

# DAVID: Database for Annotation, Visualization, and Int

Genome Biology

4, 1

DOI: 10.1186/gb-2003-4-5-p3

Citation Report

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | The NIA cDNA Project in mouse stem cells and early embryos. <i>Comptes Rendus - Biologies</i> , 2003, 326, 931-940.   | 0.2  | 12        |
| 2  | POCUS: mining genomic sequence annotation to predict disease genes. <i>Genome Biology</i> , 2003, 4, R75.   | 9.6  | 199       |
| 3  | Identifying biological themes within lists of genes with EASE. <i>Genome Biology</i> , 2003, 4, R70.  | 8.8  | 1,664     |
| 4  | GeneAnnot: Interfacing GeneCards with high-throughput gene expression compendia. <i>Briefings in Bioinformatics</i> , 2003, 4, 349-360.   | 6.5  | 17        |
| 5  | Inhibition of Heme Biosynthesis Prevents Transcription of Iron Uptake Genes in Yeast. <i>Journal of Biological Chemistry</i> , 2003, 278, 45499-45506.  | 3.4  | 77        |
| 6  | Annotation and cross-indexing of array elements on multiple platforms.. <i>Environmental Health Perspectives</i> , 2004, 112, 506-510.  | 6.0  | 19        |
| 7  | A Serial Analysis of Gene Expression (SAGE) Database Analysis of Chemosensitivity. <i>Cancer Research</i> , 2004, 64, 2805-2816.  | 0.9  | 108       |
| 8  | Gender-Specific Gene Expression in Post-Mortem Human Brain: Localization to Sex Chromosomes. <i>Neuropsychopharmacology</i> , 2004, 29, 373-384.  | 5.4  | 206       |
| 9  | GFINDER: Genome Function INtegrated Discoverer through dynamic annotation, statistical analysis, and mining. <i>Nucleic Acids Research</i> , 2004, 32, W293-W300.   | 14.5 | 72        |
| 10 | Expression profiling of the developing and mature Nrl $\alpha/\beta$ mouse retina: identification of retinal disease candidates and transcriptional regulatory targets of Nrl. <i>Human Molecular Genetics</i> , 2004, 13, 1487-1503. | 2.9  | 157       |
| 11 | Gostat: find statistically overrepresented Gene Ontologies within a group of genes. <i>Bioinformatics</i> , 2004, 20, 1464-1465.  | 4.1  | 1,125     |
| 12 | <i>Saccharomyces cerevisiae</i> Engineered for Xylose Metabolism Exhibits a Respiratory Response. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6816-6825.  | 3.1  | 146       |
| 13 | From Mice to Humans. <i>Cancer Research</i> , 2004, 64, 7748-7755.  | 0.9  | 77        |
| 14 | Gene Expression Profiling of Host Response in Models of Acute HIV Infection. <i>Journal of Immunology</i> , 2004, 173, 6858-6863.   | 0.8  | 97        |
| 15 | ArrayXPath: mapping and visualizing microarray gene-expression data with integrated biological pathway resources using Scalable Vector Graphics. <i>Nucleic Acids Research</i> , 2004, 32, W460-W464.                                 | 14.5 | 57        |
| 16 | The Yeast Mitochondrial Proteome, a Study of Fermentative and Respiratory Growth. <i>Journal of Biological Chemistry</i> , 2004, 279, 3956-3979.  | 3.4  | 149       |
| 17 | Onto-Tools: an ensemble of web-accessible, ontology-based tools for the functional design and interpretation of high-throughput gene expression experiments. <i>Nucleic Acids Research</i> , 2004, 32, W449-W456.                     | 14.5 | 139       |
| 18 | Toward a Definition of Self: Proteomic Evaluation of the Class I Peptide Repertoire. <i>Journal of Immunology</i> , 2004, 172, 2944-2952.   | 0.8  | 104       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Gene and Protein Expression Changes in Human Trabecular Meshwork Cells Treated with Transforming Growth Factor- $\alpha$ . Investigative Ophthalmology and Visual Science, 2004, 45, 4023-4034.   | 3.3 | 147       |
| 20 | Na <sup>+</sup> /H <sup>+</sup> exchanger 1 deficiency alters gene expression in mouse brain. Physiological Genomics, 2004, 18, 331-339.  | 2.3 | 24        |
| 21 | Neuroendocrine Transcriptome in Genetic Hypertension. Hypertension, 2004, 43, 1301-1311.  | 2.7 | 37        |
| 22 | Lineage-Specific Gene Duplication and Loss in Human and Great Ape Evolution. PLoS Biology, 2004, 2, e207.   | 5.6 | 263       |
| 23 | Mutation of GATA3 in human breast tumors. Oncogene, 2004, 23, 7669-7678.  | 5.9 | 250       |
| 24 | Bioinformatics tools to understand human diseases. Surgery, 2004, 135, 579-585.   | 1.9 | 5         |
| 25 | Functional genomics of UV radiation responses in human cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 549, 65-78.  | 1.0 | 51        |
| 26 | Gene expression profiling of adipose tissue. Nutrition, 2004, 20, 115-120.  | 2.4 | 42        |
| 27 | Handling multiple testing while interpreting microarrays with the Gene Ontology Database. BMC Bioinformatics, 2004, 5, 124.   | 2.6 | 28        |
| 28 | Gene expression profiling of individual cases reveals consistent transcriptional changes in alcoholic human brain. Journal of Neurochemistry, 2004, 90, 1050-1058.  | 3.9 | 120       |
| 29 | Applications of Machine Learning and High-Dimensional Visualization in Cancer Detection, Diagnosis, and Management. Annals of the New York Academy of Sciences, 2004, 1020, 239-262.  | 3.8 | 103       |
| 30 | Gene expression profiling of parkinsonian substantia nigra pars compacta; alterations in ubiquitin-proteasome, heat shock protein, iron and oxidative stress regulated proteins, cell adhesion/cellular matrix and vesicle trafficking genes. Journal of Neural Transmission, 2004, 111, 1543-1573. | 2.8 | 326       |
| 31 | Class Discovery Analysis of the Lung Cancer Gene Expression Data. DNA and Cell Biology, 2004, 23, 715-721.  | 1.9 | 6         |
| 32 | Profiling of microdissected gastric epithelial cells reveals a cell type-specific response to Helicobacter pylori infection. Gastroenterology, 2004, 127, 1446-1462.  | 1.3 | 55        |
| 33 | Consensus clustering and functional interpretation of gene-expression data. Genome Biology, 2004, 5, R94.   | 9.6 | 122       |
| 34 | A survey of ovary-, testis-, and soma-biased gene expression in Drosophila melanogaster adults. Genome Biology, 2004, 5, R40.   | 9.6 | 273       |
| 35 | Gene Expression in Prostate Cancer Cells Treated With the Dual 5 Alpha-Reductase Inhibitor Dutasteride. Journal of Andrology, 2004, 25, 944-953.  | 2.0 | 35        |
| 37 | Tissue-specific transcriptome responses in rats with early streptozotocin-induced diabetes. Physiological Genomics, 2005, 21, 222-229.  | 2.3 | 55        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 38 | "Promoter Array" Studies Identify Cohorts of Genes Directly Regulated by Methylation, Copy Number Change, or Transcription Factor Binding in Human Cancer Cells. <i>Annals of the New York Academy of Sciences</i> , 2005, 1058, 162-185. | 3.8  | 20        |
| 39 | Issues for Consideration in the Analysis of Microarray Data in Behavioural Studies. <i>Addiction Biology</i> , 2005, 10, 15-21.   | 2.6  | 5         |
| 40 | ALCOHOL AND GENE EXPRESSION IN THE CENTRAL NERVOUS SYSTEM. <i>Alcohol and Alcoholism</i> , 2005, 40, 63-75.   | 1.6  | 36        |
| 41 | Transcriptional analysis of the molecular basis of human kidney aging using cDNA microarray profiling. <i>Kidney International</i> , 2005, 68, 2667-2679.   | 5.2  | 88        |
| 42 | Gene expression profile identifies a rare epithelioid variant case of pleomorphic liposarcoma carrying FUS-CHOP transcript. <i>Histopathology</i> , 2005, 46, 334-341.  | 2.9  | 21        |
| 43 | Target RNA motif and target mRNAs of the Quaking STAR protein. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 691-698.  | 8.2  | 240       |
| 44 | Data integration: challenges for drug discovery. <i>Nature Reviews Drug Discovery</i> , 2005, 4, 45-58.   | 46.4 | 161       |
| 45 | Identification of a proliferation gene cluster associated with HPV E6/E7 expression level and viral DNA load in invasive cervical carcinoma. <i>Oncogene</i> , 2005, 24, 7094-7104.   | 5.9  | 122       |
| 46 | Profiling estrogen-regulated gene expression changes in normal and malignant human ovarian surface epithelial cells. <i>Oncogene</i> , 2005, 24, 8128-8143.   | 5.9  | 33        |
| 47 | Patient-based cross-platform comparison of oligonucleotide microarray expression profiles. <i>Laboratory Investigation</i> , 2005, 85, 1024-1039.   | 3.7  | 56        |
| 48 | Bioinformatic methods for integrating whole-genome expression results into cellular networks. <i>Drug Discovery Today</i> , 2005, 10, 727-734.  | 6.4  | 42        |
| 49 | Searching for biomarkers of developmental toxicity with microarrays: normal eye morphogenesis in rodent embryos. <i>Toxicology and Applied Pharmacology</i> , 2005, 206, 219-228.   | 2.8  | 15        |
| 50 | Multievidence microarray mining. <i>Trends in Genetics</i> , 2005, 21, 553-558.   | 6.7  | 33        |
| 51 | Comparison of supervised clustering methods to discriminate genotoxic from non-genotoxic carcinogens by gene expression profiling. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 575, 17-33.     | 1.0  | 64        |
| 52 | A database for tracking toxicogenomic samples and procedures. <i>Reproductive Toxicology</i> , 2005, 19, 411-419.   | 2.9  | 17        |
| 53 | Computational systems analysis of developmental toxicity: design, development and implementation of a Birth Defects Systems Manager (BDSM). <i>Reproductive Toxicology</i> , 2005, 19, 421-439.   | 2.9  | 25        |
| 54 | PAGE: parametric analysis of gene set enrichment. <i>BMC Bioinformatics</i> , 2005, 6, 144.   | 2.6  | 649       |
| 55 | FACT--a framework for the functional interpretation of high-throughput experiments. <i>BMC Bioinformatics</i> , 2005, 6, 161.   | 2.6  | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 56 | Storing, linking, and mining microarray databases using SRS. BMC Bioinformatics, 2005, 6, 192.   | 2.6 | 12        |
| 57 | A TNF-induced gene expression program under oscillatory NF- $\kappa$ B control. BMC Genomics, 2005, 6, 137.  | 2.8 | 159       |
| 58 | cGMP-independent nitric oxide signaling and regulation of the cell cycle. BMC Genomics, 2005, 6, 151.  | 2.8 | 45        |
| 59 | Gene expression signature of estrogen receptor $\pm$ status in breast cancer. BMC Genomics, 2005, 6, 37.   | 2.8 | 126       |
| 60 | PathwayVoyager: pathway mapping using the Kyoto Encyclopedia of Genes and Genomes (KEGG) database. BMC Genomics, 2005, 6, 60.  | 2.8 | 286       |
| 61 | Gene expression profile of cervical tissue compared to exfoliated cells: Impact on biomarker discovery. BMC Genomics, 2005, 6, 64.                                   | 2.8 | 18        |
| 62 | Laboratory variability does not preclude identification of biological functions impacted by hydroxyurea. Environmental and Molecular Mutagenesis, 2005, 46, 221-235. | 2.2 | 10        |
| 63 | Identification and validation of novelERBB2(HER2,NEU) targets including genes involved in angiogenesis. International Journal of Cancer, 2005, 114, 590-597.         | 5.1 | 53        |
| 64 | Differential gene expression in epidermis of mice sensitive and resistant to phorbol ester skin tumor promotion. Molecular Carcinogenesis, 2005, 44, 122-136.        | 2.7 | 29        |
| 65 | Large-scale identification of proteins expressed in mouse embryonic stem cells. Proteomics, 2005, 5, 1346-1361.  | 2.2 | 89        |
| 66 | Wound Site Neutrophil Transcriptome in Response to Psychological Stress in Young Men. Gene Expression, 2005, 12, 273-287.  | 1.2 | 30        |
| 68 | ADAPT: a database of affymetrix probesets and transcripts. Bioinformatics, 2005, 21, 2552-2553.  | 4.1 | 31        |
| 69 | Effects of ADMA upon Gene Expression: An Insight into the Pathophysiological Significance of Raised Plasma ADMA. PLoS Medicine, 2005, 2, e264.                       | 8.4 | 52        |
| 70 | Effectors of mammalian telomere dysfunction: a comparative transcriptome analysis using mouse models. Carcinogenesis, 2005, 26, 1613-1626.                           | 2.8 | 13        |
| 71 | Molecular Dissection of Mesenchymalâ€“Epithelial Interactions in the Hair Follicle. PLoS Biology, 2005, 3, e331.   | 5.6 | 405       |
| 72 | Aging-associated changes in cardiac gene expression. Cardiovascular Research, 2005, 66, 194-204.   | 3.8 | 37        |
| 73 | GOChase: correcting errors from Gene Ontology-based annotations for gene products. Bioinformatics, 2005, 21, 829-831.  | 4.1 | 16        |
| 74 | Novel Regulatory Function for the CCAAT-Binding Factor in Candida albicans. Eukaryotic Cell, 2005, 4, 1662-1676.   | 3.4 | 31        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 75 | Genetic and genomic studies of Drosophila parkin mutants implicate oxidative stress and innate immune responses in pathogenesis. Human Molecular Genetics, 2005, 14, 799-811.   | 2.9  | 178       |
| 76 | Expression Profiling of Murine Double-Negative Regulatory T Cells Suggest Mechanisms for Prolonged Cardiac Allograft Survival. Journal of Immunology, 2005, 174, 4535-4544.   | 0.8  | 32        |
| 77 | Assembly of the Hap2p/Hap3p/Hap4p/Hap5p-DNA Complex in Saccharomyces cerevisiae. Eukaryotic Cell, 2005, 4, 1829-1839.   | 3.4  | 74        |
| 78 | Disruption of Cooperation Between Ras and MycN in Human Neuroblastoma Cells Promotes Growth Arrest. Clinical Cancer Research, 2005, 11, 4321-4330.  | 7.0  | 61        |
| 79 | Identification of Transcriptional Networks during Liver Regeneration. Journal of Biological Chemistry, 2005, 280, 3715-3722.  | 3.4  | 107       |
| 80 | Candidate Gene Discovery in Cardiovascular Disease. Circulation Research, 2005, 96, 605-606.  | 4.5  | 5         |
| 81 | Gene Expression Profiling Following In Utero Exposure to Phthalate Esters Reveals New Gene Targets in the Etiology of Testicular Dysgenesis1. Biology of Reproduction, 2005, 73, 180-192.   | 2.7  | 190       |
| 82 | Recent additions and improvements to the Onto-Tools. Nucleic Acids Research, 2005, 33, W762-W765.   | 14.5 | 106       |
| 83 | Whipple Disease: Intestinal Infiltrating Cells Exhibit a Transcriptional Pattern of M2/Alternatively Activated Macrophages. Journal of Infectious Diseases, 2005, 192, 1642-1646.   | 4.0  | 77        |
| 84 | Human Genome Screen to Identify the Genetic Basis of the Anti-inflammatory Effects of Boswellia in Microvascular Endothelial Cells. DNA and Cell Biology, 2005, 24, 244-255.  | 1.9  | 72        |
| 85 | Gene Expression Profiling Reveals Multiple Protective Influences of the Peptide $\alpha$ -Melanocyte-Stimulating Hormone in Experimental Heart Transplantation. Journal of Immunology, 2005, 175, 3391-3401.  | 0.8  | 23        |
| 86 | PBK/TOPK, a Proliferating Neural Progenitor-Specific Mitogen-Activated Protein Kinase Kinase. Journal of Neuroscience, 2005, 25, 10773-10785.   | 3.6  | 90        |
| 87 | Global gene expression profiles reveal significant nuclear reprogramming by the blastocyst stage after cloning. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17582-17587.                                  | 7.1  | 184       |
| 88 | Improvement of Galactose Uptake in Saccharomyces cerevisiae through Overexpression of Phosphoglucosyltransferase: Example of Transcript Analysis as a Tool in Inverse Metabolic Engineering. Applied and Environmental Microbiology, 2005, 71, 6465-6472. | 3.1  | 116       |
| 89 | The promoters of human cell cycle genes integrate signals from two tumor suppressive pathways during cellular transformation. Molecular Systems Biology, 2005, 1, 2005.0022.  | 7.2  | 64        |
| 90 | Inactivation of Myc in Murine Two-Hit B lymphomas Causes Dormancy with Elevated Levels of Interleukin 10 Receptor and CD20: Implications for Adjuvant Therapies. Cancer Research, 2005, 65, 5454-5461.  | 0.9  | 29        |
| 91 | OntologyTraverser: an R package for GO analysis. Bioinformatics, 2005, 21, 275-276.   | 4.1  | 42        |
| 92 | A Gene Expression Signature for Relapse of Primary Wilms Tumors. Cancer Research, 2005, 65, 2592-2601.  | 0.9  | 56        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 93  | Gene expression in Huntington's disease skeletal muscle: a potential biomarker. Human Molecular Genetics, 2005, 14, 1863-1876.   | 2.9  | 150       |
| 94  | Transcriptional Profiling Reveals Complex Regulation of the Monocyte IL-1 $\beta$ System by IL-13. Journal of Immunology, 2005, 174, 834-845.  | 0.8  | 132       |
| 95  | ArrayXPath II: mapping and visualizing microarray gene-expression data with biomedical ontologies and integrated biological pathway resources using Scalable Vector Graphics. Nucleic Acids Research, 2005, 33, W621-W626. | 14.5 | 52        |
| 96  | Differential Gene Expression in Human Peripheral Blood Mononuclear Cells Induced by Cigarette Smoke and Its Constituents. Toxicological Sciences, 2005, 86, 200-210.   | 3.1  | 79        |
| 97  | Gene expression profile in the muscles of patients with inflammatory myopathies: effect of therapy with IVIg and biological validation of clinically relevant genes. Brain, 2005, 128, 1887-1896.                          | 7.6  | 144       |
| 98  | GFINDER: genetic disease and phenotype location statistical analysis and mining of dynamically annotated gene lists. Nucleic Acids Research, 2005, 33, W717-W723.  | 14.5 | 61        |
| 99  | RACE: Remote Analysis Computation for gene Expression data. Nucleic Acids Research, 2005, 33, W638-W643.   | 14.5 | 53        |
| 100 | Isolation of mRNA from specific tissues of Drosophila by mRNA tagging. Nucleic Acids Research, 2005, 33, e148-e148.  | 14.5 | 71        |
| 101 | Gene Expression Pattern in Spontaneously Hypertensive Rats Exposed to Urban Particulate Matter (EHC-93). Inhalation Toxicology, 2005, 17, 53-65.   | 1.6  | 35        |
| 102 | Bioinformatic Analysis of Circadian Gene Oscillation in Mouse Aorta. Circulation, 2005, 112, 2716-2724.  | 1.6  | 141       |
| 103 | Autophagy promotes MHC class II presentation of peptides from intracellular source proteins. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7922-7927.                        | 7.1  | 573       |
| 104 | Computational prediction of human drug metabolism. Expert Opinion on Drug Metabolism and Toxicology, 2005, 1, 303-324.   | 3.3  | 78        |
| 105 | WebGestalt: an integrated system for exploring gene sets in various biological contexts. Nucleic Acids Research, 2005, 33, W741-W748.  | 14.5 | 1,630     |
| 106 | A microarray study of post-mortem mRNA degradation in mouse brain tissue. Molecular Brain Research, 2005, 138, 164-177.  | 2.3  | 95        |
| 107 | Gene profiling in muscle of severely burned children: Age- and sex-dependent changes <sup>1</sup> . Journal of Surgical Research, 2005, 123, 144-152.  | 1.6  | 6         |
| 108 | Transcriptional changes during neuronal death and replacement in the olfactory epithelium. Molecular and Cellular Neurosciences, 2005, 30, 90-107.   | 2.2  | 49        |
| 109 | List of lists-annotated (LOLA): A database for annotation and comparison of published microarray gene lists. Gene, 2005, 360, 78-82.   | 2.2  | 54        |
| 110 | Individual histone deacetylases in Drosophila modulate transcription of distinct genes. Genomics, 2005, 86, 606-617.   | 2.9  | 67        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 111 | Molecular dynamics of the compensatory response to myocardial infarct. Journal of Molecular and Cellular Cardiology, 2005, 38, 103-117.  | 1.9 | 44        |
| 112 | Genomic profiling of acquired resistance to apoptosis in cells derived from human atherosclerotic lesions: Potential role of STATs, cyclinD1, BAD, and Bcl-X. Journal of Molecular and Cellular Cardiology, 2005, 39, 453-465. | 1.9 | 28        |
| 113 | Carotid atherosclerotic plaques from symptomatic stroke patients share the molecular fingerprints to develop in a neoplastic fashion: A microarray analysis study. Neuroscience, 2005, 131, 359-374.                           | 2.3 | 38        |
| 114 | CD133 <sup>+</sup> Positive Hematopoietic Stem Cell $\alpha$ Stemness $\alpha$ Genes Contain Many Genes Mutated or Abnormally Expressed in Leukemia. Stem Cells, 2005, 23, 1142-1153.  | 3.2 | 73        |
| 115 | A novel method for generation of signature networks as biomarkers from complex high throughput data. Toxicology Letters, 2005, 158, 20-29.   | 0.8 | 129       |
| 116 | Random Walk Models for Bayesian Clustering of Gene Expression Profiles. Applied Bioinformatics, 2005, 4, 263-276.  | 1.6 | 14        |
| 117 | BioCloneDB. Applied Bioinformatics, 2005, 4, 277-280.  | 1.6 | 2         |
| 118 | Genomic analysis of metabolic pathway gene expression in mice. Genome Biology, 2005, 6, R59.   | 9.6 | 70        |
| 119 | Dissection of a DNA-damage-induced transcriptional network using a combination of microarrays, RNA interference and computational promoter analysis. Genome Biology, 2005, 6, R43.   | 9.6 | 71        |
| 120 | Promoter features related to tissue specificity as measured by Shannon entropy. Genome Biology, 2005, 6, R33.  | 8.8 | 377       |
| 121 | Breast cancer prognosis by combinatorial analysis of gene expression data. Breast Cancer Research, 2006, 8, R41.   | 5.0 | 53        |
| 122 | Genome-wide identification of functionally distinct subsets of cellular mRNAs associated with two nucleocytoplasmic-shuttling mammalian splicing factors. Genome Biology, 2006, 7, R113.                                       | 9.6 | 68        |
| 123 | Shuffling of cis-regulatory elements is a pervasive feature of the vertebrate lineage. Genome Biology, 2006, 7, R56.   | 9.6 | 41        |
| 124 | PI3K signaling and miRNA expression during the response of quiescent human fibroblasts to distinct proliferative stimuli. Genome Biology, 2006, 7, R42.  | 9.6 | 54        |
| 125 | Deciphering cellular states of innate tumor drug responses. Genome Biology, 2006, 7, R19.  | 9.6 | 110       |
| 126 | Integration and mining of malaria molecular, functional and pharmacological data: how far are we from a chemogenomic knowledge space?. Malaria Journal, 2006, 5, 110.  | 2.3 | 18        |
| 127 | Cellular, Molecular Consequences of Peroxisome Proliferator- Activated Receptor- $\gamma$ Activation in Ovarian Cancer Cells. Neoplasia, 2006, 8, 851-IN12.  | 5.3 | 48        |
| 128 | Methamphetamine Modulates Gene Expression Patterns in Monocyte Derived Mature Dendritic Cells. Molecular Diagnosis and Therapy, 2006, 10, 257-269.   | 3.8 | 45        |



| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 129 | Gene Lethality Detection and Characterization via Topological Analysis of Regulatory Networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 2438-2443.   | 0.1  | 3         |
| 130 | Meta-Analysis and Meta-Review of Thyroid Cancer Gene Expression Profiling Studies Identifies Important Diagnostic Biomarkers. Journal of Clinical Oncology, 2006, 24, 5043-5051.  | 1.6  | 279       |
| 131 | A Genomic Approach to Identify Regulatory Nodes in the Transcriptional Network of Systemic Acquired Resistance in Plants. PLoS Pathogens, 2006, 2, e123.  | 4.7  | 651       |
| 132 | Transcriptome changes in a colon adenocarcinoma cell line in response to photochemical treatment as used in photochemical internalisation (PCI). FEBS Letters, 2006, 580, 5739-5746.  | 2.8  | 15        |
| 133 | Hepatic Gene Expression Response to Acute Indomethacin Exposure. Molecular Diagnosis and Therapy, 2006, 10, 187-196.  | 3.8  | 6         |
| 134 | Transcriptional Profiling of the Human Monocyte-to-Macrophage Differentiation and Polarization: New Molecules and Patterns of Gene Expression. Journal of Immunology, 2006, 177, 7303-7311.   | 0.8  | 2,062     |
| 135 | Involvement of HTLV-I Tax and CREB in aneuploidy: a bioinformatics approach. Retrovirology, 2006, 3, 43.  | 2.0  | 14        |
| 136 | Genome Wide Gene Expression Studies in Mood Disorders. OMICS A Journal of Integrative Biology, 2006, 10, 444-454.   | 2.0  | 53        |
| 137 | Quantitative relationship of dioxin-responsive gene expression to dioxin response element in Hep3B and HepG2 human hepatocarcinoma cell lines. Toxicology Letters, 2006, 165, 174-181.  | 0.8  | 18        |
| 138 | Global Identification of O-GlcNAc-Modified Proteins. Analytical Chemistry, 2006, 78, 452-458.   | 6.5  | 153       |
| 139 | Integrated analysis of regulatory and metabolic networks reveals novel regulatory mechanisms in Saccharomyces cerevisiae. Genome Research, 2006, 16, 627-635.   | 5.5  | 202       |
| 140 | Data merging for integrated microarray and proteomic analysis. Briefings in Functional Genomics & Proteomics, 2006, 5, 261-272.   | 3.8  | 95        |
| 141 | BMI1 is a target gene of E2F-1 and is strongly expressed in primary neuroblastomas. Nucleic Acids Research, 2006, 34, 1745-1754.  | 14.5 | 127       |
| 142 | Sepsis Plasma Protein Profiling with Immunodepletion, Three-Dimensional Liquid Chromatography Tandem Mass Spectrometry, and Spectrum Counting. Journal of Proteome Research, 2006, 5, 3154-3160.  | 3.7  | 58        |
| 143 | PIGOK:Â Linking Protein Identity to Gene Ontology and Function. Journal of Proteome Research, 2006, 5, 3429-3432.   | 3.7  | 10        |
| 144 | The search for factors in human feeders that support the derivation and propagation of human embryonic stem cells: preliminary studies using transcriptome profiling by serial analysis of gene expression. Fertility and Sterility, 2006, 85, 1843-1846. | 1.0  | 27        |
| 145 | Secretome analysis of microarray data reveals extracellular events associated with proliferative potential in a cell line model of breast disease. Cancer Letters, 2006, 241, 49-58.  | 7.2  | 12        |
| 146 | Intrahepatic gene expression in human alcoholic hepatitis. Journal of Hepatology, 2006, 45, 306-320.  | 3.7  | 65        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 147 | The Grainyhead-like epithelial transactivator Get-1/Grhl3 regulates epidermal terminal differentiation and interacts functionally with LMO4. <i>Developmental Biology</i> , 2006, 299, 122-136. | 2.0  | 153       |
| 148 | Genomic dissection of mucosal immunobiology in the porcine small intestine. <i>Physiological Genomics</i> , 2006, 28, 5-14.   | 2.3  | 16        |
| 149 | Bioinformatics Resources for Cancer Research with an Emphasis on Gene Function and Structure Prediction Tools. <i>Cancer Informatics</i> , 2006, 2, 117693510600200.                            | 1.9  | 8         |
| 150 | Genomic analysis of the impact of fescue toxicosis on hepatic function1. <i>Journal of Animal Science</i> , 2006, 84, 1279-1294.  | 0.5  | 32        |
| 151 | Analysing Microarray Data using the Multi-functional Immune Ontologiser. <i>Journal of Integrative Bioinformatics</i> , 2006, 3, 14-36.   | 1.5  | 2         |
| 152 | Effect of fescue toxicosis on hepatic gene expression in mice1. <i>Journal of Animal Science</i> , 2006, 84, 1600-1612.   | 0.5  | 14        |
| 153 | Analysis of Microarray Gene Expression Data. <i>Current Bioinformatics</i> , 2006, 1, 37-53.  | 1.5  | 35        |
| 154 | Alteration in the Transcriptional Profile of Livers from Brain-dead Organ Donors. <i>Transplantation</i> , 2006, 82, 69-79.   | 1.0  | 20        |
| 155 | Multiple mechanisms limit the duration of wakefulness in <i>Drosophila</i> brain. <i>Physiological Genomics</i> , 2006, 27, 337-350.  | 2.3  | 97        |
| 156 | Transcriptome analysis of the ischemia-reperfused remodeling myocardium: temporal changes in inflammation and extracellular matrix. <i>Physiological Genomics</i> , 2006, 25, 364-374.          | 2.3  | 86        |
| 157 | Preliminary evidence of mitochondrial dysfunction associated with post-infective fatigue after acute infection with Epstein Barr Virus. <i>BMC Infectious Diseases</i> , 2006, 6, 15.           | 2.9  | 58        |
| 158 | Gene expression profiles in developing nephrons using Lim1 metanephric mesenchyme-specific conditional mutant mice. <i>BMC Nephrology</i> , 2006, 7, 1.   | 1.8  | 23        |
| 159 | Cytogenetic and expression profiles associated with transformation to androgen-resistant prostate cancer. <i>Prostate</i> , 2006, 66, 157-172.  | 2.3  | 18        |
| 160 | Optimized proteomic analysis of a mouse model of cerebellar dysfunction using amine-specific isobaric tags. <i>Proteomics</i> , 2006, 6, 4321-4334.   | 2.2  | 77        |
| 161 | Chipping into the human genome: novel insights for transplantation. <i>Immunological Reviews</i> , 2006, 210, 138-155.  | 6.0  | 12        |
| 163 | Subcellular Localization of Mammalian Type II Membrane Proteins. <i>Traffic</i> , 2006, 7, 613-625.   | 2.7  | 19        |
| 164 | FACS-array profiling of striatal projection neuron subtypes in juvenile and adult mouse brains. <i>Nature Neuroscience</i> , 2006, 9, 443-452.  | 14.8 | 396       |
| 165 | Deregulated stress system in non-obese diabetic lymphocyte. <i>Genes and Immunity</i> , 2006, 7, 352-358.   | 4.1  | 1         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 166 | Gene expression profiles of AML derived stem cells; similarity to hematopoietic stem cells. <i>Leukemia</i> , 2006, 20, 2147-2154.   | 7.2 | 153       |
| 167 | Mitochondrial-related gene expression changes are sensitive to agonal-pH state: implications for brain disorders. <i>Molecular Psychiatry</i> , 2006, 11, 663-679.   | 7.9 | 162       |
| 168 | The UVB-induced gene expression profile of human epidermis in vivo is different from that of cultured keratinocytes. <i>Oncogene</i> , 2006, 25, 2601-2614.  | 5.9 | 80        |
| 169 | ST7-mediated suppression of tumorigenicity of prostate cancer cells is characterized by remodeling of the extracellular matrix. <i>Oncogene</i> , 2006, 25, 3924-3933.                                       | 5.9 | 22        |
| 170 | Reference profiling of the genomic response induced by an antimicrotubule agent, TZT-1027 (Soblidotin), in vitro. <i>Pharmacogenomics Journal</i> , 2006, 6, 388-396.  | 2.0 | 8         |
| 171 | Strategies for comparing gene expression profiles from different microarray platforms: Application to a case-control experiment. <i>Analytical Biochemistry</i> , 2006, 353, 43-56.                          | 2.4 | 40        |
| 172 | Algorithms for network analysis in systems-ADME/Tox using the MetaCore and MetaDrug platforms. <i>Xenobiotica</i> , 2006, 36, 877-901.   | 1.1 | 125       |
| 173 | Gene Expression Profiles in Murine Hematopoietic Stem Cells Revisited: Analysis of cDNA Libraries Reveals High Levels of Translational and Metabolic Activities. <i>Stem Cells</i> , 2006, 24, 1719-1727.    | 3.2 | 11        |
| 174 | Gene Expression Alterations in Immune System Pathways following Exposure to Immunosuppressive Chemicals. <i>Annals of the New York Academy of Sciences</i> , 2006, 1076, 718-727.                            | 3.8 | 13        |
| 175 | Gene expression profiles of vitrified in vivo derived 8-cell stage mouse embryos detected by high density oligonucleotide microarrays. <i>Molecular Reproduction and Development</i> , 2006, 73, 1380-1392.  | 2.0 | 45        |
| 176 | Microarray Analysis of the Effects of a $\beta$ -protein Kinase C Null Mutation on Gene Expression in Striatum: A Role for Transthyretin in Mutant Phenotypes. <i>Behavior Genetics</i> , 2006, 36, 869-881. | 2.1 | 9         |
| 177 | Evaluating HapMap SNP data transferability in a large-scale genotyping project involving 175 cancer-associated genes. <i>Human Genetics</i> , 2006, 118, 669-679.  | 3.8 | 92        |
| 178 | Associating phenotypes with molecular events: recent statistical advances and challenges underpinning microarray experiments. <i>Functional and Integrative Genomics</i> , 2006, 6, 1-13.                    | 3.5 | 29        |
| 179 | Gene expression profiling in <i>Salmonella Choleraesuis</i> -infected porcine lung using a long oligonucleotide microarray. <i>Mammalian Genome</i> , 2006, 17, 777-789.                                     | 2.2 | 41        |
| 180 | A multiplexed proteomics approach to differentiate neurite outgrowth patterns. <i>Journal of Neuroscience Methods</i> , 2006, 158, 22-29.  | 2.5 | 18        |
| 181 | Splenic CD4+ T Cells Have a Distinct Transcriptional Response Six Hours after the Onset of Sepsis. <i>Journal of the American College of Surgeons</i> , 2006, 203, 375.e1-375.e39.                           | 0.5 | 21        |
| 182 | U18666A-mediated apoptosis in cultured murine cortical neurons: Role of caspases, calpains and kinases. <i>Cellular Signalling</i> , 2006, 18, 1572-1583.  | 3.6 | 20        |
| 183 | Partially Degraded RNA from Bladder Washing is a Suitable Sample for Studying Gene Expression Profiles in Bladder Cancer. <i>European Urology</i> , 2006, 50, 1347-1356.                                     | 1.9 | 19        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 184 | Chondrocyte genomics: implications for disease modification in osteoarthritis. Drug Discovery Today, 2006, 11, 825-832.  | 6.4 | 10        |
| 185 | Utilization of two sample t-test statistics from redundant probe sets to evaluate different probe set algorithms in GeneChip studies. BMC Bioinformatics, 2006, 7, 12.                                     | 2.6 | 16        |
| 186 | K-SPMM: a database of murine spermatogenic promoters modules & motifs. BMC Bioinformatics, 2006, 7, 238.   | 2.6 | 6         |
| 187 | Integrated functional visualization of eukaryotic genomes. BMC Bioinformatics, 2006, 7, 348.   | 2.6 | 3         |
| 188 | CROPPER: a metagene creator resource for cross-platform and cross-species compendium studies. BMC Bioinformatics, 2006, 7, 418.  | 2.6 | 3         |
| 189 | Analysis with respect to instrumental variables for the exploration of microarray data structures. BMC Bioinformatics, 2006, 7, 422.   | 2.6 | 55        |
| 190 | Mining expressed sequence tags identifies cancer markers of clinical interest. BMC Bioinformatics, 2006, 7, 481.   | 2.6 | 23        |
| 191 | Transcriptomic response to differentiation induction. BMC Bioinformatics, 2006, 7, 81.   | 2.6 | 1         |
| 192 | Gene expression alterations in brains of mice infected with three strains of scrapie. BMC Genomics, 2006, 7, 114.  | 2.8 | 80        |
| 193 | Alu elements contain many binding sites for transcription factors and may play a role in regulation of developmental processes. BMC Genomics, 2006, 7, 133.  | 2.8 | 193       |
| 194 | Gene expression profiling in the striatum of inbred mouse strains with distinct opioid-related phenotypes. BMC Genomics, 2006, 7, 146.   | 2.8 | 48        |
| 195 | An annotated cDNA library of juvenile Euprymna scolopes with and without colonization by the symbiont Vibrio fischeri. BMC Genomics, 2006, 7, 154.   | 2.8 | 43        |
| 196 | Defining the gene expression signature of rhabdomyosarcoma by meta-analysis. BMC Genomics, 2006, 7, 287.   | 2.8 | 37        |
| 197 | Comparison of gene coverage of mouse oligonucleotide microarray platforms. BMC Genomics, 2006, 7, 58.  | 2.8 | 24        |
| 198 | An online database for brain disease research. BMC Genomics, 2006, 7, 70.  | 2.8 | 101       |
| 199 | Incorporating genetic analyses into birth defects cluster investigations: Strategies for identifying candidate genes. Birth Defects Research Part A: Clinical and Molecular Teratology, 2006, 76, 798-810. | 1.6 | 8         |
| 200 | A pathway analysis of poly(I:C)-induced global gene expression change in human peripheral blood mononuclear cells. Physiological Genomics, 2006, 26, 125-133.  | 2.3 | 75        |
| 201 | Cross-species comparative toxicogenomics as an aid to safety assessment. Expert Opinion on Drug Metabolism and Toxicology, 2006, 2, 859-874.   | 3.3 | 16        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 202 | PAGE: phase-shifted analysis of gene expression. <i>Bioinformatics</i> , 2006, 22, 367-368.   | 4.1  | 6         |
| 203 | Identification of gene expression signatures in autoimmune disease without the influence of familial resemblance. <i>Human Molecular Genetics</i> , 2006, 15, 501-509.                              | 2.9  | 19        |
| 204 | Absolute enrichment: gene set enrichment analysis for homeostatic systems. <i>Nucleic Acids Research</i> , 2006, 34, e151-e151.   | 14.5 | 55        |
| 205 | A systematic approach to infer biological relevance and biases of gene network structures. <i>Nucleic Acids Research</i> , 2006, 34, e6-e6.   | 14.5 | 15        |
| 206 | Gene Expression Profiles Distinguish Idiopathic Pulmonary Fibrosis from Hypersensitivity Pneumonitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 173, 188-198.       | 5.6  | 431       |
| 207 | Induction of the Plasminogen Activator System by Mechanical Stimulation of Human Bronchial Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 35, 628-638. | 2.9  | 72        |
| 208 | GeneChips in Stem Cell Research. <i>Methods in Enzymology</i> , 2006, 420, 162-224.   | 1.0  | 4         |
| 209 | C/EBP $\beta$ is required for lung maturation at birth. <i>Development (Cambridge)</i> , 2006, 133, 1155-1164.  | 2.5  | 122       |
| 210 | A Genome-Wide Screen for Promoter Methylation in Lung Cancer Identifies Novel Methylation Markers for Multiple Malignancies. <i>PLoS Medicine</i> , 2006, 3, e486.                                  | 8.4  | 228       |
| 211 | Microarray data on gene modulation by HIV-1 in immune cells: 2000-2006. <i>Journal of Leukocyte Biology</i> , 2006, 80, 1031-1043.  | 3.3  | 99        |
| 212 | Integrating Genetic and Network Analysis to Characterize Genes Related to Mouse Weight. <i>PLoS Genetics</i> , 2006, 2, e130.   | 3.5  | 419       |
| 213 | A multivariate approach for integrating genome-wide expression data and biological knowledge. <i>Bioinformatics</i> , 2006, 22, 2373-2380.  | 4.1  | 122       |
| 214 | Assembly of mitochondrial cytochrome c-oxidase, a complicated and highly regulated cellular process. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C1129-C1147.              | 4.6  | 214       |
| 215 | Meta-Analysis of Differentiating Mouse Embryonic Stem Cell Gene Expression Kinetics Reveals Early Change of a Small Gene Set. <i>PLoS Computational Biology</i> , 2006, 2, e158.                    | 3.2  | 33        |
| 216 | Filaria-Induced Monocyte Dysfunction and Its Reversal following Treatment. <i>Infection and Immunity</i> , 2006, 74, 4409-4417.   | 2.2  | 55        |
| 217 | Diminished Production of Monocyte Proinflammatory Cytokines during Human Immunodeficiency Virus Viremia Is Mediated by Type I Interferons. <i>Journal of Virology</i> , 2006, 80, 11486-11497.      | 3.4  | 63        |
| 218 | Regulation of myogenic progenitor proliferation in human fetal skeletal muscle by BMP4 and its antagonist Gremlin. <i>Journal of Cell Biology</i> , 2006, 175, 99-110.                              | 5.2  | 61        |
| 219 | A computational genomics approach to identify cis-regulatory modules from chromatin immunoprecipitation microarray data--A case study using E2F1. <i>Genome Research</i> , 2006, 16, 1585-1595.     | 5.5  | 59        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 220 | Biological characterization of gene response in Rpe65 $\Delta$ mouse model of Leber's congenital amaurosis during progression of the disease. FASEB Journal, 2006, 20, 2036-2049.  | 0.5 | 46        |
| 221 | Identification of an NF- $\kappa$ B-Dependent Gene Network in Cells Infected by Mammalian Reovirus. Journal of Virology, 2006, 80, 1077-1086.  | 3.4 | 54        |
| 222 | Repression and loss of gene expression outpaces activation and gain in recently duplicated fly genes. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11637-11641.                       | 7.1 | 49        |
| 223 | Nell1-deficient mice have reduced expression of extracellular matrix proteins causing cranial and vertebral defects. Human Molecular Genetics, 2006, 15, 1329-1341.  | 2.9 | 96        |
| 224 | Gene Expression Profiling Separates Chromophobe Renal Cell Carcinoma from Oncocytoma and Identifies Vesicular Transport and Cell Junction Proteins as Differentially Expressed Genes. Clinical Cancer Research, 2006, 12, 6937-6945. | 7.0 | 79        |
| 225 | Adaptation and increased susceptibility to infection associated with constitutive expression of misfolded SP-C. Journal of Cell Biology, 2006, 172, 395-407.   | 5.2 | 111       |
| 226 | Osteopontin is a downstream effector of the PI3-kinase pathway in melanomas that is inversely correlated with functional PTEN. Carcinogenesis, 2006, 27, 1778-1786.  | 2.8 | 55        |
| 227 | A COMBINED APPROACH TO DRUG METABOLISM AND TOXICITY ASSESSMENT. Drug Metabolism and Disposition, 2006, 34, 495-503.  | 3.3 | 108       |
| 228 | Gene Expression Differences in Normal Esophageal Mucosa Associated with Regression and Progression of Mild and Moderate Squamous Dysplasia in a High-Risk Chinese Population. Cancer Research, 2006, 66, 6851-6860.                  | 0.9 | 27        |
| 229 | A central regulatory role for eosinophils and the eotaxin/CCR3 axis in chronic experimental allergic airway inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16418-16423.   | 7.1 | 188       |
| 230 | Suz12 binds to silenced regions of the genome in a cell-type-specific manner. Genome Research, 2006, 16, 890-900.  | 5.5 | 276       |
| 231 | Inhibition of Growth and Metastasis of Mouse Mammary Carcinoma by Selective Inhibitor of Transforming Growth Factor- $\beta$ Type I Receptor Kinase In vivo. Clinical Cancer Research, 2006, 12, 4315-4330.                          | 7.0 | 137       |
| 232 | Hypoxia Modifies the Transcriptome of Primary Human Monocytes: Modulation of Novel Immune-Related Genes and Identification Of CC-Chemokine Ligand 20 as a New Hypoxia-Inducible Gene. Journal of Immunology, 2006, 177, 1941-1955.   | 0.8 | 189       |
| 233 | Functional Interpretation of Microarray Experiments. OMICS A Journal of Integrative Biology, 2006, 10, 398-410.  | 2.0 | 74        |
| 234 | Integration of genomic data for pharmacology and toxicology using Internet resources. SAR and QSAR in Environmental Research, 2006, 17, 25-36.   | 2.2 | 4         |
| 235 | Application of Bioinformatics in the Design of Gene Expression Microarrays. , 2006, , .  |     | 4         |
| 236 | NOTCH1 directly regulates c-MYC and activates a feed-forward-loop transcriptional network promoting leukemic cell growth. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18261-18266.   | 7.1 | 745       |
| 237 | CLUSTERING BIOLOGICAL ANNOTATIONS AND GENE EXPRESSION DATA TO IDENTIFY PUTATIVELY CO-REGULATED BIOLOGICAL PROCESSES. Journal of Bioinformatics and Computational Biology, 2006, 04, 833-852.   | 0.8 | 21        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 238 | Stat3 Is Required for Cytoprotection of the Respiratory Epithelium during Adenoviral Infection. <i>Journal of Immunology</i> , 2006, 177, 527-537.   | 0.8  | 51        |
| 239 | Lithium Administration to Preadolescent Rats Causes Long-Lasting Increases in Anxiety-Like Behavior and Has Molecular Consequences. <i>Journal of Neuroscience</i> , 2006, 26, 6031-6039.  | 3.6  | 39        |
| 240 | Global Transcriptome Analysis of Genetically Identified Neurons in the Adult Cortex. <i>Journal of Neuroscience</i> , 2006, 26, 9956-9966.   | 3.6  | 88        |
| 241 | A Comprehensive Structure-Function Analysis of Arabidopsis SNI1 Defines Essential Regions and Transcriptional Repressor Activity. <i>Plant Cell</i> , 2006, 18, 1750-1765.   | 6.6  | 130       |
| 242 | Functional Annotation of IFN- $\gamma$ -Stimulated Gene Expression Profiles from Sensitive and Resistant Renal Cell Carcinoma Cell Lines. <i>Journal of Interferon and Cytokine Research</i> , 2006, 26, 534-547.  | 1.2  | 13        |
| 243 | A System-Based Approach to Interpret Dose- and Time-Dependent Microarray Data: Quantitative Integration of Gene Ontology Analysis for Risk Assessment. <i>Toxicological Sciences</i> , 2006, 92, 560-577.  | 3.1  | 50        |
| 244 | Transcriptional profiling of myostatin-knockout mice implicates Wnt signaling in postnatal skeletal muscle growth and hypertrophy. <i>FASEB Journal</i> , 2006, 20, 580-582.   | 0.5  | 115       |
| 245 | Histamine signaling through the H <sub>2</sub> receptor in the Peyer's patch is important for controlling <i>Yersinia enterocolitica</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9268-9273. | 7.1  | 48        |
| 246 | A molecular-properties-based approach to understanding PDZ domain proteins and PDZ ligands. <i>Genome Research</i> , 2006, 16, 1056-1072.  | 5.5  | 45        |
| 247 | [18] Interpreting Experimental Results Using Gene Ontologies. <i>Methods in Enzymology</i> , 2006, 411, 340-352.   | 1.0  | 52        |
| 248 | DAVID Bioinformatics Resources: expanded annotation database and novel algorithms to better extract biology from large gene lists. <i>Nucleic Acids Research</i> , 2007, 35, W169-W175.  | 14.5 | 1,934     |
| 249 | Changes in Gene Expression in Experimental Glaucoma and Optic Nerve Transection: The Equilibrium between Protective and Detrimental Mechanisms. , 2007, 48, 5539.  |      | 157       |
| 250 | Kidney Gene Expression Analysis in a Rat Model of Intrauterine Growth Restriction Reveals Massive Alterations of Coagulation Genes. <i>Endocrinology</i> , 2007, 148, 5549-5557.   | 2.8  | 38        |
| 251 | Functional Genomic Studies of the Intestinal Response to a Foodborne Enteropathogen in a Humanized Gnotobiotic Mouse Model. <i>Journal of Biological Chemistry</i> , 2007, 282, 15065-15072.   | 3.4  | 75        |
| 252 | Identification of Genes Selectively Regulated by IFNs in Endothelial Cells. <i>Journal of Immunology</i> , 2007, 178, 1122-1135.   | 0.8  | 152       |
| 253 | Identification of Genes Directly Regulated by the Oncogene ZNF217 Using Chromatin Immunoprecipitation (ChIP)-Chip Assays. <i>Journal of Biological Chemistry</i> , 2007, 282, 9703-9712.   | 3.4  | 71        |
| 254 | dlk1/FA1 Regulates the Function of Human Bone Marrow Mesenchymal Stem Cells by Modulating Gene Expression of Pro-inflammatory Cytokines and Immune Response-related Factors. <i>Journal of Biological Chemistry</i> , 2007, 282, 7339-7351.                        | 3.4  | 82        |
| 255 | Graph-based identification of cancer signaling pathways from published gene expression signatures using PubLiME. <i>Nucleic Acids Research</i> , 2007, 35, 2343-2355.  | 14.5 | 17        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 256 | Genome-wide analyses of human perisylvian cerebral cortical patterning. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17849-17854.            | 7.1 | 175       |
| 257 | A microarray analysis for genes regulated by interferon- $\gamma$ , in ovine luminal epithelial cells. Reproduction, 2007, 134, 123-135.  | 2.6 | 37        |
| 258 | Distinctive patterns of microRNA expression in primary muscular disorders. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17016-17021.         | 7.1 | 458       |
| 259 | Comparative analysis of gene expression between renal cortex and papilla in nedaplatin-induced nephrotoxicity in rats. Human and Experimental Toxicology, 2007, 26, 767-780.                | 2.2 | 23        |
| 260 | Annotation-based distance measures for patient subgroup discovery in clinical microarray studies. Bioinformatics, 2007, 23, 2256-2264.  | 4.1 | 12        |
| 261 | Gene expression profile in rat adrenal zona glomerulosa cells stimulated with aldosterone secretagogues. Physiological Genomics, 2007, 32, 117-127.   | 2.3 | 28        |
| 262 | Differential brain transcriptome of $\alpha 4$ nAChR subunit-deficient mice: is it the effect of the null mutation or the background strain?. Physiological Genomics, 2007, 28, 213-222.    | 2.3 | 12        |
| 263 | The (In)dependence of Alternative Splicing and Gene Duplication. PLoS Computational Biology, 2007, 3, e33.  | 3.2 | 66        |
| 264 | A genome-wide approach identifies distinct but overlapping subsets of cellular mRNAs associated with Staufen1- and Staufen2-containing ribonucleoprotein complexes. Rna, 2008, 14, 324-335. | 3.5 | 104       |
| 265 | Impact of Antiretroviral Treatment on Gene Expression in Peripheral Blood Mononuclear Cells from SIVmac251-Infected Macaques. Journal of Infectious Diseases, 2007, 196, 384-393.           | 4.0 | 3         |
| 266 | Fetal Mouse Phthalate Exposure Shows that Gonocyte Multinucleation is Not Associated with Decreased Testicular Testosterone. Toxicological Sciences, 2007, 97, 491-503.                     | 3.1 | 110       |
| 268 | Regulatory Pathway Analysis by High-Throughput In Situ Hybridization. PLoS Genetics, 2007, 3, e178.   | 3.5 | 55        |
| 269 | Exposure to Arsenic at Levels Found in U.S. Drinking Water Modifies Expression in the Mouse Lung. Toxicological Sciences, 2007, 100, 75-87.   | 3.1 | 47        |
| 270 | Genome-level expression profiles in pediatric septic shock indicate a role for altered zinc homeostasis in poor outcome. Physiological Genomics, 2007, 30, 146-155.                         | 2.3 | 221       |
| 271 | Expression changes in mouse brains following nicotine-induced seizures: the modulation of transcription factor networks. Physiological Genomics, 2007, 30, 242-252.                         | 2.3 | 10        |
| 272 | Challenges and Solutions in Proteomics. Current Genomics, 2007, 8, 21-28.   | 1.6 | 12        |
| 273 | A High-Resolution Map of Segmental DNA Copy Number Variation in the Mouse Genome. PLoS Genetics, 2007, 3, e3.   | 3.5 | 196       |
| 274 | Unbiased Gene Expression Analysis Implicates the huntingtin Polyglutamine Tract in Extra-mitochondrial Energy Metabolism. PLoS Genetics, 2007, 3, e135.                                     | 3.5 | 72        |



| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 275 | FatiGO +: a functional profiling tool for genomic data. Integration of functional annotation, regulatory motifs and interaction data with microarray experiments. <i>Nucleic Acids Research</i> , 2007, 35, W91-W96.                          | 14.5 | 248       |
| 276 | Intraovarian Activins Are Required for Female Fertility. <i>Molecular Endocrinology</i> , 2007, 21, 2458-2471.  | 3.7  | 120       |
| 277 | Genome-wide expression profiling of placentas in the p57Kip2 model of pre-eclampsia. <i>Molecular Human Reproduction</i> , 2007, 13, 251-263.   | 2.8  | 30        |
| 278 | The Early Developmental Gene Semaphorin 5c Contributes to Olfactory Behavior in Adult <i>Drosophila</i> . <i>Genetics</i> , 2007, 176, 947-956.   | 2.9  | 18        |
| 279 | Investigating the Genetic Circuitry of Mastermind in <i>Drosophila</i> , a Notch Signal Effector. <i>Genetics</i> , 2007, 177, 2493-2505.   | 2.9  | 57        |
| 280 | GO PaD: the Gene Ontology Partition Database. <i>Nucleic Acids Research</i> , 2007, 35, D322-D327.  | 14.5 | 113       |
| 281 | Differential Gene Expression of p27Kip1 and Rb Knockout Pituitary Tumors Associated with Altered Growth and Angiogenesis. <i>Cell Cycle</i> , 2007, 6, 750-757.   | 2.6  | 22        |
| 282 | Comparison of HIV-derived Lentiviral and MLV-based Gammaretroviral Vector Integration Sites in Primate Repopulating Cells. <i>Molecular Therapy</i> , 2007, 15, 1356-1365.  | 8.2  | 104       |
| 283 | Cytomegalovirus Infection of Human Syncytiotrophoblast Cells Strongly Interferes with Expression of Genes Involved in Placental Differentiation and Tissue Integrity. <i>Pediatric Research</i> , 2007, 61, 565-571.                          | 2.3  | 28        |
| 284 | HIV Protease Inhibitors Selectively Induce Gene Expression Alterations Associated with Reduced Calcium Deposition in Primary Human Osteoblasts. <i>AIDS Research and Human Retroviruses</i> , 2007, 23, 243-250.                              | 1.1  | 54        |
| 285 | Leukocyte gene expression signatures in antineutrophil cytoplasmic autoantibody and lupus glomerulonephritis. <i>Kidney International</i> , 2007, 72, 853-864.  | 5.2  | 48        |
| 286 | Positive Adaptive State: Microarray Evaluation of Gene Expression in <i>Salmonella enterica</i> Typhimurium Exposed to Nalidixic Acid. <i>Foodborne Pathogens and Disease</i> , 2007, 4, 187-200.   | 1.8  | 20        |
| 287 | Microarray Analyses of Newborn Mouse Ovaries Lacking Nobox1. <i>Biology of Reproduction</i> , 2007, 77, 312-319.  | 2.7  | 113       |
| 288 | Transcription factor modularity in a gene-centered <i>C. elegans</i> core neuronal protein-DNA interaction network. <i>Genome Research</i> , 2007, 17, 1061-1071.   | 5.5  | 87        |
| 289 | Transcriptional profiling of human monocytes reveals complex changes in the expression pattern of inflammation-related genes in response to the annexin A1-derived peptide Ac1-25. <i>Journal of Leukocyte Biology</i> , 2007, 82, 1592-1604. | 3.3  | 20        |
| 290 | A novel view of the transcriptome revealed from gene trapping in mouse embryonic stem cells. <i>Genome Research</i> , 2007, 17, 1051-1060.  | 5.5  | 13        |
| 291 | The Rat Epididymal Transcriptome: Comparison of Segmental Gene Expression in the Rat and Mouse Epididymides1. <i>Biology of Reproduction</i> , 2007, 76, 561-570.   | 2.7  | 169       |
| 292 | Reduced PDEF Expression Increases Invasion and Expression of Mesenchymal Genes in Prostate Cancer Cells. <i>Cancer Research</i> , 2007, 67, 4219-4226.  | 0.9  | 86        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 293 | Down-regulation of the dopamine receptor D2 in mice lacking ataxin 1. Human Molecular Genetics, 2007, 16, 2122-2134.  | 2.9  | 61        |
| 294 | Thiocyanate Transport in Resting and IL-4-Stimulated Human Bronchial Epithelial Cells: Role of Pendrin and Anion Channels. Journal of Immunology, 2007, 178, 5144-5153.                                       | 0.8  | 133       |
| 295 | A Method to Integrate Benchmark Dose Estimates with Genomic Data to Assess the Functional Effects of Chemical Exposure. Toxicological Sciences, 2007, 98, 240-248.  | 3.1  | 174       |
| 296 | The Proteome of the Mouse Photoreceptor Sensory Cilium Complex. Molecular and Cellular Proteomics, 2007, 6, 1299-1317.  | 3.8  | 310       |
| 297 | Conserved molecular portraits of bovine and human blastocysts as a consequence of the transition from maternal to embryonic control of gene expression. Physiological Genomics, 2007, 31, 315-327.            | 2.3  | 57        |
| 298 | Functional genomics of human pre-implantation development. Briefings in Functional Genomics & Proteomics, 2007, 6, 120-132.   | 3.8  | 17        |
| 299 | Success and failure in human spermatogenesis as revealed by teratozoospermic RNAs. Human Molecular Genetics, 2007, 16, 763-773.   | 2.9  | 223       |
| 300 | Effects of Phenylethyl Isothiocyanate on Early Molecular Events in N-Nitrosomethylbenzylamine-Induced Cytotoxicity in Rat Esophagus. Cancer Research, 2007, 67, 6484-6492.                                    | 0.9  | 13        |
| 301 | Breast Cancer Molecular Signatures as Determined by SAGE: Correlation with Lymph Node Status. Molecular Cancer Research, 2007, 5, 881-890.  | 3.4  | 99        |
| 302 | Smoking and alcoholism target genes associated with plasticity and glutamate transmission in the human ventral tegmental area. Human Molecular Genetics, 2007, 17, 38-51.                                     | 2.9  | 66        |
| 303 | AgBase: a unified resource for functional analysis in agriculture. Nucleic Acids Research, 2007, 35, D599-D603.   | 14.5 | 94        |
| 304 | Histones associated with downregulated genes are hypo-acetylated in Huntington's disease models. Human Molecular Genetics, 2007, 16, 1293-1306.   | 2.9  | 203       |
| 305 | Interferon-Mediated Immunopathological Events Are Associated with Atypical Innate and Adaptive Immune Responses in Patients with Severe Acute Respiratory Syndrome. Journal of Virology, 2007, 81, 8692-8706. | 3.4  | 353       |
| 306 | Role of Pituitary Hormones on 17 $\beta$ -Ethinylestradiol-Induced Cholestasis in Rat. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 695-705.   | 2.5  | 31        |
| 307 | Meta-analysis of gene expression data: a predictor-based approach. Bioinformatics, 2007, 23, 1599-1606.   | 4.1  | 43        |
| 308 | Application of Genomic Biomarkers to Predict Increased Lung Tumor Incidence in 2-Year Rodent Cancer Bioassays. Toxicological Sciences, 2007, 97, 55-64.   | 3.1  | 65        |
| 309 | Gene Expression Profiles Differentiate Between Sterile SIRS and Early Sepsis. Annals of Surgery, 2007, 245, 611-621.  | 4.2  | 100       |
| 310 | Proteasome-independent HLA-B27 Ligands Arise Mainly from Small Basic Proteins. Molecular and Cellular Proteomics, 2007, 6, 923-938.   | 3.8  | 25        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 311 | g:Profiler—a web-based toolset for functional profiling of gene lists from large-scale experiments. Nucleic Acids Research, 2007, 35, W193-W200.   | 14.5 | 1,203     |
| 312 | Macrophage Scavenger Receptor-A—Deficient Mice Are Resistant Against Diabetic Nephropathy Through Amelioration of Microinflammation. Diabetes, 2007, 56, 363-372.  | 0.6  | 86        |
| 313 | Identification of mRNAs that continue to associate with polysomes during hypoxia. Rna, 2007, 13, 1116-1131.  | 3.5  | 83        |
| 314 | Expression Profiling of Heat Stress Effects on Mice Fed Ergot Alkaloids. Toxicological Sciences, 2007, 95, 89-97.  | 3.1  | 18        |
| 315 | Molecular mechanisms underlying anti-inflammatory phenotype of neonatal splenic macrophages. Journal of Leukocyte Biology, 2007, 82, 403-416.  | 3.3  | 27        |
| 316 | Functional genomics studies of oocyte competence: evidence that reduced transcript abundance for follistatin is associated with poor developmental competence of bovine oocytes. Reproduction, 2007, 133, 95-106.                          | 2.6  | 108       |
| 317 | Individual Matrix Metalloproteinases Control Distinct Transcriptional Responses in Airway Epithelial Cells Infected with <i>Pseudomonas aeruginosa</i> . Infection and Immunity, 2007, 75, 5640-5650.                                      | 2.2  | 63        |
| 318 | GENE EXPRESSION PROFILING OF RAT LIVER TREATED WITH SERUM TRIGLYCERIDE-DECREASING COMPOUNDS. Journal of Toxicological Sciences, 2007, 32, 387-399.   | 1.5  | 14        |
| 319 | Genetic effects of a titanium surface on osteoblasts: a meta-analysis. Journal of Oral Science, 2007, 49, 299-309.   | 1.7  | 15        |
| 320 | Life Style-Related Diseases of the Digestive System: Gene Expression in Nonalcoholic Steatohepatitis Patients and Treatment Strategies. Journal of Pharmacological Sciences, 2007, 105, 151-156.   | 2.5  | 17        |
| 321 | Transcriptional profiling of genes that are regulated by the endoplasmic reticulum-bound transcription factor AlbZIP/CREB3L4 in prostate cells. Physiological Genomics, 2007, 31, 295-305.   | 2.3  | 37        |
| 323 | Classification of Patients. , 0, , 957-991.  |      | 2         |
| 324 | Hot spots of retroviral integration in human CD34+ hematopoietic cells. Blood, 2007, 110, 1770-1778.   | 1.4  | 248       |
| 325 | Dietary carbohydrate modification induces alterations in gene expression in abdominal subcutaneous adipose tissue in persons with the metabolic syndrome: the FUNGENUT Study. American Journal of Clinical Nutrition, 2007, 85, 1417-1427. | 4.7  | 121       |
| 326 | Inadequate protein intake affects skeletal muscle transcript profiles in older humans. American Journal of Clinical Nutrition, 2007, 85, 1344-1352.  | 4.7  | 63        |
| 327 | Coagulation and Complement Protein Differences Between Septic and Uninfected Systemic Inflammatory Response Syndrome Patients. Journal of Trauma, 2007, 62, 1082-1094.   | 2.3  | 20        |
| 328 | Effects of glucose metabolism on the regulation of genes of fatty acid synthesis and triglyceride secretion in the liver. Journal of Lipid Research, 2007, 48, 1499-1510.  | 4.2  | 43        |
| 329 | Gene expression microarrays and respiratory muscles. Respiratory Physiology and Neurobiology, 2007, 156, 103-115.  | 1.6  | 8         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 330 | Co-factors of LIM domains (Clms/Ldb/Nli) regulate corneal homeostasis and maintenance of hair follicle stem cells. <i>Developmental Biology</i> , 2007, 312, 484-500.  | 2.0 | 25        |
| 331 | Gene expression profiling in livers of mice after acute inhibition of $\beta^2$ -oxidation. <i>Genomics</i> , 2007, 90, 680-689.   | 2.9 | 36        |
| 332 | Pleiotropic effects and compensation mechanisms determine tissue specificity in mitochondrial myopathy and sideroblastic anemia (MLASA). <i>Molecular Genetics and Metabolism</i> , 2007, 91, 148-156.   | 1.1 | 18        |
| 333 | Caloric restriction suppresses apoptotic cell death in the mammalian cochlea and leads to prevention of presbycusis. <i>Neurobiology of Aging</i> , 2007, 28, 1613-1622.   | 3.1 | 122       |
| 334 | Gene Expression Profiles in Human Lymphocytes Irradiated In Vitro with Low Doses of Gamma Rays. <i>Radiation Research</i> , 2007, 168, 650.  | 1.5 | 59        |
| 335 | Transactivation of miR-34a by p53 Broadly Influences Gene Expression and Promotes Apoptosis. <i>Molecular Cell</i> , 2007, 26, 745-752.  | 9.7 | 1,844     |
| 336 | Salmonid host response to infectious hematopoietic necrosis (IHN) virus: Cellular receptors, viral control, and novel pathways of defence. <i>Aquaculture</i> , 2007, 272, S217-S237.  | 3.5 | 27        |
| 337 | Screen for genes in periaqueductal grey of male Wistar rats related to reduced exploratory activity in the elevated plus-maze. <i>Behavioural Brain Research</i> , 2007, 183, 8-17.  | 2.2 | 3         |
| 338 | Microarray analysis reveals that Type I interferon strongly increases the expression of immune-response related genes in Ubp43 (Usp18) deficient macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 193-199. | 2.1 | 49        |
| 339 | Transcriptional profiling of stress response in cultured porcine islets. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 118-125.  | 2.1 | 5         |
| 340 | Multiple tissue gene expression analyses in Japanese medaka ( <i>Oryzias latipes</i> ) exposed to hypoxia. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2007, 145, 134-144.                          | 2.6 | 57        |
| 341 | Bicaudal-C Recruits CCR4-NOT Deadynase to Target mRNAs and Regulates Oogenesis, Cytoskeletal Organization, and Its Own Expression. <i>Developmental Cell</i> , 2007, 13, 691-704.  | 7.0 | 135       |
| 342 | Repetitive sequence environment distinguishes housekeeping genes. <i>Gene</i> , 2007, 390, 153-165.  | 2.2 | 47        |
| 343 | Novel candidate targets of Wnt/ $\beta^2$ -catenin signaling in hepatoma cells. <i>Life Sciences</i> , 2007, 80, 690-698.  | 4.3 | 46        |
| 344 | A study of 17 $\beta^2$ -estradiol-regulated genes in the vagina of postmenopausal women with vaginal atrophy. <i>Maturitas</i> , 2007, 58, 366-376.   | 2.4 | 28        |
| 345 | Evolutionarily Conserved Multisubunit RBL2/p130 and E2F4 Protein Complex Represses Human Cell Cycle-Dependent Genes in Quiescence. <i>Molecular Cell</i> , 2007, 26, 539-551.  | 9.7 | 347       |
| 346 | The MicroRNA miR-124 Promotes Neuronal Differentiation by Triggering Brain-Specific Alternative Pre-mRNA Splicing. <i>Molecular Cell</i> , 2007, 27, 435-448.  | 9.7 | 1,235     |
| 347 | Transcriptional profiling of whole blood and serum protein analysis of mice exposed to the neurotoxin Pacific Ciguatoxin-1. <i>NeuroToxicology</i> , 2007, 28, 1099-1109.  | 3.0 | 24        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 348 | Gene expression profiling of nasopharyngeal carcinoma reveals the abnormally regulated Wnt signaling pathway. Human Pathology, 2007, 38, 120-133.  | 2.0 | 135       |
| 349 | Whole genome microarray analysis of <i>C. elegans</i> <i>rrf-3</i> and <i>eri-1</i> mutants. FEBS Letters, 2007, 581, 5050-5054.   | 2.8 | 17        |
| 350 | Identification of the Transcriptional Targets of FOXP2, a Gene Linked to Speech and Language, in Developing Human Brain. American Journal of Human Genetics, 2007, 81, 1144-1157.  | 6.2 | 262       |
| 351 | High-Throughput Analysis of Promoter Occupancy Reveals Direct Neural Targets of FOXP2, a Gene Mutated in Speech and Language Disorders. American Journal of Human Genetics, 2007, 81, 1232-1250.   | 6.2 | 232       |
| 352 | RiceDB: A Web-Based Integrated Database for Annotating Rice Microarray. Rice Science, 2007, 14, 256-264.   | 3.9 | 1         |
| 353 | Premature Estrogen Exposure Alters Endometrial Gene Expression to Disrupt Pregnancy in the Pig. Endocrinology, 2007, 148, 4761-4773.   | 2.8 | 48        |
| 354 | MYC2 Differentially Modulates Diverse Jasmonate-Dependent Functions in <i>Arabidopsis</i> . Plant Cell, 2007, 19, 2225-2245.   | 6.6 | 947       |
| 355 | THE MECHANISMS AND APPLICATIONS OF SYMBIOTIC OPPORTUNISTIC PLANT SYMBIONTS. , 2007, , 131-155.   |     | 25        |
| 356 | Aging impacts transcriptomes but not genomes of hormone-dependent breast cancers. Breast Cancer Research, 2007, 9, R59.  | 5.0 | 64        |
| 357 | Prediction of synergistic transcription factors by function conservation. Genome Biology, 2007, 8, R257.   | 9.6 | 24        |
| 358 | Broad network-based predictability of <i>Saccharomyces cerevisiae</i> gene loss-of-function phenotypes. Genome Biology, 2007, 8, R258.   | 9.6 | 87        |
| 359 | GeneChip analysis of human embryonic stem cell differentiation into hemangioblasts: an in silico dissection of mixed phenotypes. Genome Biology, 2007, 8, R240.  | 9.6 | 23        |
| 360 | Genome-wide expression profiling and bioinformatics analysis of diurnally regulated genes in the mouse prefrontal cortex. Genome Biology, 2007, 8, R247.   | 9.6 | 37        |
| 361 | Gene expression profiling of Hfe <sup>-/-</sup> liver and duodenum in mouse strains with differing susceptibilities to iron loading: identification of transcriptional regulatory targets of Hfe and potential hemochromatosis modifiers. Genome Biology, 2007, 8, R221. | 9.6 | 16        |
| 362 | Simplified ontologies allowing comparison of developmental mammalian gene expression. Genome Biology, 2007, 8, R229.   | 9.6 | 12        |
| 363 | The DAVID Gene Functional Classification Tool: a novel biological module-centric algorithm to functionally analyze large gene lists. Genome Biology, 2007, 8, R183.  | 9.6 | 2,105     |
| 364 | Regional differences in dosage compensation on the chicken Z chromosome. Genome Biology, 2007, 8, R202.  | 9.6 | 98        |
| 365 | Transcriptomic and phenotypic analysis of murine embryonic stem cell derived BMP2 <sup>+</sup> lineage cells: an insight into mesodermal patterning. Genome Biology, 2007, 8, R184.  | 9.6 | 22        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 366 | The roles of binding site arrangement and combinatorial targeting in microRNA repression of gene expression. <i>Genome Biology</i> , 2007, 8, R166.                                       | 9.6 | 131       |
| 367 | A functional map of NF $\kappa$ B signaling identifies novel modulators and multiple system controls. <i>Genome Biology</i> , 2007, 8, R104.  | 9.6 | 20        |
| 368 | Morphine effects on striatal transcriptome in mice. <i>Genome Biology</i> , 2007, 8, R128.  | 9.6 | 74        |
| 369 | Revealing signaling pathway deregulation by using gene expression signatures and regulatory motif analysis. <i>Genome Biology</i> , 2007, 8, R77.   | 9.6 | 18        |
| 370 | Global transcriptome analysis of murine embryonic stem cell-derived cardiomyocytes. <i>Genome Biology</i> , 2007, 8, R56.   | 9.6 | 54        |
| 371 | microRNA expression in the prefrontal cortex of individuals with schizophrenia and schizoaffective disorder. <i>Genome Biology</i> , 2007, 8, R27.  | 9.6 | 489       |
| 372 | DiscoverySpace: an interactive data analysis application. <i>Genome Biology</i> , 2007, 8, R6.  | 9.6 | 41        |
| 373 | GENECODIS: a web-based tool for finding significant concurrent annotations in gene lists. <i>Genome Biology</i> , 2007, 8, R3.  | 9.6 | 554       |
| 374 | Expression and regulation of CCL18 in synovial fluid neutrophils of patients with rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2007, 9, R94.                             | 3.5 | 48        |
| 375 | Genome-wide expression profiling of lymphoblastoid cell lines distinguishes different forms of autism and reveals shared pathways. <i>Human Molecular Genetics</i> , 2007, 16, 1682-1698. | 2.9 | 290       |
| 376 | Macromolecule biosynthesis: a key function of sleep. <i>Physiological Genomics</i> , 2007, 31, 441-457.   | 2.3 | 322       |
| 377 | Gene Expression Profile of Bioreactor-Cultured Cardiac Cells: Activation of Morphogenetic Pathways for Tissue Engineering. <i>DNA and Cell Biology</i> , 2007, 26, 425-434.               | 1.9 | 11        |
| 378 | Multiplicity adjustment for intersection-union test: detecting overlapping genes from multiple microarray gene lists. , 2007, , .   |     | 1         |
| 379 | An Information Theoretic Framework for Ontology-based Bioinformatics. , 2007, , .   |     | 4         |
| 380 | DURATION-DEPENDENT CYTOPROTECTIVE VERSUS INFLAMMATORY EFFECTS OF LUNG EPITHELIAL FIBROBLAST GROWTH FACTOR-7 EXPRESSION. <i>Experimental Lung Research</i> , 2007, 33, 385-417.            | 1.2 | 9         |
| 381 | Strategies for Identifying Statistically Significant Dense Regions in Microarray Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2007, 4, 415-429.       | 3.0 | 5         |
| 382 | Hepatic Transcriptional Networks Induced by Exposure to 2,3,7,8-Tetrachlorodibenzo-p-dioxin. <i>Chemical Research in Toxicology</i> , 2007, 20, 1573-1581.                                | 3.3 | 34        |
| 383 | A Resource Allocation Control for Wireless Ad Hoc Networks. , 2007, , .   |     | 1         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 384 | Comparison of the Cytotoxicity of the Nitroaromatic Drug Flutamide to Its Cyano Analogue in the Hepatocyte Cell Line TAMH: Evidence for Complex I Inhibition and Mitochondrial Dysfunction Using Toxicogenomic Screening. <i>Chemical Research in Toxicology</i> , 2007, 20, 1277-1290. | 3.3 | 56        |
| 385 | Cell- and gene-specific regulation of primary target genes by the androgen receptor. <i>Genes and Development</i> , 2007, 21, 2005-2017.  | 5.9 | 302       |
| 386 | Sexually Dimorphic Gene Expression in Mammalian Somatic Tissue. <i>Gender Medicine</i> , 2007, 4, S75-S95.  | 1.4 | 64        |
| 387 | Preventive effect of d-psicose, one of rare ketohexoses, on di-(2-ethylhexyl) phthalate (DEHP)-induced testicular injury in rat. <i>Toxicology Letters</i> , 2007, 173, 107-117.  | 0.8 | 70        |
| 388 | PCR-verified microarray analysis and functional in vitro studies indicate a role of $\alpha$ -tocopherol in vesicular transport. <i>Free Radical Research</i> , 2007, 41, 930-942.  | 3.3 | 21        |
| 389 | Genomic analysis of human lung fibroblasts exposed to vanadium pentoxide to identify candidate genes for occupational bronchitis. <i>Respiratory Research</i> , 2007, 8, 34.  | 3.6 | 30        |
| 390 | Transforming Growth Factor- $\beta$ 2 and microRNA:mRNA Regulatory Networks in Epithelial Plasticity. <i>Cells Tissues Organs</i> , 2007, 185, 157-161.   | 2.3 | 144       |
| 391 | Diesel Exhaust Inhalation and Assessment of Peripheral Blood Mononuclear Cell Gene Transcription Effects: An Exploratory Study of Healthy Human Volunteers. <i>Inhalation Toxicology</i> , 2007, 19, 1107-1119.   | 1.6 | 84        |
| 392 | Gene ontology analysis of human hair follicle bulge molecular signature. <i>Journal of Dermatological Science</i> , 2007, 45, 147-150.  | 1.9 | 12        |
| 393 | Interpreting physiological responses to environmental change through gene expression profiling. <i>Journal of Experimental Biology</i> , 2007, 210, 1584-1592.  | 1.7 | 103       |
| 394 | Genomic and Functional Studies of <i>Drosophila</i> Sex Hierarchy Regulated Gene Expression in Adult Head and Nervous System Tissues. <i>PLoS Genetics</i> , 2007, 3, e216.   | 3.5 | 111       |
| 395 | Differential Cerebral Cortex Transcriptomes of Baboon Neonates Consuming Moderate and High Docosahexaenoic Acid Formulas. <i>PLoS ONE</i> , 2007, 2, e370.  | 2.5 | 49        |
| 396 | Public Databases and Software for the Pathway Analysis of Cancer Genomes. <i>Cancer Informatics</i> , 2007, 3, 117693510700300.   | 1.9 | 9         |
| 397 | Identification and Characterization of Renal Cell Carcinoma Gene Markers. <i>Cancer Informatics</i> , 2007, 3, 117693510700300.   | 1.9 | 27        |
| 398 | Up-regulation of Tissue Factor in Human Pulmonary Artery Endothelial Cells after Ultrafine Particle Exposure. <i>Environmental Health Perspectives</i> , 2007, 115, 535-540.  | 6.0 | 56        |
| 399 | GSMA: Gene Set Matrix Analysis, An Automated Method for Rapid Hypothesis Testing of Gene Expression Data. <i>Bioinformatics and Biology Insights</i> , 2007, 1, 117793220700100.  | 2.0 | 2         |
| 400 | Ozone induces clear cellular and molecular responses in the mouse lung independently of the transcription-coupled repair status. <i>Journal of Applied Physiology</i> , 2007, 102, 1185-1192.   | 2.5 | 10        |
| 401 | Genome-Level Longitudinal Expression of Signaling Pathways and Gene Networks in Pediatric Septic Shock. <i>Molecular Medicine</i> , 2007, 13, 495-508.  | 4.4 | 114       |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 402 | Integrative database management for mouse development: Systems and concepts. Birth Defects Research Part C: Embryo Today Reviews, 2007, 81, 1-19.  | 3.6 | 5         |
| 403 | Comparative proteomic characterization of articular cartilage tissue from normal donors and patients with osteoarthritis. Arthritis and Rheumatism, 2007, 56, 3675-3684.   | 6.7 | 146       |
| 404 | Dysregulation of X-linked gene expression in Klinefelter's syndrome and association with verbal cognition. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2007, 144B, 728-734.                                    | 1.7 | 68        |
| 405 | Reprogramming of genetic networks during initiation of the Fetal Alcohol Syndrome. Developmental Dynamics, 2007, 236, 613-631.   | 1.8 | 122       |
| 406 | Elf5 is an epithelium-specific, fibroblast growth factor-sensitive transcription factor in the embryonic lung. Developmental Dynamics, 2007, 236, 1175-1192.   | 1.8 | 66        |
| 407 | Mouse olfactory sensory neurons express 10,000 genes. Journal of Comparative Neurology, 2007, 502, 1138-1156.  | 1.6 | 72        |
| 408 | Diverging mechanisms for TNF receptors in normal mouse brains and in functional recovery after injury: From gene to behavior. Journal of Neuroscience Research, 2007, 85, 2668-2685.   | 2.9 | 21        |
| 409 | Statistical methods for the analysis of high-throughput data based on functional profiles derived from the Gene Ontology. Journal of Statistical Planning and Inference, 2007, 137, 3975-3989.   | 0.6 | 16        |
| 410 | Silencing of core transcription factors in human EC cells highlights the importance of autocrine FGF signaling for self-renewal. BMC Developmental Biology, 2007, 7, 46.   | 2.1 | 62        |
| 411 | Characterization of the effect of sample quality on high density oligonucleotide microarray data using progressively degraded rat liver RNA. BMC Biotechnology, 2007, 7, 57.   | 3.3 | 72        |
| 412 | Common molecular pathways involved in human CD133+/CD34+ progenitor cell expansion and cancer. Cancer Cell International, 2007, 7, 11.   | 4.1 | 15        |
| 413 | Modulation by decitabine of gene expression and growth of osteosarcoma U2OS cells in vitro and in xenografts: Identification of apoptotic genes as targets for demethylation. Cancer Cell International, 2007, 7, 14.                      | 4.1 | 48        |
| 414 | OCPAT: an online codon-preserved alignment tool for evolutionary genomic analysis of protein coding sequences. Source Code for Biology and Medicine, 2007, 2, 5.   | 1.7 | 11        |
| 415 | A hierarchical analysis of transcriptome alterations in intrauterine growth restriction (IUGR) reveals common pathophysiological pathways in mammals. Journal of Pathology, 2007, 213, 337-346.  | 4.5 | 39        |
| 416 | Nine steps to proteomic wisdom: A practical guide to using protein-protein interaction networks and molecular pathways as a framework for interpreting disease proteomic profiles. Proteomics - Clinical Applications, 2007, 1, 1156-1168. | 1.6 | 6         |
| 417 | Proteomic analysis of protein expression changes in a model of gliomagenesis. Proteomics - Clinical Applications, 2007, 1, 1485-1498.  | 1.6 | 3         |
| 418 | A multivariate analysis approach to the integration of proteomic and gene expression data. Proteomics, 2007, 7, 2162-2171.   | 2.2 | 70        |
| 419 | Diabetes-induced changes in the renal cortical proteome assessed with two-dimensional gel electrophoresis and mass spectrometry. Proteomics, 2007, 7, 1729-1742.   | 2.2 | 53        |



| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 420 | Combination of peptide OFFGEL fractionation and label-free quantitation facilitated proteomics profiling of extraocular muscle. <i>Proteomics</i> , 2007, 7, 3404-3416.   | 2.2  | 42        |
| 421 | The LIM-only factor LMO4 regulates expression of the BMP7 gene through an HDAC2-dependent mechanism, and controls cell proliferation and apoptosis of mammary epithelial cells. <i>Oncogene</i> , 2007, 26, 6431-6441.              | 5.9  | 58        |
| 422 | Gene expression and the biological phenotype of papillary thyroid carcinomas. <i>Oncogene</i> , 2007, 26, 7894-7903.  | 5.9  | 71        |
| 423 | MMTV insertional mutagenesis identifies genes, gene families and pathways involved in mammary cancer. <i>Nature Genetics</i> , 2007, 39, 759-769.   | 21.4 | 184       |
| 424 | A critical developmental switch defines the kinetics of kidney cyst formation after loss of Pkd1. <i>Nature Medicine</i> , 2007, 13, 1490-1495.   | 30.7 | 370       |
| 425 | The Near-Naked Hairless (Hr) Mutation Disrupts Hair Formation but Is Not Due to a Mutation in the Hairless Coding Region. <i>Journal of Investigative Dermatology</i> , 2007, 127, 1605-1614.                                       | 0.7  | 8         |
| 426 | Aplidin synergizes with cytosine arabinoside: functional relevance of mitochondria in Aplidin-induced cytotoxicity. <i>Leukemia</i> , 2007, 21, 2399-2405.  | 7.2  | 14        |
| 427 | Expression profiling in monozygotic twins discordant for bipolar disorder reveals dysregulation of the WNT signalling pathway. <i>Molecular Psychiatry</i> , 2007, 12, 815-825.   | 7.9  | 97        |
| 428 | Genome-wide atlas of gene expression in the adult mouse brain. <i>Nature</i> , 2007, 445, 168-176.  | 27.8 | 4,863     |
| 429 | Expression profiling of the mouse prostate after castration and hormone replacement: implication of H-cadherin in prostate tumorigenesis. <i>Differentiation</i> , 2007, 75, 219-234.   | 1.9  | 59        |
| 430 | Molecular markers distinguishing supragranular and infragranular layers in the human prefrontal cortex. <i>European Journal of Neuroscience</i> , 2007, 25, 1843-1854.  | 2.6  | 52        |
| 431 | Using gene chips to identify organ-specific, smooth muscle responses to experimental diabetes: potential applications to urological diseases. <i>BJU International</i> , 2007, 99, 418-430.   | 2.5  | 28        |
| 432 | Microarray analysis of exstrophic human bladder smooth muscle. <i>BJU International</i> , 2007, 101, 070916224627009-???  | 2.5  | 18        |
| 433 | General and specific host responses to bacterial infection in Peyer's patches: a role for stromelysin-1 (matrix metalloproteinase-3) during <i>Salmonella enterica</i> infection. <i>Molecular Microbiology</i> , 2007, 64, 94-110. | 2.5  | 28        |
| 434 | Anxiety induced by prenatal stress is associated with suppression of hippocampal genes involved in synaptic function. <i>Journal of Neurochemistry</i> , 2007, 101, 1018-1030.  | 3.9  | 66        |
| 435 | An integrated analysis of genes and pathways exhibiting metabolic differences between estrogen receptor positive breast cancer cells. <i>BMC Cancer</i> , 2007, 7, 181.   | 2.6  | 14        |
| 436 | Novel markers for differentiation of lobular and ductal invasive breast carcinomas by laser microdissection and microarray analysis. <i>BMC Cancer</i> , 2007, 7, 55.   | 2.6  | 341       |
| 437 | Gene expression analysis in human osteoblasts exposed to dexamethasone identifies altered developmental pathways as putative drivers of osteoporosis. <i>BMC Musculoskeletal Disorders</i> , 2007, 8, 12.                           | 1.9  | 78        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 438 | Understanding network concepts in modules. BMC Systems Biology, 2007, 1, 24.  | 3.0 | 385       |
| 439 | Genome Expression Pathway Analysis Tool – Analysis and visualization of microarray gene expression data under genomic, proteomic and metabolic context. BMC Bioinformatics, 2007, 8, 179.   | 2.6 | 19        |
| 440 | Joint mapping of genes and conditions via multidimensional unfolding analysis. BMC Bioinformatics, 2007, 8, 181.  | 2.6 | 10        |
| 441 | Post hoc pattern matching: assigning significance to statistically defined expression patterns in single channel microarray data. BMC Bioinformatics, 2007, 8, 240.                         | 2.6 | 19        |
| 442 | Portraits of breast cancer progression. BMC Bioinformatics, 2007, 8, 291.   | 2.6 | 32        |
| 443 | EDISA: extracting biclusters from multiple time-series of gene expression profiles. BMC Bioinformatics, 2007, 8, 334.   | 2.6 | 52        |
| 444 | Linking microarray reporters with protein functions. BMC Bioinformatics, 2007, 8, 360.  | 2.6 | 12        |
| 445 | Improved human disease candidate gene prioritization using mouse phenotype. BMC Bioinformatics, 2007, 8, 392.   | 2.6 | 232       |
| 446 | DAVID Knowledgebase: a gene-centered database integrating heterogeneous gene annotation resources to facilitate high-throughput gene functional analysis. BMC Bioinformatics, 2007, 8, 426. | 2.6 | 510       |
| 447 | The Firegoose: two-way integration of diverse data from different bioinformatics web resources with desktop applications. BMC Bioinformatics, 2007, 8, 456.                                 | 2.6 | 30        |
| 448 | Including probe-level uncertainty in model-based gene expression clustering. BMC Bioinformatics, 2007, 8, 98.   | 2.6 | 16        |
| 449 | Statistical analysis of genomic protein family and domain controlled annotations for functional investigation of classified gene lists. BMC Bioinformatics, 2007, 8, S14.                   | 2.6 | 3         |
| 450 | EasyGO: Gene Ontology-based annotation and functional enrichment analysis tool for agronomical species. BMC Genomics, 2007, 8, 246.   | 2.8 | 137       |
| 451 | Integrated analysis of independent gene expression microarray datasets improves the predictability of breast cancer outcome. BMC Genomics, 2007, 8, 331.                                    | 2.8 | 22        |
| 452 | Characterization of oligopeptide patterns in large protein sets. BMC Genomics, 2007, 8, 346.  | 2.8 | 11        |
| 453 | Proteomics reveals multiple routes to the osteogenic phenotype in mesenchymal stem cells. BMC Genomics, 2007, 8, 380.   | 2.8 | 24        |
| 454 | BMDEExpress: a software tool for the benchmark dose analyses of genomic data. BMC Genomics, 2007, 8, 387.   | 2.8 | 171       |
| 455 | Computational selection and prioritization of candidate genes for Fetal Alcohol Syndrome. BMC Genomics, 2007, 8, 389.   | 2.8 | 36        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 456 | Large-scale analysis by SAGE reveals new mechanisms of v-erbA oncogene action. BMC Genomics, 2007, 8, 390.  | 2.8 | 15        |
| 457 | Suicide candidate genes associated with bipolar disorder and schizophrenia: An exploratory gene expression profiling analysis of post-mortem prefrontal cortex. BMC Genomics, 2007, 8, 413.                                     | 2.8 | 91        |
| 458 | Gene expression and biological processes influenced by deletion of Stat3 in pulmonary type II epithelial cells. BMC Genomics, 2007, 8, 455.   | 2.8 | 48        |
| 459 | The molecular signature of therapeutic mesenchymal stem cells exposes the architecture of the hematopoietic stem cell niche synapse. BMC Genomics, 2007, 8, 65.   | 2.8 | 61        |
| 460 | Transcriptional profiling of C57 and DBA strains of mice in the absence and presence of morphine. BMC Genomics, 2007, 8, 76.  | 2.8 | 39        |
| 461 | Expression profiling of genes regulated by TGF-beta: Differential regulation in normal and tumour cells. BMC Genomics, 2007, 8, 98.   | 2.8 | 105       |
| 462 | Comparative gene expression profiling in two congenic mouse strains following Bordetella pertussis infection. BMC Microbiology, 2007, 7, 88.  | 3.3 | 5         |
| 463 | Role of IKK and ERK pathways in intrinsic inflammation of cystic fibrosis airways. Biochemical Pharmacology, 2007, 73, 1982-1994.   | 4.4 | 83        |
| 464 | Genes encoding mitochondrial respiratory chain components are profoundly down-regulated with aging in the cochlea of DBA/2J mice. Brain Research, 2007, 1182, 26-33.  | 2.2 | 38        |
| 465 | A novel approach of proteomics and transcriptomics to study the mechanism of action of the antioxidant“iron chelator green tea polyphenol (-)-epigallocatechin-3-gallate. Free Radical Biology and Medicine, 2007, 43, 546-556. | 2.9 | 71        |
| 466 | Integration of statistical inference methods and a novel control measure to improve sensitivity and specificity of data analysis in expression profiling studies. Journal of Biomedical Informatics, 2007, 40, 552-560.         | 4.3 | 24        |
| 467 | The C. elegans TGF-Î² Dauer Pathway Regulates Longevity via Insulin Signaling. Current Biology, 2007, 17, 1635-1645.  | 3.9 | 242       |
| 468 | Changes in gene-expression during development of the murine molar tooth germ. Archives of Oral Biology, 2007, 52, 803-813.  | 1.8 | 21        |
| 469 | Differential gene expression in CD8+ cells from HIV-1-infected subjects showing suppression of HIV replication. Virology, 2007, 362, 217-225.   | 2.4 | 14        |
| 470 | Transcriptional profile of Rous Sarcoma Virus transformed chicken embryo fibroblasts reveals new signaling targets of viral-src. Virology, 2007, 364, 10-20.  | 2.4 | 13        |
| 471 | In vitro gene expression data supporting a DNA non-reactive genotoxic mechanism for ochratoxin A. Toxicology and Applied Pharmacology, 2007, 220, 216-224.  | 2.8 | 55        |
| 472 | Time course investigation of PPARÎ±- and Kupffer cell-dependent effects of WY-14,643 in mouse liver using microarray gene expression. Toxicology and Applied Pharmacology, 2007, 225, 267-277.                                  | 2.8 | 19        |
| 473 | Activation of tyrosine kinase receptor signaling pathway by rasagiline facilitates neurorescue and restoration of nigrostriatal dopamine neurons in post-MPTP-induced parkinsonism. Neurobiology of Disease, 2007, 25, 35-44.   | 4.4 | 123       |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 474 | Microarray Analysis Reveals Overexpression of CD163 and HO-1 in Symptomatic Carotid Plaques. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 154-160.  | 2.4 | 50        |
| 475 | Fibroblast Growth Factor 2 Modulates Transforming Growth Factor $\beta$ Signaling in Mouse Embryonic Fibroblasts and Human ESCs (hESCs) to Support hESC Self-Renewal. Stem Cells, 2007, 25, 455-464.   | 3.2 | 212       |
| 476 | Pretreatment Gene Expression Profiles Can Be Used to Predict Response to Neoadjuvant Chemoradiotherapy in Esophageal Cancer. Annals of Surgical Oncology, 2007, 14, 3602-3609.   | 1.5 | 58        |
| 477 | Neonatal dopamine depletion induces changes in morphogenesis and gene expression in the developing cortex. Neurotoxicity Research, 2007, 11, 107-130.  | 2.7 | 26        |
| 478 | Lung response to Bordetella pertussis infection in mice identified by gene-expression profiling. Immunogenetics, 2007, 59, 555-564.  | 2.4 | 19        |
| 479 | Weighted gene coexpression network analysis strategies applied to mouse weight. Mammalian Genome, 2007, 18, 463-472.   | 2.2 | 337       |
| 480 | Metastasis signatures: genes regulating tumor-microenvironment interactions predict metastatic behavior. Cancer and Metastasis Reviews, 2008, 27, 75-83.   | 5.9 | 76        |
| 481 | Sexually dimorphic gene expression in the heart of mice and men. Journal of Molecular Medicine, 2008, 86, 61-74.   | 3.9 | 135       |
| 482 | Sex-specific pathways in early cardiac response to pressure overload in mice. Journal of Molecular Medicine, 2008, 86, 1013-1024.  | 3.9 | 115       |
| 483 | Renewal and preliminary study of expressed sequence tags database on human fetal liver aged 22 wk of gestation. Science Bulletin, 2008, 53, 3204-3210.   | 9.0 | 0         |
| 484 | Integrative decomposition procedure and Kappa statistics set up ATF2 ion binding module in malignant pleural mesothelioma (MPM). Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2008, 3, 381-387. | 0.6 | 23        |
| 485 | $^{18}\text{O}$ Labeling for a Quantitative Proteomic Analysis of Glycoproteins in Hepatocellular Carcinoma. Clinical Proteomics, 2008, 4, 137-155.  | 2.1 | 18        |
| 486 | Stemming Cancer: Functional Genomics of Cancer Stem Cells in Solid Tumors. Stem Cell Reviews and Reports, 2008, 4, 319-328.  | 5.6 | 56        |
| 487 | Herpes simplex virus type 1 modulates cellular gene expression during quiescent infection of neuronal cells. Archives of Virology, 2008, 153, 1335-1345.   | 2.1 | 13        |
| 488 | Inactivation of the 3-phosphoglycerate dehydrogenase gene in mice: changes in gene expression and associated regulatory networks resulting from serine deficiency. Functional and Integrative Genomics, 2008, 8, 235-249.  | 3.5 | 18        |
| 489 | Mutant huntingtin activates Nrf2-responsive genes and impairs dopamine synthesis in a PC12 model of Huntington's disease. BMC Molecular Biology, 2008, 9, 84.  | 3.0 | 66        |
| 490 | Association between PPARGC1A polymorphisms and the occurrence of nonalcoholic fatty liver disease (NAFLD). BMC Gastroenterology, 2008, 8, 27.  | 2.0 | 59        |
| 491 | The estrogen hypothesis of Schizophrenia implicates glucose metabolism: Association study in three independent samples. BMC Medical Genetics, 2008, 9, 39.   | 2.1 | 31        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 492 | Putative psychosis genes in the prefrontal cortex: combined analysis of gene expression microarrays. BMC Psychiatry, 2008, 8, 87.   | 2.6 | 48        |
| 493 | Regulatory subunits of PKA define an axis of cellular proliferation/differentiation in ovarian cancer cells. BMC Medical Genomics, 2008, 1, 43.   | 1.5 | 28        |
| 494 | Monocytes of patients with familial hypercholesterolemia show alterations in cholesterol metabolism. BMC Medical Genomics, 2008, 1, 60.   | 1.5 | 52        |
| 495 | Modeling gene-by-environment interaction in comorbid depression with alcohol use disorders via an integrated bioinformatics approach. BioData Mining, 2008, 1, 2.   | 4.0 | 39        |
| 496 | Maternal Oct-4 is a potential key regulator of the developmental competence of mouse oocytes. BMC Developmental Biology, 2008, 8, 97.   | 2.1 | 70        |
| 497 | Comparative proteome analysis of three mouse lung adenocarcinoma CMT cell lines with different metastatic potential by two-dimensional gel electrophoresis and mass spectrometry. Proteomics, 2008, 8, 4932-4945. | 2.2 | 10        |
| 498 | Exploration of the normal human bronchoalveolar lavage fluid proteome. Proteomics - Clinical Applications, 2008, 2, 585-595.  | 1.6 | 51        |
| 499 | Alpha <sub>1</sub> -antitrypsin and complement component C7 are involved in asthma exacerbation. Proteomics - Clinical Applications, 2008, 2, 46-54.  | 1.6 | 16        |
| 500 | Analysis of the human testis proteome by mass spectrometry and bioinformatics. Proteomics - Clinical Applications, 2008, 2, 1651-1657.  | 1.6 | 31        |
| 501 | Gene profiling approaches help to define the specific functions of retinoblastoma family in epidermis. Molecular Carcinogenesis, 2008, 47, 209-221.   | 2.7 | 29        |
| 502 | Effect of astrocyte-targeted production of IL-6 on traumatic brain injury and its impact on the cortical transcriptome. Developmental Neurobiology, 2008, 68, 195-208.  | 3.0 | 33        |
| 503 | FACS-array gene expression analysis during early development of mouse telencephalic interneurons. Developmental Neurobiology, 2008, 68, 434-445.  | 3.0 | 33        |
| 504 | A meta-analysis of nonsense mutations causing human genetic disease. Human Mutation, 2008, 29, 1037-1047.   | 2.5 | 348       |
| 505 | Protective effects of dietary curcumin in mouse model of chemically induced colitis are strain dependent. Inflammatory Bowel Diseases, 2008, 14, 780-793.   | 1.9 | 63        |
| 506 | E-selectin regulates gene expression in metastatic colorectal carcinoma cells and enhances HMGB1 release. International Journal of Cancer, 2008, 123, 1741-1750.  | 5.1 | 32        |
| 507 | Transcriptional profiling identifies an interferon-associated host immune response in invasive squamous cell carcinoma of the skin. International Journal of Cancer, 2008, 123, 2605-2615.                        | 5.1 | 27        |
| 508 | Modulation of several waves of gene expression during FGF <sub>1</sub> induced epithelial-mesenchymal transition of carcinoma cells. Journal of Cellular Biochemistry, 2008, 104, 826-839.                        | 2.6 | 56        |
| 509 | Genome-wide expression analysis of cells expressing gain of function mutant D374Y-PCSK9. Journal of Cellular Physiology, 2008, 217, 459-467.  | 4.1 | 34        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 510 | Transcriptional profiling defines the effects of nickel in human epidermal keratinocytes. Journal of Cellular Physiology, 2008, 217, 686-692.  | 4.1 | 13        |
| 511 | C-Myc and its target FoxM1 are critical downstream effectors of constitutive androstane receptor (CAR) mediated direct liver hyperplasia. Hepatology, 2008, 48, 1302-1311.   | 7.3 | 121       |
| 512 | Bone marrow glycophorinâ€positive erythroid cells of myelodysplastic patients responding to highâ€dose rHuEPO therapy have a different gene expression pattern from those of nonresponders. American Journal of Hematology, 2008, 83, 531-539. | 4.1 | 11        |
| 514 | Interactive data analysis and clustering of genomic data. Neural Networks, 2008, 21, 368-378.  | 5.9 | 31        |
| 515 | Assessing CMT cell line stability by two dimensional polyacrylamide gel electrophoresis and mass spectrometry based proteome analysis. Journal of Proteomics, 2008, 71, 160-167.   | 2.4 | 10        |
| 516 | Transcriptional profiling of mouse liver in response to chronic heat stress. Journal of Thermal Biology, 2008, 33, 157-167.  | 2.5 | 17        |
| 517 | Large-scale estimates of cellular origins of mRNAs: Enhancing the yield of transcriptome analyses. Journal of Neuroscience Methods, 2008, 167, 198-206.  | 2.5 | 13        |
| 518 | Bioinformatics applications for pathway analysis of microarray data. Current Opinion in Biotechnology, 2008, 19, 50-54.  | 6.6 | 158       |
| 519 | Gene expression profiles of murine fatty liver induced by the administration of methotrexate. Toxicology, 2008, 249, 75-84.  | 4.2 | 17        |
| 520 | High glucose downregulates endothelial progenitor cell number via SIRT1. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 936-945.   | 2.3 | 103       |
| 521 | Defining Pancreatic Endocrine Precursors and Their Descendants. Diabetes, 2008, 57, 654-668.   | 0.6 | 73        |
| 522 | The Molecular Basis of Shoot Responses of Maize Seedlings to <i>Trichoderma harzianum</i> T22 Inoculation of the Root: A Proteomic Approach Â. Plant Physiology, 2008, 147, 2147-2163.   | 4.8 | 271       |
| 523 | Differential placental gene expression in preeclampsia. American Journal of Obstetrics and Gynecology, 2008, 199, 566.e1-566.e11.  | 1.3 | 131       |
| 524 | Differential gene expression profiles of normal human parotid and submandibular glands. Oral Diseases, 2008, 14, 500-509.  | 3.0 | 16        |
| 525 | Induction of Cerebral Arteriogenesis Leads to Early-Phase Expression of Protease Inhibitors in Growing Collaterals of the Brain. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1811-1823.   | 4.3 | 24        |
| 526 | The fibromatosis signature defines a robust stromal response in breast carcinoma. Laboratory Investigation, 2008, 88, 591-601.   | 3.7 | 100       |
| 527 | Cell cycle and immune-related processes are significantly altered in chronic GVHD. Bone Marrow Transplantation, 2008, 41, 1047-1057.   | 2.4 | 11        |
| 528 | Wild-type p53 and p73 negatively regulate expression of proliferation related genes. Oncogene, 2008, 27, 2583-2593.  | 5.9 | 64        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 529 | The MYCN oncogene is a direct target of miR-34a. <i>Oncogene</i> , 2008, 27, 5204-5213.  | 5.9 | 273       |
| 530 | Microarray Analysis of the Global Alterations in the Gene Expression in the Placentas From Cigarette-smoking Mothers. <i>Clinical Pharmacology and Therapeutics</i> , 2008, 83, 542-550.   | 4.7 | 73        |
| 531 | Haplotype patterns in cancer-related genes with long-range linkage disequilibrium: no evidence of association with breast cancer or positive selection. <i>European Journal of Human Genetics</i> , 2008, 16, 252-260.   | 2.8 | 7         |
| 532 | Innate immune response gene expression profiles characterize primary antiphospholipid syndrome. <i>Genes and Immunity</i> , 2008, 9, 38-46.  | 4.1 | 47        |
| 533 | Microarray Analysis Demonstrates a Role for Slug in Epidermal Homeostasis. <i>Journal of Investigative Dermatology</i> , 2008, 128, 361-369.   | 0.7 | 21        |
| 534 | UV Radiation-Induced Immunosuppression Is Greater in Men and Prevented by Topical Nicotinamide. <i>Journal of Investigative Dermatology</i> , 2008, 128, 447-454.  | 0.7 | 167       |
| 535 | Superficial, Nodular, and Morpheiform Basal-Cell Carcinomas Exhibit Distinct Gene Expression Profiles. <i>Journal of Investigative Dermatology</i> , 2008, 128, 1797-1805.   | 0.7 | 48        |
| 536 | Gene Expression Profiling of Sporadic Parkinson's Disease Substantia Nigra Pars Compacta Reveals Impairment of Ubiquitin-Proteasome Subunits, SKP1A, Aldehyde Dehydrogenase, and Chaperone HSC70. <i>Annals of the New York Academy of Sciences</i> , 2005, 1053, 356-375. | 3.8 | 2         |
| 537 | Prg1 is regulated by the basic helix-loop-helix transcription factor Math2. <i>Journal of Neurochemistry</i> , 2008, 106, 2375-2384.   | 3.9 | 13        |
| 538 | Evaluation of gene expression profiles of immature dendritic cells prepared from peripheral blood mononuclear cells. <i>Transfusion</i> , 2008, 48, 647-657.   | 1.6 | 13        |
| 539 | The proteome of red cell membranes and vesicles during storage in blood bank conditions. <i>Transfusion</i> , 2008, 48, 827-835.   | 1.6 | 64        |
| 540 | Serial analysis of gene expression in a rat lung model of asthma. <i>Respirology</i> , 2008, 13, 972-982.  | 2.3 | 16        |
| 541 | Microarray analysis of bladder smooth muscle from patients with myelomeningocele. <i>BJU International</i> , 2008, 102, 741-746.   | 2.5 | 30        |
| 542 | Haploinsufficiency of <i>RPS14</i> in 5q <sup>+</sup> syndrome is associated with deregulation of ribosomal and translation-related genes. <i>British Journal of Haematology</i> , 2008, 142, 57-64.   | 2.5 | 91        |
| 543 | Coordinated expression of cytoskeleton regulating genes in the accelerated neurite outgrowth of P19 embryonic carcinoma cells. <i>Experimental Cell Research</i> , 2008, 314, 677-690.   | 2.6 | 9         |
| 544 | Variation of the genetic expression pattern after exposure to estradiol-17 $\beta$ and 4-nonylphenol in male zebrafish ( <i>Danio rerio</i> ). <i>General and Comparative Endocrinology</i> , 2008, 158, 138-144.  | 1.8 | 55        |
| 545 | Simple integrative preprocessing preserves what is shared in data sources. <i>BMC Bioinformatics</i> , 2008, 9, 111.   | 2.6 | 12        |
| 546 | Merging microarray data from separate breast cancer studies provides a robust prognostic test. <i>BMC Bioinformatics</i> , 2008, 9, 125.   | 2.6 | 82        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 547 | Stability of gene contributions and identification of outliers in multivariate analysis of microarray data. BMC Bioinformatics, 2008, 9, 289.  | 2.6 | 15        |
| 548 | Literature-aided meta-analysis of microarray data: a compendium study on muscle development and disease. BMC Bioinformatics, 2008, 9, 291.   | 2.6 | 21        |
| 549 | Combining Shapley value and statistics to the analysis of gene expression data in children exposed to air pollution. BMC Bioinformatics, 2008, 9, 361.   | 2.6 | 29        |
| 550 | SQUAT: A web tool to mine human, murine and avian SAGE data. BMC Bioinformatics, 2008, 9, 378.   | 2.6 | 7         |
| 551 | Presenting and exploring biological pathways with PathVisio. BMC Bioinformatics, 2008, 9, 399.   | 2.6 | 305       |
| 552 | Meta-analysis of breast cancer microarray studies in conjunction with conserved cis-elements suggest patterns for coordinate regulation. BMC Bioinformatics, 2008, 9, 63.                            | 2.6 | 41        |
| 553 | Improving the power for detecting overlapping genes from multiple DNA microarray-derived gene lists. BMC Bioinformatics, 2008, 9, S14.   | 2.6 | 14        |
| 554 | From microarray to biology: an integrated experimental, statistical and in silico analysis of how the extracellular matrix modulates the phenotype of cancer cells. BMC Bioinformatics, 2008, 9, S4. | 2.6 | 15        |
| 555 | Coordinated evolution of co-expressed gene clusters in the Drosophila transcriptome. BMC Evolutionary Biology, 2008, 8, 2.   | 3.2 | 30        |
| 556 | MADIBA: A web server toolkit for biological interpretation of Plasmodium and plant gene clusters. BMC Genomics, 2008, 9, 105.  | 2.8 | 21        |
| 557 | Transcriptome analysis identifies pathways associated with enhanced maternal performance in QSi5 mice. BMC Genomics, 2008, 9, 197.   | 2.8 | 18        |
| 558 | In vivo gene expression profiling of human intestinal epithelial cells: analysis by laser microdissection of formalin fixed tissues. BMC Genomics, 2008, 9, 209.                                     | 2.8 | 45        |
| 559 | Genomic analysis of post-mating changes in the honey bee queen ( <i>Apis mellifera</i> ). BMC Genomics, 2008, 9, 232.  | 2.8 | 116       |
| 560 | Transcriptome profiling of developmental and xenobiotic responses in a keystone soil animal, the oligochaete annelid <i>Lumbricus rubellus</i> . BMC Genomics, 2008, 9, 266.                         | 2.8 | 93        |
| 561 | Functional characterization of endogenous siRNA target genes in <i>Caenorhabditis elegans</i> . BMC Genomics, 2008, 9, 270.  | 2.8 | 19        |
| 562 | Sources of variation in baseline gene expression levels from toxicogenomics study control animals across multiple laboratories. BMC Genomics, 2008, 9, 285.  | 2.8 | 76        |
| 563 | Meta-analysis of nasopharyngeal carcinoma microarray data explores mechanism of EBV-regulated neoplastic transformation. BMC Genomics, 2008, 9, 322.   | 2.8 | 17        |
| 564 | Evolutionary conservation of zinc finger transcription factor binding sites in promoters of genes co-expressed with WT1 in prostate cancer. BMC Genomics, 2008, 9, 337.                              | 2.8 | 21        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 565 | Development of a human mitochondrial oligonucleotide microarray (h-MitoArray) and gene expression analysis of fibroblast cell lines from 13 patients with isolated F1Fo ATP synthase deficiency. BMC Genomics, 2008, 9, 38. | 2.8 | 22        |
| 566 | Prioritizing genes of potential relevance to diseases affected by sex hormones: an example of Myasthenia Gravis. BMC Genomics, 2008, 9, 481.  | 2.8 | 8         |
| 567 | Transcriptional response of Mexican axolotls to Ambystoma tigrinum virus (ATV) infection. BMC Genomics, 2008, 9, 493.   | 2.8 | 40        |
| 568 | Gene expression profiling in chicken heterophils with Salmonella enteritidis stimulation using a chicken 44 K Agilent microarray. BMC Genomics, 2008, 9, 526.   | 2.8 | 73        |
| 569 | Transcriptional response of rat frontal cortex following acute In Vivo exposure to the pyrethroid insecticides permethrin and deltamethrin. BMC Genomics, 2008, 9, 546.   | 2.8 | 19        |
| 570 | Characterization of a newly developed chicken 44K Agilent microarray. BMC Genomics, 2008, 9, 60.  | 2.8 | 68        |
| 571 | Activation of counter-regulatory mechanisms in a rat renal acute rejection model. BMC Genomics, 2008, 9, 71.  | 2.8 | 24        |
| 572 | Analysis of the retinal gene expression profile after hypoxic preconditioning identifies candidate genes for neuroprotection. BMC Genomics, 2008, 9, 73.  | 2.8 | 56        |
| 573 | Effect of thyroid hormone concentration on the transcriptional response underlying induced metamorphosis in the Mexican axolotl (Ambystoma). BMC Genomics, 2008, 9, 78.   | 2.8 | 37        |
| 574 | Divergence of canonical danger signals: The genome-level expression patterns of human mononuclear cells subjected to heat shock or lipopolysaccharide. BMC Immunology, 2008, 9, 24.   | 2.2 | 16        |
| 575 | Persistent changes in spinal cord gene expression after recovery from inflammatory hyperalgesia: A preliminary study on pain memory. BMC Neuroscience, 2008, 9, 32.   | 1.9 | 23        |
| 576 | Different gene-expression profiles for the poorly differentiated carcinoma and the highly differentiated papillary adenocarcinoma in mammary glands support distinct metabolic pathways. BMC Cancer, 2008, 8, 270.          | 2.6 | 10        |
| 577 | Differential gene expression associated with postnatal equine articular cartilage maturation. BMC Musculoskeletal Disorders, 2008, 9, 149.  | 1.9 | 38        |
| 578 | Constructing disease-specific gene networks using pair-wise relevance metric: Application to colon cancer identifies interleukin 8, desmin and enolase 1 as the central elements. BMC Systems Biology, 2008, 2, 72.         | 3.0 | 64        |
| 579 | Global gene expression profiling of oral cavity cancers suggests molecular heterogeneity within anatomic subsites. BMC Research Notes, 2008, 1, 113.  | 1.4 | 46        |
| 580 | Using support vector regression to model the correlation between the clinical metastases time and gene expression profile for breast cancer. Artificial Intelligence in Medicine, 2008, 44, 221-231.                        | 6.5 | 16        |
| 581 | Role of copper,zinc-superoxide dismutase in catalyzing nitrotyrosine formation in murine liver. Free Radical Biology and Medicine, 2008, 45, 611-618.   | 2.9 | 36        |
| 582 | BioLattice: A framework for the biological interpretation of microarray gene expression data using concept lattice analysis. Journal of Biomedical Informatics, 2008, 41, 232-241.  | 4.3 | 13        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 583 | Temporal Profiling of the Chromatin Proteome Reveals System-wide Responses to Replication Inhibition. <i>Current Biology</i> , 2008, 18, 838-843.   | 3.9 | 36        |
| 584 | Nexus Between Epidermolysis Bullosa and Transcriptional Regulation by Thyroid Hormone in Epidermal Keratinocytes. <i>Clinical and Translational Science</i> , 2008, 1, 45-49.   | 3.1 | 9         |
| 585 | Genomic effects of once-weekly, intramuscular interferon- $\beta$ 21a treatment after the first dose and on chronic dosing: Relationships to 5-year clinical outcomes in multiple sclerosis patients. <i>Journal of Neuroimmunology</i> , 2008, 205, 113-125. | 2.3 | 34        |
| 586 | Diabetic neuropathy: Mechanisms to management. , 2008, 120, 1-34.   |     | 588       |
| 587 | Response of human renal tubular cells to cyclosporine and sirolimus: A toxicogenomic study. <i>Toxicology and Applied Pharmacology</i> , 2008, 229, 184-196.  | 2.8 | 51        |
| 588 | Gene expression profiling in rat liver treated with compounds inducing phospholipidosis. <i>Toxicology and Applied Pharmacology</i> , 2008, 229, 290-299.   | 2.8 | 54        |
| 589 | Gene expression profiles modulated by the human carcinogen aristolochic acid I in human cancer cells and their dependence on TP53. <i>Toxicology and Applied Pharmacology</i> , 2008, 232, 86-98.   | 2.8 | 32        |
| 590 | Mutation of miRNA target sequences during human evolution. <i>Trends in Genetics</i> , 2008, 24, 262-265.   | 6.7 | 23        |
| 591 | Transcriptional dysregulation in a transgenic model of Parkinson disease. <i>Neurobiology of Disease</i> , 2008, 29, 515-528.   | 4.4 | 62        |
| 593 | p66Shc Deletion Confers Vascular Protection in Advanced Atherosclerosis in Hypercholesterolemic Apolipoprotein E Knockout Mice. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2008, 15, 276-287.   | 1.7 | 49        |
| 594 | The chemokine interleukin-8 and the surface activation protein CD69 are markers for Bcr-Abl activity in chronic myeloid leukemia. <i>Molecular Oncology</i> , 2008, 2, 272-281.   | 4.6 | 27        |
| 595 | Altered Expression of Muscle- and Cytoskeleton-Related Genes in a Rat Strain With Inherited Cryptorchidism. <i>Journal of Andrology</i> , 2008, 29, 352-366.  | 2.0 | 36        |
| 596 | WGCNA: an R package for weighted correlation network analysis. <i>BMC Bioinformatics</i> , 2008, 9, 559.  | 2.6 | 17,294    |
| 597 | Comprehensive analysis of the mouse renal cortex using two-dimensional HPLC tandem mass spectrometry. <i>Proteome Science</i> , 2008, 6, 15.  | 1.7 | 21        |
| 598 | Identification of differentially expressed proteins in spontaneous thymic lymphomas from knockout mice with deletion of p53. <i>Proteome Science</i> , 2008, 6, 18.   | 1.7 | 13        |
| 599 | Differentiation of two types of mobilized peripheral blood stem cells by microRNA and cDNA expression analysis. <i>Journal of Translational Medicine</i> , 2008, 6, 39.   | 4.4 | 77        |
| 600 | On the necessity of different statistical treatment for Illumina BeadChip and Affymetrix GeneChip data and its significance for biological interpretation. <i>Biology Direct</i> , 2008, 3, 23.   | 4.6 | 14        |
| 601 | In silico regulatory analysis for exploring human disease progression. <i>Biology Direct</i> , 2008, 3, 24.   | 4.6 | 6         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 602 | Comparative Transcriptional Analysis of Embryoid Body Versus Two-Dimensional Differentiation of Murine Embryonic Stem Cells. <i>Tissue Engineering - Part A</i> , 2008, 14, 1603-1614.  | 3.1 | 11        |
| 603 | Protein Expression Profile of the Mouse Metaphase-II Oocyte. <i>Journal of Proteome Research</i> , 2008, 7, 4821-4830.  | 3.7 | 56        |
| 604 | Spectral Index for Assessment of Differential Protein Expression in Shotgun Proteomics. <i>Journal of Proteome Research</i> , 2008, 7, 845-854.   | 3.7 | 97        |
| 605 | Network-based global inference of human disease genes. <i>Molecular Systems Biology</i> , 2008, 4, 189.   | 7.2 | 583       |
| 606 | Boolean implication networks derived from large scale, whole genome microarray datasets. <i>Genome Biology</i> , 2008, 9, R157.   | 9.6 | 108       |
| 607 | Variations in the transcriptome of Alzheimer's disease reveal molecular networks involved in cardiovascular diseases. <i>Genome Biology</i> , 2008, 9, R148.  | 9.6 | 94        |
| 608 | Systematic bioinformatic analysis of expression levels of 17,330 human genes across 9,783 samples from 175 types of healthy and pathological tissues. <i>Genome Biology</i> , 2008, 9, R139.  | 9.6 | 234       |
| 609 | Histone deacetylase inhibition accelerates the early events of stem cell differentiation: transcriptomic and epigenetic analysis. <i>Genome Biology</i> , 2008, 9, R65.   | 9.6 | 86        |
| 610 | A sequence-based survey of the complex structural organization of tumor genomes. <i>Genome Biology</i> , 2008, 9, R59.  | 9.6 | 31        |
| 611 | Novel insights into the relationships between dendritic cell subsets in human and mouse revealed by genome-wide expression profiling. <i>Genome Biology</i> , 2008, 9, R17.   | 9.6 | 472       |
| 612 | Genomic chart guiding embryonic stem cell cardiopoiesis. <i>Genome Biology</i> , 2008, 9, R6.   | 9.6 | 66        |
| 613 | Application of a Global Proteomic Approach to Archival Precursor Lesions: Deleted in Malignant Brain Tumors 1 and Tissue Transglutaminase 2 Are Upregulated in Pancreatic Cancer Precursors. <i>Pancreatology</i> , 2008, 8, 608-616. | 1.1 | 48        |
| 614 | A Comprehensive Negative Regulatory Program Controlled by Brn3b to Ensure Ganglion Cell Specification from Multipotential Retinal Precursors. <i>Journal of Neuroscience</i> , 2008, 28, 3392-3403.                                   | 3.6 | 80        |
| 615 | Effects of the Proteasome Inhibitor Bortezomib on Gene Expression Profiles of Pancreatic Cancer Cells. <i>Journal of Surgical Research</i> , 2008, 145, 111-123.  | 1.6 | 30        |
| 616 | MicroRNA-10a Binds the 5'UTR of Ribosomal Protein mRNAs and Enhances Their Translation. <i>Molecular Cell</i> , 2008, 30, 460-471.  | 9.7 | 1,168     |
| 617 | A Role for Mammalian Sin3 in Permanent Gene Silencing. <i>Molecular Cell</i> , 2008, 32, 359-370.   | 9.7 | 112       |
| 618 | Transcriptome of retrovirally transduced CD8+ lymphocytes: Influence of cell activation, transgene integration, and selection process. <i>Molecular Immunology</i> , 2008, 45, 1112-1125.   | 2.2 | 7         |
| 619 | Exposure to brominated flame retardant PBDE-99 affects cytoskeletal protein expression in the neonatal mouse cerebral cortex. <i>NeuroToxicology</i> , 2008, 29, 628-637.   | 3.0 | 62        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 620 | The application of proteomics for studying the neurorescue activity of the polyphenol (â~)-epigallocatechin-3-gallate. Archives of Biochemistry and Biophysics, 2008, 476, 152-160.  | 3.0  | 34        |
| 621 | Exploring functional genomics for drug target and therapeutics discovery in Plasmodia. Acta Tropica, 2008, 105, 113-123.   | 2.0  | 17        |
| 622 | Microarray analysis of gene expression in granulosa cells from persistent follicles in cattle. Animal Reproduction Science, 2008, 104, 405-413.  | 1.5  | 8         |
| 623 | The role of mtDNA mutations in the pathogenesis of age-related hearing loss in mice carrying a mutator DNA polymerase Î³. Neurobiology of Aging, 2008, 29, 1080-1092.  | 3.1  | 83        |
| 624 | Genomic Anatomy of the Hippocampus. Neuron, 2008, 60, 1010-1021.   | 8.1  | 337       |
| 625 | Sequential and concerted gene expression changes in a chronic in vitro model of parkinsonism. Neuroscience, 2008, 152, 198-207.  | 2.3  | 10        |
| 626 | Microarray analysis of mdx mice expressing high levels of utrophin: Therapeutic implications for dystrophin deficiency. Neuromuscular Disorders, 2008, 18, 239-247.  | 0.6  | 25        |
| 627 | Contrast between cardiac left ventricle and diaphragm muscle in expression of genes involved in carbohydrate and lipid metabolism. Respiratory Physiology and Neurobiology, 2008, 161, 41-53.  | 1.6  | 9         |
| 628 | Challenges in plant cellular pathway reconstruction based on gene expression profiling. Trends in Plant Science, 2008, 13, 44-50.  | 8.8  | 20        |
| 629 | Misexpression of MIA disrupts lung morphogenesis and causes neonatal death. Developmental Biology, 2008, 316, 441-455.   | 2.0  | 13        |
| 630 | High-Throughput Screening Assay for the Identification of Compounds Regulating Self-Renewal and Differentiation in Human Embryonic Stem Cells. Cell Stem Cell, 2008, 2, 602-612.   | 11.1 | 211       |
| 631 | Characterization of Dental Pulp Stem Cells of Human Tooth Germs. Journal of Dental Research, 2008, 87, 676-681.  | 5.2  | 117       |
| 632 | Nutrition-induced catch-up growth increases hypoxia inducible factor 1Î± RNA levels in the growth plate. Bone, 2008, 42, 505-515.  | 2.9  | 35        |
| 633 | Gene expression in women conceiving spontaneously over the age of 45 years. Fertility and Sterility, 2008, 89, 1641-1650.  | 1.0  | 15        |
| 634 | Celecoxib pre-treatment in human colorectal adenocarcinoma patients is associated with gene expression alterations suggestive of diminished cellular proliferation. European Journal of Cancer, 2008, 44, 1754-1760.                                       | 2.8  | 28        |
| 635 | Modulation of expression of RA-regulated genes by the oncoprotein v-erbA. Gene, 2008, 425, 23-27.  | 2.2  | 7         |
| 636 | Analysis of Sus scrofa liver proteome and identification of proteins differentially expressed between genders, and conventional and genetically enhanced lines. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2008, 3, 234-242. | 1.0  | 19        |
| 637 | Genome-Wide Identification of Smad/Foxh1 Targets Reveals a Role for Foxh1 in Retinoic Acid Regulation and Forebrain Development. Developmental Cell, 2008, 14, 411-423.  | 7.0  | 51        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 638 | Heterogeneity of Human Macrophages in Culture and in Atherosclerotic Plaques. American Journal of Pathology, 2008, 172, 1112-1126.   | 3.8 | 213       |
| 639 | Cross-Species Comparison of Human and Mouse Intestinal Polyps Reveals Conserved Mechanisms in Adenomatous Polyposis Coli (APC)-Driven Tumorigenesis. American Journal of Pathology, 2008, 172, 1363-1380.  | 3.8 | 71        |
| 640 | Gene expression profiling of nonalcoholic steatohepatitis using gene set enrichment analysis. Hepatology Research, 2008, 38, 1204-1212.  | 3.4 | 29        |
| 641 | New Two-Photon Activated Photodynamic Therapy Sensitizers Induce Xenograft Tumor Regressions after Near-IR Laser Treatment through the Body of the Host Mouse. Clinical Cancer Research, 2008, 14, 6564-6573.  | 7.0 | 229       |
| 642 | Effect of Dietary Calcium and Dairy Proteins on the Adipose Tissue Gene Expression Profile in Diet-Induced Obesity. Journal of Nutrigenetics and Nutrigenomics, 2008, 1, 240-251.  | 1.3 | 24        |
| 643 | Genetic Network Analysis of Human CD34+ Hematopoietic Stem/Precursor Cells. Taiwanese Journal of Obstetrics and Gynecology, 2008, 47, 422-430.   | 1.3 | 5         |
| 644 | Chromosomal Instability Is Associated with Higher Expression of Genes Implicated in Epithelial-Mesenchymal Transition, Cancer Invasiveness, and Metastasis and with Lower Expression of Genes Involved in Cell Cycle Checkpoints, DNA Repair, and Chromatin Maintenance. Neoplasia, 2008, 10, 1222-1226. | 5.3 | 37        |
| 645 | GOMA: Web utility for direct finding of enriched Gene Ontology terms from gene expression profile. , 2008, , .   |     | 0         |
| 646 | Age-Dependent Signature of Metallothionein Expression in Primary CD4 T Cell Responses Is Due to Sustained Zinc Signaling. Rejuvenation Research, 2008, 11, 1001-1011.  | 1.8 | 39        |
| 647 | Expression profiling reveals specific gene expression signatures in gastric MALT lymphomas. Leukemia and Lymphoma, 2008, 49, 974-983.  | 1.3 | 20        |
| 648 | Gene Expression Profiling of Porcine Alveolar Macrophages After Antibody-Mediated Cross-Linking of Sialoadhesin (Sn, Siglec-1). Journal of Receptor and Signal Transduction Research, 2008, 28, 185-243.   | 2.5 | 8         |
| 649 | Gene network dynamics controlling keratinocyte migration. Molecular Systems Biology, 2008, 4, 199.   | 7.2 | 52        |
| 650 | Significance Analysis of Spectral Count Data in Label-free Shotgun Proteomics. Molecular and Cellular Proteomics, 2008, 7, 2373-2385.  | 3.8 | 344       |
| 651 | E2F in vivo binding specificity: Comparison of consensus versus nonconsensus binding sites. Genome Research, 2008, 18, 1763-1777.  | 5.5 | 121       |
| 652 | Chondrogenic Differentiation of Human Mesenchymal Stem Cells in Three-Dimensional Alginate Gels. Tissue Engineering - Part A, 2008, 14, 667-680.   | 3.1 | 181       |
| 653 | Evaluation of Gene Expression in a Single Antibiotic Exposure—Derived Isolate of <i>Salmonella enterica</i> Typhimurium 14028 Possessing Resistance to Multiple Antibiotics. Foodborne Pathogens and Disease, 2008, 5, 205-221.  | 1.8 | 16        |
| 654 | Genomic evolution of the placenta using co-option and duplication and divergence. Genome Research, 2008, 18, 695-705.  | 5.5 | 108       |
| 655 | Using ChIP-chip technology to reveal common principles of transcriptional repression in normal and cancer cells. Genome Research, 2008, 18, 521-532.   | 5.5 | 44        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 656 | Methylmercury Activates Enhancer-of-Split and Bearded Complex Genes Independent of the Notch Receptor. <i>Toxicological Sciences</i> , 2008, 104, 163-176.  | 3.1  | 29        |
| 657 | Specific DNA-binding by Apicomplexan AP2 transcription factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8393-8398.  | 7.1  | 216       |
| 658 | Glucocorticoid Signaling Defines a Novel Commitment State during Adipogenesis <i>In Vitro</i> . <i>Molecular Biology of the Cell</i> , 2008, 19, 4032-4041.   | 2.1  | 120       |
| 659 | Annotation-Modules: a tool for finding significant combinations of multisource annotations for gene lists. <i>Bioinformatics</i> , 2008, 24, 1386-1393.   | 4.1  | 32        |
| 660 | Transcriptome Profile of the Vascular Endothelial Cell Response to <i>Candida albicans</i> . <i>Journal of Infectious Diseases</i> , 2008, 198, 193-202.  | 4.0  | 39        |
| 661 | Gene Expression of Endothelial Cells due to Interleukin-1 Beta Stimulation and Neutrophil Transmigration. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2008, 15, 73-84.   | 1.7  | 32        |
| 662 | Variations in the progranulin gene affect global gene expression in frontotemporal lobar degeneration. <i>Human Molecular Genetics</i> , 2008, 17, 1349-1362.   | 2.9  | 121       |
| 663 | Dissection of a QTL Hotspot on Mouse Distal Chromosome 1 that Modulates Neurobehavioral Phenotypes and Gene Expression. <i>PLoS Genetics</i> , 2008, 4, e1000260.   | 3.5  | 98        |
| 664 | Epithelial-to-Mesenchymal Transition in Early Transplant Tubulointerstitial Damage. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 1571-1583.   | 6.1  | 47        |
| 665 | Genomic Analysis of Drosophila Neuronal Remodeling: A Role for the RNA-Binding Protein Boule as a Negative Regulator of Axon Pruning. <i>Journal of Neuroscience</i> , 2008, 28, 6092-6103.   | 3.6  | 46        |
| 666 | Conditional Deletion of <i>Smad1</i> and <i>Smad5</i> in Somatic Cells of Male and Female Gonads Leads to Metastatic Tumor Development in Mice. <i>Molecular and Cellular Biology</i> , 2008, 28, 248-257.                                      | 2.3  | 189       |
| 667 | Sex and Age Dimorphism of Myocardial Gene Expression in Nonischemic Human Heart Failure. <i>Circulation: Cardiovascular Genetics</i> , 2008, 1, 117-125.  | 5.1  | 48        |
| 668 | Regulation of liver regeneration and hepatocarcinogenesis by suppressor of cytokine signaling 3. <i>Journal of Experimental Medicine</i> , 2008, 205, 91-103.   | 8.5  | 165       |
| 669 | MassNet: a functional annotation service for protein mass spectrometry data. <i>Nucleic Acids Research</i> , 2008, 36, W491-W495.   | 14.5 | 9         |
| 670 | Genome-Wide Profiling of Antigen-Induced Time Course Expression Using Murine Models for Acute and Chronic Asthma. <i>International Archives of Allergy and Immunology</i> , 2008, 146, 44-56.   | 2.1  | 17        |
| 671 | Proteomic and Computational Analysis of Bronchoalveolar Proteins during the Course of the Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 701-709.                          | 5.6  | 73        |
| 672 | Peripheral Blood Gene Expression Profile Associated with Sustained Virologic Response after Peginterferon Plus Ribavirin Therapy for Chronic Hepatitis-C Genotype 1. <i>Journal of the National Medical Association</i> , 2008, 100, 1425-1433. | 0.8  | 8         |
| 673 | Antioxidants increase number of progenitor endothelial cells through multiple gene expression pathways. <i>Free Radical Research</i> , 2008, 42, 754-762.   | 3.3  | 38        |



| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 674 | Molecular Basis for Cold-Intolerant Yang-Deficient Constitution of Traditional Chinese Medicine. The American Journal of Chinese Medicine, 2008, 36, 827-834.   | 3.8  | 45        |
| 675 | Effects of a Black Raspberry Diet on Gene Expression in the Rat Esophagus. Nutrition and Cancer, 2008, 60, 61-69.   | 2.0  | 45        |
| 676 | Reduced Nicotinamide Adenine Dinucleotide Phosphate Oxidase-Independent Resistance to <i>Aspergillus fumigatus</i> in Alveolar Macrophages. Journal of Immunology, 2008, 180, 6854-6867.  | 0.8  | 45        |
| 677 | Genome-wide analysis reveals Sall4 to be a major regulator of pluripotency in murine-embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19756-19761.                       | 7.1  | 179       |
| 678 | PPAR $\beta$ and C/EBP factors orchestrate adipocyte biology via adjacent binding on a genome-wide scale. Genes and Development, 2008, 22, 2941-2952.   | 5.9  | 690       |
| 679 | Expression Analysis of Barrett's Esophagus-Associated High-Grade Dysplasia in Laser Capture Microdissected Archival Tissue. Clinical Cancer Research, 2008, 14, 6440-6448.  | 7.0  | 30        |
| 680 | Comparisons of tyrosine phosphorylated proteins in cells expressing lung cancer-specific alleles of EGFR and KRAS. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14112-14117.               | 7.1  | 113       |
| 681 | Transcriptome of Hypoxic Immature Dendritic Cells: Modulation of Chemokine/Receptor Expression. Molecular Cancer Research, 2008, 6, 175-185.  | 3.4  | 94        |
| 682 | Promoter ChIP-chip analysis in mouse testis reveals Y chromosome occupancy by HSF2. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11224-11229.  | 7.1  | 66        |
| 683 | Mutation of ERBB2 Provides a Novel Alternative Mechanism for the Ubiquitous Activation of RAS-MAPK in Ovarian Serous Low Malignant Potential Tumors. Molecular Cancer Research, 2008, 6, 1678-1690.                                       | 3.4  | 108       |
| 684 | Identification of cancer genes using a statistical framework for multiexperiment analysis of nondiscretized array CGH data. Nucleic Acids Research, 2008, 36, e13-e13.  | 14.5 | 62        |
| 685 | Global Gene Expression as a Function of the Iron Status of the Bacterial Cell: Influence of Differentially Expressed Genes in the Virulence of the Human Pathogen <i>Vibrio vulnificus</i> . Infection and Immunity, 2008, 76, 4019-4037. | 2.2  | 78        |
| 686 | Pleiotropic Effects of <i>Drosophila</i> <i>neuralized</i> on Complex Behaviors and Brain Structure. Genetics, 2008, 179, 1327-1336.  | 2.9  | 32        |
| 687 | Dysregulation of miRNA 181b in the temporal cortex in schizophrenia. Human Molecular Genetics, 2008, 17, 1156-1168.   | 2.9  | 312       |
| 688 | Distinct genomic signatures of adaptation in pre- and postnatal environments during human evolution. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3215-3220.                               | 7.1  | 61        |
| 689 | Aquaporin-1 knockout mice and polycystic kidney disease animals share a common mechanism of cyst formation. FASEB Journal, 2008, 22, 3672-3684.   | 0.5  | 47        |
| 690 | Exon-Level Expression Profiling: A Comprehensive Transcriptome Analysis of Oral Fluids. Clinical Chemistry, 2008, 54, 824-832.  | 3.2  | 66        |
| 691 | Label-free Quantitative Analysis of One-dimensional PAGE LC/MS/MS Proteome. Molecular and Cellular Proteomics, 2008, 7, 2399-2409.  | 3.8  | 87        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 692 | Kruppel-like factor 5 is required for perinatal lung morphogenesis and function. <i>Development (Cambridge)</i> , 2008, 135, 2563-2572.   | 2.5 | 113       |
| 693 | Comparative hepatic gene expression profiling of rats treated with 1H,1H,2H,2H-heptadecafluorodecan-1-ol or with pentadecafluorooctanoic acid. <i>Physiological Genomics</i> , 2008, 34, 285-303.                   | 2.3 | 8         |
| 694 | Liver Genomic Responses to Ciguatoxin: Evidence for Activation of Phase I and Phase II Detoxification Pathways following an Acute Hypothermic Response in Mice. <i>Toxicological Sciences</i> , 2008, 103, 298-310. | 3.1 | 29        |
| 695 | An Integrated Approach for the Analysis of Biological Pathways using Mixed Models. <i>PLoS Genetics</i> , 2008, 4, e1000115.  | 3.5 | 59        |
| 696 | Integrating Global Gene Expression Analysis and Genetics. <i>Advances in Genetics</i> , 2008, 60, 571-601.  | 1.8 | 48        |
| 697 | Gene expression profile in labouring and non-labouring human placenta near term. <i>Molecular Human Reproduction</i> , 2008, 14, 61-65.   | 2.8 | 29        |
| 698 | Comparative Toxicogenomic Examination of the Hepatic Effects of PCB126 and TCDD in Immature, Ovariectomized C57BL/6 Mice. <i>Toxicological Sciences</i> , 2008, 102, 61-75.   | 3.1 | 32        |
| 699 | Molecular properties of side population-sorted cells from mouse small intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, G286-G294.   | 3.4 | 29        |
| 700 | TERT Promotes Epithelial Proliferation through Transcriptional Control of a Myc- and Wnt-Related Developmental Program. <i>PLoS Genetics</i> , 2008, 4, e10.  | 3.5 | 283       |
| 701 | Global gene expression profiles of ovarian surface epithelial cells in vivo. <i>Journal of Molecular Endocrinology</i> , 2008, 40, 281-296.   | 2.5 | 13        |
| 702 | Chondroitin sulfate disaccharide stimulates microglia to adopt a novel regulatory phenotype. <i>Journal of Leukocyte Biology</i> , 2008, 84, 736-740.   | 3.3 | 38        |
| 703 | Gene microarray analysis of human renal cell carcinoma: The effects of HDAC inhibition and retinoid treatment. <i>Cancer Biology and Therapy</i> , 2008, 7, 1607-1618.  | 3.4 | 32        |
| 704 | Validating the genomic signature of pediatric septic shock. <i>Physiological Genomics</i> , 2008, 34, 127-134.  | 2.3 | 94        |
| 705 | Carcinogen-Altered Genes in Rat Esophagus Positively Modulated to Normal Levels of Expression by Both Black Raspberries and Phenylethyl Isothiocyanate. <i>Cancer Research</i> , 2008, 68, 6460-6467.               | 0.9 | 48        |
| 706 | The Mediator Subunit MDT-15 Confers Metabolic Adaptation to Ingested Material. <i>PLoS Genetics</i> , 2008, 4, e1000021.  | 3.5 | 100       |
| 707 | AML1/ETO Oncoprotein Is Directed to AML1 Binding Regions and Co-Localizes with AML1 and HEB on Its Targets. <i>PLoS Genetics</i> , 2008, 4, e1000275.   | 3.5 | 67        |
| 708 | Transcriptome response of enterocytes to dietary lipids: impact on cell architecture, signaling, and metabolism genes. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, G942-G952.             | 3.4 | 13        |
| 709 | Immune responses to <i>Pneumocystis murina</i> are robust in healthy mice but largely absent in CD40 ligand-deficient mice. <i>Journal of Leukocyte Biology</i> , 2008, 84, 420-430.                                | 3.3 | 35        |



| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 710 | Effect of destrin mutations on the gene expression profile in vivo. <i>Physiological Genomics</i> , 2008, 34, 9-21.   | 2.3  | 32        |
| 711 | An Evolutionarily Conserved Sexual Signature in the Primate Brain. <i>PLoS Genetics</i> , 2008, 4, e1000100.  | 3.5  | 81        |
| 712 | Regulatory Network Analyses Reveal Genome-Wide Potentiation of LIF Signaling by Glucocorticoids and Define an Innate Cell Defense Response. <i>PLoS Genetics</i> , 2008, 4, e1000224.   | 3.5  | 43        |
| 713 | Defective signal transduction in B lymphocytes lacking presenilin proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 979-984.  | 7.1  | 21        |
| 714 | Runx2 Regulates G Protein-coupled Signaling Pathways to Control Growth of Osteoblast Progenitors. <i>Journal of Biological Chemistry</i> , 2008, 283, 27585-27597.  | 3.4  | 114       |
| 715 | Human neural crest cells display molecular and phenotypic hallmarks of stem cells. <i>Human Molecular Genetics</i> , 2008, 17, 3411-3425.   | 2.9  | 87        |
| 716 | Termination of damaged protein repair defines the occurrence of symptoms in carriers of the m.3243A>G tRNA <sup>Leu</sup> mutation. <i>Journal of Medical Genetics</i> , 2008, 45, 525-534.   | 3.2  | 11        |
| 717 | Babelomics: advanced functional profiling of transcriptomics, proteomics and genomics experiments. <i>Nucleic Acids Research</i> , 2008, 36, W341-W346.   | 14.5 | 73        |
| 718 | o,p,p'-DDT Elicits PXR/CAR-, Not ER-, Mediated Responses in the Immature Ovariectomized Rat Liver. <i>Toxicological Sciences</i> , 2008, 101, 350-363.  | 3.1  | 29        |
| 719 | Patterns and changes in gene expression following neo-adjuvant anti-estrogen treatment in estrogen receptor-positive breast cancer. <i>Endocrine-Related Cancer</i> , 2008, 15, 439-449.  | 3.1  | 16        |
| 720 | Ascorbate Peroxidase 1 Plays a Key Role in the Response of <i>Arabidopsis thaliana</i> to Stress Combination. <i>Journal of Biological Chemistry</i> , 2008, 283, 34197-34203.  | 3.4  | 357       |
| 721 | Toxicogenomic Analysis of Gender, Chemical, and Dose Effects in Livers of TCDD- or Aroclor 1254-Exposed Rats Using a Multifactor Linear Model. <i>Toxicological Sciences</i> , 2008, 102, 291-309.  | 3.1  | 35        |
| 722 | ERdj4 and ERdj5 Are Required for Endoplasmic Reticulum-associated Protein Degradation of Misfolded Surfactant Protein C. <i>Molecular Biology of the Cell</i> , 2008, 19, 2620-2630.  | 2.1  | 140       |
| 723 | Differential Effects of Interleukin-2 and Interleukin-15 versus Interleukin-21 on CD4+ Cutaneous T-Cell Lymphoma Cells. <i>Cancer Research</i> , 2008, 68, 1083-1091.   | 0.9  | 79        |
| 724 | Rapid Onset of Intestinal Epithelial Barrier Dysfunction in Primary Human Immunodeficiency Virus Infection Is Driven by an Imbalance between Immune Response and Mucosal Repair and Regeneration. <i>Journal of Virology</i> , 2008, 82, 538-545. | 3.4  | 183       |
| 725 | Phenotype of the <i>Cyp1a1</i> <sup>-/-</sup> <i>1a2</i> <sup>-/-</sup> <i>1b1</i> <sup>-/-</sup> Triple-Knockout Mouse. <i>Molecular Pharmacology</i> , 2008, 73, 1844-1856.   | 2.3  | 61        |
| 726 | MADNet: microarray database network web server. <i>Nucleic Acids Research</i> , 2008, 36, W332-W335.  | 14.5 | 8         |
| 727 | A hidden spatial-temporal Markov random field model for network-based analysis of time course gene expression data. <i>Annals of Applied Statistics</i> , 2008, 2, .  | 1.1  | 51        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 728 | Acute Rejection Modulates Gene Expression in the Collecting Duct. Journal of the American Society of Nephrology: JASN, 2008, 19, 538-546.   | 6.1  | 23        |
| 729 | GeneChips in Regenerative Medicine. , 2008, , 562-578.  |      | 2         |
| 730 | A quantitative atlas of mitotic phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10762-10767.   | 7.1  | 1,435     |
| 731 | Dynamic changes in messenger RNA profiles of bovine endometrium during the oestrous cycle. Reproduction, 2008, 135, 225-240.  | 2.6  | 105       |
| 732 | Gene Expression Changes Following Acute Hydrogen Sulfide (H <sub>2</sub> S)-induced Nasal Respiratory Epithelial Injury. Toxicologic Pathology, 2008, 36, 560-567.                                      | 1.8  | 28        |
| 733 | Antagonism of microRNA-122 in mice by systemically administered LNA-anti-miR leads to up-regulation of a large set of predicted target mRNAs in the liver. Nucleic Acids Research, 2008, 36, 1153-1162. | 14.5 | 630       |
| 734 | Quantitative gene expression profiling of mouse brain regions reveals differential transcripts conserved in human and affected in disease models. Physiological Genomics, 2008, 33, 170-179.            | 2.3  | 40        |
| 735 | Loss of E-Cadherin Promotes Metastasis via Multiple Downstream Transcriptional Pathways. Cancer Research, 2008, 68, 3645-3654.  | 0.9  | 1,298     |
| 736 | Comparison of the Effects of <i>Leishmania major</i> or <i>Leishmania donovani</i> Infection on Macrophage Gene Expression. Infection and Immunity, 2008, 76, 1186-1192.                                | 2.2  | 81        |
| 737 | Identification of the TFII-I family target genes in the vertebrate genome. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9006-9010.                       | 7.1  | 38        |
| 738 | GOEAST: a web-based software toolkit for Gene Ontology enrichment analysis. Nucleic Acids Research, 2008, 36, W358-W363.  | 14.5 | 569       |
| 739 | Constitutively Active Akt Induces Ectodermal Defects and Impaired Bone Morphogenetic Protein Signaling. Molecular Biology of the Cell, 2008, 19, 137-149.   | 2.1  | 27        |
| 740 | Mitochondrial processes are impaired in hereditary inclusion body myopathy. Human Molecular Genetics, 2008, 17, 3663-3674.  | 2.9  | 49        |
| 741 | Analysis of the Mechanisms Mediating Tumor-Specific Changes in Gene Expression in Human Liver Tumors. Cancer Research, 2008, 68, 2641-2651.   | 0.9  | 47        |
| 742 | Sex-Specific Early Growth Hormone Response Genes in Rat Liver. Molecular Endocrinology, 2008, 22, 1962-1974.  | 3.7  | 69        |
| 743 | Rosiglitazone Treatment Reduces Diabetic Neuropathy in Streptozotocin-Treated DBA/2J Mice. Endocrinology, 2008, 149, 4928-4937.   | 2.8  | 53        |
| 744 | Direct targets of the TRP63 transcription factor revealed by a combination of gene expression profiling and reverse engineering. Genome Research, 2008, 18, 939-948.                                    | 5.5  | 72        |
| 745 | Effects of Prenatal Tobacco Exposure on Gene Expression Profiling in Umbilical Cord Tissue. Pediatric Research, 2008, 64, 147-153.  | 2.3  | 11        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 746 | MicroRNA in Acute Myeloid Leukemia. New England Journal of Medicine, 2008, 359, 653-654.   | 27.0 | 2         |
| 747 | Evidence of Key Role of Cdk2 Overexpression in Pemphigus Vulgaris. Journal of Biological Chemistry, 2008, 283, 8736-8745.  | 3.4  | 44        |
| 748 | Curcumin downregulates the inflammatory cytokines CXCL1 and -2 in breast cancer cells via NF $\kappa$ B. Carcinogenesis, 2008, 29, 779-789.  | 2.8  | 196       |
| 749 | Alveolar epithelial cell injury with Epstein-Barr virus upregulates TGF $\beta$ 1 expression. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L451-L460.   | 2.9  | 39        |
| 750 | Translating the COPD Transcriptome: Insights into Pathogenesis and Tools for Clinical Management. Proceedings of the American Thoracic Society, 2008, 5, 834-841.  | 3.5  | 36        |
| 751 | Acute appendicitis is characterized by a uniform and highly selective pattern of inflammatory gene expression. Mucosal Immunology, 2008, 1, 297-308.   | 6.0  | 34        |
| 752 | Predominance of Interferon-Related Responses in the Brain during Murine Malaria, as Identified by Microarray Analysis. Infection and Immunity, 2008, 76, 1812-1824.  | 2.2  | 28        |
| 753 | Colonic gene expression profile in NHE3-deficient mice: evidence for spontaneous distal colitis. American Journal of Physiology - Renal Physiology, 2008, 295, G63-G77.  | 3.4  | 78        |
| 754 | Prioritization of candidate disease genes for metabolic syndrome by computational analysis of its defining phenotypes. Physiological Genomics, 2008, 35, 55-64.  | 2.3  | 21        |
| 755 | Transcriptomic analysis of PPAR $\alpha$ -dependent alterations during cardiac hypertrophy. Physiological Genomics, 2008, 36, 15-23.   | 2.3  | 33        |
| 756 | A novel inhibitor of glucose uptake sensitizes cells to FAS-induced cell death. Molecular Cancer Therapeutics, 2008, 7, 3546-3555.   | 4.1  | 155       |
| 757 | CD4 <sup>+</sup> T-Cell Decline after the Interruption of Antiretroviral Therapy in ACTG A5170 Is Predicted by Differential Expression of Genes in the Ras Signaling Pathway. AIDS Research and Human Retroviruses, 2008, 24, 1047-1066.     | 1.1  | 9         |
| 758 | Broad Modulation of Gene Expression in CD4 <sup>+</sup> Lymphocyte Subpopulations in Response to Low Doses of Ionizing Radiation. Radiation Research, 2008, 170, 335-344.  | 1.5  | 32        |
| 759 | Genome-wide profiling of PPAR $\gamma$ :RXR and RNA polymerase II occupancy reveals temporal activation of distinct metabolic pathways and changes in RXR dimer composition during adipogenesis. Genes and Development, 2008, 22, 2953-2967. | 5.9  | 475       |
| 760 | The MHC class I peptide repertoire is molded by the transcriptome. Journal of Experimental Medicine, 2008, 205, 595-610.   | 8.5  | 174       |
| 761 | Network-Constrained Support Vector Machine for Classification. , 2008, , .   |      | 0         |
| 762 | Phenotype reversion in fetal human liver epithelial cells identifies the role of an intermediate meso-endodermal stage before hepatic maturation. Journal of Cell Science, 2008, 121, 1002-1013.   | 2.0  | 35        |
| 763 | Safety Evaluation of the Aqueous Extract Kothala Himbutu ( <i>Salacia reticulata</i> ) Stem in the Hepatic Gene Expression Profile of Normal Mice Using DNA Microarrays. Bioscience, Biotechnology and Biochemistry, 2008, 72, 3075-3083.    | 1.3  | 14        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 764 | Goatâ€™s Î±S1-casein polymorphism affects gene expression profile of lactating mammary gland. <i>Animal</i> , 2008, 2, 566-573.  | 3.3 | 26        |
| 765 | Microarray Analysis of Distinct Gene Transcription Profiles in Non-eosinophilic Chronic Sinusitis with Nasal Polyps. <i>American Journal of Rhinology &amp; Allergy</i> , 2008, 22, 568-581.                       | 2.2 | 35        |
| 766 | Zinc-controlled gene expression by metal-regulatory transcription factor 1 (MTF1) in a model vertebrate, the zebrafish. <i>Biochemical Society Transactions</i> , 2008, 36, 1252-1257.                             | 3.4 | 60        |
| 767 | Mutation of C/EBPÎ± predisposes to the development of myeloid leukemia in a retroviral insertional mutagenesis screen. <i>Blood</i> , 2008, 111, 4309-4321.  | 1.4 | 11        |
| 768 | Discovery of agents that eradicate leukemia stem cells using an in silico screen of public gene expression data. <i>Blood</i> , 2008, 111, 5654-5662.  | 1.4 | 175       |
| 769 | Genetic associations with thalidomide mediated venous thrombotic events in myeloma identified using targeted genotyping. <i>Blood</i> , 2008, 112, 4924-4934.  | 1.4 | 65        |
| 770 | Iron regulates phosphorylation of Smad1/5/8 and gene expression of Bmp6, Smad7, Id1, and Atoh8 in the mouse liver. <i>Blood</i> , 2008, 112, 1503-1509.  | 1.4 | 401       |
| 771 | MicroRNA expression profiling in classic Hodgkin lymphoma. <i>Blood</i> , 2008, 111, 2825-2832.  | 1.4 | 161       |
| 772 | Gene Expression Profiling Reveals Complex Changes in the Olfactory Bulbectomy Model of Depression After Chronic Treatment With Antidepressants. <i>Journal of Pharmacological Sciences</i> , 2008, 108, 320-334.   | 2.5 | 12        |
| 773 | p53â€™repressed miRNAs are involved with E2F in a feedâ€™forward loop promoting proliferation. <i>Molecular Systems Biology</i> , 2008, 4, 229.  | 7.2 | 138       |
| 774 | Improved Xenogenic Hepatocyte Implantation into Nude Mouse Liver Parenchyma with Acute Liver Failure when Followed by Repeated Anti-Fas Antibody (Jo2) Treatment. <i>Cell Transplantation</i> , 2008, 17, 507-524. | 2.5 | 14        |
| 775 | Genetic Expression Profile During Acute Cellular Rejection in Clinical Intestinal Transplantation. <i>Transplantation</i> , 2008, 86, 998-1001.  | 1.0 | 9         |
| 776 | Topological Properties of Co-Occurrence Networks in Published Gene Expression Signatures. <i>Bioinformatics and Biology Insights</i> , 2008, 2, BBI.S518.  | 2.0 | 3         |
| 777 | Tracking Differential Gene Expression in MRL/MpJ versus C57BL/6 Anergic B Cells: Molecular Markers of Autoimmunity. <i>Biomarker Insights</i> , 2008, 3, BMI.S840.   | 2.5 | 4         |
| 778 | Macrophage and T-Cell Gene Expression in a Model of Early Infection with the Protozoan <i>Leishmania chagasi</i> . <i>PLoS Neglected Tropical Diseases</i> , 2008, 2, e252.  | 3.0 | 45        |
| 779 | Plasticity of the Systemic Inflammatory Response to Acute Infection during Critical Illness: Development of the Riboleukogram. <i>PLoS ONE</i> , 2008, 3, e1564.   | 2.5 | 68        |
| 780 | Concordant Gene Expression in Leukemia Cells and Normal Leukocytes Is Associated with Germline cis-SNPs. <i>PLoS ONE</i> , 2008, 3, e2144.   | 2.5 | 8         |
| 781 | Genome-Wide Analysis of Natural Selection on Human Cis-Elements. <i>PLoS ONE</i> , 2008, 3, e3137.   | 2.5 | 24        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 782 | Identification and Analysis of Co-Occurrence Networks with NetCutter. PLoS ONE, 2008, 3, e3178.   | 2.5 | 20        |
| 783 | STOX1 Overexpression in Choriocarcinoma Cells Mimics Transcriptional Alterations Observed in Preeclamptic Placentas. PLoS ONE, 2008, 3, e3905.  | 2.5 | 60        |
| 784 | Comparison and Identification of Estrogen-Receptor Related Gene Expression Profiles in Breast Cancer of Different Ethnic Origins. Breast Cancer: Basic and Clinical Research, 2008, 1, BCBCR.S626.  | 1.1 | 4         |
| 785 | Bioinformatic Tools for Inferring Functional Information from Plant Microarray Data: Tools for the First Steps. International Journal of Plant Genomics, 2008, 2008, 1-9.                           | 2.2 | 5         |
| 786 | Bioinformatics Tools for Plant Genomics. International Journal of Plant Genomics, 2008, 2008, 1-2.  | 2.2 | 4         |
| 787 | Hedgehog signaling regulates epithelial-mesenchymal transition during biliary fibrosis in rodents and humans. Journal of Clinical Investigation, 2008, 118, 3331-42.                                | 8.2 | 284       |
| 788 | Yeast Features: Identifying Significant Features Shared Among Yeast Proteins for Functional Genomics. Nature Precedings, 2008, , .  | 0.1 | 0         |
| 789 | $\hat{\alpha}$ - and $\hat{\beta}$ -Tocopherol Prevent Age-Related Transcriptional Alterations in the Heart and Brain of Mice <sup>3</sup> . Journal of Nutrition, 2008, 138, 1010-1018.            | 2.9 | 45        |
| 790 | Identification of candidate genes for congenital splay leg in piglets by alternative analysis of DNA microarray data. International Journal of Biological Sciences, 2009, 5, 331-337.               | 6.4 | 13        |
| 791 | Microarray gene expression profiles of fasting induced changes in liver and adipose tissues of pigs expressing the melanocortin-4 receptor D298N variant. Physiological Genomics, 2009, 38, 98-111. | 2.3 | 44        |
| 792 | Identification of differential gene expression during porcine conceptus rapid trophoblastic elongation and attachment to uterine luminal epithelium. Physiological Genomics, 2009, 36, 140-148.     | 2.3 | 81        |
| 793 | GaGa: A parsimonious and flexible model for differential expression analysis. Annals of Applied Statistics, 2009, 3, .  | 1.1 | 14        |
| 794 | Effects of short-term heat stress on endophytic ergot alkaloid-induced alterations in rat hepatic gene expression. Journal of Animal Science, 2009, 87, 3142-3155.                                  | 0.5 | 15        |
| 795 | Differential Gene Expression in <i>Ndph</i> -Knockout Mice in Retinal Development. , 2009, 50, 906.   |     | 45        |
| 796 | Modulated Modularity Clustering as an Exploratory Tool for Functional Genomic Inference. PLoS Genetics, 2009, 5, e1000479.  | 3.5 | 118       |
| 797 | Overexpression of Myocilin in the Drosophila Eye Activates the Unfolded Protein Response: Implications for Glaucoma. PLoS ONE, 2009, 4, e4216.  | 2.5 | 41        |
| 798 | Comparison of Proteomic and Transcriptomic Profiles in the Bronchial Airway Epithelium of Current and Never Smokers. PLoS ONE, 2009, 4, e5043.  | 2.5 | 66        |
| 799 | Transcriptome-Wide Prediction of miRNA Targets in Human and Mouse Using FASTH. PLoS ONE, 2009, 4, e5745.  | 2.5 | 27        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 800 | Impact of the TCR Signal on Regulatory T Cell Homeostasis, Function, and Trafficking. PLoS ONE, 2009, 4, e6580.   | 2.5 | 52        |
| 801 | Genome-Wide mRNA Expression Analysis of Hepatic Adaptation to High-Fat Diets Reveals Switch from an Inflammatory to Steatotic Transcriptional Program. PLoS ONE, 2009, 4, e6646.  | 2.5 | 52        |
| 802 | Induction of Epithelial Mesenchymal Transition and Vasculogenesis in the Lenses of Dbl Oncogene Transgenic Mice. PLoS ONE, 2009, 4, e7058.  | 2.5 | 3         |
| 803 | Global Transcriptional Response to Hfe Deficiency and Dietary Iron Overload in Mouse Liver and Duodenum. PLoS ONE, 2009, 4, e7212.  | 2.5 | 10        |
| 804 | Transcriptional Profiling of Rats Subjected to Gestational Undernourishment: Implications for the Developmental Variations in Metabolic Traits. PLoS ONE, 2009, 4, e7271.   | 2.5 | 33        |
| 805 | Alternative Splicing and Transcriptome Profiling of Experimental Autoimmune Encephalomyelitis Using Genome-Wide Exon Arrays. PLoS ONE, 2009, 4, e7773.  | 2.5 | 20        |
| 806 | Gender Differences in a Drosophila Transcriptomic Model of Chronic Pentylentetrazole Induced Behavioral Deficit. PLoS ONE, 2009, 4, e8136.  | 2.5 | 7         |
| 807 | Global MYCN Transcription Factor Binding Analysis in Neuroblastoma Reveals Association with Distinct E-Box Motifs and Regions of DNA Hypermethylation. PLoS ONE, 2009, 4, e8154.  | 2.5 | 72        |
| 808 | Transcriptomic analysis implicates ribosomal and energy metabolic pathways in antiepileptic drug action in a Drosophila model. Nature Precedings, 2009, , .   | 0.1 | 0         |
| 809 | Investigating Gene and MicroRNA Expression in Glioblastoma. , 2009, , .   |     | 0         |
| 810 | Earthworm genomes, genes and proteins: the (re)discovery of Darwin's worms. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 789-797.  | 2.6 | 38        |
| 811 | Selenoprotein T deficiency alters cell adhesion and elevates selenoprotein W expression in murine fibroblast cells. Biochemistry and Cell Biology, 2009, 87, 953-961.   | 2.0 | 53        |
| 812 | Genome-wide strategies for discovering genetic influences on cognition and cognitive disorders: Methodological considerations. Cognitive Neuropsychiatry, 2009, 14, 391-418.  | 1.3 | 93        |
| 813 | From disease ontology to disease-ontology lite: statistical methods to adapt a general-purpose ontology for the test of gene-ontology associations. Bioinformatics, 2009, 25, i63-i68.  | 4.1 | 99        |
| 814 | Co-inhibition of Plasmodium falciparum S-Adenosylmethionine Decarboxylase/Ornithine Decarboxylase Reveals Perturbation-specific Compensatory Mechanisms by Transcriptome, Proteome, and Metabolome Analyses. Journal of Biological Chemistry, 2009, 284, 4635-4646. | 3.4 | 73        |
| 815 | Transcriptome Profile and Cytogenetic Analysis of Immortalized Neuronally Restricted Progenitor Cells Derived from the Porcine Olfactory Bulb. Animal Biotechnology, 2009, 20, 186-215.   | 1.5 | 1         |
| 816 | Characterization of a Naturally Occurring Breast Cancer Subset Enriched in Epithelial-to-Mesenchymal Transition and Stem Cell Characteristics. Cancer Research, 2009, 69, 4116-4124.  | 0.9 | 768       |
| 817 | Dysregulated gene expression networks in human acute myelogenous leukemia stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3396-3401.  | 7.1 | 253       |



| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 818 | Immune Gene and Cell Enrichment Is Associated with a Good Prognosis in Ependymoma. Journal of Immunology, 2009, 183, 7428-7440.   | 0.8  | 54        |
| 819 | Large-scale detection of ubiquitination substrates using cell extracts and protein microarrays. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2543-2548.                                      | 7.1  | 87        |
| 820 | CLUSTERING OF GENE EXPRESSION DATA AND END-POINT MEASUREMENTS BY SIMULATED ANNEALING. Journal of Bioinformatics and Computational Biology, 2009, 07, 193-215.   | 0.8  | 6         |
| 821 | Discovery of candidate genes and pathways in the endometrium regulating ovine blastocyst growth and conceptus elongation. Physiological Genomics, 2009, 39, 85-99.  | 2.3  | 76        |
| 822 | Hippocampal and Cognitive Aging across the Lifespan: A Bioenergetic Shift Precedes and Increased Cholesterol Trafficking Parallels Memory Impairment. Journal of Neuroscience, 2009, 29, 1805-1816.   | 3.6  | 139       |
| 823 | Impact of nose-only exposure system on pulmonary gene expression. Inhalation Toxicology, 2009, 21, 74-82.   | 1.6  | 16        |
| 824 | X-Chromosome Gene Dosage and the Risk of Diabetes in Turner Syndrome. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 3289-3296.  | 3.6  | 95        |
| 825 | Systems biology of autosomal dominant polycystic kidney disease (ADPKD): computational identification of gene expression pathways and integrated regulatory networks. Human Molecular Genetics, 2009, 18, 2328-2343.                        | 2.9  | 208       |
| 826 | The conserved NAD(H)-dependent corepressor CTBP-1 regulates <i>Caenorhabditis elegans</i> life span. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1496-1501.                                 | 7.1  | 60        |
| 827 | Immune dysregulation in severe influenza. Journal of Leukocyte Biology, 2009, 85, 1036-1043.  | 3.3  | 106       |
| 828 | Functional genomic analysis of amniotic fluid cell-free mRNA suggests that oxidative stress is significant in Down syndrome fetuses. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9425-9429. | 7.1  | 106       |
| 829 | The Thioxotriazole Copper(II) Complex AO Induces Endoplasmic Reticulum Stress and Paraptotic Death in Human Cancer Cells. Journal of Biological Chemistry, 2009, 284, 24306-24319.  | 3.4  | 115       |
| 830 | The deacetylase HDAC4 controls myocyte enhancing factorâ€¢dependent structural gene expression in response to neural activity. FASEB Journal, 2009, 23, 99-106.   | 0.5  | 75        |
| 831 | Overexpressed vs mutated Kras in murine fibroblasts: a molecular phenotyping study. British Journal of Cancer, 2009, 100, 656-662.  | 6.4  | 28        |
| 832 | Analysis of differential gene expression in colorectal cancer and stroma using fluorescence-activated cell sorting purification. British Journal of Cancer, 2009, 100, 1452-1464.   | 6.4  | 33        |
| 833 | COFECO: composite function annotation enriched by protein complex data. Nucleic Acids Research, 2009, 37, W350-W355.  | 14.5 | 19        |
| 834 | Overlapping promoter targeting by Elk-1 and other divergent ETS-domain transcription factor family members. Nucleic Acids Research, 2009, 37, 7368-7380.  | 14.5 | 36        |
| 835 | The Prion Disease Database: a comprehensive transcriptome resource for systems biology research in prion diseases. Database: the Journal of Biological Databases and Curation, 2009, 2009, bap011.  | 3.0  | 18        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 836 | Blocking the Metabolism of Starch Breakdown Products in Arabidopsis Leaves Triggers Chloroplast Degradation. <i>Molecular Plant</i> , 2009, 2, 1233-1246.  | 8.3 | 127       |
| 837 | Thymic OX40 Expression Discriminates Cells Undergoing Strong Responses to Selection Ligands. <i>Journal of Immunology</i> , 2009, 182, 4581-4589.  | 0.8 | 60        |
| 838 | Mouse models of human AML accurately predict chemotherapy response. <i>Genes and Development</i> , 2009, 23, 877-889.  | 5.9 | 235       |
| 839 | Global Gene Expression in the Human Fetal Testis and Ovary1. <i>Biology of Reproduction</i> , 2009, 81, 438-443.   | 2.7 | 100       |
| 840 | Polymorphic mature microRNAs from passenger strand of pre-miR-146a contribute to thyroid cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1502-1505.                                      | 7.1 | 311       |
| 841 | Genome-wide analysis of SREBP-1 binding in mouse liver chromatin reveals a preference for promoter proximal binding to a new motif. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13765-13769. | 7.1 | 85        |
| 842 | High frequency of hotspot mutations in core genes of <i>Escherichia coli</i> due to short-term positive selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12412-12417.                  | 7.1 | 95        |
| 843 | Global Analysis of Transcriptional Regulation by Poly(ADP-ribose) Polymerase-1 and Poly(ADP-ribose) Glycohydrolase in MCF-7 Human Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 33926-33938.                              | 3.4 | 102       |
| 844 | Genomic Analyses of Musashi1 Downstream Targets Show a Strong Association with Cancer-related Processes. <i>Journal of Biological Chemistry</i> , 2009, 284, 12125-12135.  | 3.4 | 79        |
| 845 | Genome-wide Association of Hypoxia-inducible Factor (HIF)-1 $\alpha$ and HIF-2 $\alpha$ DNA Binding with Expression Profiling of Hypoxia-inducible Transcripts. <i>Journal of Biological Chemistry</i> , 2009, 284, 16767-16775.                     | 3.4 | 516       |
| 846 | The organization of the transcriptional network in specific neuronal classes. <i>Molecular Systems Biology</i> , 2009, 5, 291.   | 7.2 | 114       |
| 847 | Dengue Virus Infection Differentially Regulates Endothelial Barrier Function over Time through Type I Interferon Effects. <i>Journal of Infectious Diseases</i> , 2009, 200, 191-201.  | 4.0 | 40        |
| 848 | Transmigration across activated endothelium induces transcriptional changes, inhibits apoptosis, and decreases antimicrobial protein expression in human monocytes. <i>Journal of Leukocyte Biology</i> , 2009, 86, 1331-1343.                       | 3.3 | 26        |
| 849 | Gene expression profiling of bovine preovulatory follicles: gonadotropin surge and prostanoid-dependent up-regulation of genes potentially linked to the ovulatory process. <i>Reproduction</i> , 2009, 137, 297-307.                                | 2.6 | 35        |
| 850 | Enrichment constrained time-dependent clustering analysis for finding meaningful temporal transcription modules. <i>Bioinformatics</i> , 2009, 25, 1521-1527.  | 4.1 | 18        |
| 851 | Integration of heterogeneous expression data sets extends the role of the retinol pathway in diabetes and insulin resistance. <i>Bioinformatics</i> , 2009, 25, 3121-3127.   | 4.1 | 20        |
| 852 | Cardiac Resynchronization Therapy Corrects Dyssynchrony-Induced Regional Gene Expression Changes on a Genomic Level. <i>Circulation: Cardiovascular Genetics</i> , 2009, 2, 371-378.   | 5.1 | 78        |
| 853 | An Integrated Systems Analysis Implicates EGR1 Downregulation in Simian Immunodeficiency Virus Encephalitis-Induced Neural Dysfunction. <i>Journal of Neuroscience</i> , 2009, 29, 12467-12476.  | 3.6 | 37        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 854 | Alcohol Sensitivity in <i>Drosophila</i> : Translational Potential of Systems Genetics. <i>Genetics</i> , 2009, 183, 733-745.  | 2.9 | 45        |
| 855 | Gene Profiling of Human Adipose Tissue During Evoked Inflammation In Vivo. <i>Diabetes</i> , 2009, 58, 2211-2219.  | 0.6 | 57        |
| 856 | The Effects of Dairy Components on Energy Partitioning and Metabolic Risk in Mice: A Microarray Study. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2009, 2, 64-77.   | 1.3 | 16        |
| 857 | MitoMiner, an Integrated Database for the Storage and Analysis of Mitochondrial Proteomics Data. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 1324-1337.  | 3.8 | 74        |
| 858 | Modulated expression of WFDC1 during carcinogenesis and cellular senescence. <i>Carcinogenesis</i> , 2009, 30, 20-27.  | 2.8 | 76        |
| 859 | Comparative prion disease gene expression profiling using the prion disease mimetic, cuprizone. <i>Prion</i> , 2009, 3, 99-109.  | 1.8 | 17        |
| 860 | Gene Expression Profiles in Radiation Workers Occupationally Exposed to Ionizing Radiation. <i>Journal of Radiation Research</i> , 2009, 50, 61-71.  | 1.6 | 73        |
| 861 | <i>Rac1</i> Is a Critical Mediator of Endothelium-Derived Neurotrophic Activity. <i>Science Signaling</i> , 2009, 2, ra10.   | 3.6 | 26        |
| 862 | Only a Subset of Met-Activated Pathways Are Required to Sustain Oncogene Addiction. <i>Science Signaling</i> , 2009, 2, ra80.  | 3.6 | 84        |
| 863 | Corticolimbic Transcriptome Changes are State-Dependent and Region-Specific in a Rodent Model of Depression and of Antidepressant Reversal. <i>Neuropsychopharmacology</i> , 2009, 34, 1363-1380.                        | 5.4 | 173       |
| 864 | Massively parallel resequencing of the isogenic <i>Drosophila melanogaster</i> strain w1118; iso-2; iso-3 identifies hotspots for mutations in sensory perception genes. <i>Fly</i> , 2009, 3, 192-204.                  | 1.7 | 13        |
| 865 | Glucocorticoid- and Protein Kinase A-Dependent Transcriptome Regulation in Airway Smooth Muscle. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 41, 24-39.                                    | 2.9 | 39        |
| 866 | DNA Replication Licensing and Progenitor Numbers Are Increased by Progesterone in Normal Human Breast. <i>Endocrinology</i> , 2009, 150, 3318-3326.  | 2.8 | 122       |
| 867 | Thyroid Gene Expression in Familial Nonautoimmune Hyperthyroidism Shows Common Characteristics with Hyperfunctioning Autonomous Adenomas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 2602-2609. | 3.6 | 19        |
| 868 | Longitudinal system-based analysis of transcriptional responses to type I interferons. <i>Physiological Genomics</i> , 2009, 38, 362-371.  | 2.3 | 32        |
| 869 | Oct-4 regulates the expression of <i>Stella</i> and <i>Foxj2</i> at the <i>Nanog</i> locus: implications for the developmental competence of mouse oocytes. <i>Human Reproduction</i> , 2009, 24, 2225-2237.             | 0.9 | 37        |
| 870 | Elucidation of the ELK1 target gene network reveals a role in the coordinate regulation of core components of the gene regulation machinery. <i>Genome Research</i> , 2009, 19, 1963-1973.                               | 5.5 | 119       |
| 871 | Influence of fatty acid diets on gene expression in rat mammary epithelial cells. <i>Physiological Genomics</i> , 2009, 38, 80-88.   | 2.3 | 15        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 872 | Influence of hyperthyroid conditions on gene expression in extraocular muscles of rats. <i>Physiological Genomics</i> , 2009, 37, 231-238.   | 2.3 | 6         |
| 873 | Gene expression endpoints following chronic waterborne copper exposure in a genomic model organism, the zebrafish, <i>Danio rerio</i> . <i>Physiological Genomics</i> , 2009, 40, 23-33.                               | 2.3 | 45        |
| 874 | <i>C. elegans</i> dysferlin homolog <i>dys-1</i> is expressed in muscle, and <i>dys-1</i> mutations initiate altered gene expression of muscle enriched genes. <i>Physiological Genomics</i> , 2009, 40, 8-14.         | 2.3 | 14        |
| 875 | Pleiotropic effects of negative energy balance in the postpartum dairy cow on splenic gene expression: repercussions for innate and adaptive immunity. <i>Physiological Genomics</i> , 2009, 39, 28-37.                | 2.3 | 50        |
| 876 | Molecular Distinctions between Stasis and Telomere Attrition Senescence Barriers Shown by Long-term Culture of Normal Human Mammary Epithelial Cells. <i>Cancer Research</i> , 2009, 69, 7557-7568.                    | 0.9 | 144       |
| 877 | Fine Ambient Particles Induce Oxidative Stress and Metal Binding Genes in Human Alveolar Macrophages. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 41, 544-552.                           | 2.9 | 54        |
| 878 | Molecular Biomarkers for Quantitative and Discrete COPD Phenotypes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 40, 359-367.   | 2.9 | 94        |
| 879 | Elucidating the Role of Gonadal Hormones in Sexually Dimorphic Gene Coexpression Networks. <i>Endocrinology</i> , 2009, 150, 1235-1249.  | 2.8 | 224       |
| 880 | Retinoblastoma Protein Plays Multiple Essential Roles in the Terminal Differentiation of Sertoli Cells. <i>Molecular Endocrinology</i> , 2009, 23, 1900-1913.  | 3.7 | 39        |
| 881 | Induction of Cytokine Gene Expression in Human Thyroid Epithelial Cells Irradiated with HZE Particles (Iron Ions). <i>Radiation Research</i> , 2009, 172, 437.   | 1.5 | 18        |
| 882 | Genome-Wide Innate Immune Responses in HIV-1-Infected Macrophages Are Preserved Despite Attenuation of the NF- $\kappa$ B Activation Pathway. <i>Journal of Immunology</i> , 2009, 182, 319-328.                       | 0.8 | 28        |
| 883 | Colony-stimulating factor-1 (CSF-1) delivers a proatherogenic signal to human macrophages. <i>Journal of Leukocyte Biology</i> , 2009, 85, 278-288.  | 3.3 | 69        |
| 884 | Perturbation of Defense Pathways by Low-Dose Arsenic Exposure in Zebrafish Embryos. <i>Environmental Health Perspectives</i> , 2009, 117, 981-987.   | 6.0 | 49        |
| 885 | Genome-Wide Analyses of Exonic Copy Number Variants in a Family-Based Study Point to Novel Autism Susceptibility Genes. <i>PLoS Genetics</i> , 2009, 5, e1000536.  | 3.5 | 374       |
| 886 | Discovery and Annotation of Functional Chromatin Signatures in the Human Genome. <i>PLoS Computational Biology</i> , 2009, 5, e1000566.  | 3.2 | 143       |
| 887 | Host Cell Factors in HIV Replication: Meta-Analysis of Genome-Wide Studies. <i>PLoS Pathogens</i> , 2009, 5, e1000437.   | 4.7 | 396       |
| 888 | Simultaneous Model Selection via Rate-Distortion Theory, With Applications to Cluster and Significance Analysis of Gene Expression Data. <i>Journal of Computational and Graphical Statistics</i> , 2009, 18, 613-639. | 1.7 | 1         |
| 889 | Conserved Expression Patterns Predict microRNA Targets. <i>PLoS Computational Biology</i> , 2009, 5, e1000513.   | 3.2 | 49        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 890 | Exon Array Analysis of Head and Neck Cancers Identifies a Hypoxia Related Splice Variant of LAMA3 Associated with a Poor Prognosis. PLoS Computational Biology, 2009, 5, e1000571.                         | 3.2  | 37        |
| 891 | An Abundance of Ubiquitously Expressed Genes Revealed by Tissue Transcriptome Sequence Data. PLoS Computational Biology, 2009, 5, e1000598.  | 3.2  | 777       |
| 892 | Expression Quantitative Trait Loci Are Highly Sensitive to Cellular Differentiation State. PLoS Genetics, 2009, 5, e1000692.   | 3.5  | 85        |
| 893 | Differential Gene Expression Patterns of EBV Infected EBNA-3A Positive and Negative Human B Lymphocytes. PLoS Pathogens, 2009, 5, e1000506.  | 4.7  | 66        |
| 894 | Comparative Analysis of AhR-Mediated TCDD-Elicited Gene Expression in Human Liver Adult Stem Cells. Toxicological Sciences, 2009, 112, 229-244.  | 3.1  | 56        |
| 895 | Gene expression in the human mammary epithelium during lactation: the milk fat globule transcriptome. Physiological Genomics, 2009, 37, 12-22.   | 2.3  | 136       |
| 896 | Diffuse-Type Gastric Carcinoma: Progression, Angiogenesis, and Transforming Growth Factor $\beta$ Signaling. Journal of the National Cancer Institute, 2009, 101, 592-604.                                 | 6.3  | 66        |
| 897 | Acute molecular response of mouse hindlimb muscles to chronic stimulation. American Journal of Physiology - Cell Physiology, 2009, 297, C556-C570.   | 4.6  | 10        |
| 898 | The Drosophila foraging Gene Mediates Adult Plasticity and Gene-Environment Interactions in Behaviour, Metabolites, and Gene Expression in Response to Food Deprivation. PLoS Genetics, 2009, 5, e1000609. | 3.5  | 89        |
| 899 | Chronic Dietary Exposure to a Low-Dose Mixture of Genistein and Vinclozolin Modifies the Reproductive Axis, Testis Transcriptome, and Fertility. Environmental Health Perspectives, 2009, 117, 1272-1279.  | 6.0  | 107       |
| 900 | Coordinated activation of the secretory pathway during notochord formation in the <i>Xenopus</i> embryo. Development (Cambridge), 2009, 136, 3543-3548.  | 2.5  | 20        |
| 901 | Genome-Wide Promoter Analysis of the <i>SOX4</i> Transcriptional Network in Prostate Cancer Cells. Cancer Research, 2009, 69, 709-717.   | 0.9  | 176       |
| 902 | Thalamic transcriptome screening in three psychiatric states. Journal of Human Genetics, 2009, 54, 665-675.  | 2.3  | 49        |
| 903 | SimCT: a generic tool to visualize ontology-based relationships for biological objects. Bioinformatics, 2009, 25, 3197-3198.   | 4.1  | 11        |
| 904 | Pscan: finding over-represented transcription factor binding site motifs in sequences from co-regulated or co-expressed genes. Nucleic Acids Research, 2009, 37, W247-W252.                                | 14.5 | 377       |
| 905 | Phenobarbital Elicits Unique, Early Changes in the Expression of Hepatic Genes that Affect Critical Pathways in Tumor-Prone B6C3F1 Mice. Toxicological Sciences, 2009, 109, 193-205.                       | 3.1  | 31        |
| 906 | ZBED6, a Novel Transcription Factor Derived from a Domesticated DNA Transposon Regulates IGF2 Expression and Muscle Growth. PLoS Biology, 2009, 7, e1000256.   | 5.6  | 149       |
| 907 | Align human interactome with phenome to identify causative genes and networks underlying disease families. Bioinformatics, 2009, 25, 98-104.   | 4.1  | 90        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 908 | Zebrafish miR-1 and miR-133 shape muscle gene expression and regulate sarcomeric actin organization. <i>Genes and Development</i> , 2009, 23, 619-632.   | 5.9  | 149       |
| 909 | Multi-Organ Expression Profiling Uncovers a Gene Module in Coronary Artery Disease Involving Transendothelial Migration of Leukocytes and LIM Domain Binding 2: The Stockholm Atherosclerosis Gene Expression (STAGE) Study. <i>PLoS Genetics</i> , 2009, 5, e1000754. | 3.5  | 118       |
| 910 | Aging Mice Show a Decreasing Correlation of Gene Expression within Genetic Modules. <i>PLoS Genetics</i> , 2009, 5, e1000776.  | 3.5  | 157       |
| 911 | GeneCodis: interpreting gene lists through enrichment analysis and integration of diverse biological information. <i>Nucleic Acids Research</i> , 2009, 37, W317-W322.   | 14.5 | 391       |
| 912 | Widespread cleavage of A-to-I hyperediting substrates. <i>Rna</i> , 2009, 15, 1632-1639.   | 3.5  | 41        |
| 913 | Large-scale analysis of DNA methylation in chronic lymphocytic leukemia. <i>Epigenomics</i> , 2009, 1, 39-61.  | 2.1  | 57        |
| 914 | FSH and FOXO1 Regulate Genes in the Sterol/Steroid and Lipid Biosynthetic Pathways in Granulosa Cells. <i>Molecular Endocrinology</i> , 2009, 23, 649-661.   | 3.7  | 134       |
| 915 | Identification of Modulated Genes by Three Classes of Chemopreventive Agents at Preneoplastic Stages in a p53-Null Mouse Mammary Tumor Model. <i>Cancer Prevention Research</i> , 2009, 2, 175-184.  | 1.5  | 7         |
| 916 | Effect of Leptin on Mouse Trophoblast Giant Cells1. <i>Biology of Reproduction</i> , 2009, 80, 415-424.  | 2.7  | 23        |
| 917 | Intrinsic Gene Expression Profiles of Gliomas Are a Better Predictor of Survival than Histology. <i>Cancer Research</i> , 2009, 69, 9065-9072.   | 0.9  | 575       |
| 918 | ChIP-Seq of transcription factors predicts absolute and differential gene expression in embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21521-21526.   | 7.1  | 312       |
| 919 | Chemical Genomics Identifies the Unfolded Protein Response as a Target for Selective Cancer Cell Killing during Glucose Deprivation. <i>Cancer Research</i> , 2009, 69, 4225-4234.   | 0.9  | 148       |
| 920 | The Macrophage Colony-Stimulating Factor 1 Response Signature in Breast Carcinoma. <i>Clinical Cancer Research</i> , 2009, 15, 778-787.  | 7.0  | 177       |
| 921 | Deletion of Scap in Alveolar Type II Cells Influences Lung Lipid Homeostasis and Identifies a Compensatory Role for Pulmonary Lipofibroblasts. <i>Journal of Biological Chemistry</i> , 2009, 284, 4018-4030.  | 3.4  | 61        |
| 922 | Hub genes with positive feedbacks function as master switches in developmental gene regulatory networks. <i>Bioinformatics</i> , 2009, 25, 1898-1904.  | 4.1  | 48        |
| 923 | Gene expression profiling in rat liver treated with compounds inducing elevation of bilirubin. <i>Human and Experimental Toxicology</i> , 2009, 28, 231-244.   | 2.2  | 15        |
| 924 | Triplet repeat length bias and variation in the human transcriptome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17095-17100.  | 7.1  | 33        |
| 925 | The Human Cytomegalovirus-Encoded Chemokine Receptor US28 Promotes Angiogenesis and Tumor Formation via Cyclooxygenase-2. <i>Cancer Research</i> , 2009, 69, 2861-2869.  | 0.9  | 139       |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 926 | High-Throughput Cell-Based Screening of 4910 Known Drugs and Drug-like Small Molecules Identifies Disulfiram as an Inhibitor of Prostate Cancer Cell Growth. <i>Clinical Cancer Research</i> , 2009, 15, 6070-6078. | 7.0  | 185       |
| 927 | Automated Brain Tumor Biopsy Prediction Using Single-labeling cDNA Microarrays-based Gene Expression Profiling. <i>Diagnostic Molecular Pathology</i> , 2009, 18, 206-218.  | 2.1  | 17        |
| 928 | Comprehensive Proteome Analysis of an Apc Mouse Model Uncovers Proteins Associated with Intestinal Tumorigenesis. <i>Cancer Prevention Research</i> , 2009, 2, 224-233.   | 1.5  | 47        |
| 929 | MMP-9 Sheds the $\beta 2$ Integrin Subunit (CD18) from Macrophages. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 1044-1060.  | 3.8  | 76        |
| 930 | Genomic Profiles Associated with Early Micrometastasis in Lung Cancer: Relevance of 4q Deletion. <i>Clinical Cancer Research</i> , 2009, 15, 1566-1574.   | 7.0  | 87        |
| 931 | A conserved CCCH-type zinc finger protein regulates mRNA nuclear adenylation and export. <i>Journal of Cell Biology</i> , 2009, 185, 265-277.   | 5.2  | 40        |
| 932 | Gene expression profile of rat ovarian tissue following xenotransplantation into immune-deficient mice. <i>Reproduction</i> , 2009, 137, 957-967.   | 2.6  | 12        |
| 933 | Regulation of Gene Expression by Estrogen and Testosterone in the Proximal Mouse Reproductive Tract1. <i>Biology of Reproduction</i> , 2009, 81, 707-716.   | 2.7  | 38        |
| 934 | Chronic Endoplasmic Reticulum Stress Activates Unfolded Protein Response in Arterial Endothelium in Regions of Susceptibility to Atherosclerosis. <i>Circulation Research</i> , 2009, 105, 453-461.                 | 4.5  | 182       |
| 935 | Genetic evidence for shared mechanisms of epimorphic regeneration in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9310-9315.                      | 7.1  | 141       |
| 936 | Parathyroid Hormone-Related Protein Protects against Mammary Tumor Emergence and Is Associated with Monocyte Infiltration in Ductal Carcinoma <i>in situ</i> . <i>Cancer Research</i> , 2009, 69, 7473-7479.        | 0.9  | 41        |
| 937 | Toxicological and gene expression analysis of the impact of aflatoxin B1 on hepatic function of male broiler chicks. <i>Poultry Science</i> , 2009, 88, 360-371.  | 3.4  | 80        |
| 938 | Over-expression and localization of a host protein on the membrane of <i>Cryptosporidium parvum</i> infected epithelial cells. <i>Molecular and Biochemical Parasitology</i> , 2009, 168, 95-101.                   | 1.1  | 20        |
| 939 | microRNA expression in the eyes and their significance in relation to functions. <i>Progress in Retinal and Eye Research</i> , 2009, 28, 87-116.  | 15.5 | 96        |
| 940 | Age-related gene expression in Tourette syndrome. <i>Journal of Psychiatric Research</i> , 2009, 43, 319-330.   | 3.1  | 25        |
| 941 | Re-evaluation of the role of STOX1 transcription factor in placental development and preeclampsia. <i>Journal of Reproductive Immunology</i> , 2009, 82, 174-181.   | 1.9  | 18        |
| 942 | Regression of pressure-induced left ventricular hypertrophy is characterized by a distinct gene expression profile. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 137, 232-238.e8.                  | 0.8  | 30        |
| 943 | Early gene expression changes during embryonic stem cell differentiation into cardiomyocytes and their modulation by monobutyl phthalate. <i>Reproductive Toxicology</i> , 2009, 27, 93-102.                        | 2.9  | 69        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 944 | Gene expression profiling in the liver and lung of perfluorooctane sulfonate-exposed mouse fetuses: Comparison to changes induced by exposure to perfluorooctanoic acid. <i>Reproductive Toxicology</i> , 2009, 27, 278-288. | 2.9 | 66        |
| 945 | Dose-dependent transitions in Nrf2-mediated adaptive response and related stress responses to hypochlorous acid in mouse macrophages. <i>Toxicology and Applied Pharmacology</i> , 2009, 238, 27-36.                         | 2.8 | 76        |
| 946 | Determination of the key innate genes related to individual variation in carbon tetrachloride-induced hepatotoxicity using a pre-biopsy procedure. <i>Toxicology and Applied Pharmacology</i> , 2009, 239, 55-63.            | 2.8 | 14        |
| 947 | Genomic approaches in the identification of hypoxia biomarkers in model fish species. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 381, S180-S187.  | 1.5 | 42        |
| 948 | Seeking unique and common biological themes in multiple gene lists or datasets: pathway pattern extraction pipeline for pathway-level comparative analysis. <i>BMC Bioinformatics</i> , 2009, 10, 200.                       | 2.6 | 16        |
| 949 | OHMM: a Hidden Markov Model accurately predicting the occupancy of a transcription factor with a self-overlapping binding motif. <i>BMC Bioinformatics</i> , 2009, 10, 208.  | 2.6 | 11        |
| 950 | Genephony: a knowledge management tool for genome-wide research. <i>BMC Bioinformatics</i> , 2009, 10, 278.  | 2.6 | 8         |
| 951 | ArrayIDer: automated structural re-annotation pipeline for DNA microarrays. <i>BMC Bioinformatics</i> , 2009, 10, 30.  | 2.6 | 11        |
| 952 | Robust extraction of functional signals from gene set analysis using a generalized threshold free scoring function. <i>BMC Bioinformatics</i> , 2009, 10, 307.   | 2.6 | 35        |
| 953 | Illumina WG-6 BeadChip strips should be normalized separately. <i>BMC Bioinformatics</i> , 2009, 10, 372.  | 2.6 | 19        |
| 954 | GORilla: a tool for discovery and visualization of enriched GO terms in ranked gene lists. <i>BMC Bioinformatics</i> , 2009, 10, 48.   | 2.6 | 3,032     |
| 955 | ContDist: a tool for the analysis of quantitative gene and promoter properties. <i>BMC Bioinformatics</i> , 2009, 10, 7.   | 2.6 | 8         |
| 956 | Site-specific impacts on gene expression and behavior in fathead minnows ( <i>Pimephales promelas</i> ) exposed in situ to streams adjacent to sewage treatment plants. <i>BMC Bioinformatics</i> , 2009, 10, S11.           | 2.6 | 33        |
| 957 | Comparing gene annotation enrichment tools for functional modeling of agricultural microarray data. <i>BMC Bioinformatics</i> , 2009, 10, S9.  | 2.6 | 21        |
| 958 | Human microRNA target analysis and gene ontology clustering by GOMir, a novel stand-alone application. <i>BMC Bioinformatics</i> , 2009, 10, S20.  | 2.6 | 34        |
| 959 | Natural genetic variation in transcriptome reflects network structure inferred with major effect mutations: insulin/TOR and associated phenotypes in <i>Drosophila melanogaster</i> . <i>BMC Genomics</i> , 2009, 10, 124.   | 2.8 | 19        |
| 960 | Transcription and splicing regulation in human umbilical vein endothelial cells under hypoxic stress conditions by exon array. <i>BMC Genomics</i> , 2009, 10, 126.  | 2.8 | 47        |
| 961 | Reconstruction and functional analysis of altered molecular pathways in human atherosclerotic arteries. <i>BMC Genomics</i> , 2009, 10, 13.  | 2.8 | 80        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 962 | Functional annotation of the human retinal pigment epithelium transcriptome. BMC Genomics, 2009, 10, 164.   | 2.8 | 52        |
| 963 | Distinct patterns of gene and protein expression elicited by organophosphorus pesticides in <i>Caenorhabditis elegans</i> . BMC Genomics, 2009, 10, 202.  | 2.8 | 40        |
| 964 | Distinct gene-expression profiles characterize mammary tumors developed in transgenic mice expressing constitutively active and C-terminally truncated variants of STAT5. BMC Genomics, 2009, 10, 231.                    | 2.8 | 7         |
| 965 | Gene expression profiling within the spleen of <i>Clostridium perfringens</i> -challenged Broilers fed antibiotic-medicated and non-medicated diets. BMC Genomics, 2009, 10, 260.   | 2.8 | 32        |
| 966 | Discernment of possible mechanisms of hepatotoxicity via biological processes over-represented by co-expressed genes. BMC Genomics, 2009, 10, 272.  | 2.8 | 9         |
| 967 | Genome wide analysis of human genes transcriptionally and post-transcriptionally regulated by the HTLV-I protein p30. BMC Genomics, 2009, 10, 311.  | 2.8 | 26        |
| 968 | In silico identification of a core regulatory network of OCT4 in human embryonic stem cells using an integrated approach. BMC Genomics, 2009, 10, 314.  | 2.8 | 41        |
| 969 | Detection of differentially expressed genes between Erhualian and Large White placentas on day 75 and 90 of gestation. BMC Genomics, 2009, 10, 337.   | 2.8 | 34        |
| 970 | The steady-state transcriptome of the four major life-cycle stages of <i>Trypanosoma cruzi</i> . BMC Genomics, 2009, 10, 370.   | 2.8 | 125       |
| 971 | Combined genome-wide expression profiling and targeted RNA interference in primary mouse macrophages reveals perturbation of transcriptional networks associated with interferon signalling. BMC Genomics, 2009, 10, 372. | 2.8 | 22        |
| 972 | Weighted gene co-expression network analysis of the peripheral blood from Amyotrophic Lateral Sclerosis patients. BMC Genomics, 2009, 10, 405.  | 2.8 | 156       |
| 973 | Expulsion of <i>Trichuris muris</i> is associated with increased expression of angiogenin 4 in the gut and increased acidity of mucins within the goblet cell. BMC Genomics, 2009, 10, 492.                               | 2.8 | 46        |
| 974 | Transcriptome analysis of differentiating trypanosomes reveals the existence of multiple post-transcriptional regulons. BMC Genomics, 2009, 10, 495.  | 2.8 | 127       |
| 975 | Identification of differentially expressed miRNAs in chicken lung and trachea with avian influenza virus infection by a deep sequencing approach. BMC Genomics, 2009, 10, 512.  | 2.8 | 113       |
| 976 | RNA profiles of rat olfactory epithelia: individual and age related variations. BMC Genomics, 2009, 10, 572.  | 2.8 | 25        |
| 977 | Deciphering the transcriptional circuitry of microRNA genes expressed during human monocytic differentiation. BMC Genomics, 2009, 10, 595.  | 2.8 | 65        |
| 978 | Increased epithelial stem cell traits in advanced endometrial endometrioid carcinoma. BMC Genomics, 2009, 10, 613.  | 2.8 | 18        |
| 979 | Transcriptional adaptations following exercise in Thoroughbred horse skeletal muscle highlights molecular mechanisms that lead to muscle hypertrophy. BMC Genomics, 2009, 10, 638.  | 2.8 | 57        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 980 | Understanding <i>Haemophilus parasuis</i> infection in porcine spleen through a transcriptomics approach. BMC Genomics, 2009, 10, 64.  | 2.8 | 59        |
| 981 | Identification of genes differentially expressed as result of adenovirus type 5- and adenovirus type 12-transformation. BMC Genomics, 2009, 10, 67.                                      | 2.8 | 6         |
| 982 | Somatic, germline and sex hierarchy regulated gene expression during <i>Drosophila</i> metamorphosis. BMC Genomics, 2009, 10, 80.  | 2.8 | 49        |
| 983 | Rapid evolution of mammalian X-linked testis microRNAs. BMC Genomics, 2009, 10, 97.  | 2.8 | 98        |
| 984 | Annotating the human genome with Disease Ontology. BMC Genomics, 2009, 10, S6.   | 2.8 | 204       |
| 985 | A <i>Candida albicans</i> early stage biofilm detachment event in rich medium. BMC Microbiology, 2009, 9, 25.  | 3.3 | 43        |
| 986 | Integrating microRNA and mRNA expression profiles of neuronal progenitors to identify regulatory networks underlying the onset of cortical neurogenesis. BMC Neuroscience, 2009, 10, 98. | 1.9 | 65        |
| 987 | DDEC: Dragon database of genes implicated in esophageal cancer. BMC Cancer, 2009, 9, 219.  | 2.6 | 24        |
| 988 | Gene expression down-regulation in CD90+prostate tumor-associated stromal cells involves potential organ-specific genes. BMC Cancer, 2009, 9, 317.                                       | 2.6 | 39        |
| 989 | Identification of pediatric septic shock subclasses based on genome-wide expression profiling. BMC Medicine, 2009, 7, 34.  | 5.5 | 216       |
| 990 | A <i>Drosophila</i> systems model of pentylentetrazole induced locomotor plasticity responsive to antiepileptic drugs. BMC Systems Biology, 2009, 3, 11.                                 | 3.0 | 25        |
| 991 | Migration potential and gene expression profile of human mesenchymal stem cells induced by CCL25. Experimental Cell Research, 2009, 315, 1468-1479.                                      | 2.6 | 52        |
| 992 | Transcriptional signature of human adipose tissue-derived stem cells (hASCs) preconditioned for chondrogenesis in hypoxic conditions. Experimental Cell Research, 2009, 315, 1937-1952.  | 2.6 | 46        |
| 993 | CUX1/Wnt signaling regulates Epithelial Mesenchymal Transition in EBV infected epithelial cells. Experimental Cell Research, 2009, 315, 1819-1831.                                       | 2.6 | 31        |
| 994 | QTL for traits related to humoral immune response estimated from data of a porcine F2 resource population. International Journal of Immunogenetics, 2009, 36, 141-151.                   | 1.8 | 33        |
| 995 | A pro-inflammatory signature mediates FGF2-induced angiogenesis. Journal of Cellular and Molecular Medicine, 2009, 13, 2083-2108.  | 3.6 | 66        |
| 996 | Differential expression profiling of the synaptosome proteome in a rat model of antipsychotic resistance. Brain Research, 2009, 1295, 170-178.   | 2.2 | 14        |
| 997 | Formulating and testing hypotheses in functional genomics. Artificial Intelligence in Medicine, 2009, 45, 97-107.  | 6.5 | 21        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 998  | MicroRNA expression changes during human leukemic HL-60 cell differentiation induced by 4-hydroxynonenal, a product of lipid peroxidation. <i>Free Radical Biology and Medicine</i> , 2009, 46, 282-288.                         | 2.9  | 55        |
| 999  | A Gene Expression Signature Associated with $\alpha$ K-Ras Addiction Reveals Regulators of EMT and Tumor Cell Survival. <i>Cancer Cell</i> , 2009, 15, 489-500.  | 16.8 | 735       |
| 1000 | Down-regulation of miR-17 family expression in response to retinoic acid induced neuronal differentiation. <i>Cellular Signalling</i> , 2009, 21, 1837-1845.   | 3.6  | 98        |
| 1001 | Rational drug design. <i>European Journal of Pharmacology</i> , 2009, 625, 90-100.   | 3.5  | 217       |
| 1002 | Chronic wound healing by fetal cell therapy may be explained by differential gene profiling observed in fetal versus old skin cells. <i>Experimental Gerontology</i> , 2009, 44, 208-218.  | 2.8  | 65        |
| 1003 | Microarray analysis of liver gene expression in iron overloaded patients with sickle cell anemia and beta-thalassemia. <i>American Journal of Hematology</i> , 2009, 84, 328-334.  | 4.1  | 14        |
| 1004 | Single-cell expression profiling of dopaminergic neurons combined with association analysis identifies pyridoxal kinase as Parkinson's disease gene. <i>Annals of Neurology</i> , 2009, 66, 792-798.                             | 5.3  | 49        |
| 1005 | Age-related decrease in proteasome expression contributes to defective nuclear factor- $\kappa$ B activation during hepatic ischemia/reperfusion. <i>Hepatology</i> , 2009, 49, 1718-1728.                                       | 7.3  | 38        |
| 1006 | Extracellular matrix modulates sensitivity of hepatocytes to fibroblastoid dedifferentiation and transforming growth factor $\beta$ -induced apoptosis. <i>Hepatology</i> , 2009, 49, 2031-2043.                                 | 7.3  | 217       |
| 1007 | Quantitative transcriptional neuroanatomy of the rat hippocampus: Evidence for wide-ranging, pathway-specific heterogeneity among three principal cell layers. <i>Hippocampus</i> , 2009, 19, 253-264.                           | 1.9  | 48        |
| 1008 | Pharmacogenomics and analogues of the antitumour agent N <sup>6</sup> -isopentenyladenosine. <i>International Journal of Cancer</i> , 2009, 124, 2179-2185.  | 5.1  | 25        |
| 1009 | Alterations in miRNA processing and expression in pleomorphic adenomas of the salivary gland. <i>International Journal of Cancer</i> , 2009, 124, 2855-2863.   | 5.1  | 87        |
| 1010 | Gene signatures of pulmonary metastases of renal cell carcinoma reflect the disease-free interval and the number of metastases per patient. <i>International Journal of Cancer</i> , 2009, 125, 474-482.                         | 5.1  | 93        |
| 1011 | Housekeeping genes in prostate tumorigenesis. <i>International Journal of Cancer</i> , 2009, 125, 2603-2608.   | 5.1  | 14        |
| 1012 | Gene expression-based analysis of local and metastatic neuroblastoma variants reveals a set of genes associated with tumor progression in neuroblastoma patients. <i>International Journal of Cancer</i> , 2010, 126, 1570-1581. | 5.1  | 17        |
| 1013 | Focal amplifications are associated with high grade and recurrences in stage Ta bladder carcinoma. <i>International Journal of Cancer</i> , 2010, 126, 1390-1402.  | 5.1  | 54        |
| 1014 | Cellular expression of <i>Midkine</i> and <i>Midkine</i> during retinal development and photoreceptor regeneration in zebrafish. <i>Journal of Comparative Neurology</i> , 2009, 514, 1-10.                                      | 1.6  | 42        |
| 1015 | Analysis of Rex1 (zfp42) function in embryonic stem cell differentiation. <i>Developmental Dynamics</i> , 2009, 238, 1863-1877.  | 1.8  | 61        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1016 | Dynamic patterning at the pylorus: Formation of an epithelial intestine–stomach boundary in late fetal life. <i>Developmental Dynamics</i> , 2009, 238, 3205-3217.   | 1.8 | 36        |
| 1017 | Oncogene expression profiles in K6/ODC mouse skin and papillomas following a chronic exposure to monomethylarsonous acid. <i>Journal of Biochemical and Molecular Toxicology</i> , 2009, 23, 406-418.  | 3.0 | 9         |
| 1018 | The osteogenic transcription factor Runx2 regulates components of the fibroblast growth factor/proteoglycan signaling axis in osteoblasts. <i>Journal of Cellular Biochemistry</i> , 2009, 107, 144-154.   | 2.6 | 87        |
| 1019 | FGF-8b induces growth and rich vascularization in an orthotopic PC-3 model of prostate cancer. <i>Journal of Cellular Biochemistry</i> , 2009, 107, 769-784.   | 2.6 | 27        |
| 1020 | Retinoid-responsive transcriptional changes in epidermal keratinocytes. <i>Journal of Cellular Physiology</i> , 2009, 220, 427-439.  | 4.1 | 96        |
| 1021 | Human cell toxicogenomic analysis of bromoacetic acid: A regulated drinking water disinfection by-product. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 205-214.   | 2.2 | 31        |
| 1022 | Genomic imbalances in rhabdomyosarcoma cell lines affect expression of genes frequently altered in primary tumors: An approach to identify candidate genes involved in tumor development. <i>Genes Chromosomes and Cancer</i> , 2009, 48, 455-467. | 2.8 | 98        |
| 1023 | AML/MDS with 11q/MLL amplification show characteristic gene expression signature and interplay of DNA copy number changes. <i>Genes Chromosomes and Cancer</i> , 2009, 48, 510-520.  | 2.8 | 29        |
| 1024 | Comprehensive gene expression profiling in lungs of mice infected with <i>Mycobacterium tuberculosis</i> following DNAhsp65 immunotherapy. <i>Journal of Gene Medicine</i> , 2009, 11, 66-78.  | 2.8 | 22        |
| 1025 | Genomic landscape of developing male germ cells. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2009, 87, 43-63.   | 3.6 | 40        |
| 1026 | Incomplete penetrance and variable expressivity: is there a microRNA connection?. <i>BioEssays</i> , 2009, 31, 981-992.  | 2.5 | 28        |
| 1027 | Dynamic culture of droplet-confined cell arrays. <i>Biotechnology Progress</i> , 2010, 26, 220-231.  | 2.6 | 6         |
| 1028 | Detection of low-abundant novel transcripts in mouse hematopoietic stem cells. <i>Molecular Genetics and Genomics</i> , 2009, 282, 363-370.  | 2.1 | 0         |
| 1029 | Identification of common genetic variants that account for transcript isoform variation between human populations. <i>Human Genetics</i> , 2009, 125, 81-93.   | 3.8 | 75        |
| 1030 | In vitro multipotent differentiation and barrier function of a human mammary epithelium. <i>Cell and Tissue Research</i> , 2009, 335, 383-395.   | 2.9 | 29        |
| 1031 | Porcine muscle sensory attributes associate with major changes in gene networks involving CAPZB, ANKRD1, and CTBP2. <i>Functional and Integrative Genomics</i> , 2009, 9, 455-471.   | 3.5 | 39        |
| 1032 | Gene expression profiles of dental follicle cells before and after osteogenic differentiation in vitro. <i>Clinical Oral Investigations</i> , 2009, 13, 383-391.   | 3.0 | 58        |
| 1033 | HIF-1-Dependent Gene Expression Program During the Nucleic Acid-Triggered Antiviral Innate Immune Responses. <i>Molecules and Cells</i> , 2009, 27, 243-250.   | 2.6 | 12        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1034 | Genomic and proteomic study to survey the mechanism of action of the anti-Parkinson's disease drug, rasagiline compared with selegiline, in the rat midbrain. <i>Journal of Neural Transmission</i> , 2009, 116, 1457-1472.                                   | 2.8  | 24        |
| 1035 | Insights into the molecular basis of the microaerophily of three <i>Campylobacteriales</i> : a comparative study. <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 545-557.   | 1.7  | 8         |
| 1036 | Meiotic behavior of aneuploid chromatin in mouse models of Down syndrome. <i>Chromosoma</i> , 2009, 118, 723-736.   | 2.2  | 20        |
| 1037 | Spatial Mapping of Thymic Stromal Microenvironments Reveals Unique Features Influencing T Lymphoid Differentiation. <i>Immunity</i> , 2009, 31, 999-1009.   | 14.3 | 76        |
| 1038 | Microarray Analysis of Gene Expression in Rat Cortical Neurons Exposed to Hyperbaric Air and Oxygen. <i>Neurochemical Research</i> , 2009, 34, 1047-1056.   | 3.3  | 26        |
| 1039 | Selenoprotein W Modulates Control of Cell Cycle Entry. <i>Biological Trace Element Research</i> , 2009, 131, 229-244.   | 3.5  | 35        |
| 1040 | Differential gene expression in the developing human macula: microarray analysis using rare tissue samples. <i>Journal of Ocular Biology, Diseases, and Informatics</i> , 2009, 2, 176-189.   | 0.2  | 8         |
| 1041 | Identification of human sperm transcripts as candidate markers of male fertility. <i>Journal of Molecular Medicine</i> , 2009, 87, 735-748.   | 3.9  | 76        |
| 1042 | d-Serine exposure resulted in gene expression changes implicated in neurodegenerative disorders and neuronal dysfunction in male Fischer 344 rats. <i>Archives of Toxicology</i> , 2009, 83, 747-762.   | 4.2  | 22        |
| 1043 | Insights into Mesenchymal Stem Cell Aging: Involvement of Antioxidant Defense and Actin Cytoskeleton. <i>Stem Cells</i> , 2009, 27, 1288-1297.  | 3.2  | 203       |
| 1044 | Proteomics analysis of two mice hepatocarcinoma ascites syngeneic cell lines with high and low lymph node metastasis rates provide potential protein markers for tumor malignancy attributes to lymphatic metastasis. <i>Proteomics</i> , 2009, 9, 3285-3302. | 2.2  | 49        |
| 1045 | Comparative proteomic analysis of the insulin-induced L6 myotube secretome. <i>Proteomics</i> , 2009, 9, 51-60.   | 2.2  | 82        |
| 1046 | Role of translation by mitochondrial-type ribosomes during sperm capacitation: An analysis based on a proteomic approach. <i>Proteomics</i> , 2009, 9, 1385-1399.   | 2.2  | 62        |
| 1047 | Genome-wide analysis and proteomic studies reveal APE1/Ref1 multifunctional role in mammalian cells. <i>Proteomics</i> , 2009, 9, 1058-1074.  | 2.2  | 90        |
| 1048 | Phosphoproteomic analysis of distinct tumor cell lines in response to nocodazole treatment. <i>Proteomics</i> , 2009, 9, 2861-2874.   | 2.2  | 27        |
| 1049 | Application of iTRAQ to catalogue the skeletal muscle proteome in pigs and assessment of effects of gender and diet dephytinization. <i>Proteomics</i> , 2009, 9, 4000-4016.  | 2.2  | 51        |
| 1050 | LC-MS/MS as an alternative for SDS-PAGE in blue native analysis of protein complexes. <i>Proteomics</i> , 2009, 9, 4221-4228.   | 2.2  | 80        |
| 1051 | Gene expression associations with the growth inhibitory effects of small molecules on live cells: Specificity of effects and uniformity of mechanisms. <i>Statistical Analysis and Data Mining</i> , 2009, 2, 175-185.  | 2.8  | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1052 | Proteins that underlie neoplastic progression of ulcerative colitis. <i>Proteomics - Clinical Applications</i> , 2009, 3, 1326-1337.  | 1.6 | 47        |
| 1053 | Unique patterns of molecular profiling between human prostate cancer LNCaP and PCa cells. <i>Prostate</i> , 2009, 69, 1077-1090.  | 2.3 | 82        |
| 1054 | Temporal expression profiling of the effects of secreted factors from prostate stromal cells on embryonal carcinoma stem cells. <i>Prostate</i> , 2009, 69, 1353-1365.  | 2.3 | 15        |
| 1055 | Use of serial analysis of gene expression to reveal the specific regulation of gene expression profile in asthmatic rats treated by acupuncture. <i>Journal of Biomedical Science</i> , 2009, 16, 46.   | 7.0 | 28        |
| 1056 | Global transcriptional response after exposure of fission yeast cells to ultraviolet light. <i>BMC Cell Biology</i> , 2009, 10, 87.   | 3.0 | 5         |
| 1057 | Gene expression profiling of human alveolar macrophages infected by <i>B. anthracis</i> spores demonstrates TNF- $\alpha$ and NF- $\kappa$ B are key components of the innate immune response to the pathogen. <i>BMC Infectious Diseases</i> , 2009, 9, 152. | 2.9 | 27        |
| 1058 | Effects of typical and atypical antipsychotic drugs on gene expression profiles in the liver of schizophrenia subjects. <i>BMC Psychiatry</i> , 2009, 9, 57.  | 2.6 | 34        |
| 1059 | Gene expression profiling predicts a three-gene expression signature of endometrial adenocarcinoma in a rat model. <i>Cancer Cell International</i> , 2009, 9, 12.  | 4.1 | 9         |
| 1060 | Microarray and cDNA sequence analysis of transcription during nerve-dependent limb regeneration. <i>BMC Biology</i> , 2009, 7, 1.   | 3.8 | 203       |
| 1061 | Mutations in many genes affect aggressive behavior in <i>Drosophila melanogaster</i> . <i>BMC Biology</i> , 2009, 7, 29.  | 3.8 | 85        |
| 1062 | Toxicogenomic analysis of susceptibility to inhaled urban particulate matter in mice with chronic lung inflammation. <i>Particle and Fibre Toxicology</i> , 2009, 6, 6.   | 6.2 | 27        |
| 1063 | Prediction of HIV-1 virus-host protein interactions using virus and host sequence motifs. <i>BMC Medical Genomics</i> , 2009, 2, 27.  | 1.5 | 85        |
| 1064 | Integrated analysis of DNA methylation and gene expression reveals specific signaling pathways associated with platinum resistance in ovarian cancer. <i>BMC Medical Genomics</i> , 2009, 2, 34.  | 1.5 | 192       |
| 1065 | Candidate pathways and genes for prostate cancer: a meta-analysis of gene expression data. <i>BMC Medical Genomics</i> , 2009, 2, 48.   | 1.5 | 45        |
| 1066 | Early over expression of messenger RNA for multiple genes, including insulin, in the Pancreatic Lymph Nodes of NOD mice is associated with Islet Autoimmunity. <i>BMC Medical Genomics</i> , 2009, 2, 63.   | 1.5 | 12        |
| 1067 | A taxonomy of epithelial human cancer and their metastases. <i>BMC Medical Genomics</i> , 2009, 2, 69.  | 1.5 | 19        |
| 1068 | Genome-wide Gene Expression Profiling of SCID Mice with T cell-mediated Colitis. <i>Scandinavian Journal of Immunology</i> , 2009, 69, 437-446.   | 2.7 | 4         |
| 1069 | Transcriptional profiling of CD31 <sup>+</sup> cells isolated from murine embryonic stem cells. <i>Genes To Cells</i> , 2009, 14, 243-260.  | 1.2 | 15        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1070 | Expression profiling of genes related to asthma exacerbations. Clinical and Experimental Allergy, 2009, 39, 213-221.  | 2.9  | 63        |
| 1071 | Gene expression profiles in human nasal polyp tissues and identification of genetic susceptibility in aspirin-intolerant asthma. Clinical and Experimental Allergy, 2009, 39, 972-981.  | 2.9  | 37        |
| 1072 | The epidermal differentiation-associated Grainyhead gene Get1/Grhl3 also regulates urothelial differentiation. EMBO Journal, 2009, 28, 1890-1903.                                       | 7.8  | 70        |
| 1073 | Pten in stromal fibroblasts suppresses mammary epithelial tumours. Nature, 2009, 461, 1084-1091.  | 27.8 | 475       |
| 1074 | Targeted bisulfite sequencing reveals changes in DNA methylation associated with nuclear reprogramming. Nature Biotechnology, 2009, 27, 353-360.  | 17.5 | 458       |
| 1075 | The proteomic analysis of human neonatal umbilical cord serum by mass spectrometry. Acta Pharmacologica Sinica, 2009, 30, 1550-1558.  | 6.1  | 17        |
| 1076 | Large histone H3 lysine 9 dimethylated chromatin blocks distinguish differentiated from embryonic stem cells. Nature Genetics, 2009, 41, 246-250.                                       | 21.4 | 540       |
| 1077 | Systems genetics of complex traits in Drosophila melanogaster. Nature Genetics, 2009, 41, 299-307.  | 21.4 | 490       |
| 1078 | Systematic and integrative analysis of large gene lists using DAVID bioinformatics resources. Nature Protocols, 2009, 4, 44-57.   | 12.0 | 31,831    |
| 1079 | Network visualization and analysis of gene expression data using BioLayout Express3D. Nature Protocols, 2009, 4, 1535-1550.   | 12.0 | 443       |
| 1080 | The histone variant macroH2A is an epigenetic regulator of key developmental genes. Nature Structural and Molecular Biology, 2009, 16, 1074-1079.                                       | 8.2  | 166       |
| 1081 | ORIGINAL ARTICLE: Cytokine Array Comparisons of Plasma from Cycling Fertile Women on Cycle Day 5 and Ovulation. American Journal of Reproductive Immunology, 2009, 62, 158-164.         | 1.2  | 6         |
| 1082 | Gene expression demonstrates increased resilience toward harmful inflammatory stimuli in the proliferating epidermis of human skin wounds. Experimental Dermatology, 2010, 19, e329-32. | 2.9  | 14        |
| 1083 | Massive induction of innate immune response to <i>Candida albicans</i> in the kidney in a murine intravenous challenge model. FEMS Yeast Research, 2009, 9, 1111-1122.                  | 2.3  | 49        |
| 1084 | Gene expression in the detection of autologous blood transfusion in sports – a pilot study. Vox Sanguinis, 2009, 96, 333-336.   | 1.5  | 26        |
| 1085 | Gene expression profiling to define host response to baculoviral transduction in the brain. Journal of Neurochemistry, 2009, 109, 1203-1214.  | 3.9  | 25        |
| 1086 | Oxidative stress and longevity in <i>Caenorhabditis elegans</i> as mediated by SKN-1. Aging Cell, 2009, 8, 258-269.   | 6.7  | 202       |
| 1087 | Condition-adapted stress and longevity gene regulation by <i>Caenorhabditis elegans</i> SKN-1/Nrf. Aging Cell, 2009, 8, 524-541.  | 6.7  | 302       |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1088 | <i>Caenorhabditis elegans</i> PI3K mutants reveal novel genes underlying exceptional stress resistance and lifespan. <i>Aging Cell</i> , 2009, 8, 706-725.  | 6.7 | 34        |
| 1089 | Mucosal gene expression profiles following the colonization of immunocompetent defined-flora C3H mice with <i>Helicobacter bilis</i> : a prelude to typhlocolitis. <i>Microbes and Infection</i> , 2009, 11, 374-383.   | 1.9 | 15        |
| 1090 | The molecular basis of prostate cancer cell escape from protoporphyrin IX-based photodynamic therapy. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , 2009, 24, 237-246.   | 0.3 | 3         |
| 1091 | Alterations in gene expression of glutamate receptors and exocytosis-related factors by a hydroxylated-polychlorinated biphenyl in the developing rat brain. <i>Toxicology</i> , 2009, 257, 17-24.  | 4.2 | 14        |
| 1092 | Comparison of gene expression responses to hypoxia in viviparous ( <i>Xiphophorus</i> ) and oviparous ( <i>Oryzias</i> ) fishes using a medaka microarray. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 149, 258-265. | 2.6 | 36        |
| 1093 | Gene expression profiling of single bovine embryos uncovers significant effects of in vitro maturation, fertilization and culture. <i>Molecular Reproduction and Development</i> , 2009, 76, 38-47.   | 2.0 | 66        |
| 1094 | Molecular mechanisms regulating bovine ovarian follicular selection. <i>Molecular Reproduction and Development</i> , 2009, 76, 351-366.   | 2.0 | 28        |
| 1095 | Profile of estrogen-responsive genes in an estrogen-specific mammary gland outgrowth model. <i>Molecular Reproduction and Development</i> , 2009, 76, 733-750.  | 2.0 | 30        |
| 1096 | Meta-analysis of age-related gene expression profiles identifies common signatures of aging. <i>Bioinformatics</i> , 2009, 25, 875-881.   | 4.1 | 651       |
| 1097 | SWI/SNF-Brg1 Regulates Self-Renewal and Occupies Core Pluripotency-Related Genes in Embryonic Stem Cells. <i>Stem Cells</i> , 2009, 27, 317-328.  | 3.2 | 221       |
| 1098 | BAC Transgenesis in Human Embryonic Stem Cells as a Novel Tool to Define the Human Neural Lineage. <i>Stem Cells</i> , 2009, 27, 521-532.   | 3.2 | 75        |
| 1099 | Evaluation of 3 Clinical Dendritic Cell Maturation Protocols Containing Lipopolysaccharide and Interferon- $\beta$ . <i>Journal of Immunotherapy</i> , 2009, 32, 399-407.   | 2.4 | 58        |
| 1100 | Functional Profiling Methods in Cancer. <i>Methods in Molecular Biology</i> , 2009, 576, 363-374.   | 0.9 | 2         |
| 1101 | A Genome-wide Survey of the Prevalence and Evolutionary Forces Acting on Human Nonsense SNPs. <i>American Journal of Human Genetics</i> , 2009, 84, 224-234.  | 6.2 | 69        |
| 1102 | Genetic Control of Human Brain Transcript Expression in Alzheimer Disease. <i>American Journal of Human Genetics</i> , 2009, 84, 445-458.   | 6.2 | 290       |
| 1103 | Global placental gene expression in gestational diabetes mellitus. <i>American Journal of Obstetrics and Gynecology</i> , 2009, 200, 206.e1-206.e13.  | 1.3 | 68        |
| 1104 | Stable Isotope Labeling and Label-Free Proteomics of <i>Drosophila parkin</i> Null Mutants. <i>Journal of Proteome Research</i> , 2009, 8, 4500-4510.   | 3.7 | 17        |
| 1105 | Three subclasses of a <i>Drosophila</i> insulator show distinct and cell type-specific genomic distributions. <i>Genes and Development</i> , 2009, 23, 1338-1350.   | 5.9 | 171       |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1106 | 2â€²-Benzoyloxycinnamaldehyde Inhibits Tumor Growth in H- <i>ras</i> 12V Transgenic Mice via Downregulation of Metallothionein. <i>Nutrition and Cancer</i> , 2009, 61, 723-734.   | 2.0  | 7         |
| 1107 | Integrating Gene Expression and Phenotypic Information to Analyze Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2009, 16, 73-84.  | 2.6  | 10        |
| 1108 | Bioinformatics enrichment tools: paths toward the comprehensive functional analysis of large gene lists. <i>Nucleic Acids Research</i> , 2009, 37, 1-13.   | 14.5 | 13,313    |
| 1109 | Establishment of Intestinal Identity and Epithelial-Mesenchymal Signaling by Cdx2. <i>Developmental Cell</i> , 2009, 16, 588-599.  | 7.0  | 332       |
| 1110 | Gene expression signatures of a fibroblastoid preosteoblast and cuboidal osteoblast cell model compared to the MLO-Y4 osteocyte cell model. <i>Bone</i> , 2009, 44, 32-45.   | 2.9  | 43        |
| 1111 | Modified titanium surfaces promote accelerated osteogenic differentiation of mesenchymal stromal cells in vitro. <i>Bone</i> , 2009, 45, 17-26.  | 2.9  | 253       |
| 1112 | Comparison of rat olfactory mucosal responses to carcinogenic and non-carcinogenic chloracetanilides. <i>Food and Chemical Toxicology</i> , 2009, 47, 1051-1057.   | 3.6  | 3         |
| 1113 | A Genome-wide RNAi Screen for Modifiers of the Circadian Clock in Human Cells. <i>Cell</i> , 2009, 139, 199-210.   | 28.9 | 437       |
| 1114 | Induction of Intestinal Th17 Cells by Segmented Filamentous Bacteria. <i>Cell</i> , 2009, 139, 485-498.  | 28.9 | 3,818     |
| 1115 | Jumonji Modulates Polycomb Activity and Self-Renewal versus Differentiation of Stem Cells. <i>Cell</i> , 2009, 139, 1303-1314.   | 28.9 | 398       |
| 1116 | Non-CpG Methylation of the PGC-1 $\beta$ Promoter through DNMT3B Controls Mitochondrial Density. <i>Cell Metabolism</i> , 2009, 10, 189-198.   | 16.2 | 530       |
| 1117 | Global gene expression changes including drug metabolism and disposition induced by three-dimensional culture of HepG2 cells-Involvement of microtubules. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 558-562. | 2.1  | 21        |
| 1118 | Transcriptomic profiling identifies a PU.1 regulatory network in macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 308-312.   | 2.1  | 31        |
| 1119 | DNA Methyltransferase 1 Is Essential for and Uniquely Regulates Hematopoietic Stem and Progenitor Cells. <i>Cell Stem Cell</i> , 2009, 5, 442-449.   | 11.1 | 318       |
| 1120 | Functional and Evolutionary Insights into Human Brain Development through Global Transcriptome Analysis. <i>Neuron</i> , 2009, 62, 494-509.  | 8.1  | 555       |
| 1121 | Analysis of biomarkers after intramuscular injection of Vaxfectin $\text{\textregistered}$ -formulated hCMV gB plasmid DNA. <i>Vaccine</i> , 2009, 27, 7409-7417.  | 3.8  | 10        |
| 1122 | Human immunodeficiency virus type 1 chronic infection is associated with different gene expression in MT-4, H9 and U937 cell lines. <i>Virus Research</i> , 2009, 139, 22-31.  | 2.2  | 16        |
| 1123 | Forkhead box M1 transcriptional factor is required for smooth muscle cells during embryonic development of blood vessels and esophagus. <i>Developmental Biology</i> , 2009, 336, 266-279.   | 2.0  | 63        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1124 | Tissue specific differentially methylated regions (TDMR): Changes in DNA methylation during development. <i>Genomics</i> , 2009, 93, 130-139.  | 2.9 | 116       |
| 1125 | SNP-based prediction of the human germ cell methylation landscape. <i>Genomics</i> , 2009, 93, 434-440.  | 2.9 | 17        |
| 1126 | Finding disease-specific coordinated functions by multi-function genes: Insight into the coordination mechanisms in diseases. <i>Genomics</i> , 2009, 94, 94-100.  | 2.9 | 17        |
| 1127 | Candidate Agtr2 influenced genes and pathways identified by expression profiling in the developing brain of Agtr2 <sup>+/y</sup> mice. <i>Genomics</i> , 2009, 94, 188-195.  | 2.9 | 14        |
| 1128 | Technical considerations in using DNA microarrays to define regulons. <i>Methods</i> , 2009, 47, 63-72.  | 3.8 | 12        |
| 1129 | Phenotypic expression of maternally inherited deafness is affected by RNA modification and cytoplasmic ribosomal proteins. <i>Molecular Genetics and Metabolism</i> , 2009, 97, 297-304.                                   | 1.1 | 9         |
| 1130 | Progesterone receptor A-regulated gene expression in mammary organoid cultures. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 115, 161-172.   | 2.5 | 31        |
| 1131 | Identification of neuronal target genes for CCAAT/Enhancer Binding Proteins. <i>Molecular and Cellular Neurosciences</i> , 2009, 40, 313-327.  | 2.2 | 40        |
| 1132 | Primary biliary cirrhosis is associated with altered hepatic microRNA expression. <i>Journal of Autoimmunity</i> , 2009, 32, 246-253.  | 6.5 | 191       |
| 1133 | A Genome-wide siRNA Screen Reveals Diverse Cellular Processes and Pathways that Mediate Genome Stability. <i>Molecular Cell</i> , 2009, 35, 228-239.   | 9.7 | 482       |
| 1134 | Insights into GATA-1-Mediated Gene Activation versus Repression via Genome-wide Chromatin Occupancy Analysis. <i>Molecular Cell</i> , 2009, 36, 682-695.   | 9.7 | 278       |
| 1135 | A Reconfigured Pattern of MLL Occupancy within Mitotic Chromatin Promotes Rapid Transcriptional Reactivation Following Mitotic Exit. <i>Molecular Cell</i> , 2009, 36, 970-983.  | 9.7 | 173       |
| 1136 | Specificity of the zebrafish host transcriptome response to acute and chronic mycobacterial infection and the role of innate and adaptive immune components. <i>Molecular Immunology</i> , 2009, 46, 2317-2332.            | 2.2 | 112       |
| 1137 | Effects of lithium chloride on the gene expression profiles in Drosophila heads. <i>Neuroscience Research</i> , 2009, 64, 413-420.   | 1.9 | 20        |
| 1138 | Genetical toxicogenomics in Drosophila identifies master-modulatory loci that are regulated by developmental exposure to lead. <i>NeuroToxicology</i> , 2009, 30, 898-914.   | 3.0 | 45        |
| 1139 | Transcriptome Profiling Reveals TGF- $\beta$ Signaling Involvement in Epileptogenesis. <i>Journal of Neuroscience</i> , 2009, 29, 8927-8935.   | 3.6 | 317       |
| 1140 | Differential Testicular Gene Expression in Seasonal Fertility. <i>Journal of Biological Rhythms</i> , 2009, 24, 114-125.   | 2.6 | 10        |
| 1141 | Chromatin Immunoprecipitation on Microarray Analysis of Smad2/3 Binding Sites Reveals Roles of ETS1 and TFAP2A in Transforming Growth Factor $\beta$ Signaling. <i>Molecular and Cellular Biology</i> , 2009, 29, 172-186. | 2.3 | 179       |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1142 | Downregulation of oligodendrocyte transcripts is associated with impaired prefrontal cortex function in rats. <i>Schizophrenia Research</i> , 2009, 113, 277-287.  | 2.0  | 54        |
| 1143 | Comparison of gene expression profiles in mice liver following intravenous injection of 4 and 100nm-sized PEG-coated gold nanoparticles. <i>Toxicology Letters</i> , 2009, 191, 96-102.  | 0.8  | 100       |
| 1144 | Changes in transcriptome after in vivo exposure to ionising radiation reveal a highly specialised liver response. <i>International Journal of Radiation Biology</i> , 2009, 85, 656-671.   | 1.8  | 12        |
| 1145 | Bioinformatics Analysis of Microarray Data. <i>Methods in Molecular Biology</i> , 2009, 573, 259-284.  | 0.9  | 63        |
| 1146 | Zinc Replenishment Reverses Overexpression of the Proinflammatory Mediator S100A8 and Esophageal Preneoplasia in the Rat. <i>Gastroenterology</i> , 2009, 136, 953-966.  | 1.3  | 44        |
| 1147 | Disruption of Dicer1 Induces Dysregulated Fetal Gene Expression and Promotes Hepatocarcinogenesis. <i>Gastroenterology</i> , 2009, 136, 2304-2315.e4.  | 1.3  | 167       |
| 1148 | Extracting Biological Meaning from Large Gene Lists with DAVID. <i>Current Protocols in Bioinformatics</i> , 2009, 27, Unit 13.11.   | 25.8 | 375       |
| 1149 | Corticosteroid effects on blood gene expression in Duchenne muscular dystrophy. <i>Pharmacogenomics Journal</i> , 2009, 9, 411-418.  | 2.0  | 6         |
| 1150 | GeneDecks: Paralog Hunting and Gene-Set Distillation with GeneCards Annotation. <i>OMICS A Journal of Integrative Biology</i> , 2009, 13, 477-487.   | 2.0  | 74        |
| 1151 | Expression profiling identifies genes involved in emphysema severity. <i>Respiratory Research</i> , 2009, 10, 81.  | 3.6  | 35        |
| 1152 | Comprehensive proteomic analysis of human cervical-vaginal fluid using colposcopy samples. <i>Proteome Science</i> , 2009, 7, 17.  | 1.7  | 84        |
| 1153 | Proteins recruited by SH3 domains of Ruk/CIN85 adaptor identified by LC-MS/MS. <i>Proteome Science</i> , 2009, 7, 21.  | 1.7  | 41        |
| 1154 | GO Explorer: A gene-ontology tool to aid in the interpretation of shotgun proteomics data. <i>Proteome Science</i> , 2009, 7, 6.   | 1.7  | 35        |
| 1155 | MicroRNA and gene expression patterns in the differentiation of human embryonic stem cells. <i>Journal of Translational Medicine</i> , 2009, 7, 20.  | 4.4  | 165       |
| 1156 | Gene and microRNA analysis of neutrophils from patients with polycythemia vera and essential thrombocytosis: down-regulation of micro RNA-1 and -133a. <i>Journal of Translational Medicine</i> , 2009, 7, 39.                           | 4.4  | 46        |
| 1157 | The effect of alcohol and nicotine abuse on gene expression in the brain. <i>Nutrition Research Reviews</i> , 2009, 22, 148-162.   | 4.1  | 14        |
| 1158 | Association of survival and disease progression with chromosomal instability: A genomic exploration of colorectal cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7131-7136. | 7.1  | 326       |
| 1159 | The preferentially expressed antigen in melanoma (PRAME) inhibits myeloid differentiation in normal hematopoietic and leukemic progenitor cells. <i>Blood</i> , 2009, 114, 3299-3308.  | 1.4  | 72        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1160 | Genome-Wide Determination of DNA Methylation by Hpa II Tiny Fragment Enrichment by Ligation-Mediated PCR (HELP) for the Study of Acute Leukemias. <i>Methods in Molecular Biology</i> , 2009, 538, 395-407.   | 0.9 | 34        |
| 1161 | MB49 Murine Urothelial Carcinoma: Molecular and Phenotypic Comparison to Human Cell Lines as a Model of the Direct Tumor Response to Bacillus Calmette-Guerin. <i>Journal of Urology</i> , 2009, 182, 2932-2937.  | 0.4 | 24        |
| 1162 | CTCF binding site classes exhibit distinct evolutionary, genomic, epigenomic and transcriptomic features. <i>Genome Biology</i> , 2009, 10, R131.   | 9.6 | 72        |
| 1163 | Molecular networks involved in mouse cerebral corticogenesis and spatio-temporal regulation of Sox4 and Sox11 novel antisense transcripts revealed by transcriptome profiling. <i>Genome Biology</i> , 2009, 10, R104.                                  | 9.6 | 34        |
| 1164 | Studying alternative splicing regulatory networks through partial correlation analysis. <i>Genome Biology</i> , 2009, 10, R3.   | 9.6 | 49        |
| 1165 | Interactions among type I and type II interferon, tumor necrosis factor, and 17 $\beta$ -estradiol in the regulation of immune response-related gene expressions in systemic lupus erythematosus. <i>Arthritis Research and Therapy</i> , 2009, 11, R1. | 3.5 | 43        |
| 1166 | Lipoproteomics: using mass spectrometry-based proteomics to explore the assembly, structure, and function of lipoproteins. <i>Journal of Lipid Research</i> , 2009, 50, 1967-1975.  | 4.2 | 81        |
| 1167 | UVB Radiation Induces Persistent Activation of Ribosome and Oxidative Phosphorylation Pathways. <i>Radiation Research</i> , 2009, 171, 716.   | 1.5 | 17        |
| 1168 | ArrayQ: Querying Microarray Expressions for Relevant Pathways. , 2009, , .  |     | 0         |
| 1169 | Transcriptome Profiling and Functional Analyses of the Zebrafish Embryonic Innate Immune Response to <i>Salmonella</i> Infection. <i>Journal of Immunology</i> , 2009, 182, 5641-5653.  | 0.8 | 214       |
| 1170 | Computational methods for discovering gene networks from expression data. <i>Briefings in Bioinformatics</i> , 2009, 10, 408-23.  | 6.5 | 185       |
| 1171 | A genome-wide analysis of brain DNA methylation identifies new candidate genes for sporadic amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2009, 10, 418-429.                                   | 2.1 | 82        |
| 1172 | Mining gene functional networks to improve mass-spectrometry-based protein identification. <i>Bioinformatics</i> , 2009, 25, 2955-2961.   | 4.1 | 34        |
| 1173 | Adaptive response in embryogenesis: VI. Comparative microarray analysis of gene expressions in mouse fetuses. <i>International Journal of Radiation Biology</i> , 2009, 85, 70-86.  | 1.8 | 12        |
| 1174 | FOS Proliferating Network Construction in Early Colorectal Cancer (CRC) Based on Integrative Significant Function Cluster and Inferring Analysis. <i>Cancer Investigation</i> , 2009, 27, 816-824.  | 1.3 | 42        |
| 1175 | Microarray coupled to quantitative RT-PCR analysis of androgen-regulated genes in human LNCaP prostate cancer cells. <i>Oncogene</i> , 2009, 28, 2051-2063.   | 5.9 | 60        |
| 1176 | Correlation between Gene Expression and Clinical Data through Linear and Nonlinear Principal Components Analyses: Muscular Dystrophies as Case Studies. <i>OMICS A Journal of Integrative Biology</i> , 2009, 13, 173-184.                              | 2.0 | 8         |
| 1177 | Generation of Gene Ontology benchmark datasets with various types of positive signal. <i>BMC Bioinformatics</i> , 2009, 10, 319.  | 2.6 | 5         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1178 | Dissecting the dynamics of dysregulation of cellular processes in mouse mammary gland tumor. BMC Genomics, 2009, 10, 601.  | 2.8 | 28        |
| 1179 | Early Dysregulation of Cell Adhesion and Extracellular Matrix Pathways in Breast Cancer Progression. American Journal of Pathology, 2009, 175, 1292-1302.  | 3.8 | 59        |
| 1180 | Transcriptome profiling of Streptococcus uberis-induced mastitis reveals fundamental differences between immune gene expression in the mammary gland and in a primary cell culture model. Journal of Dairy Science, 2009, 92, 117-129. | 3.4 | 114       |
| 1181 | Unique Biological Properties and Application Potentials of CD34+ CD38 <sup>+</sup> Stem Cells From Various Sources. Taiwanese Journal of Obstetrics and Gynecology, 2009, 48, 356-369.   | 1.3 | 7         |
| 1182 | Protein array technology to investigate cytokine production by monocytes from patients with advanced alcoholic cirrhosis: An <i>ex vivo</i> pilot study. Hepatology Research, 2009, 39, 706-715.                                       | 3.4 | 15        |
| 1183 | HIV-1 infection of macrophages is dependent on evasion of innate immune cellular activation. Aids, 2009, 23, 2255-2263.  | 2.2 | 91        |
| 1184 | Genomic expression profiling across the pediatric systemic inflammatory response syndrome, sepsis, and septic shock spectrum*. Critical Care Medicine, 2009, 37, 1558-1566.  | 0.9 | 285       |
| 1185 | DIFFERENTIAL EXPRESSION OF TOLL-LIKE RECEPTOR GENES. Shock, 2009, 31, 238-244.   | 2.1 | 37        |
| 1186 | Gene expression profiling in rat liver treated with various hepatotoxic-compounds inducing coagulopathy. Journal of Toxicological Sciences, 2009, 34, 281-293.   | 1.5 | 30        |
| 1188 | Maturation of mouse NK cells is a 4-stage developmental program. Blood, 2009, 113, 5488-5496.  | 1.4 | 643       |
| 1189 | HIV-1 <sup>+</sup> infected dendritic cells show 2 phases of gene expression changes, with lysosomal enzyme activity decreased during the second phase. Blood, 2009, 114, 85-94.   | 1.4 | 63        |
| 1190 | The transcriptional program controlled by the stem cell leukemia gene Scl/Tal1 during early embryonic hematopoietic development. Blood, 2009, 113, 5456-5465.  | 1.4 | 107       |
| 1191 | Gene expression profiling of minimally differentiated acute myeloid leukemia: M0 is a distinct entity subdivided by RUNX1 mutation status. Blood, 2009, 114, 3001-3007.  | 1.4 | 51        |
| 1192 | MicroRNA 29b functions in acute myeloid leukemia. Blood, 2009, 114, 5331-5341.   | 1.4 | 412       |
| 1193 | Plerixafor (AMD3100) and granulocyte colony-stimulating factor (G-CSF) mobilize different CD34+ cell populations based on global gene and microRNA expression signatures. Blood, 2009, 114, 2530-2541.                                 | 1.4 | 95        |
| 1194 | Identification of Mouse 8-Cell Embryo Stage-Specific Genes by Digital Differential Display. Experimental Animals, 2009, 58, 547-556.   | 1.1 | 2         |
| 1195 | Identification of condition-specific regulatory modules through multi-level motif and mRNA expression analysis. International Journal of Computational Biology and Drug Design, 2009, 2, 1.  | 0.3 | 0         |
| 1197 | Enhanced expression of SOS1 is detected in prostate cancer epithelial cells from African-American men. International Journal of Oncology, 2009, 35, .  | 3.3 | 26        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1198 | Transcriptome analysis of skeletal muscle tissue to identify genes involved in pre-slaughter stress response in pigs. Italian Journal of Animal Science, 2009, 8, 69-71.  | 1.9 | 2         |
| 1199 | Orientation, distance, regulation and function of neighbouring genes. Human Genomics, 2009, 3, 143-56.  | 2.9 | 22        |
| 1200 | Exploring the relationship between polymorphic (TG/CA) n repeats in intron 1 regions and gene expression. Human Genomics, 2009, 3, 236-45.  | 2.9 | 10        |
| 1201 | Molecular Signature of HPV-Induced Carcinogenesis: pRb, p53 and Gene Expression Profiling. Current Genomics, 2009, 10, 26-34.   | 1.6 | 81        |
| 1202 | Functional Annotation of Genes Overlapping Copy Number Variants in Autistic Patients: Focus on Axon Pathfinding. Current Genomics, 2010, 11, 136-145.   | 1.6 | 29        |
| 1203 | Effect of mild restriction of food intake on gene expression profile in the liver of young rats: reference data for in vivo nutrigenomics study. British Journal of Nutrition, 2010, 104, 941-950.                                      | 2.3 | 16        |
| 1204 | Quercetin supplementation and its effect on human monocyte gene expression profiles <i>in vivo</i> . British Journal of Nutrition, 2010, 104, 336-345.  | 2.3 | 39        |
| 1205 | Evidence for a Novel Blood RNA Diagnostic for Pediatric Appendicitis. Pediatric Emergency Care, 2010, 26, 333-338.  | 0.9 | 13        |
| 1206 | Transcriptome Changes of Chronic Tubulointerstitial Damage in Early Kidney Transplantation. Transplantation, 2010, 89, 537-547.   | 1.0 | 27        |
| 1207 | An introduction to effective use of enrichment analysis software. Human Genomics, 2010, 4, 202.   | 2.9 | 60        |
| 1208 | Oxidative Stress: Emerging Mitochondrial and Cellular Themes and Variations in Neuronal Injury. Journal of Alzheimer's Disease, 2010, 20, S453-S473.  | 2.6 | 129       |
| 1209 | Novel systems biology insights using antifibrotic approaches for diabetic kidney disease. Expert Review of Endocrinology and Metabolism, 2010, 5, 127-135.  | 2.4 | 1         |
| 1210 | MicroRNAs 15a/16-1 function as tumor suppressor genes in multiple myeloma. Blood, 2010, , .   | 1.4 | 13        |
| 1211 | TNFRSF11B computational development network construction and analysis between frontal cortex of HIV encephalitis (HIVE) and HIVE-control patients. Journal of Inflammation, 2010, 7, 50.  | 3.4 | 24        |
| 1212 | Integrated biochemical and computational approach identifies BCL6 direct target genes controlling multiple pathways in normal germinal center B cells. Blood, 2010, 115, 975-984.   | 1.4 | 216       |
| 1213 | Down syndrome acute lymphoblastic leukemia, a highly heterogeneous disease in which aberrant expression of CRLF2 is associated with mutated JAK2: a report from the International BFM Study Group. Blood, 2010, 115, 1006-1017.         | 1.4 | 305       |
| 1214 | Transactivation of the dopamine receptor 3 gene by a single provirus integration results in development of B-cell lymphoma in transgenic mice generated from retrovirally transduced embryonic stem cells. Blood, 2010, 115, 3930-3938. | 1.4 | 0         |
| 1215 | Down-regulation of GATA1 uncouples STAT5-induced erythroid differentiation from stem/progenitor cell proliferation. Blood, 2010, 115, 4367-4376.  | 1.4 | 22        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1216 | Effects of TNF- $\alpha$ and IL-1 $\beta$ on the Activation of Genes Related to Inflammatory, Immune Responses and Cell Death in Immortalized Human HaCat Keratinocytes. International Journal of Immunopathology and Pharmacology, 2010, 23, 1057-1072.                   | 2.1 | 7         |
| 1217 | Intermittent Hypoxia Mobilizes Bone Marrow-Derived Very Small Embryonic-Like Stem Cells and Activates Developmental Transcriptional Programs in Mice. Sleep, 2010, 33, 1439-1446.  | 1.1 | 40        |
| 1218 | Differential gene expression of ewes varying in tolerance to dietary nitrate <sup>1</sup> . Journal of Animal Science, 2010, 88, 3187-3197.  | 0.5 | 10        |
| 1219 | Rhinovirus-induced modulation of gene expression in bronchial epithelial cells from subjects with asthma. Mucosal Immunology, 2010, 3, 69-80.  | 6.0 | 276       |
| 1220 | Transcriptional profiling of day 12 porcine embryonic disc and trophectoderm samples using ultra-deep sequencing technologies. Molecular Reproduction and Development, 2010, 77, 812-819.  | 2.0 | 16        |
| 1221 | Activation method does not alter abnormal placental gene expression and development in cloned pigs. Molecular Reproduction and Development, 2010, 77, 1016-1030.   | 2.0 | 20        |
| 1222 | Gene Expression in Skin and Lymphoblastoid Cells: Refined Statistical Method Reveals Extensive Overlap in cis-eQTL Signals. American Journal of Human Genetics, 2010, 87, 779-789.   | 6.2 | 169       |
| 1223 | Identification of LPS-inducible genes downregulated by ubiquinone in human THP-1 monocytes. BioFactors, 2010, 36, 222-228.   | 5.4 | 30        |
| 1224 | Shotgun Proteomics Analysis of Hibernating Arctic Ground Squirrels. Molecular and Cellular Proteomics, 2010, 9, 313-326.   | 3.8 | 81        |
| 1225 | Early alterations in heart gene expression profiles associated with doxorubicin cardiotoxicity in rats. Cancer Chemotherapy and Pharmacology, 2010, 66, 303-314.   | 2.3 | 62        |
| 1226 | Defining TNF- $\alpha$ and LPS-induced gene signatures in monocytes to unravel the complexity of peripheral blood transcriptomes in health and disease. Journal of Molecular Medicine, 2010, 88, 1065-1079.  | 3.9 | 18        |
| 1227 | Mitochondrial abnormalities in the putamen in Parkinson's disease dyskinesia. Acta Neuropathologica, 2010, 120, 623-631.   | 7.7 | 30        |
| 1228 | Genetics of keloid scarring. Archives of Dermatological Research, 2010, 302, 319-339.  | 1.9 | 210       |
| 1229 | Gene expression profiling for the investigation of soft tissue sarcoma pathogenesis and the identification of diagnostic, prognostic, and predictive biomarkers. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2010, 456, 141-151. | 2.8 | 43        |
| 1230 | Effect of mood stabilizers on gene expression in lymphoblastoid cells. Journal of Neural Transmission, 2010, 117, 155-164.   | 2.8 | 30        |
| 1231 | Modulation of gene expression in endothelial cells by hyperlipaemic postprandial serum from healthy volunteers. Genes and Nutrition, 2010, 5, 263-274.   | 2.5 | 10        |
| 1232 | Expression Profile of Rat Hippocampal Neurons Treated with the Neuroprotective Compound 2,4-Dinitrophenol: Up-Regulation of cAMP Signaling Genes. Neurotoxicity Research, 2010, 18, 112-123.   | 2.7 | 17        |
| 1233 | Gene Expression Profiling Reveals Differentially Expressed Genes in Ovarian Cancer of the Hen: Support for Oviductal Origin?. Hormones and Cancer, 2010, 1, 177-186.   | 4.9 | 38        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1234 | Comparative study on transcriptional responses of human neuronal cells to silica nanoparticles with different stabilizers. <i>Biochip Journal</i> , 2010, 4, 296-304.  | 4.9  | 1         |
| 1235 | Quantitative proteomic analysis of S-nitrosated proteins in diabetic mouse liver with ICAT switch method. <i>Protein and Cell</i> , 2010, 1, 675-687.  | 11.0 | 22        |
| 1236 | AFP computational secreted network construction and analysis between human hepatocellular carcinoma (HCC) and no-tumor hepatitis/cirrhotic liver tissues. <i>Tumor Biology</i> , 2010, 31, 417-425.                            | 1.8  | 37        |
| 1237 | A Common Neuronal Response to Alphaherpesvirus Infection. <i>Journal of NeuroImmune Pharmacology</i> , 2010, 5, 418-427.   | 4.1  | 32        |
| 1238 | Identification of novel epithelial ovarian cancer biomarkers by cross-laboratory microarray analysis. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2010, 30, 354-359.                  | 1.0  | 4         |
| 1239 | Characterization of the Human Cervical Mucous Proteome. <i>Clinical Proteomics</i> , 2010, 6, 18-28.   | 2.1  | 32        |
| 1240 | A Functional Role of RB-Dependent Pathway in the Control of Quiescence in Adult Epidermal Stem Cells Revealed by Genomic Profiling. <i>Stem Cell Reviews and Reports</i> , 2010, 6, 162-177.                                   | 5.6  | 18        |
| 1241 | Gene expression profiles in the PC-3 human prostate cancer cells induced by NKX3.1. <i>Molecular Biology Reports</i> , 2010, 37, 1505-1512.  | 2.3  | 12        |
| 1242 | Stem cell associated gene expression in glioblastoma multiforme: relationship to survival and the subventricular zone. <i>Journal of Neuro-Oncology</i> , 2010, 96, 359-367.   | 2.9  | 86        |
| 1243 | Effector T cells driving monophasic vs. relapsing/remitting experimental autoimmune uveitis show unique pathway signatures. <i>Molecular Immunology</i> , 2010, 48, 272-280.   | 2.2  | 26        |
| 1244 | Temporal gene expression changes induced by a low concentration of benzo[a]pyrene diol epoxide in a normal human cell line. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 684, 74-80. | 1.0  | 12        |
| 1245 | Genes regulated in MPTP-treated macaques and human Parkinson's disease suggest a common signature in prefrontal cortex. <i>Neurobiology of Disease</i> , 2010, 38, 386-394.  | 4.4  | 14        |
| 1246 | Transcriptional profiling of oral squamous cell carcinoma using formalin-fixed paraffin-embedded samples. <i>Oral Oncology</i> , 2010, 46, 379-386.  | 1.5  | 30        |
| 1247 | HIV-1 matrix protein p17: A candidate antigen for therapeutic vaccines against AIDS. , 2010, 128, 433-444.   |      | 39        |
| 1248 | Effect of Maternal Tobacco Smoke Exposure on the Placental Transcriptome. <i>Placenta</i> , 2010, 31, 186-191.   | 1.5  | 65        |
| 1249 | Global Gene Expression Changes Induced in the Human Placenta during Labor. <i>Placenta</i> , 2010, 31, 698-704.  | 1.5  | 41        |
| 1250 | Trophoblast invasion: Assessment of cellular models using gene expression signatures. <i>Placenta</i> , 2010, 31, 989-996.   | 1.5  | 163       |
| 1251 | Microarray analysis of Leflunomide-induced limb malformations in CD-1 mice. <i>Reproductive Toxicology</i> , 2010, 29, 42-48.  | 2.9  | 6         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1252 | Transcriptomics analysis of retinoic acid embryotoxicity in rat postimplantation whole embryo culture. <i>Reproductive Toxicology</i> , 2010, 30, 333-340.  | 2.9 | 28        |
| 1253 | The HOX Code as a "biological fingerprint" to distinguish functionally distinct stem cell populations derived from cord blood. <i>Stem Cell Research</i> , 2010, 5, 40-50.  | 0.7 | 74        |
| 1254 | PCB153-elicited hepatic responses in the immature, ovariectomized C57BL/6 mice: Comparative toxicogenomic effects of dioxin and non-dioxin-like ligands. <i>Toxicology and Applied Pharmacology</i> , 2010, 243, 359-371. | 2.8 | 47        |
| 1255 | AutoSOME: a clustering method for identifying gene expression modules without prior knowledge of cluster number. <i>BMC Bioinformatics</i> , 2010, 11, 117.   | 2.6 | 92        |
| 1256 | GOAL: A software tool for assessing biological significance of genes groups. <i>BMC Bioinformatics</i> , 2010, 11, 229.   | 2.6 | 27        |
| 1257 | PhenoFam-gene set enrichment analysis through protein structural information. <i>BMC Bioinformatics</i> , 2010, 11, 254.  | 2.6 | 6         |
| 1258 | Bayesian integrated modeling of expression data: a case study on RhoG. <i>BMC Bioinformatics</i> , 2010, 11, 295.   | 2.6 | 2         |
| 1259 | PCA2GO: a new multivariate statistics based method to identify highly expressed GO-Terms. <i>BMC Bioinformatics</i> , 2010, 11, 336.  | 2.6 | 4         |
| 1260 | Integration and visualization of systems biology data in context of the genome. <i>BMC Bioinformatics</i> , 2010, 11, 382.  | 2.6 | 31        |
| 1261 | Uncovering packaging features of co-regulated modules based on human protein interaction and transcriptional regulatory networks. <i>BMC Bioinformatics</i> , 2010, 11, 392.  | 2.6 | 10        |
| 1262 | TAM: A method for enrichment and depletion analysis of a microRNA category in a list of microRNAs. <i>BMC Bioinformatics</i> , 2010, 11, 419.   | 2.6 | 121       |
| 1263 | Asymmetric microarray data produces gene lists highly predictive of research literature on multiple cancer types. <i>BMC Bioinformatics</i> , 2010, 11, 483.  | 2.6 | 13        |
| 1264 | Trimming of mammalian transcriptional networks using network component analysis. <i>BMC Bioinformatics</i> , 2010, 11, 511.   | 2.6 | 14        |
| 1265 | PathEx: a novel multi factors based datasets selector web tool. <i>BMC Bioinformatics</i> , 2010, 11, 528.  | 2.6 | 4         |
| 1266 | Epigenetic domains found in mouse embryonic stem cells via a hidden Markov model. <i>BMC Bioinformatics</i> , 2010, 11, 557.  | 2.6 | 16        |
| 1267 | Schizophrenia and vitamin D related genes could have been subject to latitude-driven adaptation. <i>BMC Evolutionary Biology</i> , 2010, 10, 351.   | 3.2 | 32        |
| 1268 | Expression profiling of mouse embryonic fibroblasts with a deletion in the helicase domain of the Werner Syndrome gene homologue treated with hydrogen peroxide. <i>BMC Genomics</i> , 2010, 11, 127.                     | 2.8 | 12        |
| 1269 | Pediatric primary central nervous system germ cell tumors of different prognosis groups show characteristic miRNome traits and chromosome copy number variations. <i>BMC Genomics</i> , 2010, 11, 132.                    | 2.8 | 45        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1270 | Distribution of candidate genes for experimentally induced arthritis in rats. BMC Genomics, 2010, 11, 146.   | 2.8 | 2         |
| 1271 | Comparative transcriptomic analysis of follicle-enclosed oocyte maturational and developmental competence acquisition in two non-mammalian vertebrates. BMC Genomics, 2010, 11, 18.  | 2.8 | 41        |
| 1272 | Reciprocal regulation of metabolic and signaling pathways. BMC Genomics, 2010, 11, 197.  | 2.8 | 10        |
| 1273 | Downregulation of genes with a function in axon outgrowth and synapse formation in motor neurones of the VEGF $\beta$ mouse model of amyotrophic lateral sclerosis. BMC Genomics, 2010, 11, 203.                                   | 2.8 | 38        |
| 1274 | Whole transcriptome analysis of the hippocampus: toward a molecular portrait of epileptogenesis. BMC Genomics, 2010, 11, 230.  | 2.8 | 92        |
| 1275 | Identification of copy number variations and common deletion polymorphisms in cattle. BMC Genomics, 2010, 11, 232.   | 2.8 | 126       |
| 1276 | Comparison of clastogen-induced gene expression profiles in wild-type and DNA repair-deficient Rad54/Rad54B cells. BMC Genomics, 2010, 11, 24.   | 2.8 | 4         |
| 1277 | Systems genetics analysis of body weight and energy metabolism traits in <i>Drosophila melanogaster</i> . BMC Genomics, 2010, 11, 297.   | 2.8 | 84        |
| 1278 | Functional and gene network analyses of transcriptional signatures characterizing pre-weaned bovine mammary parenchyma or fat pad uncovered novel inter-tissue signaling networks during development. BMC Genomics, 2010, 11, 331. | 2.8 | 28        |
| 1279 | Benzo(a)pyrene induces similar gene expression changes in testis of DNA repair proficient and deficient mice. BMC Genomics, 2010, 11, 333.   | 2.8 | 14        |
| 1280 | Bioinformatic identification and characterization of human endothelial cell-restricted genes. BMC Genomics, 2010, 11, 342.   | 2.8 | 54        |
| 1281 | Transcriptomic analysis of dystrophin RNAi knockdown reveals a central role for dystrophin in muscle differentiation and contractile apparatus organization. BMC Genomics, 2010, 11, 345.  | 2.8 | 26        |
| 1282 | Transcriptional regulation of gene expression clusters in motor neurons following spinal cord injury. BMC Genomics, 2010, 11, 365.   | 2.8 | 36        |
| 1283 | A gene network switch enhances the oxidative capacity of ovine skeletal muscle during late fetal development. BMC Genomics, 2010, 11, 378.   | 2.8 | 27        |
| 1284 | Global transcriptional response to carbonic anhydrase IX deficiency in the mouse stomach. BMC Genomics, 2010, 11, 397.   | 2.8 | 11        |
| 1285 | Characterization of the equine skeletal muscle transcriptome identifies novel functional responses to exercise training. BMC Genomics, 2010, 11, 398.  | 2.8 | 81        |
| 1286 | A systems approach to mapping transcriptional networks controlling surfactant homeostasis. BMC Genomics, 2010, 11, 451.  | 2.8 | 28        |
| 1287 | Gene signatures in wound tissue as evidenced by molecular profiling in the chick embryo model. BMC Genomics, 2010, 11, 495.  | 2.8 | 15        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1288 | Comparative transcriptional profiling of the limbal epithelial crypt demonstrates its putative stem cell niche characteristics. BMC Genomics, 2010, 11, 526.  | 2.8 | 74        |
| 1289 | Identification of the Rage-dependent gene regulatory network in a mouse model of skin inflammation. BMC Genomics, 2010, 11, 537.  | 2.8 | 29        |
| 1290 | Dynamic transcriptomic profiles of zebrafish gills in response to zinc depletion. BMC Genomics, 2010, 11, 548.  | 2.8 | 26        |
| 1291 | Gene duplications in prokaryotes can be associated with environmental adaptation. BMC Genomics, 2010, 11, 588.  | 2.8 | 102       |
| 1292 | Transcriptomic analysis of the temporal host response to skin infestation with the ectoparasitic mite Psoroptes ovis. BMC Genomics, 2010, 11, 624.  | 2.8 | 32        |
| 1293 | Insights into metazoan evolution from alvinella pompejana cDNAs. BMC Genomics, 2010, 11, 634.   | 2.8 | 46        |
| 1294 | Bovine proteins containing poly-glutamine repeats are often polymorphic and enriched for components of transcriptional regulatory complexes. BMC Genomics, 2010, 11, 654.                               | 2.8 | 15        |
| 1295 | Analysis of transcript and protein overlap in a human osteosarcoma cell line. BMC Genomics, 2010, 11, 684.  | 2.8 | 13        |
| 1296 | Relationship between operon preference and functional properties of persistent genes in bacterial genomes. BMC Genomics, 2010, 11, 71.  | 2.8 | 24        |
| 1297 | Investigation gene and microRNA expression in glioblastoma. BMC Genomics, 2010, 11, S16.  | 2.8 | 36        |
| 1298 | Dynamics of dendritic cell maturation are identified through a novel filtering strategy applied to biological time-course microarray replicates. BMC Immunology, 2010, 11, 41.                          | 2.2 | 11        |
| 1299 | Gram-positive pathogenic bacteria induce a common early response in human monocytes. BMC Microbiology, 2010, 10, 275.   | 3.3 | 17        |
| 1300 | Gene expression profiling in brain of mice exposed to the marine neurotoxin ciguatoxin reveals an acute anti-inflammatory, neuroprotective response. BMC Neuroscience, 2010, 11, 107.                   | 1.9 | 31        |
| 1301 | Meta-analysis of archived DNA microarrays identifies genes regulated by hypoxia and involved in a metastatic phenotype in cancer cells. BMC Cancer, 2010, 10, 176.                                      | 2.6 | 14        |
| 1302 | Cellular processes of v-Src transformation revealed by gene profiling of primary cells - Implications for human cancer. BMC Cancer, 2010, 10, 41.   | 2.6 | 14        |
| 1303 | Expression profiling in canine osteosarcoma: identification of biomarkers and pathways associated with outcome. BMC Cancer, 2010, 10, 506.  | 2.6 | 47        |
| 1304 | Prioritizing genes associated with prostate cancer development. BMC Cancer, 2010, 10, 599.  | 2.6 | 28        |
| 1305 | Proteomic analysis of prolactinoma cells by immuno-laser capture microdissection combined with online two-dimensional nano-scale liquid chromatography/mass spectrometry. Proteome Science, 2010, 8, 2. | 1.7 | 24        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1306 | A comparative genome analysis of gene expression reveals different regulatory mechanisms between mouse and human embryo pre-implantation development. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 41. | 3.3  | 19        |
| 1307 | Impact of methoxyacetic acid on mouse Leydig cell gene expression. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 65.  | 3.3  | 14        |
| 1308 | A quantitative approach to study indirect effects among disease proteins in the human protein interaction network. <i>BMC Systems Biology</i> , 2010, 4, 103.  | 3.0  | 18        |
| 1309 | Molecular mechanistic associations of human diseases. <i>BMC Systems Biology</i> , 2010, 4, 124.   | 3.0  | 11        |
| 1310 | Noninvasive diagnosis of intraamniotic infection: proteomic biomarkers in vaginal fluid. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 203, 32.e1-32.e8.  | 1.3  | 44        |
| 1311 | Calcium signaling of thyrocytes is modulated by TSH through calcium binding protein expression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010, 1803, 352-360.                              | 4.1  | 12        |
| 1312 | Profiles of oxidative stress-related microRNA and mRNA expression in auditory cells. <i>Brain Research</i> , 2010, 1346, 14-25.  | 2.2  | 79        |
| 1313 | Integrated Genomic Analysis Identifies Clinically Relevant Subtypes of Glioblastoma Characterized by Abnormalities in PDGFRA, IDH1, EGFR, and NF1. <i>Cancer Cell</i> , 2010, 17, 98-110.                          | 16.8 | 6,138     |
| 1314 | From phenotype to gene: Detecting disease-specific gene functional modules via a text-based human disease phenotype network construction. <i>FEBS Letters</i> , 2010, 584, 3635-3643.                              | 2.8  | 17        |
| 1315 | Consequences of long-term oral administration of the mitochondria-targeted antioxidant MitoQ to wild-type mice. <i>Free Radical Biology and Medicine</i> , 2010, 48, 161-172.                                      | 2.9  | 193       |
| 1316 | Modulation of gene expression by $\alpha$ -tocopherol and $\alpha$ -tocopheryl phosphate in THP-1 monocytes. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1989-2000.                                       | 2.9  | 48        |
| 1317 | Gene expression profiling of Pseudorabies virus (PrV) infected bovine cells by combination of transcript analysis and quantitative proteomic techniques. <i>Veterinary Microbiology</i> , 2010, 143, 14-20.        | 1.9  | 20        |
| 1318 | Identification of the potential target genes of microRNA-146a induced by PMA treatment in human microvascular endothelial cells. <i>Experimental Cell Research</i> , 2010, 316, 1119-1126.                         | 2.6  | 18        |
| 1319 | Toxicogenomics and cancer risk assessment: A framework for key event analysis and dose-response assessment for nongenotoxic carcinogens. <i>Regulatory Toxicology and Pharmacology</i> , 2010, 58, 369-381.        | 2.7  | 31        |
| 1320 | Machine learning approach identifies new pathways associated with demyelination in a viral model of multiple sclerosis. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 434-448.                     | 3.6  | 53        |
| 1321 | Significant Downregulation of Platelet Gene Expression in Metastatic Lung Cancer. <i>Clinical and Translational Science</i> , 2010, 3, 227-232.  | 3.1  | 101       |
| 1322 | DNA damage and toxicogenomic analyses of hydrogen sulfide in human intestinal epithelial FHs 74 Int cells. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 304-314.                                     | 2.2  | 156       |
| 1323 | A systems biology approach to understanding atherosclerosis. <i>EMBO Molecular Medicine</i> , 2010, 2, 79-89.  | 6.9  | 69        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1324 | Integrated approach for the identification of human hepatocyte nuclear factor 4 $\beta$ target genes using protein binding microarrays. <i>Hepatology</i> , 2010, 51, 642-653.  | 7.3 | 151       |
| 1325 | MicroRNA-dependent regulation of DNA methyltransferase-1 and tumor suppressor gene expression by interleukin-6 in human malignant cholangiocytes. <i>Hepatology</i> , 2010, 51, NA-NA.  | 7.3 | 317       |
| 1326 | Genome-wide tissue-specific farnesoid X receptor binding in mouse liver and intestine. <i>Hepatology</i> , 2010, 51, 1410-1419.   | 7.3 | 173       |
| 1327 | Identification of a gene module associated with BMD through the integration of network analysis and genome-wide association data. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2359-2367.  | 2.8 | 78        |
| 1328 | Enhanced differentiation of human embryonic stem cells to mesenchymal progenitors by inhibition of TGF- $\beta$ 2/activin/nodal signaling using SB-431542. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 1216-1233.   | 2.8 | 102       |
| 1329 | Prolonged <i>Nrf1</i> overexpression triggers adipocyte inflammation and insulin resistance. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 1575-1585.  | 2.6 | 17        |
| 1330 | Selective control of gene expression by CDK9 in human cells. <i>Journal of Cellular Physiology</i> , 2010, 222, 200-208.  | 4.1 | 45        |
| 1331 | Gene expression in the efferent ducts, epididymis, and vas deferens during embryonic development of the mouse. <i>Developmental Dynamics</i> , 2010, 239, 2479-2491.  | 1.8 | 33        |
| 1332 | Linking transcriptomic and proteomic data on the level of protein interaction networks. <i>Electrophoresis</i> , 2010, 31, 1780-1789.   | 2.4 | 28        |
| 1333 | Analysis of whole genome biomarker expression in blood and brain. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010, 153B, 919-936.  | 1.7 | 149       |
| 1334 | Analysis of expressed sequence tags from a significant livestock pest, the stable fly ( <i>Stomoxys</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Archives of Insect Biochemistry and Physiology, 2010, 74, 179-204.   | 1.5 | 17        |
| 1335 | Developmental microRNA expression profiling of murine embryonic orofacial tissue. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2010, 88, 511-534.  | 1.6 | 44        |
| 1336 | Integrating genetic and toxicogenomic information for determining underlying susceptibility to developmental disorders. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2010, 88, 920-930.  | 1.6 | 10        |
| 1337 | A systems-based approach to investigate dose- and time-dependent methylmercury-induced gene expression response in C57BL/6 mouse embryos undergoing neurulation. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2010, 89, 188-200. | 1.4 | 13        |
| 1338 | Microarray analysis of cutaneous squamous cell carcinomas reveals enhanced expression of epidermal differentiation complex genes. <i>Molecular Carcinogenesis</i> , 2010, 49, 619-629.  | 2.7 | 36        |
| 1339 | Regulation of FGF $\beta$ 2 by an endogenous antisense RNA: Effects on cell adhesion and cell cycle progression. <i>Molecular Carcinogenesis</i> , 2010, 49, 1031-1044.   | 2.7 | 7         |
| 1340 | Proprotein convertase subtilisin/kexin type 9 (PCSK9) affects gene expression pathways beyond cholesterol metabolism in liver cells. <i>Journal of Cellular Physiology</i> , 2010, 224, 273-281.  | 4.1 | 60        |
| 1341 | Tocotrienols activity in MCF $\beta$ 7 breast cancer cells: Involvement of ER $\beta$ 2 signal transduction. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 669-678.  | 3.3 | 29        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1342 | Global gene expression profiles of ischemic preconditioning in deceased donor liver transplantation. Liver Transplantation, 2010, 16, NA-NA.  | 2.4  | 14        |
| 1343 | Quantitative proteomic analysis of ribosomal protein L35b mutant of <i>Saccharomyces cerevisiae</i> . Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 676-683.   | 2.3  | 3         |
| 1344 | Serum profile in preeclampsia and intra-uterine growth restriction revealed by iTRAQ technology. Journal of Proteomics, 2010, 73, 1004-1017.  | 2.4  | 55        |
| 1345 | Identification of JAK-STAT pathways as important for the anti-inflammatory activity of a <i>Hypericum perforatum</i> fraction and bioactive constituents in RAW 264.7 mouse macrophages. Phytochemistry, 2010, 71, 716-725.                                   | 2.9  | 24        |
| 1346 | Virus-host protein interactions in RNA viruses. Microbes and Infection, 2010, 12, 1134-1143.  | 1.9  | 33        |
| 1347 | High density gene expression microarrays and gene ontology analysis for identifying processes in implanted tissue engineering constructs. Biomaterials, 2010, 31, 8299-8312.  | 11.4 | 19        |
| 1348 | Genetic profiling of osteoblast-like cells cultured on a novel bone reconstructive material, consisting of poly-L-lactide, carbon nanotubes and microhydroxyapatite, in the presence of bone morphogenetic protein-2. Acta Biomaterialia, 2010, 6, 4352-4360. | 8.3  | 21        |
| 1349 | Fatty acid composition and gene expression profiles are altered in aryl hydrocarbon receptor-1 mutant <i>Caenorhabditis elegans</i> . Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 151, 318-324.                      | 2.6  | 22        |
| 1350 | Assembling Ligands In Situ Using Bioorthogonal Boronate Ester Synthesis. Chemistry and Biology, 2010, 17, 1171-1176.  | 6.0  | 34        |
| 1351 | Meta-analysis of microarray data: The case of imatinib resistance in chronic myelogenous leukemia. Computational Biology and Chemistry, 2010, 34, 184-192.  | 2.3  | 9         |
| 1352 | Akt regulates the expression of MafK, synaptotagmin I, and syntenin-1, which play roles in neuronal function. Journal of Biomedical Science, 2010, 17, 18.  | 7.0  | 12        |
| 1353 | A maternal low protein diet has pronounced effects on mitochondrial gene expression in offspring liver and skeletal muscle; protective effect of taurine. Journal of Biomedical Science, 2010, 17, S38.   | 7.0  | 43        |
| 1354 | Octamer-binding factor 6 (Oct-6/Pou3f1) is induced by interferon and contributes to dsRNA-mediated transcriptional responses. BMC Cell Biology, 2010, 11, 61.   | 3.0  | 12        |
| 1355 | Global transcriptional profiles of beating clusters derived from human induced pluripotent stem cells and embryonic stem cells are highly similar. BMC Developmental Biology, 2010, 10, 98.   | 2.1  | 76        |
| 1356 | Modeling complex genetic and environmental influences on comorbid bipolar disorder with tobacco use disorder. BMC Medical Genetics, 2010, 11, 14.   | 2.1  | 26        |
| 1357 | Protective effects and potential mechanisms of Pien Tze Huang on cerebral chronic ischemia and hypertensive stroke. Chinese Medicine, 2010, 5, 35.  | 4.0  | 14        |
| 1358 | GTC: A web server for integrating systems biology data with web tools and desktop applications. Source Code for Biology and Medicine, 2010, 5, 7.   | 1.7  | 2         |
| 1359 | Mural granulosa cell gene expression associated with oocyte developmental competence. Journal of Ovarian Research, 2010, 3, 6.  | 3.0  | 40        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1360 | Human duodenal proteome modulations by glutamine and antioxidants. <i>Proteomics - Clinical Applications</i> , 2010, 4, 325-336.  | 1.6 | 5         |
| 1361 | Gene expression correlation analysis predicts involvement of high- and low-confidence risk genes in different stages of prostate carcinogenesis. <i>Prostate</i> , 2010, 70, 1746-1759.                                   | 2.3 | 2         |
| 1362 | A proteome map of the pituitary melanotrope cell activated by black background adaptation of <i>Xenopus laevis</i> . <i>Proteomics</i> , 2010, 10, 574-580.   | 2.2 | 4         |
| 1363 | From proteome lists to biological impact—tools and strategies for the analysis of large MS data sets. <i>Proteomics</i> , 2010, 10, 1270-1283.  | 2.2 | 54        |
| 1364 | Pathway analysis of dilated cardiomyopathy using global proteomic profiling and enrichment maps. <i>Proteomics</i> , 2010, 10, 1316-1327.   | 2.2 | 55        |
| 1365 | Protein Information and Knowledge Extractor: Discovering biological information from proteomics data. <i>Proteomics</i> , 2010, 10, 3262-3271.  | 2.2 | 7         |
| 1366 | Identification of osteocyte-selective proteins. <i>Proteomics</i> , 2010, 10, 3688-3698.  | 2.2 | 49        |
| 1367 | Vitamin C Promotes Widespread Yet Specific DNA Demethylation of the Epigenome in Human Embryonic Stem Cells. <i>Stem Cells</i> , 2010, 28, 1848-1855.   | 3.2 | 156       |
| 1368 | Toward a complete <i>in silico</i> , multi-layered embryonic stem cell regulatory network. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2010, 2, 708-733.                                       | 6.6 | 21        |
| 1369 | Genes Associated With Alcohol Abuse and Tobacco Smoking in the Human Nucleus Accumbens and Ventral Tegmental Area. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 1291-1302.                           | 2.4 | 28        |
| 1370 | Ethanol Alters the Osteogenic Differentiation of Amniotic Fluid-Derived Stem Cells. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 1714-1722.  | 2.4 | 11        |
| 1371 | MicroRNA identity and abundance in porcine skeletal muscles determined by deep sequencing. <i>Animal Genetics</i> , 2010, 41, 159-168.  | 1.7 | 144       |
| 1372 | Global transcriptomic analysis of murine embryonic stem cell-derived brachyury <sup>+</sup> (T) cells. <i>Genes To Cells</i> , 2010, 15, 209-228.   | 1.2 | 5         |
| 1373 | Optimization of the culturing conditions of human umbilical cord blood-derived endothelial colony-forming cells under xeno-free conditions applying a transcriptomic approach. <i>Genes To Cells</i> , 2010, 15, 671-687. | 1.2 | 17        |
| 1374 | An oncogenic role of eIF3e/INT6 in human breast cancer. <i>Oncogene</i> , 2010, 29, 4080-4089.  | 5.9 | 53        |
| 1375 | An ESRP-regulated splicing programme is abrogated during the epithelial-mesenchymal transition. <i>EMBO Journal</i> , 2010, 29, 3286-3300.  | 7.8 | 346       |
| 1376 | Specific gene expression signature associated with development of autoimmune type-I diabetes using whole-blood microarray analysis. <i>Genes and Immunity</i> , 2010, 11, 269-278.  | 4.1 | 61        |
| 1377 | Global H4 acetylation analysis by ChIP-chip in systemic lupus erythematosus monocytes. <i>Genes and Immunity</i> , 2010, 11, 124-133.   | 4.1 | 113       |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1378 | MHC class II-associated proteins in B-cell exosomes and potential functional implications for exosome biogenesis. Immunology and Cell Biology, 2010, 88, 851-856.                            | 2.3  | 247       |
| 1379 | Blood orange juice inhibits fat accumulation in mice. International Journal of Obesity, 2010, 34, 578-588.   | 3.4  | 128       |
| 1380 | Correlation analysis between genome-wide expression profiles and cytoarchitectural abnormalities in the prefrontal cortex of psychiatric disorders. Molecular Psychiatry, 2010, 15, 326-336. | 7.9  | 118       |
| 1381 | Schizophrenia is associated with an increase in cortical microRNA biogenesis. Molecular Psychiatry, 2010, 15, 1176-1189.   | 7.9  | 396       |
| 1382 | Chromatin signature of embryonic pluripotency is established during genome activation. Nature, 2010, 464, 922-926.   | 27.8 | 340       |
| 1383 | Widespread transcription at neuronal activity-regulated enhancers. Nature, 2010, 465, 182-187.   | 27.8 | 2,120     |
| 1384 | Chronic high-fat diet in fathers programs $\beta$ -cell dysfunction in female rat offspring. Nature, 2010, 467, 963-966.   | 27.8 | 1,214     |
| 1385 | Global analysis of lysine ubiquitination by ubiquitin remnant immunoaffinity profiling. Nature Biotechnology, 2010, 28, 868-873.   | 17.5 | 460       |
| 1386 | Ontology engineering. Nature Biotechnology, 2010, 28, 128-130.   | 17.5 | 113       |
| 1387 | Applicability of coexpression networks analysis to anticancer drug targets discovery. Molecular Biology, 2010, 44, 326-333.  | 1.3  | 1         |
| 1388 | p53-independent upregulation of miR-34a during oncogene-induced senescence represses MYC. Cell Death and Differentiation, 2010, 17, 236-245.   | 11.2 | 314       |
| 1389 | A map of open chromatin in human pancreatic islets. Nature Genetics, 2010, 42, 255-259.  | 21.4 | 515       |
| 1390 | Amplification-free digital gene expression profiling from minute cell quantities. Nature Methods, 2010, 7, 619-621.  | 19.0 | 57        |
| 1391 | Trans-SILAC: sorting out the non-cell-autonomous proteome. Nature Methods, 2010, 7, 923-927.   | 19.0 | 30        |
| 1392 | Next-generation genomics: an integrative approach. Nature Reviews Genetics, 2010, 11, 476-486.   | 16.3 | 554       |
| 1393 | Statistical analysis strategies for association studies involving rare variants. Nature Reviews Genetics, 2010, 11, 773-785.   | 16.3 | 426       |
| 1394 | Glycotranscriptomics. , 2010, , 95-135.  |      | 3         |
| 1395 | In Search of a Function for BCLAF1. Scientific World Journal, The, 2010, 10, 1450-1461.  | 2.1  | 56        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1396 | Automated Network Analysis Identifies Core Pathways in Glioblastoma. PLoS ONE, 2010, 5, e8918.  | 2.5 | 318       |
| 1397 | Individual Variation in Pheromone Response Correlates with Reproductive Traits and Brain Gene Expression in Worker Honey Bees. PLoS ONE, 2010, 5, e9116.                            | 2.5 | 54        |
| 1398 | A New Strategy to Identify and Annotate Human RPE-Specific Gene Expression. PLoS ONE, 2010, 5, e9341.   | 2.5 | 72        |
| 1399 | Phenotypic Covariance of Longevity, Immunity and Stress Resistance in the Caenorhabditis Nematodes. PLoS ONE, 2010, 5, e9978.   | 2.5 | 36        |
| 1400 | Systematic Analysis of a Novel Human Renal Glomerulus-Enriched Gene Expression Dataset. PLoS ONE, 2010, 5, e11545.  | 2.5 | 71        |
| 1401 | Gene Network Disruptions and Neurogenesis Defects in the Adult Ts1Cje Mouse Model of Down Syndrome. PLoS ONE, 2010, 5, e11561.  | 2.5 | 44        |
| 1402 | Gene Expression Profiling of the Local Cecal Response of Genetic Chicken Lines That Differ in Their Susceptibility to Campylobacter jejuni Colonization. PLoS ONE, 2010, 5, e11827. | 2.5 | 69        |
| 1403 | NK Cell Terminal Differentiation: Correlated Stepwise Decrease of NKG2A and Acquisition of KIRs. PLoS ONE, 2010, 5, e11966.   | 2.5 | 179       |
| 1404 | Profiling and Functional Analyses of MicroRNAs and Their Target Gene Products in Human Uterine Leiomyomas. PLoS ONE, 2010, 5, e12362.   | 2.5 | 64        |
| 1405 | MicroRNA-218 Is Deleted and Downregulated in Lung Squamous Cell Carcinoma. PLoS ONE, 2010, 5, e12560.   | 2.5 | 100       |
| 1406 | Self-Contained Gene-Set Analysis of Expression Data: An Evaluation of Existing and Novel Methods. PLoS ONE, 2010, 5, e12693.  | 2.5 | 52        |
| 1407 | QKI-7 Regulates Expression of Interferon-Related Genes in Human Astrocyte Glioma Cells. PLoS ONE, 2010, 5, e13079.  | 2.5 | 8         |
| 1408 | Transcript Profiling of Elf5+ Mammary Glands during Pregnancy Identifies Novel Targets of Elf5. PLoS ONE, 2010, 5, e13150.  | 2.5 | 8         |
| 1409 | A Network of Cancer Genes with Co-Occurring and Anti-Co-Occurring Mutations. PLoS ONE, 2010, 5, e13180.   | 2.5 | 31        |
| 1410 | Gene Expression Profiling of U12-Type Spliceosome Mutant Drosophila Reveals Widespread Changes in Metabolic Pathways. PLoS ONE, 2010, 5, e13215.                                    | 2.5 | 26        |
| 1411 | Bypass Mechanisms of the Androgen Receptor Pathway in Therapy-Resistant Prostate Cancer Cell Models. PLoS ONE, 2010, 5, e13500.   | 2.5 | 88        |
| 1412 | Enrichment Map: A Network-Based Method for Gene-Set Enrichment Visualization and Interpretation. PLoS ONE, 2010, 5, e13984.   | 2.5 | 1,883     |
| 1413 | Phosphoproteomics Profiling of Human Skin Fibroblast Cells Reveals Pathways and Proteins Affected by Low Doses of Ionizing Radiation. PLoS ONE, 2010, 5, e14152.                    | 2.5 | 21        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1414 | The Reverse Transcription Inhibitor Abacavir Shows Anticancer Activity in Prostate Cancer Cell Lines. PLoS ONE, 2010, 5, e14221.  | 2.5  | 48        |
| 1415 | Chromatin Remodeling Pathways in Smooth Muscle Cell Differentiation, and Evidence for an Integral Role for p300. PLoS ONE, 2010, 5, e14301.   | 2.5  | 26        |
| 1416 | ZNF274 Recruits the Histone Methyltransferase SETDB1 to the 3' Ends of ZNF Genes. PLoS ONE, 2010, 5, e15082.  | 2.5  | 147       |
| 1417 | RNAi Screen of DAF-16/FOXO Target Genes in <i>C. elegans</i> Links Pathogenesis and Dauer Formation. PLoS ONE, 2010, 5, e15902.   | 2.5  | 27        |
| 1418 | Longissimus muscle transcriptome profiles related to carcass and meat quality traits in fresh meat PiÅ©train carcasses1. Journal of Animal Science, 2010, 88, 4044-4055.  | 0.5  | 40        |
| 1419 | Alterations in gene expression profiles correlated with cisplatin cytotoxicity in the glioma U343 cell line. Genetics and Molecular Biology, 2010, 33, 159-168.   | 1.3  | 17        |
| 1420 | Association Rule Based Similarity Measures for the Clustering of Gene Expression Data. Open Medical Informatics Journal, 2010, 4, 63-73.  | 1.0  | 15        |
| 1421 | Gene targeting and Calcium handling efficiencies in mouse embryonic stem cell lines. World Journal of Stem Cells, 2010, 2, 127.   | 2.8  | 6         |
| 1422 | A Two-tiered compensatory response to loss of DNA repair modulates aging and stress response pathways. Aging, 2010, 2, 133-159.   | 3.1  | 23        |
| 1423 | Reversal of preexisting hyperglycemia in diabetic mice by acute deletion of the <i>Men1</i> gene. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20358-20363.                          | 7.1  | 44        |
| 1424 | HIV-Exposed Seronegative Commercial Sex Workers Show a Quiescent Phenotype in the CD4 <sup>+</sup> T Cell Compartment and Reduced Expression of HIV-Dependent Host Factors. Journal of Infectious Diseases, 2010, 202, S339-S344.   | 4.0  | 104       |
| 1425 | SAFB1 Mediates Repression of Immune Regulators and Apoptotic Genes in Breast Cancer Cells. Journal of Biological Chemistry, 2010, 285, 3608-3616.   | 3.4  | 30        |
| 1426 | Expression of Genes Associated with Immunoproteasome Processing of Major Histocompatibility Complex Peptides Is Indicative of Protection with Adjuvanted RTS,S Malaria Vaccine. Journal of Infectious Diseases, 2010, 201, 580-589. | 4.0  | 115       |
| 1427 | Cell Sorting-Assisted Microarray Profiling of Host Cell Response to <i>Cryptosporidium parvum</i> Infection. Infection and Immunity, 2010, 78, 1040-1048.   | 2.2  | 17        |
| 1428 | MGMT modulates glioblastoma angiogenesis and response to the tyrosine kinase inhibitor sunitinib. Neuro-Oncology, 2010, 12, 822-833.  | 1.2  | 74        |
| 1429 | Gene Expression Profiles in a Rabbit Model of Systemic Lupus Erythematosus Autoantibody Production. Journal of Immunology, 2010, 185, 4446-4456.  | 0.8  | 8         |
| 1430 | Genome-wide assessment of differential roles for p300 and CBP in transcription regulation. Nucleic Acids Research, 2010, 38, 5396-5408.   | 14.5 | 133       |
| 1431 | A Critical Role for Ceramide Synthase 2 in Liver Homeostasis. Journal of Biological Chemistry, 2010, 285, 10911-10923.  | 3.4  | 200       |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1432 | Genomewide Association Analysis of Respiratory Syncytial Virus Infection in Mice. <i>Journal of Virology</i> , 2010, 84, 2257-2269.  | 3.4  | 15        |
| 1433 | The CrebA/Creb3-like transcription factors are major and direct regulators of secretory capacity. <i>Journal of Cell Biology</i> , 2010, 191, 479-492.   | 5.2  | 127       |
| 1434 | Role of microRNA-23b in flow-regulation of Rb phosphorylation and endothelial cell growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3234-3239.                                | 7.1  | 160       |
| 1435 | An EGFR autocrine loop encodes a slow-reacting but dominant mode of mechanotransduction in a polarized epithelium. <i>FASEB Journal</i> , 2010, 24, 1604-1615.   | 0.5  | 21        |
| 1436 | Functional analysis and identification of cis-regulatory elements of human chromosome 21 gene promoters. <i>Nucleic Acids Research</i> , 2010, 38, 6112-6123.  | 14.5 | 19        |
| 1437 | Immune Activation in Retinal Aging: A Gene Expression Study. , 2010, 51, 5888.   |      | 96        |
| 1438 | A large-scale study of differential gene expression in monocyte-derived macrophages infected with several strains of <i>Mycobacterium avium</i> subspecies paratuberculosis. <i>Briefings in Functional Genomics</i> , 2010, 9, 220-237. | 2.7  | 51        |
| 1439 | Molecular and phenotypic characterization of a mouse model of oculopharyngeal muscular dystrophy reveals severe muscular atrophy restricted to fast glycolytic fibres. <i>Human Molecular Genetics</i> , 2010, 19, 2191-2207.            | 2.9  | 78        |
| 1440 | Integrated Pathways for Neutrophil Recruitment and Inflammation in Leprosy. <i>Journal of Infectious Diseases</i> , 2010, 201, 558-569.  | 4.0  | 65        |
| 1441 | MSEA: a web-based tool to identify biologically meaningful patterns in quantitative metabolomic data. <i>Nucleic Acids Research</i> , 2010, 38, W71-W77.   | 14.5 | 582       |
| 1442 | Characterization of Macaque Pulmonary Fluid Proteome during Monkeypox Infection. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2760-2771.  | 3.8  | 16        |
| 1443 | Distinct roles for miRâ€1 and miRâ€133a in the proliferation and differentiation of rhabdomyosarcoma cells. <i>FASEB Journal</i> , 2010, 24, 3427-3437.  | 0.5  | 118       |
| 1444 | Identification of Methylmercury Tolerance Gene Candidates in <i>Drosophila</i> . <i>Toxicological Sciences</i> , 2010, 116, 225-238.   | 3.1  | 34        |
| 1445 | Proteome bioprofiles distinguish between M1 priming and activation states in human macrophages. <i>Journal of Leukocyte Biology</i> , 2010, 87, 655-662.   | 3.3  | 28        |
| 1446 | Neuronal MicroRNA Deregulation in Response to Alzheimer's Disease Amyloid-Î². <i>PLoS ONE</i> , 2010, 5, e11070.   | 2.5  | 183       |
| 1447 | Regulation of Cell Cycle Genes and Induction of Senescence by Overexpression of OTX2 in Medulloblastoma Cell Lines. <i>Molecular Cancer Research</i> , 2010, 8, 1344-1357.   | 3.4  | 45        |
| 1448 | Transcriptional Profiling by Deep Sequencing Identifies Differences in mRNA Transcript Abundance in In Vivo-Derived Versus In Vitro-Cultured Porcine Blastocyst Stage Embryos1. <i>Biology of Reproduction</i> , 2010, 83, 791-798.      | 2.7  | 66        |
| 1449 | ToppCluster: a multiple gene list feature analyzer for comparative enrichment clustering and network-based dissection of biological systems. <i>Nucleic Acids Research</i> , 2010, 38, W96-W102.   | 14.5 | 325       |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1450 | Spectral Clustering of Microarray Data Elucidates the Roles of Microenvironment Remodeling and Immune Responses in Survival of Head and Neck Squamous Cell Carcinoma. <i>Journal of Clinical Oncology</i> , 2010, 28, 2881-2888.        | 1.6 | 72        |
| 1451 | Microarray Analysis of Equine Endometrium at Days 8 and 12 of Pregnancy <sup>1</sup> . <i>Biology of Reproduction</i> , 2010, 83, 874-886.  | 2.7 | 81        |
| 1452 | Examination of transcriptional networks reveals an important role for TCFAP2C, SMARCA4, and EOMES in trophoblast stem cell maintenance. <i>Genome Research</i> , 2010, 20, 458-472.   | 5.5 | 118       |
| 1453 | N-WASP is a novel regulator of hair-follicle cycling that controls antiproliferative TGF $\beta$ <sup>2</sup> pathways. <i>Journal of Cell Science</i> , 2010, 123, 128-140.  | 2.0 | 36        |
| 1454 | ConceptGen: a gene set enrichment and gene set relation mapping tool. <i>Bioinformatics</i> , 2010, 26, 456-463.  | 4.1 | 134       |
| 1455 | Differential Roles of Sall4 Isoforms in Embryonic Stem Cell Pluripotency. <i>Molecular and Cellular Biology</i> , 2010, 30, 5364-5380.  | 2.3 | 157       |
| 1456 | Dynamic O-GlcNAc cycling at promoters of <i>Caenorhabditis elegans</i> genes regulating longevity, stress, and immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7413-7418. | 7.1 | 136       |
| 1457 | Differential epigenomic and transcriptomic responses in subcutaneous adipose tissue between low and high responders to caloric restriction. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 309-320.                          | 4.7 | 193       |
| 1458 | Monensin Is a Potent Inducer of Oxidative Stress and Inhibitor of Androgen Signaling Leading to Apoptosis in Prostate Cancer Cells. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 3175-3185.  | 4.1 | 80        |
| 1459 | Examination of Testicular Gene Expression Patterns in Yorkshire Pigs with High and Low Levels of Boar Taint. <i>Animal Biotechnology</i> , 2010, 21, 77-87.   | 1.5 | 18        |
| 1460 | Gene Expression Profiling of Mouse Oocytes and Preimplantation Embryos. <i>Methods in Enzymology</i> , 2010, 477, 457-480.  | 1.0 | 7         |
| 1461 | Brain transcriptomic analysis in paper wasps identifies genes associated with behaviour across social insect lineages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2139-2148.                           | 2.6 | 121       |
| 1462 | Upstream transcription factor 1 influences plasma lipid and metabolic traits in mice. <i>Human Molecular Genetics</i> , 2010, 19, 597-608.  | 2.9 | 30        |
| 1463 | Glycoprotein Capture and Quantitative Phosphoproteomics Indicate Coordinated Regulation of Cell Migration upon Lysophosphatidic Acid Stimulation. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2337-2353.                        | 3.8 | 13        |
| 1464 | The Mammalian Sin3 Proteins Are Required for Muscle Development and Sarcomere Specification. <i>Molecular and Cellular Biology</i> , 2010, 30, 5686-5697.   | 2.3 | 59        |
| 1465 | ACBP Knockdown Leads to Down-regulation of Genes Encoding Rate-limiting Enzymes in Cholesterol and Fatty Acid Metabolism. <i>Cellular Physiology and Biochemistry</i> , 2010, 25, 675-686.  | 1.6 | 22        |
| 1466 | Cyclosporin-A Induced Toxicity in Rat Renal Collecting Duct Cells: Interference with Enhanced Hypertonicity Induced Apoptosis. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 887-900.   | 1.6 | 11        |
| 1467 | Genetic Dependence of Central Corneal Thickness among Inbred Strains of Mice. , 2010, 51, 160.  |     | 47        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1468 | PHF8 Targets Histone Methylation and RNA Polymerase II To Activate Transcription. <i>Molecular and Cellular Biology</i> , 2010, 30, 3286-3298.   | 2.3 | 98        |
| 1469 | Distinct gene expression profiles characterize cellular responses to palmitate and oleate. <i>Journal of Lipid Research</i> , 2010, 51, 2121-2131.   | 4.2 | 29        |
| 1470 | Signaling pathways coupling phenomena. , 2010, , .   |     | 4         |
| 1471 | Functional Analysis of the Cdk7-Cyclin H-Mat1 Complex in Mouse Embryonic Stem Cells and Embryos. <i>Journal of Biological Chemistry</i> , 2010, 285, 15587-15598.  | 3.4 | 27        |
| 1472 | Parkinson Disease-associated DJ-1 Is Required for the Expression of the Glial Cell Line-derived Neurotrophic Factor Receptor RET in Human Neuroblastoma Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 18565-18574.  | 3.4 | 37        |
| 1473 | Estrogen-related Receptor $\beta$ Is a Key Regulator of Muscle Mitochondrial Activity and Oxidative Capacity. <i>Journal of Biological Chemistry</i> , 2010, 285, 22619-22629.   | 3.4 | 153       |
| 1474 | Gene expression centroids that link with low intrinsic aerobic exercise capacity and complex disease risk. <i>FASEB Journal</i> , 2010, 24, 4565-4574.   | 0.5 | 56        |
| 1475 | Parallel Genetic and Proteomic Screens Identify Mps as a CLASP-Abl Pathway Interactor in <i>Drosophila</i> . <i>Genetics</i> , 2010, 185, 1311-1325.   | 2.9 | 49        |
| 1476 | Cyclic Stretch Magnitude and Duration Affect Rat Alveolar Epithelial Gene Expression. <i>Cellular Physiology and Biochemistry</i> , 2010, 25, 113-122.   | 1.6 | 28        |
| 1477 | Maternal Hyperglycemia Modifies Extracellular Matrix Signaling Pathways in Neonatal Rat Lung. <i>Neonatology</i> , 2010, 98, 387-396.  | 2.0 | 7         |
| 1478 | &lt;i>RRM2&lt;/i> Computational Phosphoprotein Network Construction and Analysis between No-Tumor Hepatitis/Cirrhotic Liver Tissues and Human Hepatocellular Carcinoma (HCC). <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 303-310.                         | 1.6 | 35        |
| 1479 | Reference Profile Correlation Reveals Estrogen-like Transcriptional Activity of Curcumin. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 471-482.   | 1.6 | 73        |
| 1480 | High-Density Lipoprotein Suppresses the Type I Interferon Response, a Family of Potent Antiviral Immunoregulators, in Macrophages Challenged With Lipopolysaccharide. <i>Circulation</i> , 2010, 122, 1919-1927.   | 1.6 | 116       |
| 1481 | â€˜Youngâ€™ Oral Fibroblasts Are Geno/Phenotypically Distinct. <i>Journal of Dental Research</i> , 2010, 89, 1407-1413.  | 5.2 | 31        |
| 1482 | Global Gene Expression Profiling of <i>Yersinia pestis</i> Replicating inside Macrophages Reveals the Roles of a Putative Stress-Induced Operon in Regulating Type III Secretion and Intracellular Cell Division. <i>Infection and Immunity</i> , 2010, 78, 3700-3715. | 2.2 | 37        |
| 1483 | Female-Biased Expression on the X Chromosome as a Key Step in Sex Chromosome Evolution in Threespine Sticklebacks. <i>Molecular Biology and Evolution</i> , 2010, 27, 1495-1503.   | 8.9 | 86        |
| 1484 | Deficiency in the 15-kDa Selenoprotein Inhibits Tumorigenicity and Metastasis of Colon Cancer Cells. <i>Cancer Prevention Research</i> , 2010, 3, 630-639.   | 1.5 | 76        |
| 1485 | Evolution of alternative splicing in primate brain transcriptomes. <i>Human Molecular Genetics</i> , 2010, 19, 2958-2973.  | 2.9 | 47        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1486 | Rankâ€‘rank hypergeometric overlap: identification of statistically significant overlap between gene-expression signatures. Nucleic Acids Research, 2010, 38, e169-e169.   | 14.5 | 357       |
| 1487 | Female sex and estrogen receptor- $\beta$ attenuate cardiac remodeling and apoptosis in pressure overload. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1597-R1606. | 1.8  | 205       |
| 1488 | <i>ATF3</i> , an adaptive-response gene, enhances TGF $\beta$ signaling and cancer-initiating cell features in breast cancer cells. Journal of Cell Science, 2010, 123, 3558-3565.                                     | 2.0  | 152       |
| 1489 | Identification of Subtypes in Human Epidermal Growth Factor Receptor 2â€‘Positive Breast Cancer Reveals a Gene Signature Prognostic of Outcome. Journal of Clinical Oncology, 2010, 28, 1813-1820.                     | 1.6  | 145       |
| 1490 | Biomedical Informatics for Cancer Research. , 2010, , .  |      | 13        |
| 1491 | GLD-2/RNP-8 cytoplasmic poly(A) polymerase is a broad-spectrum regulator of the oogenesis program. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17445-17450.            | 7.1  | 65        |
| 1492 | Exon-Level Microarray Analyses Identify Alternative Splicing Programs in Breast Cancer. Molecular Cancer Research, 2010, 8, 961-974.   | 3.4  | 121       |
| 1493 | Macaque Proteome Response to Highly Pathogenic Avian Influenza and 1918 Reassortant Influenza Virus Infections. Journal of Virology, 2010, 84, 12058-12068.  | 3.4  | 36        |
| 1494 | Hedgehog pathway-regulated gene networks in cerebellum development and tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9736-9741.                           | 7.1  | 109       |
| 1495 | Dampened activity of E2F1â€‘DP and Mybâ€‘MuvB transcription factors in <i>Drosophila</i> endocycling cells. Journal of Cell Science, 2010, 123, 4095-4106.   | 2.0  | 44        |
| 1496 | Of mice and men: comparative proteomics of bronchoalveolar fluid. European Respiratory Journal, 2010, 35, 1388-1395.   | 6.7  | 43        |
| 1497 | Intrinsic Depot-Specific Differences in the Secretome of Adipose Tissue, Preadipocytes, and Adipose Tissueâ€‘Derived Microvascular Endothelial Cells. Diabetes, 2010, 59, 3008-3016.                                   | 0.6  | 108       |
| 1498 | Coordinate Interaction between IL-13 and Epithelial Differentiation Cluster Genes in Eosinophilic Esophagitis. Journal of Immunology, 2010, 184, 4033-4041.  | 0.8  | 257       |
| 1499 | Genetic Associations of Variants in Genes Encoding HIVâ€‘Dependency Factors Required for HIVâ€‘1 Infection. Journal of Infectious Diseases, 2010, 202, 1836-1845.  | 4.0  | 29        |
| 1500 | Immunobiological Characterization of Cancer Stem Cells Isolated from Glioblastoma Patients. Clinical Cancer Research, 2010, 16, 800-813.   | 7.0  | 295       |
| 1501 | Differential Gene Expression in Adipose Stem Cells Cultured in Allogeneic Human Serum Versus Fetal Bovine Serum. Tissue Engineering - Part A, 2010, 16, 2281-2294.   | 3.1  | 82        |
| 1502 | Analysis of Self-Inactivating Lentiviral Vector Integration Sites and Flanking Gene Expression in Human Peripheral Blood Progenitor Cells After Alkylator Chemotherapy. Human Gene Therapy, 2010, 21, 943-956.         | 2.7  | 7         |
| 1503 | A Double-Layered Mixture Model for the Joint Analysis of DNA Copy Number and Gene Expression Data. Journal of Computational Biology, 2010, 17, 121-137.  | 1.6  | 16        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1504 | Foxa1 and Foxa2 Maintain the Metabolic and Secretory Features of the Mature $\beta^2$ -Cell. <i>Molecular Endocrinology</i> , 2010, 24, 1594-1604.   | 3.7  | 105       |
| 1505 | Deciphering the Mesodermal Potency of Porcine Skin-Derived Progenitors (SKP) by Microarray Analysis. <i>Cellular Reprogramming</i> , 2010, 12, 161-173.  | 0.9  | 8         |
| 1506 | An Integrative Scoring Approach to Identify Transcriptional Regulations Controlling Lung Surfactant Homeostasis. , 2010, , .   |      | 0         |
| 1507 | Quantitative Proteomic Analysis of Formalin-fixed and Paraffin-embedded Nasopharyngeal Carcinoma Using iTRAQ Labeling, Two-dimensional Liquid Chromatography, and Tandem Mass Spectrometry. <i>Journal of Histochemistry and Cytochemistry</i> , 2010, 58, 517-527.            | 2.5  | 80        |
| 1508 | Microarray Analysis and Draft Genomes of Two <i>Escherichia coli</i> O157:H7 Lineage II Cattle Isolates FRIK966 and FRIK2000 Investigating Lack of Shiga Toxin Expression. <i>Foodborne Pathogens and Disease</i> , 2010, 7, 763-773.  | 1.8  | 15        |
| 1509 | Discovery and assessment of gene-disease associations by integrated analysis of scientific literature and microarray data. , 2010, , .   |      | 2         |
| 1510 | Molecular Characterization of Cultured Adult Human Liver Progenitor Cells. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 821-834.  | 2.1  | 13        |
| 1511 | Dynamics of Protein Damage in Yeast Frataxin Mutant Exposed to Oxidative Stress. <i>OMICS A Journal of Integrative Biology</i> , 2010, 14, 689-699.  | 2.0  | 15        |
| 1512 | Trinucleotide repeats in human genome and exome. <i>Nucleic Acids Research</i> , 2010, 38, 4027-4039.  | 14.5 | 124       |
| 1513 | In vivo actin cross-linking induced by <i>Vibrio cholerae</i> type VI secretion system is associated with intestinal inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4365-4370.                              | 7.1  | 197       |
| 1514 | Characterization of the xenobiotic response of <i>Caenorhabditis elegans</i> to the anthelmintic drug albendazole and the identification of novel drug glucoside metabolites. <i>Biochemical Journal</i> , 2010, 432, 505-516.   | 3.7  | 59        |
| 1515 | Using molecular classification to predict gains in maximal aerobic capacity following endurance exercise training in humans. <i>Journal of Applied Physiology</i> , 2010, 108, 1487-1496.  | 2.5  | 296       |
| 1516 | In Situ trans Ligands of CD22 Identified by Glycan-Protein Photocross-linking-enabled Proteomics. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1339-1351.   | 3.8  | 79        |
| 1517 | A Comprehensive Proteomics and Transcriptomics Analysis of <i>Bacillus subtilis</i> Salt Stress Adaptation. <i>Journal of Bacteriology</i> , 2010, 192, 870-882.   | 2.2  | 175       |
| 1518 | Dietary iron-deficient anemia induces a variety of metabolic changes and even apoptosis in rat liver: a DNA microarray study. <i>Physiological Genomics</i> , 2010, 42, 149-156.   | 2.3  | 45        |
| 1519 | Autoantibodies Against the Exocrine Pancreas in Autoimmune Pancreatitis: Gene and Protein Expression Profiling and Immunoassays Identify Pancreatic Enzymes as a Major Target of the Inflammatory Process. <i>American Journal of Gastroenterology</i> , 2010, 105, 2060-2071. | 0.4  | 126       |
| 1520 | Altered Gene Expression Profiles in the Brain, Kidney, and Lung of Deceased Neonatal Cloned Pigs. <i>Cellular Reprogramming</i> , 2010, 12, 589-597.   | 0.9  | 11        |
| 1521 | Enhanced Function of Prefrontal Serotonin 5-HT <sub>2</sub> Receptors in a Rat Model of Psychiatric Vulnerability. <i>Journal of Neuroscience</i> , 2010, 30, 12138-12150.   | 3.6  | 78        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1522 | Molecular Basis for Hair Loss in Mice Carrying a Novel Nonsense Mutation (Hrrh-R) in the Hairless Gene (Hr). <i>Veterinary Pathology</i> , 2010, 47, 167-176.  | 1.7  | 10        |
| 1523 | Existence of CD8 $\alpha$ -Like Dendritic Cells with a Conserved Functional Specialization and a Common Molecular Signature in Distant Mammalian Species. <i>Journal of Immunology</i> , 2010, 185, 3313-3325.                   | 0.8  | 107       |
| 1524 | Genome-wide interrogation of hepatic FXR reveals an asymmetric IR-1 motif and synergy with LRH-1. <i>Nucleic Acids Research</i> , 2010, 38, 6007-6017.   | 14.5 | 79        |
| 1525 | PathWave: discovering patterns of differentially regulated enzymes in metabolic pathways. <i>Bioinformatics</i> , 2010, 26, 1225-1231.   | 4.1  | 26        |
| 1526 | Cdx2 regulates endo-lysosomal function and epithelial cell polarity. <i>Genes and Development</i> , 2010, 24, 1295-1305.   | 5.9  | 75        |
| 1527 | Testosterone-induced permanent changes of hepatic gene expression in female mice sustained during <i>Plasmodium chabaudi</i> malaria infection. <i>Journal of Molecular Endocrinology</i> , 2010, 45, 379-390.                   | 2.5  | 28        |
| 1528 | Site-specific Phosphorylation Dynamics of the Nuclear Proteome during the DNA Damage Response. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1314-1323.  | 3.8  | 225       |
| 1529 | Ablation of Indian Hedgehog in the Murine Uterus Results in Decreased Cell Cycle Progression, Aberrant Epidermal Growth Factor Signaling, and Increased Estrogen Signaling1. <i>Biology of Reproduction</i> , 2010, 82, 783-790. | 2.7  | 62        |
| 1530 | Hepatocyte Nuclear Factor-4 $\alpha$ Promotes Gut Neoplasia in Mice and Protects against the Production of Reactive Oxygen Species. <i>Cancer Research</i> , 2010, 70, 9423-9433.  | 0.9  | 89        |
| 1531 | Genome-wide expression profile of LHON patients with the 11778 mutation. <i>British Journal of Ophthalmology</i> , 2010, 94, 256-259.  | 3.9  | 17        |
| 1532 | Genomic Profiling of MicroRNAs and Messenger RNAs Reveals Hormonal Regulation in MicroRNA Expression in Human Endometrium1. <i>Biology of Reproduction</i> , 2010, 82, 791-801.  | 2.7  | 259       |
| 1533 | The liver X-receptor gene promoter is hypermethylated in a mouse model of prenatal protein restriction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R275-R282.        | 1.8  | 131       |
| 1534 | A two-parameter generalized Poisson model to improve the analysis of RNA-seq data. <i>Nucleic Acids Research</i> , 2010, 38, e170-e170.  | 14.5 | 131       |
| 1535 | NF $\kappa$ B-related factor 2 regulates the stress response to UVA $\alpha$ -oxidized phospholipids in skin cells. <i>FASEB Journal</i> , 2010, 24, 39-48.  | 0.5  | 71        |
| 1536 | Aging-Related Gene Expression in Hippocampus Proper Compared with Dentate Gyrus Is Selectively Associated with Metabolic Syndrome Variables in Rhesus Monkeys. <i>Journal of Neuroscience</i> , 2010, 30, 6058-6071.             | 3.6  | 53        |
| 1537 | Targets of the Tal1 Transcription Factor in Erythrocytes. <i>Journal of Biological Chemistry</i> , 2010, 285, 5338-5346.   | 3.4  | 16        |
| 1538 | Molecular signatures and new candidates to target the pathogenesis of rheumatoid arthritis. <i>Physiological Genomics</i> , 2010, 42A, 267-282.  | 2.3  | 114       |
| 1539 | The <i>Drosophila</i> nuclear receptors DHR3 and FTZ-F1 control overlapping developmental responses in late embryos. <i>Development (Cambridge)</i> , 2010, 137, 123-131.  | 2.5  | 77        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1540 | Strong synaptic transmission impact by copy number variations in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10584-10589.   | 7.1  | 212       |
| 1541 | Interactome analysis of longitudinal pharyngeal infection of cynomolgus macaques by group A <i>Streptococcus</i> . Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4693-4698.                      | 7.1  | 30        |
| 1542 | GtLay: community structure analysis of biological networks. Bioinformatics, 2010, 26, 3135-3137.   | 4.1  | 241       |
| 1543 | Inference of combinatorial Boolean rules of synergistic gene sets from cancer microarray datasets. Bioinformatics, 2010, 26, 1506-1512.  | 4.1  | 12        |
| 1544 | Identification of differential protein interactors of lamin A and progerin. Nucleus, 2010, 1, 513-525.   | 2.2  | 81        |
| 1545 | Cytokine-Induced Monocyte Characteristics in SLE. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-13.  | 3.0  | 21        |
| 1546 | Deep SAGE analysis of the <i>Caenorhabditis elegans</i> transcriptome. Nucleic Acids Research, 2010, 38, 3252-3262.  | 14.5 | 16        |
| 1547 | Cre-loxP DNA recombination is possible with only minimal unspecific transcriptional changes and without cardiomyopathy in Tg(I±MHC-MerCreMer) mice. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H1671-H1678. | 3.2  | 34        |
| 1548 | Pathogen Specific, IRF3-Dependent Signaling and Innate Resistance to Human Kidney Infection. PLoS Pathogens, 2010, 6, e1001109.  | 4.7  | 68        |
| 1549 | Genomic Analysis Highlights the Role of the JAK-STAT Signaling in the Anti-Proliferative Effects of Dietary Flavonoid "Ashwagandha"™ in Prostate Cancer Cells. Evidence-based Complementary and Alternative Medicine, 2010, 7, 177-187.        | 1.2  | 51        |
| 1550 | Capture Compound Mass Spectrometry Sheds Light on the Molecular Mechanisms of Liver Toxicity of Two Parkinson Drugs. Toxicological Sciences, 2010, 113, 243-253.   | 3.1  | 34        |
| 1551 | Conditional deletion of <i>Abca3</i> in alveolar type II cells alters surfactant homeostasis in newborn and adult mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 298, L646-L659.                         | 2.9  | 58        |
| 1552 | Altered Gene Expression and DNA Damage in Peripheral Blood Cells from Friedreich's Ataxia Patients: Cellular Model of Pathology. PLoS Genetics, 2010, 6, e1000812.   | 3.5  | 93        |
| 1553 | Gene Expression Variability within and between Human Populations and Implications toward Disease Susceptibility. PLoS Computational Biology, 2010, 6, e1000910.  | 3.2  | 85        |
| 1554 | Deciphering Normal Blood Gene Expression Variation "The NOWAC Postgenome Study. PLoS Genetics, 2010, 6, e1000873.  | 3.5  | 76        |
| 1555 | Proteomic analysis of brush-border membrane vesicles isolated from purified proximal convoluted tubules. American Journal of Physiology - Renal Physiology, 2010, 298, F1323-F1331.  | 2.7  | 32        |
| 1556 | Uniformly curated signaling pathways reveal tissue-specific cross-talks and support drug target discovery. Bioinformatics, 2010, 26, 2042-2050.  | 4.1  | 72        |
| 1557 | Interpretation of Toxicogenomics Data. , 2010, , 663-683.  |      | 0         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1558 | Genome-Wide mRNA Expression Correlates of Viral Control in CD4+ T-Cells from HIV-1-Infected Individuals. <i>PLoS Pathogens</i> , 2010, 6, e1000781.   | 4.7  | 158       |
| 1559 | The Arf tumor suppressor protein inhibits Miz1 to suppress cell adhesion and induce apoptosis. <i>Journal of Cell Biology</i> , 2010, 188, 905-918.   | 5.2  | 37        |
| 1560 | The Stanley Neuropathology Consortium Integrative Database: a Novel, Web-Based Tool for Exploring Neuropathological Markers in Psychiatric Disorders and the Biological Processes Associated with Abnormalities of Those Markers. <i>Neuropsychopharmacology</i> , 2010, 35, 473-482. | 5.4  | 75        |
| 1561 | Genome-Wide Profiling of p63 DNA-Binding Sites Identifies an Element that Regulates Gene Expression during Limb Development in the 7q21 SHFM1 Locus. <i>PLoS Genetics</i> , 2010, 6, e1001065.  | 3.5  | 169       |
| 1562 | Finding the “Dark Matter” in Human and Yeast Protein Network Prediction and Modelling. <i>PLoS Computational Biology</i> , 2010, 6, e1000945.   | 3.2  | 21        |
| 1563 | Transcriptional Regulation by CHIP/LDB Complexes. <i>PLoS Genetics</i> , 2010, 6, e1001063.   | 3.5  | 28        |
| 1564 | Co-ordinated Gene Expression in the Liver and Spleen during <i>Schistosoma japonicum</i> Infection Regulates Cell Migration. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e686.   | 3.0  | 40        |
| 1565 | A novel approach to analyze gene expression data demonstrates that the I <sup>1</sup> F508 mutation in CFTR downregulates the antigen presentation pathway. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 298, L473-L482.                    | 2.9  | 21        |
| 1566 | Hyperglycemic conditions modulate connective tissue reorganization by human vascular smooth muscle cells through stimulation of hyaluronan synthesis. <i>Glycobiology</i> , 2010, 20, 1117-1126.  | 2.5  | 27        |
| 1567 | Many sequence-specific chromatin modifying protein-binding motifs show strong positional preferences for potential regulatory regions in the <i>Saccharomyces cerevisiae</i> genome. <i>Nucleic Acids Research</i> , 2010, 38, 1772-1779.   | 14.5 | 21        |
| 1568 | The genome sequence of the spontaneously hypertensive rat: Analysis and functional significance. <i>Genome Research</i> , 2010, 20, 791-803.  | 5.5  | 84        |
| 1569 | Gene expression profiling of the short-term adaptive response to acute caloric restriction in liver and adipose tissues of pigs differing in feed efficiency. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R494-R507.       | 1.8  | 83        |
| 1570 | Electrical signals affect the cardiomyocyte transcriptome independently of contraction. <i>Physiological Genomics</i> , 2010, 42A, 283-289.   | 2.3  | 31        |
| 1571 | IKK $\beta$ Leads to an Inflammatory Skin Disease Resembling Interface Dermatitis. <i>Journal of Investigative Dermatology</i> , 2010, 130, 1598-1610.  | 0.7  | 35        |
| 1572 | Regulation of Human Skin Pigmentation in situ by Repetitive UV Exposure: Molecular Characterization of Responses to UVA and/or UVB. <i>Journal of Investigative Dermatology</i> , 2010, 130, 1685-1696.   | 0.7  | 80        |
| 1573 | Cross-species comparison of genomewide gene expression profiles reveals induction of hypoxia-inducible factor-responsive genes in iron-deprived intestinal epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C930-C938.                          | 4.6  | 22        |
| 1574 | Off-pump coronary artery bypass surgery is associated with fewer gene expression changes in the human myocardium in comparison with on-pump surgery. <i>Physiological Genomics</i> , 2010, 42, 67-75.   | 2.3  | 27        |
| 1575 | EPS8 upregulates FOXM1 expression, enhancing cell growth and motility. <i>Carcinogenesis</i> , 2010, 31, 1132-1141.   | 2.8  | 47        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1576 | Gene Expression Profiling in Wild-Type and PPAR-Null Mice Exposed to Perfluorooctane Sulfonate Reveals PPAR-Independent Effects. <i>PPAR Research</i> , 2010, 2010, 1-23.  | 2.4 | 100       |
| 1577 | RB-pathway disruption in breast cancer. <i>Cell Cycle</i> , 2010, 9, 4153-4163.  | 2.6 | 163       |
| 1578 | The Association of Multiple Interacting Genes with Specific Phenotypes in Rice Using Gene Coexpression Networks. <i>Plant Physiology</i> , 2010, 154, 13-24.   | 4.8 | 93        |
| 1579 | Urinary-Type Plasminogen Activator Receptor/ $\alpha$ 3 $\beta$ 1 Integrin Signaling, Altered Gene Expression, and Oral Tumor Progression. <i>Molecular Cancer Research</i> , 2010, 8, 145-158.  | 3.4 | 23        |
| 1580 | Therapeutic implications of down-regulation of cyclophilin D in bipolar disorder. <i>International Journal of Neuropsychopharmacology</i> , 2010, 13, 1355-1368.   | 2.1 | 26        |
| 1581 | Accelerated Ovarian Aging in the Absence of the Transcription Regulator TAF4B in Mice. <i>Biology of Reproduction</i> , 2010, 82, 23-34.   | 2.7 | 34        |
| 1582 | Constitutive Activation of Smoothed Leads to Female Infertility and Altered Uterine Differentiation in the Mouse. <i>Biology of Reproduction</i> , 2010, 82, 991-999.  | 2.7 | 47        |
| 1583 | miR-125b-2 is a potential oncomiR on human chromosome 21 in megakaryoblastic leukemia. <i>Genes and Development</i> , 2010, 24, 478-490.   | 5.9 | 202       |
| 1584 | Aurora kinase A as a rational target for therapy in glioblastoma. <i>Journal of Neurosurgery: Pediatrics</i> , 2010, 6, 98-105.  | 1.3 | 39        |
| 1585 | The Plasma Microparticle Proteome. <i>Seminars in Thrombosis and Hemostasis</i> , 2010, 36, 845-856.   | 2.7 | 45        |
| 1586 | Effects of Age on the Synergistic Interactions between Lipopolysaccharide and Mechanical Ventilation in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 43, 475-486.   | 2.9 | 40        |
| 1587 | Using Expression Genetics to Study the Neurobiology of Ethanol and Alcoholism. <i>International Review of Neurobiology</i> , 2010, 91, 95-128.   | 2.0 | 41        |
| 1588 | Cutaneous Anaplastic Large Cell Lymphoma and Peripheral T-Cell Lymphoma NOS Show Distinct Chromosomal Alterations and Differential Expression of Chemokine Receptors and Apoptosis Regulators. <i>Journal of Investigative Dermatology</i> , 2010, 130, 563-575. | 0.7 | 62        |
| 1589 | Scalp fibroblasts have a shared expression profile in monogenic craniosynostosis. <i>Journal of Medical Genetics</i> , 2010, 47, 803-808.  | 3.2 | 15        |
| 1590 | Differential Endometrial Gene Expression in Pregnant and Nonpregnant Sows. <i>Biology of Reproduction</i> , 2010, 83, 277-285.   | 2.7 | 88        |
| 1591 | Global metabolic consequences of the chromogranin A-null model of hypertension: transcriptomic detection, pathway identification, and experimental verification. <i>Physiological Genomics</i> , 2010, 40, 195-207.  | 2.3 | 16        |
| 1592 | REDD1 Is a Major Target of Testosterone Action in Preventing Dexamethasone-Induced Muscle Loss. <i>Endocrinology</i> , 2010, 151, 1050-1059.   | 2.8 | 58        |
| 1593 | An integrated genomic analysis of gene-function correlation on schizophrenia susceptibility genes. <i>Journal of Human Genetics</i> , 2010, 55, 285-292.   | 2.3 | 49        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1594 | Defective erythroid differentiation in miR-451 mutant mice mediated by 14-3-3 $\eta$ . <i>Genes and Development</i> , 2010, 24, 1614-1619.   | 5.9 | 156       |
| 1595 | Forty-eight hours of unloading and 24 h of reloading lead to changes in global gene expression patterns related to ubiquitination and oxidative stress in humans. <i>Journal of Applied Physiology</i> , 2010, 109, 1404-1415.   | 2.5 | 74        |
| 1596 | Gene expression in hypothalamus, liver, and adipose tissues and food intake response to melanocortin-4 receptor agonist in pigs expressing melanocortin-4 receptor mutations. <i>Physiological Genomics</i> , 2010, 41, 254-268. | 2.3 | 16        |
| 1597 | From raw materials to validated system: the construction of a genomic library and microarray to interpret systemic perturbations in Northern bobwhite. <i>Physiological Genomics</i> , 2010, 42, 219-235.                        | 2.3 | 55        |
| 1598 | Natural Variation, Functional Pleiotropy and Transcriptional Contexts of <i>Odorant Binding Protein</i> Genes in <i>Drosophila melanogaster</i>. <i>Genetics</i> , 2010, 186, 1475-1485.   | 2.9 | 57        |
| 1599 | Equivalence testing in microarray analysis: similarities in the transcriptome of human atherosclerotic and nonatherosclerotic macrophages. <i>Physiological Genomics</i> , 2010, 41, 212-223.                                    | 2.3 | 16        |
| 1600 | Transcriptomic Analysis of Human Lung Development. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 181, 54-63.   | 5.6 | 107       |
| 1601 | Utilizing Cox regression model to assess the relations between predefined gene sets and the survival outcome of lung adenocarcinoma. , 2010, , .   |     | 0         |
| 1602 | Transcriptome analysis and molecular signature of human retinal pigment epithelium. <i>Human Molecular Genetics</i> , 2010, 19, 2468-2486.   | 2.9 | 249       |
| 1603 | Direct Transfer of $\alpha$ -Synuclein from Neuron to Astroglia Causes Inflammatory Responses in Synucleinopathies. <i>Journal of Biological Chemistry</i> , 2010, 285, 9262-9272.   | 3.4 | 704       |
| 1604 | Integrative gene-tissue microarray-based approach for identification of human disease biomarkers: application to amyotrophic lateral sclerosis. <i>Human Molecular Genetics</i> , 2010, 19, 3233-3253.                           | 2.9 | 58        |
| 1605 | Integrative Systems Biology for Data-Driven Knowledge Discovery. <i>Seminars in Nephrology</i> , 2010, 30, 443-454.  | 1.6 | 20        |
| 1606 | Pathways and Promoter Networks Analysis Provides Systems Topology for Systems Biology Approaches. <i>Seminars in Nephrology</i> , 2010, 30, 477-486.   | 1.6 | 4         |
| 1607 | Systemic Delivery of Synthetic MicroRNA-16 Inhibits the Growth of Metastatic Prostate Tumors via Downregulation of Multiple Cell-cycle Genes. <i>Molecular Therapy</i> , 2010, 18, 181-187.                                      | 8.2 | 399       |
| 1608 | MeV: MultiExperiment Viewer. , 2010, , 267-277.  |     | 167       |
| 1609 | <i>In vivo</i> nutrigenomic effects of virgin olive oil polyphenols within the frame of the Mediterranean diet: a randomized controlled trial. <i>FASEB Journal</i> , 2010, 24, 2546-2557.                                       | 0.5 | 243       |
| 1610 | Gene Expression Profile of Hyperoxic and Hypoxic Retinas in a Mouse Model of Oxygen-Induced Retinopathy. , 2010, 51, 4307.   |     | 66        |
| 1611 | An in silico analysis of microRNAs: Mining the miRNAome. <i>Molecular BioSystems</i> , 2010, 6, 1853.  | 2.9 | 42        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1614 | Analysis of Detergent-Insoluble and Whole Cell Lysate Fractions of Resting Neutrophils Using High-Resolution Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 2030-2036.                                    | 3.7  | 20        |
| 1615 | Transcriptional Profiling of Human Embryonic Stem Cells Differentiating to Definitive and Primitive Endoderm and Further Toward the Hepatic Lineage. <i>Stem Cells and Development</i> , 2010, 19, 961-978.                  | 2.1  | 17        |
| 1616 | Widespread Protein Aggregation as an Inherent Part of Aging in <i>C. elegans</i> . <i>PLoS Biology</i> , 2010, 8, e1000450.  | 5.6  | 551       |
| 1617 | Involvement of mast cells in eosinophilic esophagitis. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 126, 140-149.   | 2.9  | 261       |
| 1618 | Molecular diversity in ductal carcinoma <i>in situ</i> (DCIS) and early invasive breast cancer. <i>Molecular Oncology</i> , 2010, 4, 357-368.  | 4.6  | 107       |
| 1619 | From RNA-seq reads to differential expression results. <i>Genome Biology</i> , 2010, 11, 220.  | 9.6  | 603       |
| 1620 | The Effect of Simulated Microgravity on Human Mesenchymal Stem Cells Cultured in an Osteogenic Differentiation System: A Bioinformatics Study. <i>Tissue Engineering - Part A</i> , 2010, 16, 3403-3412.                     | 3.1  | 58        |
| 1621 | Functional Differences Between Mesenchymal Stem Cell Populations Are Reflected by Their Transcriptome. <i>Stem Cells and Development</i> , 2010, 19, 481-490.  | 2.1  | 124       |
| 1622 | Tasquinimod (ABR-215050), a quinoline-3-carboxamide anti-angiogenic agent, modulates the expression of thrombospondin-1 in human prostate tumors. <i>Molecular Cancer</i> , 2010, 9, 107.                                    | 19.2 | 77        |
| 1623 | Gene expression profiling of mouse p53-deficient epidermal carcinoma defines molecular determinants of human cancer malignancy. <i>Molecular Cancer</i> , 2010, 9, 193.  | 19.2 | 22        |
| 1624 | Sp1 acetylation is associated with loss of DNA binding at promoters associated with cell cycle arrest and cell death in a colon cell line. <i>Molecular Cancer</i> , 2010, 9, 275.   | 19.2 | 98        |
| 1625 | A Genome-wide screen identifies frequently methylated genes in haematological and epithelial cancers. <i>Molecular Cancer</i> , 2010, 9, 44.   | 19.2 | 92        |
| 1626 | Identification of 5 novel genes methylated in breast and other epithelial cancers. <i>Molecular Cancer</i> , 2010, 9, 51.  | 19.2 | 83        |
| 1627 | MFSD2A is a novel lung tumor suppressor gene modulating cell cycle and matrix attachment. <i>Molecular Cancer</i> , 2010, 9, 62.   | 19.2 | 32        |
| 1628 | Transcriptional responses in the adaptation to ischaemia-reperfusion injury: a study of the effect of ischaemic preconditioning in total knee arthroplasty patients. <i>Journal of Translational Medicine</i> , 2010, 8, 46. | 4.4  | 27        |
| 1629 | Copy number and gene expression differences between African American and Caucasian American prostate cancer. <i>Journal of Translational Medicine</i> , 2010, 8, 70.   | 4.4  | 50        |
| 1630 | Luteolin triggers global changes in the microglial transcriptome leading to a unique anti-inflammatory and neuroprotective phenotype. <i>Journal of Neuroinflammation</i> , 2010, 7, 3.                                      | 7.2  | 139       |
| 1631 | Investigation of Human Testis Protein Heterogeneity Using 2D-Dimensional Electrophoresis. <i>Journal of Andrology</i> , 2010, 31, 419-429.   | 2.0  | 32        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1632 | Colorectal Cancer Cell Lines Lack the Molecular Heterogeneity of Clinical Colorectal Tumors. <i>Clinical Colorectal Cancer</i> , 2010, 9, 40-47.  | 2.3  | 20        |
| 1633 | Novel Candidate Cancer Genes Identified by a Large-Scale Cross-Species Comparative Oncogenomics Approach. <i>Cancer Research</i> , 2010, 70, 883-895.   | 0.9  | 40        |
| 1634 | Functional Module Analysis Reveals Differential Osteogenic and Stemness Potentials in Human Mesenchymal Stem Cells from Bone Marrow and Wharton's Jelly of Umbilical Cord. <i>Stem Cells and Development</i> , 2010, 19, 1895-1910. | 2.1  | 158       |
| 1635 | Antiproliferative Mechanisms of the Flavonoids 2,2'-Dihydroxychalcone and Fisetin in Human Prostate Cancer Cells. <i>Nutrition and Cancer</i> , 2010, 62, 668-681.  | 2.0  | 33        |
| 1636 | <i>In Vitro</i> Neurotoxicity of PBDE-99: Immediate and Concentration-Dependent Effects on Protein Expression in Cerebral Cortex Cells. <i>Journal of Proteome Research</i> , 2010, 9, 1226-1235.                                   | 3.7  | 26        |
| 1637 | Activation of Aortic Endothelial Cells by Oxidized Phospholipids: A Phosphoproteomic Analysis. <i>Journal of Proteome Research</i> , 2010, 9, 2812-2824.  | 3.7  | 38        |
| 1638 | Quantitative Proteome Analysis of Pluripotent Cells by iTRAQ Mass Tagging Reveals Post-transcriptional Regulation of Proteins Required for ES Cell Self-renewal. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2238-2251.     | 3.8  | 35        |
| 1639 | Pro-Inflammatory CD11c+CD206+ Adipose Tissue Macrophages Are Associated With Insulin Resistance in Human Obesity. <i>Diabetes</i> , 2010, 59, 1648-1656.  | 0.6  | 521       |
| 1640 | Negative energy balance and hepatic gene expression patterns in high-yielding dairy cows during the early postpartum period: a global approach. <i>Physiological Genomics</i> , 2010, 42A, 188-199.                                 | 2.3  | 73        |
| 1641 | Endogenous Collagen Influences Differentiation of Human Multipotent Mesenchymal Stromal Cells. <i>Tissue Engineering - Part A</i> , 2010, 16, 1693-1702.  | 3.1  | 57        |
| 1642 | Water Chemistry Alters Gene Expression and Physiological End Points of Chronic Waterborne Copper Exposure in Zebrafish, <i>Danio rerio</i> . <i>Environmental Science &amp; Technology</i> , 2010, 44, 2156-2162.                   | 10.0 | 33        |
| 1643 | Proteomic Analysis of Human Osteoblastic Cells: Relevant Proteins and Functional Categories for Differentiation. <i>Journal of Proteome Research</i> , 2010, 9, 4688-4700.  | 3.7  | 30        |
| 1644 | Analysis of Secreted Proteins as an <i>in vitro</i> Model for Discovery of Liver Toxicity Markers. <i>Journal of Proteome Research</i> , 2010, 9, 5794-5802.  | 3.7  | 13        |
| 1645 | Dominant Processes during Human Dendritic Cell Maturation Revealed by Integration of Proteome and Transcriptome at the Pathway Level. <i>Journal of Proteome Research</i> , 2010, 9, 1727-1737.                                     | 3.7  | 45        |
| 1646 | Association weight matrix for the genetic dissection of puberty in beef cattle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13642-13647.                                    | 7.1  | 127       |
| 1647 | Phospholipid Transfer Protein in Human Plasma Associates with Proteins Linked to Immunity and Inflammation. <i>Biochemistry</i> , 2010, 49, 7314-7322.  | 2.5  | 47        |
| 1648 | Proteomic Identification of Paclitaxel-Resistance Associated hnRNP A2 and GDI 2 Proteins in Human Ovarian Cancer Cells. <i>Journal of Proteome Research</i> , 2010, 9, 5668-5676.   | 3.7  | 58        |
| 1649 | Proteomic Analysis of Proteins Involved in Spermiogenesis in Mouse. <i>Journal of Proteome Research</i> , 2010, 9, 1246-1256.   | 3.7  | 65        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1650 | Neuron Differentiation-Related Genes Are Up-regulated in the Hypothalamus of Odorant-Inhaling Rats Subjected to Acute Restraint Stress. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 7922-7929.  | 5.2  | 24        |
| 1651 | Developmental regulation and individual differences of neuronal H3K4me3 epigenomes in the prefrontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8824-8829.   | 7.1  | 218       |
| 1652 | Lidocaine inhibits epithelial chemokine secretion via inhibition of nuclear factor $\kappa$ B activation. <i>Immunobiology</i> , 2010, 215, 304-313.  | 1.9  | 30        |
| 1653 | Transcriptional effects of progesterone receptor antagonist in rat granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2010, 315, 121-130.   | 3.2  | 10        |
| 1654 | Naringenin chalcone improves adipocyte functions by enhancing adiponectin production. <i>Molecular and Cellular Endocrinology</i> , 2010, 323, 208-214.   | 3.2  | 42        |
| 1655 | Expectations, validity, and reality in gene expression profiling. <i>Journal of Clinical Epidemiology</i> , 2010, 63, 950-959.  | 5.0  | 55        |
| 1656 | Myostatin regulates glucose metabolism via the AMP-activated protein kinase pathway in skeletal muscle cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 2072-2081.  | 2.8  | 80        |
| 1657 | Effects of Salmonella on spatial-temporal processes of jejunal development in chickens. <i>Developmental and Comparative Immunology</i> , 2010, 34, 1090-1100.  | 2.3  | 19        |
| 1658 | Hopx and Hdac2 Interact to Modulate Gata4 Acetylation and Embryonic Cardiac Myocyte Proliferation. <i>Developmental Cell</i> , 2010, 19, 450-459.   | 7.0  | 125       |
| 1659 | The use of neuroproteomics in drug abuse research. <i>Drug and Alcohol Dependence</i> , 2010, 107, 11-22.   | 3.2  | 17        |
| 1660 | Autoantibody profiling to identify biomarkers of key pathogenic pathways in mucinous ovarian cancer. <i>European Journal of Cancer</i> , 2010, 46, 170-179.   | 2.8  | 33        |
| 1661 | 3-Methylcholanthrene (3-MC) and 4-chlorobiphenyl (PCB3) genotoxicity is gender-related in Fischer 344 transgenic rats. <i>Environment International</i> , 2010, 36, 970-979.  | 10.0 | 16        |
| 1662 | Combining suppressive subtractive hybridization and cDNA microarrays to identify dietary phosphorus-responsive genes of the rainbow trout ( <i>Oncorhynchus mykiss</i> ) kidney. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2010, 5, 24-35. | 1.0  | 9         |
| 1663 | Nucleoporins Directly Stimulate Expression of Developmental and Cell-Cycle Genes Inside the Nucleoplasm. <i>Cell</i> , 2010, 140, 360-371.  | 28.9 | 388       |
| 1664 | Precision Mapping of an In Vivo N-Glycoproteome Reveals Rigid Topological and Sequence Constraints. <i>Cell</i> , 2010, 141, 897-907.   | 28.9 | 789       |
| 1665 | An Alternative Splicing Network Links Cell-Cycle Control to Apoptosis. <i>Cell</i> , 2010, 142, 625-636.  | 28.9 | 273       |
| 1666 | Quantitative Interaction Proteomics and Genome-wide Profiling of Epigenetic Histone Marks and Their Readers. <i>Cell</i> , 2010, 142, 967-980.  | 28.9 | 710       |
| 1667 | Comparative Epigenomic Analysis of Murine and Human Adipogenesis. <i>Cell</i> , 2010, 143, 156-169.   | 28.9 | 460       |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1668 | A Myc Network Accounts for Similarities between Embryonic Stem and Cancer Cell Transcription Programs. <i>Cell</i> , 2010, 143, 313-324.   | 28.9 | 606       |
| 1669 | TGF- $\beta^2$ and Insulin Signaling Regulate Reproductive Aging via Oocyte and Germline Quality Maintenance. <i>Cell</i> , 2010, 143, 299-312.  | 28.9 | 238       |
| 1670 | Pausing of RNA Polymerase II Disrupts DNA-Specified Nucleosome Organization to Enable Precise Gene Regulation. <i>Cell</i> , 2010, 143, 540-551.   | 28.9 | 369       |
| 1671 | Germinal Center Dynamics Revealed by Multiphoton Microscopy with a Photoactivatable Fluorescent Reporter. <i>Cell</i> , 2010, 143, 592-605.  | 28.9 | 1,026     |
| 1672 | A Tissue-Specific Atlas of Mouse Protein Phosphorylation and Expression. <i>Cell</i> , 2010, 143, 1174-1189.   | 28.9 | 1,564     |
| 1673 | Integrative Genomic Approaches Highlight a Family of Parasite-Specific Kinases that Regulate Host Responses. <i>Cell Host and Microbe</i> , 2010, 8, 208-218.  | 11.0 | 238       |
| 1675 | An Expanded Oct4 Interaction Network: Implications for Stem Cell Biology, Development, and Disease. <i>Cell Stem Cell</i> , 2010, 6, 382-395.  | 11.1 | 338       |
| 1676 | Distinct Epigenomic Landscapes of Pluripotent and Lineage-Committed Human Cells. <i>Cell Stem Cell</i> , 2010, 6, 479-491.   | 11.1 | 747       |
| 1677 | Identification and Classification of Chromosomal Aberrations in Human Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2010, 7, 521-531.  | 11.1 | 695       |
| 1678 | Testosterone-induced upregulation of miRNAs in the female mouse liver. <i>Steroids</i> , 2010, 75, 998-1004.   | 1.8  | 60        |
| 1679 | Differentially expressed genes associated with Staphylococcus aureus mastitis in dairy goats. <i>Veterinary Immunology and Immunopathology</i> , 2010, 135, 208-217.   | 1.2  | 31        |
| 1680 | Gene expression profiling of PBMCs from Holstein and Jersey cows sub-clinically infected with Mycobacterium avium ssp. paratuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2010, 137, 1-11. | 1.2  | 283       |
| 1681 | Methods for transcriptomic analyses of the porcine host immune response: Application to Salmonella infection using microarrays. <i>Veterinary Immunology and Immunopathology</i> , 2010, 138, 280-291.       | 1.2  | 10        |
| 1682 | Genomic phenotype of non-cultured pulmonary fibroblasts in idiopathic pulmonary fibrosis. <i>Genomics</i> , 2010, 96, 134-145.   | 2.9  | 70        |
| 1683 | NF- $\kappa$ B driven cardioprotective gene programs; Hsp70.3 and cardioprotection after late ischemic preconditioning. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 664-672.             | 1.9  | 41        |
| 1684 | Curcumin Extends Life Span, Improves Health Span, and Modulates the Expression of Age-Associated Aging Genes in <i>Drosophila melanogaster</i> . <i>Rejuvenation Research</i> , 2010, 13, 561-570.           | 1.8  | 195       |
| 1685 | Restriction of Receptor Movement Alters Cellular Response: Physical Force Sensing by EphA2. <i>Science</i> , 2010, 327, 1380-1385.   | 12.6 | 301       |
| 1686 | Epigenetic and immune function profiles associated with posttraumatic stress disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9470-9475.        | 7.1  | 452       |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1687 | <i>Porphyrromonas gingivalis</i> infection-induced tissue and bone transcriptional profiles. Molecular Oral Microbiology, 2010, 25, 61-74.  | 2.7  | 48        |
| 1688 | p53 prevents progression of nevi to melanoma predominantly through cell cycle regulation. Pigment Cell and Melanoma Research, 2010, 23, 781-794.  | 3.3  | 59        |
| 1689 | miR-451 enhances erythroid differentiation in K562 cells. Leukemia and Lymphoma, 2010, 51, 686-693.   | 1.3  | 47        |
| 1690 | Molecular signatures of maturing dendritic cells: implications for testing the quality of dendritic cell therapies. Journal of Translational Medicine, 2010, 8, 4.  | 4.4  | 109       |
| 1691 | Human Endometrial Side Population Cells Exhibit Genotypic, Phenotypic and Functional Features of Somatic Stem Cells. PLoS ONE, 2010, 5, e10964.   | 2.5  | 161       |
| 1692 | Statistical Methods for Pathway Analysis of Genome-Wide Data for Association with Complex Genetic Traits. Advances in Genetics, 2010, 72, 141-179.  | 1.8  | 86        |
| 1693 | Estrogen Receptor $\pm$ Controls a Gene Network in Luminal-Like Breast Cancer Cells Comprising Multiple Transcription Factors and MicroRNAs. American Journal of Pathology, 2010, 176, 2113-2130.                   | 3.8  | 151       |
| 1694 | Differential Gene Regulation by the Human and Mouse Aryl Hydrocarbon Receptor. Toxicological Sciences, 2010, 114, 217-225.  | 3.1  | 90        |
| 1695 | U87MG Decoded: The Genomic Sequence of a Cytogenetically Aberrant Human Cancer Cell Line. PLoS Genetics, 2010, 6, e1000832.   | 3.5  | 229       |
| 1696 | agriGO: a GO analysis toolkit for the agricultural community. Nucleic Acids Research, 2010, 38, W64-W70.  | 14.5 | 2,289     |
| 1697 | Genome-wide analysis of mRNA targets for <i>Caenorhabditis elegans</i> FBF, a conserved stem cell regulator. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3936-3941. | 7.1  | 108       |
| 1698 | A Comparison of Whole Genome Gene Expression Profiles of HepaRG Cells and HepG2 Cells to Primary Human Hepatocytes and Human Liver Tissues. Drug Metabolism and Disposition, 2010, 38, 988-994.                     | 3.3  | 222       |
| 1699 | Disease-specific, neurosphere-derived cells as models for brain disorders. DMM Disease Models and Mechanisms, 2010, 3, 785-798.   | 2.4  | 175       |
| 1700 | Vitreous Proteomics and Diabetic Retinopathy. Seminars in Ophthalmology, 2010, 25, 289-294.   | 1.6  | 27        |
| 1701 | Genomic Analyses of Hormone Signaling and Gene Regulation. Annual Review of Physiology, 2010, 72, 191-218.  | 13.1 | 78        |
| 1702 | Quantitative Expression Profiling in Formalin-Fixed Paraffin-Embedded Samples by Affymetrix Microarrays. Journal of Molecular Diagnostics, 2010, 12, 409-417.   | 2.8  | 81        |
| 1703 | Integrative Functional Genomics Analysis of Sustained Polyploidy Phenotypes in Breast Cancer Cells Identifies an Oncogenic Profile for GINS2. Neoplasia, 2010, 12, 877-IN14.  | 5.3  | 44        |
| 1704 | Phenotypic and molecular characterization of the claudin-low intrinsic subtype of breast cancer. Breast Cancer Research, 2010, 12, R68.   | 5.0  | 1,748     |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1705 | Gene expression profiling of peripheral blood cells for early detection of breast cancer. Breast Cancer Research, 2010, 12, R7.  | 5.0  | 95        |
| 1706 | Quantifying the mechanisms of domain gain in animal proteins. Genome Biology, 2010, 11, R74.   | 9.6  | 93        |
| 1707 | A mouse embryonic stem cell bank for inducible overexpression of human chromosome 21 genes. Genome Biology, 2010, 11, R64.   | 9.6  | 16        |
| 1708 | Identification of functional modules that correlate with phenotypic difference: the influence of network topology. Genome Biology, 2010, 11, R23.  | 9.6  | 67        |
| 1709 | Matrix metalloproteinase-8 deficiency increases joint inflammation and bone erosion in the K/BxN serum-transfer arthritis model. Arthritis Research and Therapy, 2010, 12, R224.                                     | 3.5  | 48        |
| 1710 | Proteomic Profile Regulated by the Anticancer Peptide CIGB-300 in Non-Small Cell Lung Cancer (NSCLC) Cells. Journal of Proteome Research, 2010, 9, 5473-5483.  | 3.7  | 26        |
| 1711 | Three-Dimensional Culture Alters Primary Cardiac Cell Phenotype. Tissue Engineering - Part A, 2010, 16, 629-641.   | 3.1  | 40        |
| 1712 | Analysis of genome-wide methylation and gene expression induced by 5-aza-2'-deoxycytidine identifies BCL2L10 as a frequent methylation target in acute myeloid leukemia. Leukemia and Lymphoma, 2010, 51, 2275-2284. | 1.3  | 43        |
| 1713 | Translation efficiency in humans: tissue specificity, global optimization and differences between developmental stages. Nucleic Acids Research, 2010, 38, 2964-2974.   | 14.5 | 69        |
| 1714 | Heat Shock Transcription Factor 1 Localizes to Sex Chromatin during Meiotic Repression. Journal of Biological Chemistry, 2010, 285, 34469-34476.   | 3.4  | 62        |
| 1715 | Bioinformatics and Systems Biology of Cancers. Progress in Molecular Biology and Translational Science, 2010, 95, 159-191.   | 1.7  | 5         |
| 1716 | Systems genetics analysis of molecular pathways underlying ethanol-induced behavioral phenotypes. , 2010, , .  |      | 1         |
| 1717 | Gene expression profiling of peripheral blood leukocytes identifies potential novel biomarkers of chronic obstructive pulmonary disease in current and former smokers. Biomarkers, 2010, 15, 715-730.                | 1.9  | 17        |
| 1718 | Transcriptional control of the proliferation cluster by the tumor suppressor p53. Molecular BioSystems, 2010, 6, 17-29.  | 2.9  | 28        |
| 1719 | Protein phosphorylation analysis in archival clinical cancer samples by shotgun and targeted proteomics approaches. Molecular BioSystems, 2011, 7, 2368.   | 2.9  | 35        |
| 1720 | Investigating Neoplastic Progression of Ulcerative Colitis with Label-Free Comparative Proteomics. Journal of Proteome Research, 2011, 10, 200-209.  | 3.7  | 41        |
| 1721 | Global risk transformative prioritization for prostate cancer candidate genes in molecular networks. Molecular BioSystems, 2011, 7, 2547.  | 2.9  | 4         |
| 1722 | Early gene response of human brain microvascular endothelial cells to <i>Listeria monocytogenes</i> infection. Canadian Journal of Microbiology, 2011, 57, 441-446.  | 1.7  | 5         |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1723 | Histone deacetylase 3 is an epigenomic brake in macrophage alternative activation. <i>Genes and Development</i> , 2011, 25, 2480-2488.  | 5.9  | 254       |
| 1724 | Mining the Bioinformation of Differentially Expressed Genes in Rats Treated by Diesel Exhaust Inhalation Based on the Bioinformatics Methods. , 2011, , .   |      | 0         |
| 1725 | Correction of Sick Cell Disease in Adult Mice by Interference with Fetal Hemoglobin Silencing. <i>Science</i> , 2011, 334, 993-996.   | 12.6 | 281       |
| 1726 | Alternative translation start sites are conserved in eukaryotic genomes. <i>Nucleic Acids Research</i> , 2011, 39, 567-577.   | 14.5 | 133       |
| 1727 | Networked-based Characterization of Extracellular Matrix Proteins from Adult Mouse Pulmonary and Aortic Valves. <i>Journal of Proteome Research</i> , 2011, 10, 812-823.  | 3.7  | 36        |
| 1728 | Gene Expression Biomarkers in the Brain of a Mouse Model for Alzheimer's Disease: Mining of Microarray Data by Logic Classification and Feature Selection. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 721-738.   | 2.6  | 104       |
| 1729 | Comparison of Three Quantitative Phosphoproteomic Strategies to Study Receptor Tyrosine Kinase Signaling. <i>Journal of Proteome Research</i> , 2011, 10, 5454-5462.  | 3.7  | 26        |
| 1730 | microRNAs in Early Diabetic Retinopathy in Streptozotocin-Induced Diabetic Rats. , 2011, 52, 4402.  |      | 242       |
| 1731 | Proteomics and Pathway Analyses of the Milk Fat Globule in Sheep Naturally Infected by <i>Mycoplasma agalactiae</i> Provide Indications of the <i>In Vivo</i> Response of the Mammary Epithelium to Bacterial Infection. <i>Infection and Immunity</i> , 2011, 79, 3833-3845. | 2.2  | 69        |
| 1732 | Genome-Wide Association Study of the Child Behavior Checklist Dysregulation Profile. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2011, 50, 807-817.e8.  | 0.5  | 56        |
| 1733 | Whole transcriptome analysis of the fasting and fed Burmese python heart: insights into extreme physiological cardiac adaptation. <i>Physiological Genomics</i> , 2011, 43, 69-76.  | 2.3  | 24        |
| 1734 | Effects of dietary aflatoxin on the hepatic expression of apoptosis genes in growing barrows1. <i>Journal of Animal Science</i> , 2011, 89, 916-925.  | 0.5  | 39        |
| 1735 | Hepatic Gene Expression of the Insulin Signaling Pathway Is Altered by Administration of Persimmon Peel Extract: A DNA Microarray Study Using Type 2 Diabetic Goto-Kakizaki Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 3320-3329.                    | 5.2  | 18        |
| 1736 | Polycomb preferentially targets stalled promoters of coding and noncoding transcripts. <i>Genome Research</i> , 2011, 21, 216-226.  | 5.5  | 146       |
| 1737 | Quantitative Proteomic Analysis of the Adipocyte Plasma Membrane. <i>Journal of Proteome Research</i> , 2011, 10, 4970-4982.  | 3.7  | 29        |
| 1738 | Label-free Proteomics and Systems Biology Analysis of Mycobacterial Phagosomes in Dendritic Cells and Macrophages. <i>Journal of Proteome Research</i> , 2011, 10, 2425-2439.   | 3.7  | 19        |
| 1739 | New insights into the pathogenesis of cystic follicles in cattle: Microarray analysis of gene expression in granulosa cells1. <i>Journal of Animal Science</i> , 2011, 89, 1769-1786.   | 0.5  | 39        |
| 1740 | Integrated Analysis of ATM Mediated Gene and Protein Expression Impacting Cellular Metabolism. <i>Journal of Proteome Research</i> , 2011, 10, 2651-2657.   | 3.7  | 27        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1741 | Expression Profiling of Vulvar Carcinoma: Clues for Deranged Extracellular Matrix Remodeling and Effects on Multiple Signaling Pathways Combined with Discrete Patient Subsets. Translational Oncology, 2011, 4, 301-IN6.                          | 3.7  | 9         |
| 1742 | SNAIL Regulates Interleukin-8 Expression, Stem Cell-Like Activity, and Tumorigenicity of Human Colorectal Carcinoma Cells. Gastroenterology, 2011, 141, 279-291.e5.  | 1.3  | 266       |
| 1743 | Upregulation of Dicer and MicroRNA Expression in the Dorsolateral Prefrontal Cortex Brodmann Area 46 in Schizophrenia. Biological Psychiatry, 2011, 69, 180-187.   | 1.3  | 236       |
| 1744 | Binge Cocaine Administration in Adolescent Rats Affects Amygdalar Gene Expression Patterns and Alters Anxiety-Related Behavior in Adulthood. Biological Psychiatry, 2011, 70, 583-592.   | 1.3  | 24        |
| 1745 | Proteome-Wide Mapping of the <i>Drosophila</i> Acetylome Demonstrates a High Degree of Conservation of Lysine Acetylation. Science Signaling, 2011, 4, ra48.   | 3.6  | 243       |
| 1746 | PPAR $\gamma$ disease gene network and identification of therapeutic targets for prostate cancer. Journal of Drug Targeting, 2011, 19, 781-796.  | 4.4  | 14        |
| 1749 | Aberrant Overexpression of Satellite Repeats in Pancreatic and Other Epithelial Cancers. Science, 2011, 331, 593-596.  | 12.6 | 452       |
| 1750 | Escitalopram modulates neuron-remodelling proteins in a rat gene-environment interaction model of depression as revealed by proteomics. Part I: genetic background. International Journal of Neuropsychopharmacology, 2011, 14, 796-833.           | 2.1  | 20        |
| 1751 | Scriptaid Corrects Gene Expression of a Few Aberrantly Reprogrammed Transcripts in Nuclear Transfer Pig Blastocyst Stage Embryos. Cellular Reprogramming, 2011, 13, 191-204.   | 0.9  | 69        |
| 1752 | Transcriptome Analysis in Endothelial Progenitor Cell Biology. Antioxidants and Redox Signaling, 2011, 15, 1029-1042.  | 5.4  | 26        |
| 1753 | Joint Binding of OTX2 and MYC in Promotor Regions Is Associated with High Gene Expression in Medulloblastoma. PLoS ONE, 2011, 6, e26058.   | 2.5  | 24        |
| 1754 | Proteomic Analysis of Acetaminophen-Induced Changes in Mitochondrial Protein Expression Using Spectral Counting. Chemical Research in Toxicology, 2011, 24, 549-558.   | 3.3  | 27        |
| 1755 | Comparative Analysis of Human Embryonic Stem Cell and Induced Pluripotent Stem Cell-Derived Hepatocyte-Like Cells Reveals Current Drawbacks and Possible Strategies for Improved Differentiation. Stem Cells and Development, 2011, 20, 1259-1275. | 2.1  | 75        |
| 1756 | Methylation profiling with a panel of cancer related genes: Association with estrogen receptor, TP53 mutation status and expression subtypes in sporadic breast cancer. Molecular Oncology, 2011, 5, 61-76.  | 4.6  | 110       |
| 1757 | Mechanisms of blast induced brain injuries, experimental studies in rats. Neurolmage, 2011, 54, S89-S97.   | 4.2  | 156       |
| 1758 | Weighted Network Analysis. , 2011, , .   |      | 241       |
| 1759 | Comparative analysis of nuclear estrogen receptor alpha and beta interactomes in breast cancer cells. Molecular BioSystems, 2011, 7, 667-676.  | 2.9  | 39        |
| 1760 | Auxin Signaling and Transport Promote Susceptibility to the Root-Infecting Fungal Pathogen <i>Fusarium oxysporum</i> in <i>Arabidopsis</i> . Molecular Plant-Microbe Interactions, 2011, 24, 733-748.  | 2.6  | 146       |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1761 | Intrinsic disorder of the extracellular matrix. <i>Molecular BioSystems</i> , 2011, 7, 3353.  | 2.9  | 54        |
| 1762 | Transcriptome sequencing across a prostate cancer cohort identifies PCAT-1, an unannotated lincRNA implicated in disease progression. <i>Nature Biotechnology</i> , 2011, 29, 742-749.  | 17.5 | 950       |
| 1763 | Endometrial receptivity is affected in women with high circulating progesterone levels at the end of the follicular phase: a functional genomics analysis. <i>Human Reproduction</i> , 2011, 26, 1813-1825.   | 0.9  | 288       |
| 1764 | Systematic Approaches towards the Development of Host-Directed Antiviral Therapeutics. <i>International Journal of Molecular Sciences</i> , 2011, 12, 4027-4052.  | 4.1  | 79        |
| 1765 | Genome-wide dFOXO targets and topology of the transcriptomic response to stress and insulin signalling. <i>Molecular Systems Biology</i> , 2011, 7, 502.  | 7.2  | 112       |
| 1766 | The autism disconnect. <i>Nature</i> , 2011, 474, 294-295.  | 27.8 | 6         |
| 1767 | Proteomic Analysis of an Immortalized Mouse Pancreatic Stellate Cell Line Identifies Differentially-Expressed Proteins in Activated vs Nonproliferating Cell States. <i>Journal of Proteome Research</i> , 2011, 10, 4835-4844.                                 | 3.7  | 36        |
| 1768 | Unraveling the Human Bone Microenvironment beyond the Classical Extracellular Matrix Proteins: A Human Bone Protein Library. <i>Journal of Proteome Research</i> , 2011, 10, 4725-4733.   | 3.7  | 39        |
| 1769 | Aging Enhances the Production of Reactive Oxygen Species and Bactericidal Activity in Peritoneal Macrophages by Upregulating Classical Activation Pathways. <i>Biochemistry</i> , 2011, 50, 9911-9922.  | 2.5  | 46        |
| 1770 | Cistrome: an integrative platform for transcriptional regulation studies. <i>Genome Biology</i> , 2011, 12, R83.  | 9.6  | 598       |
| 1771 | Boundary distinction interpretation of microarray data via discrete correlate summation. <i>Genome Biology</i> , 2011, 12, .  | 9.6  | 0         |
| 1772 | Modeling the cumulative genetic risk for multiple sclerosis from genome-wide association data. <i>Genome Medicine</i> , 2011, 3, 3.   | 8.2  | 63        |
| 1773 | Proteome Profile of Zebrafish <i>Danio rerio</i> Olfactory Bulb Based on Two-Dimensional Gel Electrophoresis Matrix-Assisted Laser Desorption/Ionization MS/MS Analysis. <i>Zebrafish</i> , 2011, 8, 183-189.   | 1.1  | 7         |
| 1774 | Transcriptional Modulation in a Leukocyte-Depleted Splenic Cell Population During Prion Disease. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2011, 74, 1504-1520.  | 2.3  | 5         |
| 1775 | Conceptual Thinking for In Silico Prioritization of Candidate Disease Genes. <i>Methods in Molecular Biology</i> , 2011, 760, 175-187.  | 0.9  | 9         |
| 1776 | Mechanisms of stable lipid loss in a social insect. <i>Journal of Experimental Biology</i> , 2011, 214, 3808-3821.  | 1.7  | 88        |
| 1777 | Body mass index-independent inflammation in omental adipose tissue associated with insulin resistance in morbid obesity. <i>Surgery for Obesity and Related Diseases</i> , 2011, 7, 60-67.  | 1.2  | 186       |
| 1778 | Global transcriptome analysis of human bone marrow stromal cells (BMSC) reveals proliferative, mobile and interactive cells that produce abundant extracellular matrix proteins, some of which may affect BMSC potency. <i>Cytotherapy</i> , 2011, 13, 661-674. | 0.7  | 59        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1779 | Proteomic analysis of a model fish species exposed to individual pesticides and a binary mixture. <i>Aquatic Toxicology</i> , 2011, 101, 196-206.   | 4.0  | 29        |
| 1780 | Lung Gene Expression in a Rhesus Allergic Asthma Model Correlates with Physiologic Parameters of Disease and Exhibits Common and Distinct Pathways with Human Asthma and a Mouse Asthma Model. <i>American Journal of Pathology</i> , 2011, 179, 1667-1680. | 3.8  | 14        |
| 1781 | Seasonal liver protein differences in a hibernator revealed by quantitative proteomics using whole animal isotopic labeling. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011, 6, 163-170.                             | 1.0  | 18        |
| 1782 | Shift in chicken intestinal gene association networks after infection with <i>Salmonella</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011, 6, 339-347.   | 1.0  | 9         |
| 1783 | Responses of threespine stickleback ( <i>Gasterosteus aculeatus</i> , L) transcriptome to hypoxia. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011, 6, 370-381.   | 1.0  | 31        |
| 1784 | FMRP Stalls Ribosomal Translocation on mRNAs Linked to Synaptic Function and Autism. <i>Cell</i> , 2011, 146, 247-261.  | 28.9 | 1,864     |
| 1785 | Mbd3/NURD Complex Regulates Expression of 5-Hydroxymethylcytosine Marked Genes in Embryonic Stem Cells. <i>Cell</i> , 2011, 147, 1498-1510.   | 28.9 | 424       |
| 1786 | Genome-wide Localization of SREBP-2 in Hepatic Chromatin Predicts a Role in Autophagy. <i>Cell Metabolism</i> , 2011, 13, 367-375.  | 16.2 | 147       |
| 1787 | Notch Initiates the Endothelial-to-Mesenchymal Transition in the Atrioventricular Canal through Autocrine Activation of Soluble Guanylyl Cyclase. <i>Developmental Cell</i> , 2011, 21, 288-300.  | 7.0  | 144       |
| 1788 | ATXN1 Protein Family and CIC Regulate Extracellular Matrix Remodeling and Lung Alveolarization. <i>Developmental Cell</i> , 2011, 21, 746-757.  | 7.0  | 89        |
| 1789 | A prognostic multigene classifier for squamous cell carcinomas of the larynx. <i>Cancer Letters</i> , 2011, 307, 37-46.   | 7.2  | 42        |
| 1790 | Transcriptional modulation of a human monocytic cell line exposed to PM10 from an urban area. <i>Environmental Research</i> , 2011, 111, 765-774.   | 7.5  | 9         |
| 1791 | Endometrial gene expression in the window of implantation is altered in obese women especially in Association with polycystic ovary syndrome. <i>Fertility and Sterility</i> , 2011, 95, 2335-2341.e8.  | 1.0  | 149       |
| 1792 | Gene expression analysis of blastemal component reveals genes associated with relapse mechanism in Wilms tumour. <i>European Journal of Cancer</i> , 2011, 47, 2715-2722.   | 2.8  | 28        |
| 1793 | MicroRNA changes in the mouse prefrontal cortex after inflammatory pain. <i>European Journal of Pain</i> , 2011, 15, 801.e1-12.   | 2.8  | 41        |
| 1794 | Chronic alcohol exposure induced gene expression changes in the zebrafish brain. <i>Behavioural Brain Research</i> , 2011, 216, 66-76.  | 2.2  | 64        |
| 1795 | Microarray analysis of differentially regulated genes in human neuronal and epithelial cell lines upon exposure to type A botulinum neurotoxin. <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 684-690.                            | 2.1  | 23        |
| 1796 | Proteomic Characterization of Aggregating Proteins after the Inhibition of the Ubiquitin Proteasome System. <i>Journal of Proteome Research</i> , 2011, 10, 1062-1072.  | 3.7  | 55        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1797 | Two Phases of Mitogenic Signaling Unveil Roles for p53 and EGR1 in Elimination of Inconsistent Growth Signals. <i>Molecular Cell</i> , 2011, 42, 524-535.  | 9.7 | 93        |
| 1798 | Lack of change in microRNA expression in adult mouse liver following treatment with benzo(a)pyrene despite robust mRNA transcriptional response. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 722, 131-139.   | 1.7 | 42        |
| 1799 | Low dose radiation response curves, networks and pathways in human lymphoblastoid cells exposed from 1 to 10cGy of acute gamma radiation. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 722, 119-130.  | 1.7 | 37        |
| 1800 | Illumina whole-genome complementary DNA-mediated annealing, selection, extension and ligation platform: assessing its performance in formalin-fixed, paraffin-embedded samples and identifying invasion pattern-related genes in oral squamous cell carcinoma. <i>Human Pathology</i> , 2011, 42, 1911-1922. | 2.0 | 24        |
| 1801 | Microarray and Functional Cluster Analysis Implicates Transforming Growth Factor Beta1 in Endothelial Cell Dysfunction in a Swine Hemorrhagic Shock Model. <i>Journal of Surgical Research</i> , 2011, 170, 120-132.   | 1.6 | 15        |
| 1802 | Gene Pathway Analysis of Hepatocellular Carcinoma Genomic Expression Datasets. <i>Journal of Surgical Research</i> , 2011, 170, e85-e92.   | 1.6 | 7         |
| 1803 | Phenotypic and molecular characterization of proliferating and differentiated GnRH-expressing GnV-3 cells. <i>Molecular and Cellular Endocrinology</i> , 2011, 332, 97-105.  | 3.2 | 12        |
| 1804 | Transcriptional profiling of intrinsic PNS factors in the postnatal mouse. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 32-44.  | 2.2 | 53        |
| 1805 | Oxidative stress induced carbonylation in human plasma. <i>Journal of Proteomics</i> , 2011, 74, 2395-2416.  | 2.4 | 37        |
| 1806 | Proteomic analysis of 1 $\alpha$ ,25-Dihydroxyvitamin D3 action on human colon cancer cells reveals a link to splicing regulation. <i>Journal of Proteomics</i> , 2011, 75, 384-397.   | 2.4 | 37        |
| 1807 | Proteomic analysis of a rat pancreatic stellate cell line using liquid chromatography tandem mass spectrometry (LC-MS/MS). <i>Journal of Proteomics</i> , 2011, 75, 708-717.   | 2.4 | 31        |
| 1808 | Novel estrogen-related genes and potential biomarkers of ovarian endometriosis identified by differential expression analysis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011, 125, 231-242.  | 2.5 | 37        |
| 1809 | Elevated Copper Remodels Hepatic RNA Processing Machinery in the Mouse Model of Wilson's Disease. <i>Journal of Molecular Biology</i> , 2011, 406, 44-58.  | 4.2 | 32        |
| 1810 | The transcriptional coactivator TAZ regulates mesenchymal differentiation in malignant glioma. <i>Genes and Development</i> , 2011, 25, 2594-2609.   | 5.9 | 326       |
| 1811 | Genome-wide Association: From Confounded to Confident. <i>Neuroscientist</i> , 2011, 17, 174-184.  | 3.5 | 4         |
| 1812 | A search for factors specifying tonotopy implicates DNER in hair-cell development in the chick's cochlea. <i>Developmental Biology</i> , 2011, 354, 221-231.   | 2.0 | 35        |
| 1813 | Genomic and transcriptomic analyses distinguish classic Rett and Rett-like syndrome and reveals shared altered pathways. <i>Genomics</i> , 2011, 97, 19-28.  | 2.9 | 28        |
| 1814 | Effects of genome architecture and epigenetic factors on susceptibility of promoter CpG islands to aberrant DNA methylation induction. <i>Genomics</i> , 2011, 98, 182-188.  | 2.9 | 14        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1815 | Mouse phenotyping. <i>Methods</i> , 2011, 53, 120-135.   | 3.8 | 128       |
| 1816 | Testosterone response of hepatic gene expression in female mice having acquired testosterone-unresponsive immunity to <i>Plasmodium chabaudi</i> malaria. <i>Steroids</i> , 2011, 76, 1204-1212.                                     | 1.8 | 15        |
| 1817 | Differential expression of porcine sperm microRNAs and their association with sperm morphology and motility. <i>Theriogenology</i> , 2011, 76, 1532-1539.  | 2.1 | 95        |
| 1818 | Gene expression analysis of HUVEC in response to TF-binding. <i>Thrombosis Research</i> , 2011, 127, 259-263.  | 1.7 | 7         |
| 1819 | Gene expression profiling reveals multiple differences in platelets from patients with stable angina or non-ST elevation acute coronary syndrome. <i>Thrombosis Research</i> , 2011, 128, 161-168.                                   | 1.7 | 27        |
| 1820 | Preservation of hepatocellular functionality in cultures of primary rat hepatocytes upon exposure to 4-Me2N-BAVAH, a hydroxamate-based HDAC-inhibitor. <i>Toxicology in Vitro</i> , 2011, 25, 100-109.                               | 2.4 | 2         |
| 1821 | Comparative transcriptome analysis reveals a fetal origin for mesenchymal stem cells and novel fetal surface antigens for noninvasive prenatal diagnosis. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2011, 50, 447-457. | 1.3 | 14        |
| 1822 | Genome-wide association study of blood pressure response to methylphenidate treatment of attention-deficit/hyperactivity disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 466-472.        | 4.8 | 24        |
| 1823 | Neurotrophic signaling molecules associated with cholinergic damage in young and aged rats: Environmental enrichment as potential therapeutic agent. <i>Neurobiology of Aging</i> , 2011, 32, 470-485.                               | 3.1 | 30        |
| 1824 | Multiple Recurrent De Novo CNVs, Including Duplications of the 7q11.23 Williams Syndrome Region, Are Strongly Associated with Autism. <i>Neuron</i> , 2011, 70, 863-885.   | 8.1 | 1,146     |
| 1825 | Importance of genetic background for risk of relapse shown in altered prefrontal cortex gene expression during abstinence following chronic alcohol intoxication. <i>Neuroscience</i> , 2011, 173, 57-75.                            | 2.3 | 26        |
| 1826 | Regulation of cytoskeleton machinery, neurogenesis and energy metabolism pathways in a rat gene-environment model of depression revealed by proteomic analysis. <i>Neuroscience</i> , 2011, 176, 349-380.                            | 2.3 | 42        |
| 1827 | MicroRNA dysregulation following spinal cord contusion: implications for neural plasticity and repair. <i>Neuroscience</i> , 2011, 186, 146-160.   | 2.3 | 128       |
| 1828 | Nitric oxide metabolism controlled by formaldehyde dehydrogenase (fdh, homolog of mammalian) Tj ETQq1 1 0.784314 rgBT /Overlook<br><i>Chemistry</i> , 2011, 24, 17-24.   | 2.7 | 23        |
| 1829 | Polymicrobial periodontal pathogen transcriptomes in calvarial bone and soft tissue. <i>Molecular Oral Microbiology</i> , 2011, 26, 303-320.   | 2.7 | 11        |
| 1830 | During hormone depletion or tamoxifen treatment of breast cancer cells the estrogen receptor apoprotein supports cell cycling through the retinoic acid receptor $\pm 1$ apoprotein. <i>Breast Cancer Research</i> , 2011, 13, R18.  | 5.0 | 22        |
| 1831 | Transcriptome analysis of embryonic mammary cells reveals insights into mammary lineage establishment. <i>Breast Cancer Research</i> , 2011, 13, R79.  | 5.0 | 46        |
| 1832 | Developmental influence of the cellular prion protein on the gene expression profile in mouse hippocampus. <i>Physiological Genomics</i> , 2011, 43, 711-725.  | 2.3 | 20        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1833 | Software and Tools for Microarray Data Analysis. <i>Methods in Molecular Biology</i> , 2011, 784, 41-53.   | 0.9 | 14        |
| 1834 | Development of a Neural Teratogenicity Test Based on Human Embryonic Stem Cells: Response to Retinoic Acid Exposure. <i>Toxicological Sciences</i> , 2011, 124, 370-377.   | 3.1 | 58        |
| 1835 | System Level Changes in Gene Expression in Maturing Bladder Mucosa. <i>Journal of Urology</i> , 2011, 185, 1952-1958.  | 0.4 | 5         |
| 1836 | Survey of the effect of genetic variations on gene expression in human prefrontal cortex and its application to genetics of psychiatric disorders. <i>Neuroscience Research</i> , 2011, 70, 238-242.                   | 1.9 | 13        |
| 1837 | Nortriptyline influences protein pathways involved in carbohydrate metabolism and actin-related processes in a rat geneâ€environment model of depression. <i>European Neuropsychopharmacology</i> , 2011, 21, 545-562. | 0.7 | 21        |
| 1838 | CD98 expression modulates intestinal homeostasis, inflammation, and colitis-associated cancer in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 1733-1747.  | 8.2 | 102       |
| 1839 | Gene Expression and miR Profiles of Human Corneal Fibroblasts in Response to Dexamethasone. , 2011, 52, 7282.  |     | 21        |
| 1840 | Genetic Risk Factors: Their Function and Comorbidities in Alzheimer's Disease. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-2.  | 2.0 | 1         |
| 1841 | Identification and functional analysis of novel genes expressed in the Anterior Visceral Endoderm. <i>International Journal of Developmental Biology</i> , 2011, 55, 281-295.  | 0.6 | 19        |
| 1842 | Microarray Analysis of Iris Gene Expression in Mice with Mutations Influencing Pigmentation. , 2011, 52, 237.  |     | 14        |
| 1843 | Analysis of Complement Expression in Light-Induced Retinal Degeneration: Synthesis and Deposition of C3 by Microglia/Macrophages Is Associated with Focal Photoreceptor Degeneration. , 2011, 52, 5347.                |     | 84        |
| 1844 | Gene expression profiling identifies eleven DNA repair genes down-regulated during mouse neural crest cell migration. <i>International Journal of Developmental Biology</i> , 2011, 55, 65-72.                         | 0.6 | 15        |
| 1845 | Increased mRNA Levels of <i>TCF7L2</i> and <i>MYC</i> of the Wnt Pathway in Tg-ArcSwe Mice and Alzheimer's Disease Brain. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-7.                       | 2.0 | 15        |
| 1846 | Differential Gene Expression Analysis of Placentas with Increased Vascular Resistance and Pre-Eclampsia Using Whole-Genome Microarrays. <i>Journal of Pregnancy</i> , 2011, 2011, 1-12.                                | 2.4 | 48        |
| 1847 | GenSensor Suite: A Web-Based Tool for the Analysis of Gene and Protein Interactions, Pathways, and Regulation. <i>Advances in Bioinformatics</i> , 2011, 2011, 1-7.  | 5.7 | 6         |
| 1848 | Reproducible Isolation of Lymph Node Stromal Cells Reveals Site-Dependent Differences in Fibroblastic Reticular Cells. <i>Frontiers in Immunology</i> , 2011, 2, 35.   | 4.8 | 214       |
| 1849 | On Acute Gene Expression Changes after Ventral Root Replantation. <i>Frontiers in Neurology</i> , 2011, 1, 159.  | 2.4 | 13        |
| 1850 | Exploiting statistical methodologies and controlled vocabularies for prioritized functional analysis of genomic experiments: the StRAnGER web application. <i>Frontiers in Neuroscience</i> , 2011, 5, 8.              | 2.8 | 30        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1851 | Transcriptomic Analysis in a Drosophila Model Identifies Previously Implicated and Novel Pathways in the Therapeutic Mechanism in Neuropsychiatric Disorders. <i>Frontiers in Neuroscience</i> , 2011, 5, 161.  | 2.8 | 6         |
| 1852 | Cortical gene expression in spinal cord injury and repair: insight into the functional complexity of the neural regeneration program. <i>Frontiers in Molecular Neuroscience</i> , 2011, 4, 26.   | 2.9 | 17        |
| 1853 | Cranberry Proanthocyanidins Mediate Growth Arrest of Lung Cancer Cells through Modulation of Gene Expression and Rapid Induction of Apoptosis. <i>Molecules</i> , 2011, 16, 2375-2390.  | 3.8 | 38        |
| 1854 | Molecular Characterization of Transcriptome-wide Interactions between Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus and Porcine Alveolar Macrophages in vivo. <i>International Journal of Biological Sciences</i> , 2011, 7, 947-959. | 6.4 | 65        |
| 1855 | A Network-Based Approach to Prioritize Results from Genome-Wide Association Studies. <i>PLoS ONE</i> , 2011, 6, e24220.   | 2.5 | 64        |
| 1856 | Genome-Wide and Phase-Specific DNA-Binding Rhythms of BMAL1 Control Circadian Output Functions in Mouse Liver. <i>PLoS Biology</i> , 2011, 9, e1000595.   | 5.6 | 395       |
| 1857 | Genome-Wide Polymorphism and Comparative Analyses in the White-Tailed Deer ( <i>Odocoileus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 502   | 2.5 | 41        |
| 1858 | MicroRNAs MiR-17, MiR-20a, and MiR-106b Act in Concert to Modulate E2F Activity on Cell Cycle Arrest during Neuronal Lineage Differentiation of USSC. <i>PLoS ONE</i> , 2011, 6, e16138.  | 2.5 | 114       |
| 1859 | Autism and Increased Paternal Age Related Changes in Global Levels of Gene Expression Regulation. <i>PLoS ONE</i> , 2011, 6, e16715.  | 2.5 | 91        |
| 1860 | Changes in Whole Blood Gene Expression in Obese Subjects with Type 2 Diabetes Following Bariatric Surgery: a Pilot Study. <i>PLoS ONE</i> , 2011, 6, e16729.  | 2.5 | 70        |
| 1861 | A Computational Method for Prediction of Excretory Proteins and Application to Identification of Gastric Cancer Markers in Urine. <i>PLoS ONE</i> , 2011, 6, e16875.  | 2.5 | 32        |
| 1862 | Distinct Early Molecular Responses to Mutations Causing vLINCL and JNCL Presage ATP Synthase Subunit C Accumulation in Cerebellar Cells. <i>PLoS ONE</i> , 2011, 6, e17118.   | 2.5 | 53        |
| 1863 | Identification of ER Proteins Involved in the Functional Organisation of the Early Secretory Pathway in Drosophila Cells by a Targeted RNAi Screen. <i>PLoS ONE</i> , 2011, 6, e17173.  | 2.5 | 34        |
| 1864 | Genes and Gene Ontologies Common to Airflow Obstruction and Emphysema in the Lungs of Patients with COPD. <i>PLoS ONE</i> , 2011, 6, e17442.  | 2.5 | 26        |
| 1865 | Identification and Replication of Loci Involved in Camptothecin-Induced Cytotoxicity Using CEPH Pedigrees. <i>PLoS ONE</i> , 2011, 6, e17561.   | 2.5 | 14        |
| 1866 | GOBO: Gene Expression-Based Outcome for Breast Cancer Online. <i>PLoS ONE</i> , 2011, 6, e17911.  | 2.5 | 361       |
| 1867 | Identification of a Gene Regulatory Network Necessary for the Initiation of Oligodendrocyte Differentiation. <i>PLoS ONE</i> , 2011, 6, e18088.   | 2.5 | 88        |
| 1868 | Relationship between Gene Body DNA Methylation and Intragenic H3K9me3 and H3K36me3 Chromatin Marks. <i>PLoS ONE</i> , 2011, 6, e18844.  | 2.5 | 131       |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1869 | Dose-Dependent Onset of Regenerative Program in Neutron Irradiated Mouse Skin. PLoS ONE, 2011, 6, e19242.   | 2.5 | 13        |
| 1870 | A Customized Pigmentation SNP Array Identifies a Novel SNP Associated with Melanoma Predisposition in the SLC45A2 Gene. PLoS ONE, 2011, 6, e19271.                            | 2.5 | 18        |
| 1871 | Platelets Alter Gene Expression Profile in Human Brain Endothelial Cells in an In Vitro Model of Cerebral Malaria. PLoS ONE, 2011, 6, e19651.                                 | 2.5 | 32        |
| 1872 | GATA3 Expression Is Decreased in Psoriasis and during Epidermal Regeneration; Induction by Narrow-Band UVB and IL-4. PLoS ONE, 2011, 6, e19806.                               | 2.5 | 44        |
| 1873 | A High-Throughput Platform for Lentiviral Overexpression Screening of the Human ORFeome. PLoS ONE, 2011, 6, e20057.   | 2.5 | 43        |
| 1874 | Increased Expression of the Dyslexia Candidate Gene DCDC2 Affects Length and Signaling of Primary Cilia in Neurons. PLoS ONE, 2011, 6, e20580.                                | 2.5 | 113       |
| 1875 | A Systems Level, Functional Genomics Analysis of Chronic Epilepsy. PLoS ONE, 2011, 6, e20763.   | 2.5 | 67        |
| 1876 | Proteomic Analysis of Polypeptides Captured from Blood during Extracorporeal Albumin Dialysis in Patients with Cholestasis and Resistant Pruritus. PLoS ONE, 2011, 6, e21850. | 2.5 | 14        |
| 1877 | Interplay between SIN3A and STAT3 Mediates Chromatin Conformational Changes and GFAP Expression during Cellular Differentiation. PLoS ONE, 2011, 6, e22018.                   | 2.5 | 48        |
| 1878 | Quantitative Proteomics Identify Novel miR-155 Target Proteins. PLoS ONE, 2011, 6, e22146.  | 2.5 | 28        |
| 1879 | Voluntary Wheel Running Reverses Age-Induced Changes in Hippocampal Gene Expression. PLoS ONE, 2011, 6, e22654.   | 2.5 | 61        |
| 1880 | Genomic Analysis of Parent-of-Origin Allelic Expression in Arabidopsis thaliana Seeds. PLoS ONE, 2011, 6, e23687.   | 2.5 | 178       |
| 1881 | Inactivation of a Single Copy of Crebbp Selectively Alters Pre-mRNA Processing in Mouse Hematopoietic Stem Cells. PLoS ONE, 2011, 6, e24153.                                  | 2.5 | 7         |
| 1882 | Proteomic Interrogation of Human Chromatin. PLoS ONE, 2011, 6, e24747.  | 2.5 | 35        |
| 1883 | Necdin, a Negative Growth Regulator, Is a Novel STAT3 Target Gene Down-Regulated in Human Cancer. PLoS ONE, 2011, 6, e24923.  | 2.5 | 16        |
| 1884 | High-Throughput Analysis of Promoter Occupancy Reveals New Targets for Arx, a Gene Mutated in Mental Retardation and Interneuronopathies. PLoS ONE, 2011, 6, e25181.          | 2.5 | 36        |
| 1885 | attract: A Method for Identifying Core Pathways That Define Cellular Phenotypes. PLoS ONE, 2011, 6, e25445.   | 2.5 | 37        |
| 1886 | HIF-1 and SKN-1 Coordinate the Transcriptional Response to Hydrogen Sulfide in Caenorhabditis elegans. PLoS ONE, 2011, 6, e25476.   | 2.5 | 55        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1887 | An Integrated Transcriptomic and Meta-Analysis of Hepatoma Cells Reveals Factors That Influence Susceptibility to HCV Infection. PLoS ONE, 2011, 6, e25584.  | 2.5 | 18        |
| 1888 | RNA Sequencing Reveals Differential Expression of Mitochondrial and Oxidation Reduction Genes in the Long-Lived Naked Mole-Rat When Compared to Mice. PLoS ONE, 2011, 6, e26729.   | 2.5 | 91        |
| 1889 | Gene Expression Profile Change and Associated Physiological and Pathological Effects in Mouse Liver Induced by Fasting and Refeeding. PLoS ONE, 2011, 6, e27553.   | 2.5 | 49        |
| 1890 | Identification of Prognostic Genes for Recurrent Risk Prediction in Triple Negative Breast Cancer Patients in Taiwan. PLoS ONE, 2011, 6, e28222.   | 2.5 | 25        |
| 1891 | Gene Expression Profiling of Embryonic Human Neural Stem Cells and Dopaminergic Neurons from Adult Human Substantia Nigra. PLoS ONE, 2011, 6, e28420.  | 2.5 | 30        |
| 1892 | Single Cell Analysis Facilitates Staging of Blimp1-Dependent Primordial Germ Cells Derived from Mouse Embryonic Stem Cells. PLoS ONE, 2011, 6, e28960.   | 2.5 | 26        |
| 1893 | Searching for a system: The quest for ovarian cancer biomarkers. Cancer Biomarkers, 2011, 8, 223-230.  | 1.7 | 8         |
| 1894 | Microarray Analysis for <i>Saccharomyces cerevisiae</i> . Journal of Visualized Experiments, 2011, , .   | 0.3 | 3         |
| 1895 | Proteomic Identification of Overexpressed Adenomatous Polyposis Coli and Cyclin B3 During Endoderm Differentiation From Human Embryonic Stem Cells. Pancreas, 2011, 40, 271-280.   | 1.1 | 3         |
| 1896 | Analysis of the Human Pancreatic Stellate Cell Secreted Proteome. Pancreas, 2011, 40, 557-566.   | 1.1 | 83        |
| 1897 | Upregulated Signaling Pathways in Ruptured Human Saccular Intracranial Aneurysm Wall: An Emerging Regulative Role of Toll-Like Receptor Signaling and Nuclear Factor- $\kappa$ B, Hypoxia-Inducible Factor-1A, and ETS Transcription Factors. Neurosurgery, 2011, 68, 1667-1676. | 1.1 | 111       |
| 1898 | CREB-mediated alterations in the amygdala transcriptome: coordinated regulation of immune response genes following cocaine. International Journal of Neuropsychopharmacology, 2011, 14, 1111-1126.   | 2.1 | 6         |
| 1899 | Human Neurotrophin Receptor p75NTR Defines Differentiation-Oriented Skeletal Muscle Precursor Cells: Implications for Muscle Regeneration. Journal of Neuropathology and Experimental Neurology, 2011, 70, 133-142.  | 1.7 | 26        |
| 1900 | C-terminal domain of MEIS1 converts PKNOX1 (PREP1) into a HOXA9-collaborating oncoprotein. Blood, 2011, 118, 4682-4689.  | 1.4 | 9         |
| 1901 | Aberrant DNA hypermethylation signature in acute myeloid leukemia directed by EVI1. Blood, 2011, 117, 234-241.   | 1.4 | 94        |
| 1902 | Genomic profiling combined with gene expression profiling in primary central nervous system lymphoma. Blood, 2011, 117, 1291-1300.   | 1.4 | 94        |
| 1903 | Impact of alkylphospholipids on the gene expression profile of HaCaT cells. Pharmacogenetics and Genomics, 2011, 21, 375-387.  | 1.5 | 6         |
| 1904 | Classical Hodgkin's lymphoma shows epigenetic features of abortive plasma cell differentiation. Haematologica, 2011, 96, 863-870.  | 3.5 | 20        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1905 | A meta-analysis of single base-pair substitutions in translational termination codons ('nonstop') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 74   | 2.9  | 34        |
| 1907 | Caecal transcriptome analysis of colonized and nonâ€colonized chickens within two genetic lines that differ in caecal colonization by <i>Campylobacter jejuni</i>. Animal Genetics, 2011, 42, 491-500.    | 1.7  | 26        |
| 1908 | Transcriptional profiling during foetal skeletal muscle development of Piau and Yorkshire-Landrace cross-bred pigs. Animal Genetics, 2011, 42, 600-612.   | 1.7  | 21        |
| 1909 | Genome-wide analysis of brain transcriptional changes in honey bee ( <i>Apis mellifera</i> L.) queens exposed to carbon dioxide and physical manipulation. Insect Molecular Biology, 2011, 20, 387-398.   | 2.0  | 23        |
| 1910 | Gene expression profiling in male genital lichen sclerosis. International Journal of Experimental Pathology, 2011, 92, 320-325.   | 1.3  | 37        |
| 1911 | Functional genomics of the evolution of increased resistance to parasitism in <i>Drosophila</i>. Molecular Ecology, 2011, 20, 932-949.  | 3.9  | 32        |
| 1912 | The effects of mitochondrial genotype on hypoxic survival and gene expression in a hybrid population of the killifish, <i>Fundulus heteroclitus</i> . Molecular Ecology, 2011, 20, 4503-4520.             | 3.9  | 27        |
| 1913 | The Wnt/betaâ€catenin pathway is activated during advanced arterial aging in humans. Aging Cell, 2011, 10, 220-232.   | 6.7  | 109       |
| 1914 | Microarray analysis of nemorosoneâ€induced cytotoxic effects on pancreatic cancer cells reveals activation of the unfolded protein response (UPR). British Journal of Pharmacology, 2011, 162, 1045-1059. | 5.4  | 31        |
| 1915 | Molecular Profiles of Drinking Alcohol to Intoxication in C57BL/6J Mice. Alcoholism: Clinical and Experimental Research, 2011, 35, 659-670.   | 2.4  | 106       |
| 1916 | Up-Regulation of MicroRNAs in Brain of Human Alcoholics. Alcoholism: Clinical and Experimental Research, 2011, 35, 1928-1937.   | 2.4  | 174       |
| 1917 | Effects of Levosimendan on Cardiac Gene Expression Profile and Post-Infarct Cardiac Remodelling in Diabetic Goto-Kakizaki Rats. Basic and Clinical Pharmacology and Toxicology, 2011, 109, 387-397.       | 2.5  | 14        |
| 1918 | Transcriptional profiling of osseointegration in humans. Clinical Oral Implants Research, 2011, 22, 373-381.  | 4.5  | 85        |
| 1919 | Cartilage oligomeric matrix protein (COMP) forms part of the connective tissue of normal human hair follicles. Experimental Dermatology, 2011, 20, 361-366.   | 2.9  | 15        |
| 1920 | MicroRNA and gene expression analysis of melatonin-exposed human breast cancer cell lines indicating involvement of the anticancer effect. Journal of Pineal Research, 2011, 51, 345-352.                 | 7.4  | 89        |
| 1921 | Recessive LAMC3 mutations cause malformations of occipital cortical development. Nature Genetics, 2011, 43, 590-594.  | 21.4 | 102       |
| 1922 | Blood Gene Expression Reveal Pathway Differences Between Dietâ€Sensitive and Resistant Obese Subjects Prior to Caloric Restriction. Obesity, 2011, 19, 457-463.   | 3.0  | 23        |
| 1923 | Integration of cap analysis of gene expression and chromatin immunoprecipitation analysis on array reveals genome-wide androgen receptor signaling in prostate cancer cells. Oncogene, 2011, 30, 619-630. | 5.9  | 99        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1924 | Efficient in vivo microRNA targeting of liver metastasis. <i>Oncogene</i> , 2011, 30, 1481-1488.  | 5.9  | 101       |
| 1925 | Transforming growth factor- $\beta^2$ decreases the cancer-initiating cell population within diffuse-type gastric carcinoma cells. <i>Oncogene</i> , 2011, 30, 1693-1705.   | 5.9  | 77        |
| 1926 | Genotoxic exposure: novel cause of selection for a functional $\beta^N$ -p53 isoform. <i>Oncogene</i> , 2011, 30, 1764-1772.  | 5.9  | 9         |
| 1927 | Genome-wide screen reveals WNT11, a non-canonical WNT gene, as a direct target of ETS transcription factor ERG. <i>Oncogene</i> , 2011, 30, 2044-2056.  | 5.9  | 35        |
| 1928 | Prdm14 initiates lymphoblastic leukemia after expanding a population of cells resembling common lymphoid progenitors. <i>Oncogene</i> , 2011, 30, 2859-2873.  | 5.9  | 52        |
| 1929 | Prostate cancer gene expression signature of patients with high body mass index. <i>Prostate Cancer and Prostatic Diseases</i> , 2011, 14, 22-29.   | 3.9  | 32        |
| 1930 | The unfolded protein response transducer IRE1 $\beta$ prevents ER stress-induced hepatic steatosis. <i>EMBO Journal</i> , 2011, 30, 1357-1375.  | 7.8  | 302       |
| 1931 | Extensive chromatin remodelling and establishment of transcription factor "hotspots" during early adipogenesis. <i>EMBO Journal</i> , 2011, 30, 1459-1472.  | 7.8  | 300       |
| 1932 | KDM5B regulates embryonic stem cell self-renewal and represses cryptic intragenic transcription. <i>EMBO Journal</i> , 2011, 30, 1473-1484.   | 7.8  | 144       |
| 1933 | Human gene expression profiles of susceptibility and resistance in tuberculosis. <i>Genes and Immunity</i> , 2011, 12, 15-22.   | 4.1  | 288       |
| 1934 | Characterization of the macrophage transcriptome in glomerulonephritis-susceptible and -resistant rat strains. <i>Genes and Immunity</i> , 2011, 12, 78-89.   | 4.1  | 11        |
| 1935 | Therapeutic hypothermia alters microRNA responses to traumatic brain injury in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1897-1907.  | 4.3  | 89        |
| 1936 | Somatic coding mutations in human induced pluripotent stem cells. <i>Nature</i> , 2011, 471, 63-67.   | 27.8 | 1,147     |
| 1937 | $\beta^N$ p63 is an ectodermal gatekeeper of epidermal morphogenesis. <i>Cell Death and Differentiation</i> , 2011, 18, 887-896.  | 11.2 | 119       |
| 1938 | Mutant p53R175H upregulates Twist1 expression and promotes epithelial "mesenchymal transition in immortalized prostate cells. <i>Cell Death and Differentiation</i> , 2011, 18, 271-281.  | 11.2 | 136       |
| 1939 | Arsenic- and cadmium-induced toxicogenomic response in mouse embryos undergoing neurulation. <i>Toxicology and Applied Pharmacology</i> , 2011, 250, 117-129.   | 2.8  | 45        |
| 1940 | Non-additive hepatic gene expression elicited by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) and 2,2',4,4',5,5'-hexachlorobiphenyl (PCB153) co-treatment in C57BL/6 mice. <i>Toxicology and Applied Pharmacology</i> , 2011, 256, 154-167. | 2.8  | 23        |
| 1941 | The effect of four non-genotoxic carcinogens and four non-carcinogens on NRK-52E cells using a transcriptomics approach. <i>Toxicology</i> , 2011, 290, 110.  | 4.2  | 2         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1942 | Transcriptional responses of host peripheral blood cells to tuberculosis infection. <i>Tuberculosis</i> , 2011, 91, 390-399.  | 1.9  | 64        |
| 1943 | Candidate genes for physical performance in the horse. <i>Veterinary Journal</i> , 2011, 190, 39-48.  | 1.7  | 35        |
| 1944 | General and family-specific gene expression responses to viral hemorrhagic septicaemia virus infection in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Molecular Immunology</i> , 2011, 48, 1046-1058.                    | 2.2  | 18        |
| 1945 | Radiation-induced epigenetic alterations after low and high LET irradiations. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 707, 24-33.  | 1.0  | 100       |
| 1946 | Dynamics of the transcriptome response of cultured human embryonic stem cells to ionizing radiation exposure. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 709-710, 40-48.          | 1.0  | 27        |
| 1947 | Inhibition of Gsk3 $\beta$ in cartilage induces osteoarthritic features through activation of the canonical Wnt signaling pathway. <i>Osteoarthritis and Cartilage</i> , 2011, 19, 1363-1372.                                 | 1.3  | 58        |
| 1948 | TGF $\beta$ 1 and Wnt-3a interact to induce unique gene expression profiles in murine embryonic palate mesenchymal cells. <i>Reproductive Toxicology</i> , 2011, 31, 128-133.   | 2.9  | 1         |
| 1949 | Exposure of human fetal penile cells to different PCB mixtures: transcriptome analysis points to diverse modes of interference on external genitalia programming. <i>Reproductive Toxicology</i> , 2011, 32, 1-14.            | 2.9  | 13        |
| 1950 | Comparison of MeHg-induced toxicogenomic responses across in vivo and in vitro models used in developmental toxicology. <i>Reproductive Toxicology</i> , 2011, 32, 180-188.   | 2.9  | 35        |
| 1951 | Genome-wide DNA methylation patterns in IVF-conceived mice and their progeny: A putative model for ART-conceived humans. <i>Reproductive Toxicology</i> , 2011, 32, 98-105.   | 2.9  | 20        |
| 1952 | Patterns of pain: Meta-analysis of microarray studies of pain. <i>Pain</i> , 2011, 152, 1888-1898.  | 4.2  | 176       |
| 1953 | Effect of postharvest water deficit stress on gene expression in heads of broccoli ( <i>Brassica oleracea</i> ) Tj ETQq1 1 0.784314 rgBT /Overbo  | 6.0  | 8         |
| 1954 | Mechanisms of epileptogenesis and potential treatment targets. <i>Lancet Neurology</i> , The, 2011, 10, 173-186.  | 10.2 | 490       |
| 1955 | Transcriptional profiling of peripheral lymphoid tissue reveals genes and networks linked to SSBP/1 scrapie pathology in sheep. <i>Veterinary Microbiology</i> , 2011, 153, 218-228.  | 1.9  | 9         |
| 1956 | Transcriptional profiling of <i>C. elegans</i> DAF-19 uncovers a ciliary base-associated protein and a CDK/CCRK/LF2p-related kinase required for intraflagellar transport. <i>Developmental Biology</i> , 2011, 357, 235-247. | 2.0  | 65        |
| 1957 | Identification of novel Hoxa1 downstream targets regulating hindbrain, neural crest and inner ear development. <i>Developmental Biology</i> , 2011, 357, 295-304.   | 2.0  | 51        |
| 1958 | Gene expression profiling at early organogenesis reveals both common and diverse mechanisms in foregut patterning. <i>Developmental Biology</i> , 2011, 359, 163-175.   | 2.0  | 52        |
| 1959 | Trachealess (Trh) regulates all tracheal genes during <i>Drosophila</i> embryogenesis. <i>Developmental Biology</i> , 2011, 360, 160-172.   | 2.0  | 44        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1960 | Wnt signalling mediates the cross-talk between bone marrow derived pre-adipocytic and pre-osteoblastic cell populations. <i>Experimental Cell Research</i> , 2011, 317, 745-756.  | 2.6  | 101       |
| 1961 | Joint analysis of transcriptional and post- transcriptional brain tumor data: searching for emergent properties of cellular systems. <i>BMC Bioinformatics</i> , 2011, 12, 86.  | 2.6  | 8         |
| 1962 | Limited redundancy in genes regulated by Cyclin T2 and Cyclin T1. <i>BMC Research Notes</i> , 2011, 4, 260.   | 1.4  | 16        |
| 1963 | Deregulation of the ubiquitin-proteasome system is the predominant molecular pathology in OPMD animal models and patients. <i>Skeletal Muscle</i> , 2011, 1, 15.  | 4.2  | 40        |
| 1964 | Gene expression evidence for off-target effects caused by RNA interference-mediated gene silencing of Ubiquitin-63E in the cattle tick <i>Rhipicephalus microplus</i> . <i>International Journal for Parasitology</i> , 2011, 41, 1001-1014.              | 3.1  | 33        |
| 1965 | Molecular phenotype of monocytes at the maternal-fetal interface. <i>American Journal of Obstetrics and Gynecology</i> , 2011, 205, 265.e1-265.e8.  | 1.3  | 22        |
| 1966 | A global transcriptomic view of the multifaceted role of glutathione peroxidase-1 in cerebral ischemic-reperfusion injury. <i>Free Radical Biology and Medicine</i> , 2011, 50, 736-748.  | 2.9  | 20        |
| 1967 | Differential gene expression in normal and transformed human mammary epithelial cells in response to oxidative stress. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1565-1574.  | 2.9  | 14        |
| 1968 | Identification of differentially expressed genes in the heart precursor cells of the chick embryo. <i>Gene Expression Patterns</i> , 2011, 11, 437-447.   | 0.8  | 8         |
| 1969 | The induction of epigenetic regulation of PROS1 gene in lung fibroblasts by gold nanoparticles and implications for potential lung injury. <i>Biomaterials</i> , 2011, 32, 7609-7615.   | 11.4 | 81        |
| 1970 | High-frequency stimulation of the ventrolateral thalamus regulates gene expression in hippocampus, motor cortex and caudate-putamen. <i>Brain Research</i> , 2011, 1391, 1-13.  | 2.2  | 16        |
| 1971 | Transcriptional profiles induced by the Aryl Hydrocarbon Receptor agonists 2,3,7,8-tetrachlorodibenzo-p-dioxin, 2,3,7,8-tetrachlorodibenzofuran and 2,3,4,7,8-pentachlorodibenzofuran in primary rat hepatocytes. <i>Chemosphere</i> , 2011, 85, 232-238. | 8.2  | 11        |
| 1972 | Large-Scale Discovery of ERK2 Substrates Identifies ERK-Mediated Transcriptional Regulation by ETV3. <i>Science Signaling</i> , 2011, 4, rs11.  | 3.6  | 125       |
| 1973 | A METHODOLOGY BASED ON MOLECULAR INTERACTIONS AND PATHWAYS TO FIND CANDIDATE GENES ASSOCIATED TO DISEASES: ITS APPLICATION TO SCHIZOPHRENIA AND ALZHEIMER'S DISEASE. <i>Journal of Bioinformatics and Computational Biology</i> , 2011, 09, 541-557.      | 0.8  | 5         |
| 1974 | Breast Cancer Methylomes Establish an Epigenomic Foundation for Metastasis. <i>Science Translational Medicine</i> , 2011, 3, 75ra25.  | 12.4 | 242       |
| 1975 | Regulation of male germ cell cycle arrest and differentiation by DND1 is modulated by genetic background. <i>Development (Cambridge)</i> , 2011, 138, 23-32.  | 2.5  | 89        |
| 1976 | A systems biological view of intracellular pathogens. <i>Immunological Reviews</i> , 2011, 240, 117-128.  | 6.0  | 23        |
| 1977 | A Qualitative and Quantitative Proteomic Study of Human Microdialysate and the Cutaneous Response to Injury. <i>AAPS Journal</i> , 2011, 13, 309-317.   | 4.4  | 19        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1978 | Mutations in PRDM5 in Brittle Cornea Syndrome Identify a Pathway Regulating Extracellular Matrix Development and Maintenance. <i>American Journal of Human Genetics</i> , 2011, 88, 767-777.                       | 6.2 | 106       |
| 1979 | Recent Admixture in an Indian Population of African Ancestry. <i>American Journal of Human Genetics</i> , 2011, 89, 111-120.   | 6.2 | 32        |
| 1980 | <i>Helicobacter bilis</i> Colonization Enhances Susceptibility to Typhlocolitis Following an Inflammatory Trigger. <i>Digestive Diseases and Sciences</i> , 2011, 56, 2838-2848.                                   | 2.3 | 26        |
| 1981 | Enhanced serine production by bone metastatic breast cancer cells stimulates osteoclastogenesis. <i>Breast Cancer Research and Treatment</i> , 2011, 125, 421-430.   | 2.5 | 222       |
| 1982 | Cerebral gene expression in response to single or combined gestational exposure to methylmercury and selenium through the maternal diet. <i>Cell Biology and Toxicology</i> , 2011, 27, 181-197.                   | 5.3 | 14        |
| 1983 | MYBPC1 Computational Phosphoprotein Network Construction and Analysis between Frontal Cortex of HIV encephalitis (HIVE) and HIVE-Control Patients. <i>Cellular and Molecular Neurobiology</i> , 2011, 31, 233-241. | 3.3 | 22        |
| 1984 | A systems view of epithelial-mesenchymal transition signaling states. <i>Clinical and Experimental Metastasis</i> , 2011, 28, 137-155.   | 3.3 | 190       |
| 1985 | OLIG2 is differentially expressed in pediatric astrocytic and in ependymal neoplasms. <i>Journal of Neuro-Oncology</i> , 2011, 104, 423-438.   | 2.9 | 63        |
| 1986 | Generation of a large-scale genomic resource for functional and comparative genomics in <i>Liriodendron tulipifera</i> L.. <i>Tree Genetics and Genomes</i> , 2011, 7, 941-954.                                    | 1.6 | 13        |
| 1987 | Engineering of red cells of <i>Arabidopsis thaliana</i> and comparative genome-wide gene expression analysis of red cells versus wild-type cells. <i>Planta</i> , 2011, 233, 787-805.                              | 3.2 | 40        |
| 1988 | Transcriptomic analysis of cell-free fetal RNA suggests a specific molecular phenotype in trisomy 18. <i>Human Genetics</i> , 2011, 129, 295-305.  | 3.8 | 44        |
| 1989 | Genetic analysis of Down syndrome-associated heart defects in mice. <i>Human Genetics</i> , 2011, 130, 623-632.  | 3.8 | 47        |
| 1990 | Identification of the Target Proteins of Rosiglitazone in 3T3-L1 Adipocytes through Proteomic Analysis of Cytosolic and Secreted Proteins. <i>Molecules and Cells</i> , 2011, 31, 239-246.                         | 2.6 | 26        |
| 1991 | cGMP modulates responses to queen mandibular pheromone in worker honey bees. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2011, 197, 939-948.           | 1.6 | 15        |
| 1992 | Rat neonatal beta cells lack the specialised metabolic phenotype of mature beta cells. <i>Diabetologia</i> , 2011, 54, 594-604.  | 6.3 | 111       |
| 1993 | Antigens in chronic myeloid leukemia: implications for vaccine development. <i>Cancer Immunology, Immunotherapy</i> , 2011, 60, 1655-1668.   | 4.2 | 21        |
| 1994 | Picoplatin overcomes resistance to cell toxicity in small-cell lung cancer cells previously treated with cisplatin and carboplatin. <i>Cancer Chemotherapy and Pharmacology</i> , 2011, 67, 1389-1400.             | 2.3 | 40        |
| 1995 | Overexpression of SUMO perturbs the growth and development of <i>Caenorhabditis elegans</i> . <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 3219-3232.   | 5.4 | 15        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1996 | A two-dimensional protein fragmentation-proteomic study of neuronal ceroid lipofuscinoses: Identification and characterization of differentially expressed proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 304-316. | 2.3  | 8         |
| 1997 | Phospho-proteomic analysis of mantle cell lymphoma cells suggests a pro-survival role of B-cell receptor signaling. <i>Cellular Oncology (Dordrecht)</i> , 2011, 34, 141-153.  | 4.4  | 65        |
| 1998 | CREB5 Computational Regulation Network Construction and Analysis Between Frontal Cortex of HIV Encephalitis (HIVE) and HIVE-Control Patients. <i>Cell Biochemistry and Biophysics</i> , 2011, 60, 199-207.   | 1.8  | 24        |
| 1999 | Differential Inductive Signaling of CD90+ Prostate Cancer-Associated Fibroblasts Compared to Normal Tissue Stromal Mesenchyme Cells. <i>Cancer Microenvironment</i> , 2011, 4, 51-59.  | 3.1  | 19        |
| 2000 | The effects of aging vs. $\hat{1}\pm 7$ nAChR subunit deficiency on the mouse brain transcriptome: aging beats the deficiency. <i>Age</i> , 2011, 33, 1-13.  | 3.0  | 6         |
| 2001 | An <i>Arabidopsis thaliana</i> (Ler) inbred line AFDL exhibiting abnormal flower development mainly caused by reduced AP1 expression. <i>Science Bulletin</i> , 2011, 56, 39-47.   | 1.7  | 5         |
| 2002 | TEAD1-dependent expression of the FoxO3a gene in mouse skeletal muscle. <i>BMC Molecular Biology</i> , 2011, 12, 1.  | 3.0  | 39        |
| 2003 | Dengue-2 Structural Proteins Associate with Human Proteins to Produce a Coagulation and Innate Immune Response Biased Interactome. <i>BMC Infectious Diseases</i> , 2011, 11, 34.  | 2.9  | 23        |
| 2004 | Parental ages and levels of DNA methylation in the newborn are correlated. <i>BMC Medical Genetics</i> , 2011, 12, 47.   | 2.1  | 86        |
| 2005 | Expression patterns of microRNAs associated with CML phases and their disease related targets. <i>Molecular Cancer</i> , 2011, 10, 41.   | 19.2 | 124       |
| 2006 | Analysis of EGFR signaling pathway in nasopharyngeal carcinoma cells by quantitative phosphoproteomics. <i>Proteome Science</i> , 2011, 9, 35.   | 1.7  | 30        |
| 2007 | Comparison of human glomerulus proteomic profiles obtained from low quantities of samples by different mass spectrometry with the comprehensive database. <i>Proteome Science</i> , 2011, 9, 47.   | 1.7  | 14        |
| 2008 | Bioinformatic detection of E47, E2F1 and SREBP1 transcription factors as potential regulators of genes associated to acquisition of endometrial receptivity. <i>Reproductive Biology and Endocrinology</i> , 2011, 9, 14.  | 3.3  | 51        |
| 2009 | 15 kDa Granulysin versus GM-CSF for monocytes differentiation: analogies and differences at the transcriptome level. <i>Journal of Translational Medicine</i> , 2011, 9, 41.   | 4.4  | 11        |
| 2010 | Role of adhesion molecules and inflammation in Venezuelan equine encephalitis virus infected mouse brain. <i>Virology Journal</i> , 2011, 8, 197.  | 3.4  | 31        |
| 2011 | The biology of lysine acetylation integrates transcriptional programming and metabolism. <i>Nutrition and Metabolism</i> , 2011, 8, 12.  | 3.0  | 59        |
| 2012 | Decreased expression of B cell related genes in leukocytes of women with Parkinson's disease. <i>Molecular Neurodegeneration</i> , 2011, 6, 66.  | 10.8 | 23        |
| 2013 | WebGimm: An integrated web-based platform for cluster analysis, functional analysis, and interactive visualization of results. <i>Source Code for Biology and Medicine</i> , 2011, 6, 3.   | 1.7  | 6         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2014 | In Silico discovery of transcription factors as potential diagnostic biomarkers of ovarian cancer. BMC Systems Biology, 2011, 5, 144.  | 3.0 | 12        |
| 2015 | Regulation of the yeast metabolic cycle by transcription factors with periodic activities. BMC Systems Biology, 2011, 5, 160.  | 3.0 | 14        |
| 2016 | Identifying cancer biomarkers by network-constrained support vector machines. BMC Systems Biology, 2011, 5, 161.   | 3.0 | 76        |
| 2017 | Regulatory coordination of clustered microRNAs based on microRNA-transcription factor regulatory network. BMC Systems Biology, 2011, 5, 199.   | 3.0 | 57        |
| 2018 | Exploring molecular links between lymph node invasion and cancer prognosis in human breast cancer. BMC Systems Biology, 2011, 5, S4.   | 3.0 | 8         |
| 2019 | Jejunal gene expression patterns correlate with severity of systemic infection in chicken. BMC Proceedings, 2011, 5, S4.   | 1.6 | 4         |
| 2020 | Time course analysis of gene expression identifies multiple genes with differential expression in patients with in-stent restenosis. BMC Medical Genomics, 2011, 4, 20.  | 1.5 | 6         |
| 2021 | Comparative analysis of the human hepatic and adipose tissue transcriptomes during LPS-induced inflammation leads to the identification of differential biological pathways and candidate biomarkers. BMC Medical Genomics, 2011, 4, 71. | 1.5 | 20        |
| 2022 | Alignment of gene expression profiles from test samples against a reference database: New method for context-specific interpretation of microarray data. BioData Mining, 2011, 4, 5.   | 4.0 | 5         |
| 2023 | Genome-wide mapping of imprinted differentially methylated regions by DNA methylation profiling of human placentas from triploidies. Epigenetics and Chromatin, 2011, 4, 10.   | 3.9 | 84        |
| 2024 | Extensive epigenetic reprogramming in human somatic tissues between fetus and adult. Epigenetics and Chromatin, 2011, 4, 7.  | 3.9 | 57        |
| 2025 | A noise-reduction GWAS analysis implicates altered regulation of neurite outgrowth and guidance in autism. Molecular Autism, 2011, 2, 1.   | 4.9 | 191       |
| 2026 | Transcriptional landscape of bone marrow-derived very small embryonic-like stem cells during hypoxia. Respiratory Research, 2011, 12, 63.  | 3.6 | 12        |
| 2027 | Expression analysis of asthma candidate genes during human and murine lung development. Respiratory Research, 2011, 12, 86.  | 3.6 | 55        |
| 2028 | Pathway-based analysis using reduced gene subsets in genome-wide association studies. BMC Bioinformatics, 2011, 12, 17.  | 2.6 | 30        |
| 2029 | TAFEL: Independent Enrichment Analysis of gene sets. BMC Bioinformatics, 2011, 12, 171.  | 2.6 | 1         |
| 2030 | Identifier mapping performance for integrating transcriptomics and proteomics experimental results. BMC Bioinformatics, 2011, 12, 213.   | 2.6 | 73        |
| 2031 | Discovering biological connections between experimental conditions based on common patterns of differential gene expression. BMC Bioinformatics, 2011, 12, 381.  | 2.6 | 21        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2032 | Network based transcription factor analysis of regenerating axolotl limbs. BMC Bioinformatics, 2011, 12, 80.   | 2.6 | 25        |
| 2033 | Integrated metabolome and transcriptome analysis of the NCI60 dataset. BMC Bioinformatics, 2011, 12, S36.  | 2.6 | 38        |
| 2034 | Construction and analysis of the protein-protein interaction networks for schizophrenia, bipolar disorder, and major depression. BMC Bioinformatics, 2011, 12, S20.  | 2.6 | 46        |
| 2035 | Genome-wide mapping of Sox6 binding sites in skeletal muscle reveals both direct and indirect regulation of muscle terminal differentiation by Sox6. BMC Developmental Biology, 2011, 11, 59.                  | 2.1 | 46        |
| 2036 | Identification of common and cell type specific LXXLL motif EcR cofactors using a bioinformatics refined candidate RNAi screen in Drosophila melanogaster cell lines. BMC Developmental Biology, 2011, 11, 66. | 2.1 | 9         |
| 2037 | Genome-wide analysis of gene expression during Xenopus tropicalis tadpole tail regeneration. BMC Developmental Biology, 2011, 11, 70.  | 2.1 | 74        |
| 2038 | Sequential analysis of global gene expression profiles in immature and in vitro matured bovine oocytes: potential molecular markers of oocyte maturation. BMC Genomics, 2011, 12, 151.                         | 2.8 | 70        |
| 2039 | Comparative transcriptome profiling of amyloid precursor protein family members in the adult cortex. BMC Genomics, 2011, 12, 160.  | 2.8 | 39        |
| 2040 | Differences in TCDD-elicited gene expression profiles in human HepG2, mouse Hepa1c1c7 and rat H4IIE hepatoma cells. BMC Genomics, 2011, 12, 193.   | 2.8 | 48        |
| 2041 | Gene expression patterns in four brain areas associate with quantitative measure of estrous behavior in dairy cows. BMC Genomics, 2011, 12, 200.   | 2.8 | 16        |
| 2042 | Genome-wide survey reveals dynamic widespread tissue-specific changes in DNA methylation during development. BMC Genomics, 2011, 12, 231.  | 2.8 | 121       |
| 2043 | Integration of Genome-Wide Computation DRE Search, AhR ChIP-chip and Gene Expression Analyses of TCDD-Elicited Responses in the Mouse Liver. BMC Genomics, 2011, 12, 365.                                      | 2.8 | 112       |
| 2044 | Histological and transcriptome-wide level characteristics of fetal myofiber hyperplasia during the second half of gestation in Texel and Ujumqin sheep. BMC Genomics, 2011, 12, 411.                           | 2.8 | 27        |
| 2045 | Differential gene expression profiling of human bone marrow-derived mesenchymal stem cells during adipogenic development. BMC Genomics, 2011, 12, 461.   | 2.8 | 92        |
| 2046 | Genome-wide examination of the transcriptional response to ecdysteroids 20-hydroxyecdysone and ponasterone A in Drosophila melanogaster. BMC Genomics, 2011, 12, 475.  | 2.8 | 17        |
| 2047 | Deciphering c-MYC-regulated genes in two distinct tissues. BMC Genomics, 2011, 12, 476.  | 2.8 | 16        |
| 2048 | Meta-analysis and genome-wide interpretation of genetic susceptibility to drug addiction. BMC Genomics, 2011, 12, 508.   | 2.8 | 34        |
| 2049 | Sex-dimorphism in Cardiac Nutrigenomics: effect of Trans fat and/or Monosodium Glutamate consumption. BMC Genomics, 2011, 12, 555.   | 2.8 | 14        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2050 | Global assessment of genomic variation in cattle by genome resequencing and high-throughput genotyping. BMC Genomics, 2011, 12, 557.  | 2.8 | 74        |
| 2051 | Proteomic analysis of endothelial cold-adaptation. BMC Genomics, 2011, 12, 630.   | 2.8 | 19        |
| 2052 | Differential gene expression in liver and small intestine from lactating rats compared to age-matched virgin controls detects increased mRNA of cholesterol biosynthetic genes. BMC Genomics, 2011, 12, 95.       | 2.8 | 22        |
| 2053 | A robust tool for discriminative analysis and feature selection in paired samples impacts the identification of the genes essential for reprogramming lung tissue to adenocarcinoma. BMC Genomics, 2011, 12, S24. | 2.8 | 18        |
| 2054 | Transcriptomic profiles of peripheral white blood cells in type II diabetes and racial differences in expression profiles. BMC Genomics, 2011, 12, S12.   | 2.8 | 12        |
| 2055 | Protease-associated cellular networks in malaria parasite Plasmodium falciparum. BMC Genomics, 2011, 12, S9.  | 2.8 | 22        |
| 2056 | Comparison of static immersion and intravenous injection systems for exposure of zebrafish embryos to the natural pathogen Edwardsiella tarda. BMC Immunology, 2011, 12, 58.                                      | 2.2 | 85        |
| 2057 | Staphylococcus aureus Biofilm and Planktonic cultures differentially impact gene expression, mapk phosphorylation, and cytokine production in human keratinocytes. BMC Microbiology, 2011, 11, 143.               | 3.3 | 101       |
| 2058 | A comparison of the Giardia lamblia trophozoite and cyst transcriptome using microarrays. BMC Microbiology, 2011, 11, 91.   | 3.3 | 24        |
| 2059 | Gain of function mutant p53 but not p53 deletion promotes head and neck cancer progression in response to oncogenic K-ras. Journal of Pathology, 2011, 225, 479-489.  | 4.5 | 44        |
| 2060 | Mass spectrometry-based proteomics of endoscopically collected pancreatic fluid in chronic pancreatitis research. Proteomics - Clinical Applications, 2011, 5, 109-120.   | 1.6 | 19        |
| 2061 | Discovery of biomarker candidates for coronary artery disease from an APOE knock out mouse model using iTRAQ-based multiplex quantitative proteomics. Proteomics, 2011, 11, 2763-2776.                            | 2.2 | 30        |
| 2062 | Proteomic analysis of urinary exosomes from patients of early IgA nephropathy and thin basement membrane nephropathy. Proteomics, 2011, 11, 2459-2475.  | 2.2 | 211       |
| 2063 | The Protein Information and Property Explorer 2: Goggle-like exploration of biological proteomic data within one webpage. Proteomics, 2011, 11, 154-158.  | 2.2 | 9         |
| 2064 | Quantitative temporal proteomic analysis of human embryonic stem cell differentiation into oligodendrocyte progenitor cells. Proteomics, 2011, 11, 4007-4020.   | 2.2 | 39        |
| 2065 | Molecular and Functional Characterizations of Gastrula Organizer Cells Derived from Human Embryonic Stem Cells. Stem Cells, 2011, 29, 600-608.  | 3.2 | 32        |
| 2066 | Functional Characterization of Quiescent Keratinocyte Stem Cells and Their Progeny Reveals a Hierarchical Organization in Human Skin Epidermis. Stem Cells, 2011, 29, 1256-1268.                                  | 3.2 | 59        |
| 2067 | Signaling pathways in early cardiac development. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2011, 3, 191-205.   | 6.6 | 15        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2068 | Forced activation of Stat5 subjects mammary epithelial cells to DNA damage and preferential induction of the cellular response mechanism during proliferation. <i>Journal of Cellular Physiology</i> , 2011, 226, 616-626.                                     | 4.1 | 11        |
| 2069 | Gene profiling reveals hydrogen sulphide recruits death signaling via the N-methyl-D-aspartate receptor identifying commonalities with excitotoxicity. <i>Journal of Cellular Physiology</i> , 2011, 226, 1308-1322.   | 4.1 | 30        |
| 2070 | 5-fluorouracil drug alters the microRNA expression profiles in MCF-7 breast cancer cells. <i>Journal of Cellular Physiology</i> , 2011, 226, 1868-1878.  | 4.1 | 53        |
| 2071 | Similarities and differences in peripheral blood gene expression signatures of individuals with schizophrenia and their first-degree biological relatives. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2011, 156, 869-887. | 1.7 | 53        |
| 2073 | Human Î²-defensin 3 affects the activity of pro-inflammatory pathways associated with MyD88 and TRIF. <i>European Journal of Immunology</i> , 2011, 41, 3291-3300.   | 2.9 | 122       |
| 2074 | Activation of interferon signaling pathways in spinal cord astrocytes from an ALS mouse model. <i>Glia</i> , 2011, 59, 946-958.  | 4.9 | 82        |
| 2075 | Prenatal stress diminishes gender differences in behavior and in expression of hippocampal synaptic genes and proteins in rats. <i>Hippocampus</i> , 2011, 21, 1114-1125.  | 1.9 | 52        |
| 2076 | Genomic signature of BRCA1 deficiency in sporadic basal-like breast tumors. <i>Genes Chromosomes and Cancer</i> , 2011, 50, 71-81.   | 2.8 | 53        |
| 2077 | Functional implications of microRNAs in acute myeloid leukemia by integrating microRNA and messenger RNA expression profiling. <i>Cancer</i> , 2011, 117, 4696-4706.   | 4.1 | 55        |
| 2078 | Peripheral nerve graft with immunosuppression modifies gene expression in axotomized CNS neurons. <i>Journal of Comparative Neurology</i> , 2011, 519, 3433-3455.  | 1.6 | 2         |
| 2079 | Characterization of copy number stable regions in the human genome. <i>Human Mutation</i> , 2011, 32, 947-955.   | 2.5 | 19        |
| 2080 | Genome-wide DNA methylation analysis of neuroblastic tumors reveals clinically relevant epigenetic events and large-scale epigenomic alterations localized to telomeric regions. <i>International Journal of Cancer</i> , 2011, 128, 2296-2305.                | 5.1 | 38        |
| 2081 | Tumor associated mesenchymal stem cells protects ovarian cancer cells from hyperthermia through CXCL12. <i>International Journal of Cancer</i> , 2011, 128, 715-725.   | 5.1 | 96        |
| 2082 | Gene expression profiling reveals novel biomarkers in nonsmall cell lung cancer. <i>International Journal of Cancer</i> , 2011, 129, 355-364.  | 5.1 | 224       |
| 2083 | Large-scale integration of microarray data reveals genes and pathways common to multiple cancer types. <i>International Journal of Cancer</i> , 2011, 128, 2881-2891.  | 5.1 | 33        |
| 2084 | MED29, a component of the mediator complex, possesses both oncogenic and tumor suppressive characteristics in pancreatic cancer. <i>International Journal of Cancer</i> , 2011, 129, 2553-2565.  | 5.1 | 18        |
| 2085 | Delayed response in the rat frontal lobe transcriptome to perinatal exposure to the flame retardant BDE47. <i>Journal of Applied Toxicology</i> , 2011, 31, 477-483.   | 2.8 | 26        |
| 2086 | Trans fat diet causes decreased brood size and shortened lifespan in <i>Caenorhabditis elegans</i> delta-6-desaturase mutant fat-3. <i>Journal of Biochemical and Molecular Toxicology</i> , 2011, 25, 269-279.  | 3.0 | 12        |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2087 | MicroRNA identity and abundance in developing swine adipose tissue as determined by solexa sequencing. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 1318-1328.   | 2.6  | 128       |
| 2088 | Rituximab treatment induces the expression of genes involved in healing processes in the rheumatoid arthritis synovium. <i>Arthritis and Rheumatism</i> , 2011, 63, 1246-1254.   | 6.7  | 30        |
| 2089 | Racial differences in gene-specific DNA methylation levels are present at birth. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2011, 91, 728-736.  | 1.6  | 131       |
| 2090 | MicroRNA gene expression signatures in the developing neural tube. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2011, 91, 744-762.  | 1.6  | 33        |
| 2091 | Blood Gene Expression Profiling of Breast Cancer Survivors Experiencing Fibrosis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 875-883.  | 0.8  | 12        |
| 2092 | Shotgun proteomic analysis of microdissected postmortem human pituitary using complementary two-dimensional liquid chromatography coupled with tandem mass spectrometer. <i>Analytica Chimica Acta</i> , 2011, 688, 183-190. | 5.4  | 13        |
| 2093 | A combination method of chemical with enzyme reactions for identification of membrane proteins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 397-404.  | 2.3  | 7         |
| 2094 | The influence of surface microroughness and hydrophilicity of titanium on the up-regulation of TGF $\beta$ 2/BMP signalling in osteoblasts.. <i>Biomaterials</i> , 2011, 32, 665-671.  | 11.4 | 184       |
| 2095 | Genetic identification of unique immunological responses in mice infected with virulent and attenuated <i>Francisella tularensis</i> . <i>Microbes and Infection</i> , 2011, 13, 261-275.                                    | 1.9  | 14        |
| 2096 | Uncovering the global host cell requirements for influenza virus replication via RNAi screening. <i>Microbes and Infection</i> , 2011, 13, 516-525.  | 1.9  | 84        |
| 2097 | Proteomic analysis of formalin-fixed, paraffin-embedded lung neuroendocrine tumor samples from hospital archives. <i>Journal of Proteomics</i> , 2011, 74, 359-370.  | 2.4  | 39        |
| 2098 | Rescue of the mutant CFTR chloride channel by pharmacological correctors and low temperature analyzed by gene expression profiling. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C872-C885.          | 4.6  | 79        |
| 2099 | Airway Epithelial Transcription Factor NK2 Homeobox 1 Inhibits Mucous Cell Metaplasia and Th2 Inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 421-429.                          | 5.6  | 73        |
| 2100 | Functional analysis of human whole brain regions based on gene expression. , 2011, , .   |      | 2         |
| 2101 | Quantitative, high-resolution epigenetic profiling of CpG loci identifies associations with cord blood plasma homocysteine and birth weight in humans. <i>Epigenetics</i> , 2011, 6, 86-94.                                  | 2.7  | 123       |
| 2102 | Phosphatase and tensin homologue/protein kinase B pathway linked to motor neuron survival in human superoxide dismutase 1-related amyotrophic lateral sclerosis. <i>Brain</i> , 2011, 134, 506-517.                          | 7.6  | 71        |
| 2103 | Gene ontology analysis of the centrosome proteomes of <i>Drosophila</i> and human. <i>Communicative and Integrative Biology</i> , 2011, 4, 308-311.  | 1.4  | 7         |
| 2104 | Use of Chemical Genomics in Assessment of the UPR. <i>Methods in Enzymology</i> , 2011, 491, 327-341.  | 1.0  | 8         |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2105 | Crosstalk between c-Jun and TAp73 $\pm$ /p2 contributes to the apoptosis“survival balance. Nucleic Acids Research, 2011, 39, 6069-6085.  | 14.5 | 49        |
| 2106 | Highly accurate and high-resolution function prediction of RNA binding proteins by fold recognition and binding affinity prediction. RNA Biology, 2011, 8, 988-996.                                    | 3.1  | 53        |
| 2107 | Intestinal Injury and Endotoxemia in Children Undergoing Surgery for Congenital Heart Disease. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 1261-1269.                       | 5.6  | 53        |
| 2108 | Temporal blastemal cell gene expression analysis in the kidney reveals new Wnt and related signaling pathway genes to be essential for Wilms' tumor onset. Cell Death and Disease, 2011, 2, e224-e224. | 6.3  | 23        |
| 2109 | Comparison of phenotypic and transcriptomic effects of false-positive genotoxins, true genotoxins and non-genotoxins using HepG2 cells. Mutagenesis, 2011, 26, 593-604.                                | 2.6  | 46        |
| 2110 | Insertion Sites in Engrafted Cells Cluster Within a Limited Repertoire of Genomic Areas After Gammaretroviral Vector Gene Therapy. Molecular Therapy, 2011, 19, 2031-2039.                             | 8.2  | 48        |
| 2111 | Waves of early transcriptional activation and pluripotency program initiation during human preimplantation development. Development (Cambridge), 2011, 138, 3699-3709.                                 | 2.5  | 237       |
| 2112 | FoxO3A promotes metabolic adaptation to hypoxia by antagonizing Myc function. EMBO Journal, 2011, 30, 4554-4570.   | 7.8  | 103       |
| 2113 | Serum Response Factor Utilizes Distinct Promoter- and Enhancer-Based Mechanisms To Regulate Cytoskeletal Gene Expression in Macrophages. Molecular and Cellular Biology, 2011, 31, 861-875.            | 2.3  | 56        |
| 2114 | Skeletal Muscle Gene Expression Profile Is Modified by Dietary Protein Source and Calcium during Energy Restriction. Journal of Nutrigenetics and Nutrigenomics, 2011, 4, 49-62.                       | 1.3  | 7         |
| 2115 | Network-Like Impact of MicroRNAs on Neuronal Lineage Differentiation of Unrestricted Somatic Stem Cells from Human Cord Blood. Stem Cells and Development, 2011, 20, 1383-1394.                        | 2.1  | 20        |
| 2116 | Reprogramming of Mouse Fibroblasts to an Intermediate State of Differentiation by Chemical Induction. Cellular Reprogramming, 2011, 13, 121-131.   | 0.9  | 15        |
| 2117 | Interval Trees for Detection of Overlapping Genetic Entities. , 2011, , .  |      | 1         |
| 2118 | Experiment Specific Expression Patterns. Journal of Computational Biology, 2011, 18, 1423-1435.  | 1.6  | 0         |
| 2119 | Altered Gene Expression Profiles in the Brain, Kidney, and Lung of One-Month-Old Cloned Pigs. Cellular Reprogramming, 2011, 13, 215-223.   | 0.9  | 14        |
| 2120 | Mesenchymal Stromal Cells from Neonatal Tracheal Aspirates Demonstrate a Pattern of Lung-Specific Gene Expression. Stem Cells and Development, 2011, 20, 1995-2007.                                    | 2.1  | 45        |
| 2121 | The Reduced Form of Coenzyme Q <sub>10</sub> Decreases the Expression of Lipopolysaccharide-Sensitive Genes in Human THP-1 Cells. Journal of Medicinal Food, 2011, 14, 391-397.                        | 1.5  | 8         |
| 2122 | Complement Protein C1q-Mediated Neuroprotection Is Correlated with Regulation of Neuronal Gene and MicroRNA Expression. Journal of Neuroscience, 2011, 31, 3459-3469.                                  | 3.6  | 129       |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2123 | Induction of Mucin and MUC5AC Expression by the Protease Activity of <i>Aspergillus fumigatus</i> in Airway Epithelial Cells. <i>Journal of Immunology</i> , 2011, 187, 999-1005.  | 0.8  | 50        |
| 2124 | Phosphoinositide 3-Kinase (PI3K(p110 $\alpha$ )) Directly Regulates Key Components of the Z-disc and Cardiac Structure*. <i>Journal of Biological Chemistry</i> , 2011, 286, 30837-30846.                                    | 3.4  | 32        |
| 2125 | The Gut Mucosal Viral Reservoir in HIV-Infected Patients Is Not the Major Source of Rebound Plasma Viremia following Interruption of Highly Active Antiretroviral Therapy. <i>Journal of Virology</i> , 2011, 85, 4772-4782. | 3.4  | 70        |
| 2126 | microRNA-Seq reveals cocaine-regulated expression of striatal microRNAs. <i>Rna</i> , 2011, 17, 1529-1543.   | 3.5  | 113       |
| 2127 | Genomewide Analysis of Rat Barrel Cortex Reveals Time- and Layer-Specific mRNA Expression Changes Related to Experience-Dependent Plasticity. <i>Journal of Neuroscience</i> , 2011, 31, 6140-6158.                          | 3.6  | 40        |
| 2128 | Transcriptional Profiling of Diabetic Neuropathy in the BKS <i>db/db</i> Mouse. <i>Diabetes</i> , 2011, 60, 1981-1989.   | 0.6  | 107       |
| 2129 | seqMINER: an integrated ChIP-seq data interpretation platform. <i>Nucleic Acids Research</i> , 2011, 39, e35-e35.  | 14.5 | 377       |
| 2130 | Paraoxonase-2 Modulates Stress Response of Endothelial Cells to Oxidized Phospholipids and a Bacterial Quorum-Sensing Molecule. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2624-2633.             | 2.4  | 35        |
| 2131 | Mechanisms of Urokinase Plasminogen Activator (uPA)-mediated Atherosclerosis. <i>Journal of Biological Chemistry</i> , 2011, 286, 22665-22677.   | 3.4  | 51        |
| 2132 | SigReannot-mart: a query environment for expression microarray probe re-annotations. <i>Database: the Journal of Biological Databases and Curation</i> , 2011, 2011, bar025-bar025.  | 3.0  | 6         |
| 2133 | Maternal Undernourished Fetal Kidneys Exhibit Differential Regulation of Nephrogenic Genes Including Downregulation of the Notch Signaling Pathway. <i>Reproductive Sciences</i> , 2011, 18, 563-576.                        | 2.5  | 10        |
| 2134 | Deficiency of $\alpha$ -actinin-3 is associated with increased susceptibility to contraction-induced damage and skeletal muscle remodeling. <i>Human Molecular Genetics</i> , 2011, 20, 2914-2927.                           | 2.9  | 95        |
| 2135 | Conservation of Salmonella Infection Mechanisms in Plants and Animals. <i>PLoS ONE</i> , 2011, 6, e24112.  | 2.5  | 114       |
| 2136 | A Comprehensive Expression Profile of MicroRNAs in Porcine Pituitary. <i>PLoS ONE</i> , 2011, 6, e24883.   | 2.5  | 22        |
| 2137 | A Physical Interaction Network of Dengue Virus and Human Proteins. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.012187.   | 3.8  | 153       |
| 2138 | P-Selectin Glycoprotein Ligand-1 Deficiency Is Protective Against Obesity-Related Insulin Resistance. <i>Diabetes</i> , 2011, 60, 189-199.   | 0.6  | 33        |
| 2139 | Resection of Non-Small Cell Lung Cancers Reverses Tumor-Induced Gene Expression Changes in the Peripheral Immune System. <i>Clinical Cancer Research</i> , 2011, 17, 5867-5877.  | 7.0  | 47        |
| 2140 | A Drosophila model of the neurodegenerative disease SCA17 reveals a role of RBP-J/Su(H) in modulating the pathological outcome. <i>Human Molecular Genetics</i> , 2011, 20, 3424-3436.                                       | 2.9  | 33        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2141 | A CHOP-regulated microRNA controls rhodopsin expression. <i>Journal of Cell Biology</i> , 2011, 192, 919-927.  | 5.2  | 108       |
| 2142 | Transcriptional effect of the LH surge in bovine granulosa cells during the peri-ovulation period. <i>Reproduction</i> , 2011, 141, 193-205.   | 2.6  | 46        |
| 2143 | Genes and pathways affected by CAG-repeat RNA-based toxicity in <i>Drosophila</i> . <i>Human Molecular Genetics</i> , 2011, 20, 4810-4821.   | 2.9  | 52        |
| 2144 | ChIP-seq analysis reveals distinct H3K27me3 profiles that correlate with transcriptional activity. <i>Nucleic Acids Research</i> , 2011, 39, 7415-7427.  | 14.5 | 250       |
| 2145 | Therapeutics of Ebola Hemorrhagic Fever: Whole-Genome Transcriptional Analysis of Successful Disease Mitigation. <i>Journal of Infectious Diseases</i> , 2011, 204, S1043-S1052.   | 4.0  | 38        |
| 2146 | Mindbomb 1, an E3 ubiquitin ligase, forms a complex with RYK to activate Wnt/ $\beta$ -catenin signaling. <i>Journal of Cell Biology</i> , 2011, 194, 737-750.   | 5.2  | 90        |
| 2147 | Foxl1-Cre-marked adult hepatic progenitors have clonogenic and bilineage differentiation potential. <i>Genes and Development</i> , 2011, 25, 1185-1192.  | 5.9  | 138       |
| 2148 | A systems biology approach sheds new light on <i>Escherichia coli</i> acid resistance. <i>Nucleic Acids Research</i> , 2011, 39, 7512-7528.  | 14.5 | 86        |
| 2149 | JAG2 Induction in Hypoxic Tumor Cells Alters Notch Signaling and Enhances Endothelial Cell Tube Formation. <i>Molecular Cancer Research</i> , 2011, 9, 626-636.  | 3.4  | 56        |
| 2150 | Different gene expression profiles in metastasizing midgut carcinoid tumors. <i>Endocrine-Related Cancer</i> , 2011, 18, 479-489.  | 3.1  | 24        |
| 2151 | Redox Proteomics of Protein-bound Methionine Oxidation. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.006866.  | 3.8  | 117       |
| 2152 | Transcriptome transfer provides a model for understanding the phenotype of cardiomyocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11918-11923.  | 7.1  | 31        |
| 2153 | Time-resolved Quantitative Proteome Analysis of In Vivo Intestinal Development. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.005231.  | 3.8  | 25        |
| 2154 | Whole-Genome Analysis Reveals That Active Heat Shock Factor Binding Sites Are Mostly Associated with Non-Heat Shock Genes in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2011, 6, e15934.   | 2.5  | 78        |
| 2155 | Prospective isolation of a bipotential clonogenic liver progenitor cell in adult mice. <i>Genes and Development</i> , 2011, 25, 1193-1203.   | 5.9  | 209       |
| 2156 | Global Expression Analysis Identified a Preferentially Nerve Growth Factor-induced Transcriptional Program Regulated by Sustained Mitogen-activated Protein Kinase/Extracellular Signal-regulated Kinase (ERK) and AP-1 Protein Activation during PC12 Cell Differentiation*. <i>Journal of Biological Chemistry</i> , 2011, 286, 45131-45145. | 3.4  | 49        |
| 2157 | Systems Genetics: a Powerful Approach for Gene-Environment Interactions. <i>Journal of Nutrition</i> , 2011, 141, 515-519.   | 2.9  | 11        |
| 2158 | Basal Bioenergetic Abnormalities in Skeletal Muscle from Ryanodine Receptor Malignant Hyperthermia-susceptible R163C Knock-in Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 99-113.  | 3.4  | 41        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2159 | Targets of the Tumor Suppressor <i>miR-200</i> in Regulation of the Epithelialâ€“Mesenchymal Transition in Cancer. <i>Cancer Research</i> , 2011, 71, 7670-7682.  | 0.9  | 126       |
| 2160 | Nuclear and cytoplasmic localization of neural stem cell microRNAs. <i>Rna</i> , 2011, 17, 675-686.   | 3.5  | 105       |
| 2161 | Characterization of the Core Elements of the NF-Î³B Signaling Pathway of the Sea Anemone <i>Nematostella vectensis</i>. <i>Molecular and Cellular Biology</i> , 2011, 31, 1076-1087.                                | 2.3  | 56        |
| 2162 | GProX, a User-Friendly Platform for Bioinformatics Analysis and Visualization of Quantitative Proteomics Data. <i>Molecular and Cellular Proteomics</i> , 2011, 10, O110.007450.                                    | 3.8  | 150       |
| 2163 | Human Papillomavirus 16 E5 Modulates the Expression of Host MicroRNAs. <i>PLoS ONE</i> , 2011, 6, e21646.   | 2.5  | 82        |
| 2164 | An integrative functional genomics approach for discovering biomarkers in schizophrenia. <i>Briefings in Functional Genomics</i> , 2011, 10, 387-399.   | 2.7  | 19        |
| 2165 | Gene expression profile in mesenchymal stem cells derived from dental tissues and bone marrow. <i>Journal of Periodontal and Implant Science</i> , 2011, 41, 192.   | 2.0  | 46        |
| 2166 | MicroRNAs Regulate the Timing of Embryo Maturation in Arabidopsis. <i>Plant Physiology</i> , 2011, 155, 1871-1884.  | 4.8  | 147       |
| 2167 | Global map of physical interactions among differentially expressed genes in multiple sclerosis relapses and remissions. <i>Human Molecular Genetics</i> , 2011, 20, 3606-3619.                                      | 2.9  | 20        |
| 2168 | A Nuclear Variant of ErbB3 Receptor Tyrosine Kinase Regulates Ezrin Distribution and Schwann Cell Myelination. <i>Journal of Neuroscience</i> , 2011, 31, 5106-5119.  | 3.6  | 39        |
| 2169 | Review of Weighted Gene Coexpression Network Analysis. , 2011, , 369-388.   |      | 19        |
| 2170 | Wide-ranging functions of E2F4 in transcriptional activation and repression revealed by genome-wide analysis. <i>Nucleic Acids Research</i> , 2011, 39, 3558-3573.  | 14.5 | 132       |
| 2171 | An integrated transcriptomic and computational analysis for biomarker identification in gastric cancer. <i>Nucleic Acids Research</i> , 2011, 39, 1197-1207.  | 14.5 | 188       |
| 2172 | Transcriptomic data-mining approach for identifying potential pharmacogenetic candidates in antiepileptic drug response. <i>Indian Journal of Human Genetics</i> , 2011, 17, 58.                                    | 0.7  | 0         |
| 2173 | Suppression of Stra8 Expression in the Mouse Gonad by WIN 18,4461. <i>Biology of Reproduction</i> , 2011, 84, 957-965.  | 2.7  | 57        |
| 2174 | Patterns of Gene Expression in Drosophila InsP3 Receptor Mutant Larvae Reveal a Role for InsP3 Signaling in Carbohydrate and Energy Metabolism. <i>PLoS ONE</i> , 2011, 6, e24105.                                  | 2.5  | 5         |
| 2175 | Genome-wide RNA-seq analysis of human and mouse platelet transcriptomes. <i>Blood</i> , 2011, 118, e101-e111.   | 1.4  | 484       |
| 2176 | Prognostic Significance and Tumor Biology of Regional Lymph Node Disease in Patients With Rhabdomyosarcoma: A Report From the Children's Oncology Group. <i>Journal of Clinical Oncology</i> , 2011, 29, 1304-1311. | 1.6  | 102       |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2177 | Gene Expression following Exposure to Celecoxib in Humans: Pathways of Inflammation and Carcinogenesis Are Activated in Tumors but Not Normal Tissues. <i>Digestion</i> , 2011, 84, 169-184.  | 2.3 | 3         |
| 2178 | Gene Coexpression Network Topology of Cardiac Development, Hypertrophy, and Failure. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 26-35.  | 5.1 | 88        |
| 2179 | Transcription factor FOXL2 protects granulosa cells from stress and delays cell cycle: role of its regulation by the SIRT1 deacetylase. <i>Human Molecular Genetics</i> , 2011, 20, 1673-1686.  | 2.9 | 81        |
| 2180 | Phosphoproteomic Analysis of <i>Salmonella</i> -Infected Cells Identifies Key Kinase Regulators and SopB-Dependent Host Phosphorylation Events. <i>Science Signaling</i> , 2011, 4, rs9.  | 3.6 | 52        |
| 2181 | Proteomic and Functional Genomic Landscape of Receptor Tyrosine Kinase and Ras to Extracellular Signalâ€“Regulated Kinase Signaling. <i>Science Signaling</i> , 2011, 4, rs10.  | 3.6 | 87        |
| 2182 | Conjunctival Transcriptome in Scarring Trachoma. <i>Infection and Immunity</i> , 2011, 79, 499-511.   | 2.2 | 59        |
| 2183 | Genomic Analysis Reveals Pre- and Postchallenge Differences in a Rhesus Macaque AIDS Vaccine Trial: Insights into Mechanisms of Vaccine Efficacy. <i>Journal of Virology</i> , 2011, 85, 1099-1116.   | 3.4 | 24        |
| 2184 | Sequentially acting Sox transcription factors in neural lineage development. <i>Genes and Development</i> , 2011, 25, 2453-2464.  | 5.9 | 263       |
| 2185 | Mining the Bioinformation of Differentially Expressed Genes in Lung Treated with the Hypoxia Based on the Bioinformatics Methods. , 2011, , .   |     | 0         |
| 2186 | Circadian cycles are the dominant transcriptional rhythm in the intertidal mussel <i>Mytilus californianus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16110-16115.                       | 7.1 | 127       |
| 2187 | Endothelial Jarid2/Jumonji Is Required for Normal Cardiac Development and Proper Notch1 Expression. <i>Journal of Biological Chemistry</i> , 2011, 286, 17193-17204.  | 3.4 | 73        |
| 2188 | Genome-wide Analysis of Transcription Factor E2F1 Mutant Proteins Reveals That N- and C-terminal Protein Interaction Domains Do Not Participate in Targeting E2F1 to the Human Genome. <i>Journal of Biological Chemistry</i> , 2011, 286, 11985-11996. | 3.4 | 45        |
| 2189 | The BTB and CNC Homology 1 (BACH1) Target Genes Are Involved in the Oxidative Stress Response and in Control of the Cell Cycle. <i>Journal of Biological Chemistry</i> , 2011, 286, 23521-23532.  | 3.4 | 136       |
| 2190 | Glycosaminoglycans and Glucose Prevent Apoptosis in 4-Methylumbelliferone-treated Human Aortic Smooth Muscle Cells*. <i>Journal of Biological Chemistry</i> , 2011, 286, 34497-34503.   | 3.4 | 42        |
| 2191 | HLA-DR-presented Peptide Repertoires Derived From Human Monocyte-derived Dendritic Cells Pulsed With Blood Coagulation Factor VIII. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.002246.   | 3.8 | 71        |
| 2192 | Bacterial genotoxin triggers FEN1-dependent RhoA activation, cytoskeleton remodeling and cell survival. <i>Journal of Cell Science</i> , 2011, 124, 2735-2742.  | 2.0 | 35        |
| 2193 | Predominant Gain of Promoter TATA Box after Gene Duplication Associated with Stress Responses. <i>Molecular Biology and Evolution</i> , 2011, 28, 2893-2904.  | 8.9 | 21        |
| 2194 | Functional MicroRNA Involved in Endometriosis. <i>Molecular Endocrinology</i> , 2011, 25, 821-832.  | 3.7 | 220       |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2195 | Diagnosis of Prostate Cancer Using Differentially Expressed Genes in Stroma. <i>Cancer Research</i> , 2011, 71, 2476-2487.  | 0.9 | 84        |
| 2196 | Acquisition of Host-Derived CD40L by HIV-1 <i>In Vivo</i> and Its Functional Consequences in the B-Cell Compartment. <i>Journal of Virology</i> , 2011, 85, 2189-2200.  | 3.4 | 46        |
| 2197 | Dynamic Changes in the MicroRNA Expression Profile Reveal Multiple Regulatory Mechanisms in the Spinal Nerve Ligation Model of Neuropathic Pain. <i>PLoS ONE</i> , 2011, 6, e17670.   | 2.5 | 123       |
| 2198 | Shifting the Fermentative/Oxidative Balance in <i>Saccharomyces cerevisiae</i> by Transcriptional Deregulation of Snf1 via Overexpression of the Upstream Activating Kinase Sak1p. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1981-1989. | 3.1 | 18        |
| 2199 | Whole Transcriptome Sequencing Reveals Gene Expression and Splicing Differences in Brain Regions Affected by Alzheimer's Disease. <i>PLoS ONE</i> , 2011, 6, e16266.  | 2.5 | 266       |
| 2200 | Chromatin remodeling as a mechanism for circadian prolactin transcription: rhythmic NONO and SFPQ recruitment to HLF. <i>FASEB Journal</i> , 2011, 25, 2740-2756.   | 0.5 | 36        |
| 2201 | Identification and gene expression profiling of tumor-initiating cells isolated from human osteosarcoma cell lines in an orthotopic mouse model. <i>Cancer Biology and Therapy</i> , 2011, 12, 278-287.   | 3.4 | 35        |
| 2202 | Gene expression profiling of the androgen independent prostate cancer cells demonstrates complex mechanisms mediating resistance to docetaxel. <i>Cancer Biology and Therapy</i> , 2011, 11, 204-212.   | 3.4 | 27        |
| 2203 | Overlapping and distinct pRb pathways in the mammalian auditory and vestibular organs. <i>Cell Cycle</i> , 2011, 10, 337-351.   | 2.6 | 29        |
| 2204 | Genome-wide DNA methylation patterns in CD4+ T cells from patients with systemic lupus erythematosus. <i>Epigenetics</i> , 2011, 6, 593-601.  | 2.7 | 224       |
| 2205 | Protein-network modeling of prostate cancer gene signatures reveals essential pathways in disease recurrence. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2011, 18, 392-402.  | 4.4 | 27        |
| 2206 | Diabetes causes multiple genetic alterations and downregulates expression of DNA repair genes in the prostate. <i>Laboratory Investigation</i> , 2011, 91, 1363-1374.   | 3.7 | 18        |
| 2207 | Organelles Contribute Differentially to Reactive Oxygen Species-Related Events during Extended Darkness. <i>Plant Physiology</i> , 2011, 156, 185-201.  | 4.8 | 102       |
| 2208 | Conserved and Divergent Rhythms of Crassulacean Acid Metabolism-Related and Core Clock Gene Expression in the Cactus <i>Opuntia ficus-indica</i> . <i>Plant Physiology</i> , 2011, 156, 1978-1989.  | 4.8 | 53        |
| 2209 | Specific and Shared Targets of Ephrin A Signaling in Epidermal Keratinocytes. <i>Journal of Biological Chemistry</i> , 2011, 286, 9419-9428.  | 3.4 | 37        |
| 2210 | A Multiprotein Binding Interface in an Intrinsically Disordered Region of the Tumor Suppressor Protein Interferon Regulatory Factor-1. <i>Journal of Biological Chemistry</i> , 2011, 286, 14291-14303.   | 3.4 | 26        |
| 2211 | Endothelin-1 Increases Collagen Accumulation in Renal Mesangial Cells by Stimulating a Chemokine and Cytokine Autocrine Signaling Loop. <i>Journal of Biological Chemistry</i> , 2011, 286, 11003-11008.  | 3.4 | 59        |
| 2212 | Genomic Analysis Reveals a Novel Nuclear Factor- $\kappa$ B (NF- $\kappa$ B)-binding Site in Alu-repetitive Elements. <i>Journal of Biological Chemistry</i> , 2011, 286, 38768-38782.  | 3.4 | 55        |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2213 | Combined transcriptome analysis of fetal human and mouse cerebral cortex exposed to alcohol. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4212-4217.  | 7.1  | 66        |
| 2214 | Cardiac pressure overload hypertrophy is differentially regulated by $\beta^2$ -adrenergic receptor subtypes. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1461-H1470.                                       | 3.2  | 32        |
| 2215 | piRNA profiling during specific stages of mouse spermatogenesis. Rna, 2011, 17, 1191-1203.   | 3.5  | 94        |
| 2216 | TLR 2 and CD14 Mediate Innate Immunity and Lung Inflammation to Staphylococcal Pantone "Valentine Leukocidin In Vivo. Journal of Immunology, 2011, 186, 1608-1617.   | 0.8  | 68        |
| 2217 | Modulation of chromatin position and gene expression by HDAC4 interaction with nucleoporins. Journal of Cell Biology, 2011, 193, 21-29.  | 5.2  | 83        |
| 2218 | Identification and Expression of Potential Regulators of the Mammalian Mitotic-to-Meiotic Transition1. Biology of Reproduction, 2011, 84, 34-42.   | 2.7  | 38        |
| 2219 | Genetic and expression analysis of cattle identifies candidate genes in pathways responding to <i>Trypanosoma congolense</i> infection. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9304-9309. | 7.1  | 92        |
| 2220 | Functional Analysis of KAP1 Genomic Recruitment. Molecular and Cellular Biology, 2011, 31, 1833-1847.  | 2.3  | 99        |
| 2221 | mRNA and microRNA Expression Profiles in Circulating Tumor Cells and Primary Tumors of Metastatic Breast Cancer Patients. Clinical Cancer Research, 2011, 17, 3600-3618.   | 7.0  | 207       |
| 2222 | The Virulence of 1997 H5N1 Influenza Viruses in the Mouse Model Is Increased by Correcting a Defect in Their NS1 Proteins. Journal of Virology, 2011, 85, 7048-7058.   | 3.4  | 71        |
| 2223 | NOA: a novel Network Ontology Analysis method. Nucleic Acids Research, 2011, 39, e87-e87.  | 14.5 | 101       |
| 2224 | Medusa structure of the gene regulatory network: dominance of transcription factors in cancer subtype classification. Experimental Biology and Medicine, 2011, 236, 628-636.   | 2.4  | 20        |
| 2225 | MAP Kinase-Interacting Kinase 1 Regulates SMAD2-Dependent TGF- $\beta^2$ Signaling Pathway in Human Glioblastoma. Cancer Research, 2011, 71, 2392-2402.  | 0.9  | 135       |
| 2226 | Fibroblast growth factor 9 delivery during angiogenesis produces durable, vasoresponsive microvessels wrapped by smooth muscle cells. Nature Biotechnology, 2011, 29, 421-427.   | 17.5 | 107       |
| 2227 | CD140a identifies a population of highly myelinogenic, migration-competent and efficiently engrafting human oligodendrocyte progenitor cells. Nature Biotechnology, 2011, 29, 934-941.   | 17.5 | 185       |
| 2228 | Genetic regulation of Nrx1 expression: an integrative cross-species analysis of schizophrenia candidate genes. Translational Psychiatry, 2011, 1, e25-e25.   | 4.8  | 26        |
| 2229 | Resolution of infection promotes a state of dormancy and long survival of CD4 memory T cells. Immunology and Cell Biology, 2011, 89, 870-881.  | 2.3  | 22        |
| 2230 | Functional Homogeneity in microRNA Target Heterogeneity "a New Sight into Human microRNomics. OMICS A Journal of Integrative Biology, 2011, 15, 25-35.   | 2.0  | 10        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2231 | An integrative clustering and modeling algorithm for dynamical gene expression data. <i>Bioinformatics</i> , 2011, 27, i392-i400.   | 4.1 | 26        |
| 2232 | Wide-ranging DNA methylation differences of primary trophoblast cell populations and derived cell lines: implications and opportunities for understanding trophoblast function. <i>Molecular Human Reproduction</i> , 2011, 17, 344-353.                        | 2.8 | 76        |
| 2233 | The Evolutionarily Conserved Longevity Determinants HCF-1 and SIR-2.1/SIRT1 Collaborate to Regulate DAF-16/FOXO. <i>PLoS Genetics</i> , 2011, 7, e1002235.  | 3.5 | 106       |
| 2234 | Discovering Transcription Factor Binding Sites in Highly Repetitive Regions of Genomes with Multi-Read Analysis of ChIP-Seq Data. <i>PLoS Computational Biology</i> , 2011, 7, e1002111.  | 3.2 | 73        |
| 2235 | Towards a System Level Understanding of Non-Model Organisms Sampled from the Environment: A Network Biology Approach. <i>PLoS Computational Biology</i> , 2011, 7, e1002126.  | 3.2 | 83        |
| 2236 | Identifying Causal Genes and Dysregulated Pathways in Complex Diseases. <i>PLoS Computational Biology</i> , 2011, 7, e1001095.  | 3.2 | 163       |
| 2237 | Nuclear Accumulation of Stress Response mRNAs Contributes to the Neurodegeneration Caused by Fragile X Premutation rCGG Repeats. <i>PLoS Genetics</i> , 2011, 7, e1002102.  | 3.5 | 56        |
| 2238 | Alterations in the <i>Aedes aegypti</i> Transcriptome during Infection with West Nile, Dengue and Yellow Fever Viruses. <i>PLoS Pathogens</i> , 2011, 7, e1002189.  | 4.7 | 180       |
| 2239 | Biologicals and Fetal Cell Therapy for Wound and Scar Management. <i>ISRN Dermatology</i> , 2011, 2011, 1-16.   | 1.9 | 21        |
| 2240 | A Systems Biology Approach Identifies Molecular Networks Defining Skeletal Muscle Abnormalities in Chronic Obstructive Pulmonary Disease. <i>PLoS Computational Biology</i> , 2011, 7, e1002129.  | 3.2 | 66        |
| 2241 | Interferon Regulatory Factor 8 Regulates Pathways for Antigen Presentation in Myeloid Cells and during Tuberculosis. <i>PLoS Genetics</i> , 2011, 7, e1002097.  | 3.5 | 85        |
| 2242 | Genome-Wide Analysis Reveals PADI4 Cooperates with Elk-1 to Activate c-Fos Expression in Breast Cancer Cells. <i>PLoS Genetics</i> , 2011, 7, e1002112.   | 3.5 | 107       |
| 2243 | Interactions between Glucocorticoid Treatment and Cis-Regulatory Polymorphisms Contribute to Cellular Response Phenotypes. <i>PLoS Genetics</i> , 2011, 7, e1002162.  | 3.5 | 103       |
| 2244 | Over-Expression of DSCAM and COL6A2 Cooperatively Generates Congenital Heart Defects. <i>PLoS Genetics</i> , 2011, 7, e1002344.   | 3.5 | 79        |
| 2245 | <i>Candida albicans</i> Infection of <i>Caenorhabditis elegans</i> Induces Antifungal Immune Defenses. <i>PLoS Pathogens</i> , 2011, 7, e1002074.   | 4.7 | 131       |
| 2246 | Short-Time Gene Expression Response to Valproic Acid and Valproic Acid Analogs in Mouse Embryonic Stem Cells. <i>Toxicological Sciences</i> , 2011, 121, 328-342.   | 3.1 | 45        |
| 2247 | Dynamic molecular and histopathological changes in the extracellular matrix and inflammation in the transition to heart failure in isolated volume overload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H2251-H2260. | 3.2 | 64        |
| 2248 | The Epithelial-Mesenchymal Transition Mediator S100A4 Maintains Cancer-Initiating Cells in Head and Neck Cancers. <i>Cancer Research</i> , 2011, 71, 1912-1923.   | 0.9 | 123       |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2249 | Prolyl Endopeptidase Is Involved in Cellular Signalling in Human Neuroblastoma SH-SY5Y Cells. <i>NeuroSignals</i> , 2011, 19, 97-109.   | 0.9 | 25        |
| 2250 | RNA-Seq analysis in MeV. <i>Bioinformatics</i> , 2011, 27, 3209-3210.   | 4.1 | 461       |
| 2251 | <i>GO-Module</i> : functional synthesis and improved interpretation of Gene Ontology patterns. <i>Bioinformatics</i> , 2011, 27, 1444-1446.   | 4.1 | 97        |
| 2252 | Early Patterns of Gene Expression Correlate With the Humoral Immune Response to Influenza Vaccination in Humans. <i>Journal of Infectious Diseases</i> , 2011, 203, 921-929.                  | 4.0 | 208       |
| 2253 | Adipose tissue transcriptome changes during obesity development in female dogs. <i>Physiological Genomics</i> , 2011, 43, 295-307.  | 2.3 | 50        |
| 2254 | Fenfluramine-Induced Gene Dysregulation in Human Pulmonary Artery Smooth Muscle and Endothelial Cells. <i>Pulmonary Circulation</i> , 2011, 1, 405-418.                                       | 1.7 | 7         |
| 2255 | Use of transcriptional signatures induced in lymphoid and myeloid cell lines as an inflammatory biomarker in Type 1 diabetes. <i>Physiological Genomics</i> , 2011, 43, 697-709.              | 2.3 | 11        |
| 2256 | Reciprocal Transcriptional Regulation of Metabolic and Signaling Pathways Correlates With Disease Severity in Heart Failure. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 475-483.  | 5.1 | 57        |
| 2257 | Effective Treatment of Psoriasis with Narrow-Band UVB Phototherapy Is Linked to Suppression of the IFN and Th17 Pathways. <i>Journal of Investigative Dermatology</i> , 2011, 131, 1547-1558. | 0.7 | 129       |
| 2258 | Gene Expression Profiling in Human High-Grade Astrocytomas. <i>Comparative and Functional Genomics</i> , 2011, 2011, 1-10.  | 2.0 | 25        |
| 2259 | Nerve Growth Factor Partially Recovers Inflamed Skin from Stress-Induced Worsening in Allergic Inflammation. <i>Journal of Investigative Dermatology</i> , 2011, 131, 735-743.                | 0.7 | 47        |
| 2260 | In silico Analysis of Combinatorial microRNA Activity Reveals Target Genes and Pathways Associated with Breast Cancer Metastasis. <i>Cancer Informatics</i> , 2011, 10, CIN.S6631.            | 1.9 | 16        |
| 2261 | Gene Coexpression Network Alignment and Conservation of Gene Modules between Two Grass Species: Maize and Rice. <i>Plant Physiology</i> , 2011, 156, 1244-1256.                               | 4.8 | 141       |
| 2262 | High expression of BMP pathway genes distinguishes a subset of atypical teratoid/rhabdoid tumors associated with shorter survival. <i>Neuro-Oncology</i> , 2011, 13, 1296-1307.               | 1.2 | 52        |
| 2263 | Genetic Factors Underlying the Risk of Thalidomide-Related Neuropathy in Patients With Multiple Myeloma. <i>Journal of Clinical Oncology</i> , 2011, 29, 797-804.                             | 1.6 | 95        |
| 2264 | Temporal Coordination of Gene Networks by Zelda in the Early Drosophila Embryo. <i>PLoS Genetics</i> , 2011, 7, e1002339.   | 3.5 | 222       |
| 2265 | A single nucleotide polymorphism-derived regulatory gene network underlying puberty in 2 tropical breeds of beef cattle. <i>Journal of Animal Science</i> , 2011, 89, 1669-1683.              | 0.5 | 90        |
| 2266 | Distinct protein degradation profiles are induced by different disuse models of skeletal muscle atrophy. <i>Physiological Genomics</i> , 2011, 43, 1075-1086.                                 | 2.3 | 57        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2267 | Retinoic acid inhibits endometrial cancer cell growth via multiple genomic mechanisms. <i>Journal of Molecular Endocrinology</i> , 2011, 46, 139-153.   | 2.5 | 34        |
| 2268 | Degenerate T-cell Recognition of Peptides on MHC Molecules Creates Large Holes in the T-cell Repertoire. <i>PLoS Computational Biology</i> , 2012, 8, e1002412.   | 3.2 | 73        |
| 2269 | Exon Level Transcriptomic Profiling of HIV-1-Infected CD4+ T Cells Reveals Virus-Induced Genes and Host Environment Favorable for Viral Replication. <i>PLoS Pathogens</i> , 2012, 8, e1002861.   | 4.7 | 46        |
| 2270 | ELK1 Uses Different DNA Binding Modes to Regulate Functionally Distinct Classes of Target Genes. <i>PLoS Genetics</i> , 2012, 8, e1002694.  | 3.5 | 66        |
| 2271 | Rapid Turnover of Long Noncoding RNAs and the Evolution of Gene Expression. <i>PLoS Genetics</i> , 2012, 8, e1002841.   | 3.5 | 284       |
| 2272 | The renal transcriptome of <i>db/db</i> mice identifies putative urinary biomarker proteins in patients with type 2 diabetes: a pilot study. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, F820-F829.   | 2.7 | 33        |
| 2273 | Transcriptomic Analysis of Neurulation and Early Organogenesis in Rat Embryos: An In Vivo and Ex Vivo Comparison. <i>Toxicological Sciences</i> , 2012, 126, 255-266.   | 3.1 | 18        |
| 2274 | A Comparison of Gene Expression Responses in Rat Whole Embryo Culture and In Vivo: Time-Dependent Retinoic Acid-Induced Teratogenic Response. <i>Toxicological Sciences</i> , 2012, 126, 242-254.   | 3.1 | 34        |
| 2275 | Comparative Proteome Analysis of Human Lung Squamous Carcinoma using Two Different Methods: Two-Dimensional Gel Electrophoresis and iTRAQ Analysis. <i>Technology in Cancer Research and Treatment</i> , 2012, 11, 395-408.   | 1.9 | 10        |
| 2276 | Tools for managing and analyzing microarray data. <i>Briefings in Bioinformatics</i> , 2012, 13, 46-60.   | 6.5 | 28        |
| 2277 | Quantifying the white blood cell transcriptome as an accessible window to the multiorgan transcriptome. <i>Bioinformatics</i> , 2012, 28, 538-545.  | 4.1 | 52        |
| 2278 | Neuroendocrine Mechanisms of Acupuncture. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-2.   | 1.2 | 9         |
| 2279 | An Unbiased Assessment of the Role of Imprinted Genes in an Intergenerational Model of Developmental Programming. <i>PLoS Genetics</i> , 2012, 8, e1002605.   | 3.5 | 105       |
| 2280 | Time-course network analysis reveals TNF- $\alpha$ can promote G1/S transition of cell cycle in vascular endothelial cells. <i>Bioinformatics</i> , 2012, 28, 1-4.  | 4.1 | 39        |
| 2281 | Large-scale phosphotyrosine proteomic profiling of rat renal collecting duct epithelium reveals predominance of proteins involved in cell polarity determination. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 302, C27-C45.                       | 4.6 | 11        |
| 2282 | Enhancing the Prioritization of Disease-Causing Genes through Tissue Specific Protein Interaction Networks. <i>PLoS Computational Biology</i> , 2012, 8, e1002690.  | 3.2 | 145       |
| 2283 | PHYSIOLOGY AND ENDOCRINOLOGY SYMPOSIUM: How single nucleotide polymorphism chips will advance our knowledge of factors controlling puberty and aid in selecting replacement beef females <sup>1,2,3,4</sup> . <i>Journal of Animal Science</i> , 2012, 90, 1152-1165. | 0.5 | 43        |
| 2284 | An Integrated Regulatory Network Reveals Pervasive Cross-Regulation among Transcription and Splicing Factors. <i>PLoS Computational Biology</i> , 2012, 8, e1002603.  | 3.2 | 14        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2285 | MOfinder: A Novel Algorithm for Detecting Overlapping Modules from Protein-Protein Interaction Network. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-10.  | 3.0  | 7         |
| 2286 | Overactivation of Hedgehog Signaling Alters Development of the Ovarian Vasculature in Mice <sup>1</sup> . <i>Biology of Reproduction</i> , 2012, 86, 174.  | 2.7  | 34        |
| 2287 | The Cortical and Striatal Gene Expression Profile of 100â€‰Hz Electroacupuncture Treatment in 6-Hydroxydopamine-Induced Parkinson's Disease Model. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-14.                                  | 1.2  | 17        |
| 2288 | The human phosphotyrosine signaling network: Evolution and hotspots of hijacking in cancer. <i>Genome Research</i> , 2012, 22, 1222-1230.  | 5.5  | 72        |
| 2289 | DNA Methylation and Gene Expression Changes in Monozygotic Twins Discordant for Psoriasis: Identification of Epigenetically Dysregulated Genes. <i>PLoS Genetics</i> , 2012, 8, e1002454.  | 3.5  | 145       |
| 2290 | Interleukin-1 $\beta$ modulates smooth muscle cell phenotype to a distinct inflammatory state relative to PDGF-DD via NF- $\kappa$ B-dependent mechanisms. <i>Physiological Genomics</i> , 2012, 44, 417-429.  | 2.3  | 106       |
| 2291 | Transcriptomic Characterization of Temperature Stress Responses in Larval Zebrafish. <i>PLoS ONE</i> , 2012, 7, e37209.  | 2.5  | 171       |
| 2292 | A genome-wide analysis of open chromatin in human tracheal epithelial cells reveals novel candidate regulatory elements for lung function. <i>Thorax</i> , 2012, 67, 385-391.  | 5.6  | 20        |
| 2293 | Telmisartan improves kidney function through inhibition of the oxidative phosphorylation pathway in diabetic rats. <i>Journal of Molecular Endocrinology</i> , 2012, 49, 35-46.  | 2.5  | 20        |
| 2294 | A promoter DNA demethylation landscape of human hematopoietic differentiation. <i>Nucleic Acids Research</i> , 2012, 40, 116-131.  | 14.5 | 97        |
| 2295 | Genome<i>Runner</i>: automating genome exploration. <i>Bioinformatics</i> , 2012, 28, 419-420.   | 4.1  | 41        |
| 2296 | DNA Microarray Analysis and Functional Profile of Pituitary Transcriptome Under Core-Clock Protein BMAL1 Control. <i>Chronobiology International</i> , 2012, 29, 103-130.  | 2.0  | 16        |
| 2297 | Discovering the hidden sub-network component in a ranked list of genes or proteins derived from genomic experiments. <i>Nucleic Acids Research</i> , 2012, 40, e158-e158.  | 14.5 | 22        |
| 2298 | A microRNA network regulates expression and biosynthesis of wild-type and $\Delta$ F508 mutant cystic fibrosis transmembrane conductance regulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13362-13367. | 7.1  | 111       |
| 2299 | Abnormal p38 $\beta$ mitogen-activated protein kinase signaling in dilated cardiomyopathy caused by lamin A/C gene mutation. <i>Human Molecular Genetics</i> , 2012, 21, 4325-4333.  | 2.9  | 114       |
| 2300 | Shifting of Immune Responsiveness to House Dust Mite by Influenza A Infection: Genomic Insights. <i>Journal of Immunology</i> , 2012, 188, 832-843.  | 0.8  | 17        |
| 2301 | A Quantitative Spatial Proteomics Analysis of Proteome Turnover in Human Cells. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.011429.  | 3.8  | 332       |
| 2302 | Alpha 1-antitrypsin reduces inflammation and enhances mouse pancreatic islet transplant survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15443-15448.   | 7.1  | 56        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2303 | IDENTIFICATION OF SHORTENED 3' UNTRANSLATED REGIONS FROM EXPRESSION ARRAYS. Journal of Bioinformatics and Computational Biology, 2012, 10, 1241001.  | 0.8  | 3         |
| 2304 | Gene-Expression Changes Caused by Inbreeding Protect Against Inbreeding Depression in <i>Drosophila</i> . Genetics, 2012, 192, 161-172.  | 2.9  | 18        |
| 2305 | Comparison of the Effects of Early Pregnancy with Human Interferon, Alpha 2 (IFNA2), on Gene Expression in Bovine Endometrium. Biology of Reproduction, 2012, 86, 46.                              | 2.7  | 86        |
| 2306 | Convergent Molecular Evolution of Genomic Cores in <i>Salmonella enterica</i> and <i>Escherichia coli</i> . Journal of Bacteriology, 2012, 194, 5002-5011.   | 2.2  | 40        |
| 2307 | Differences in the early response of hatchlings of different chicken breeding lines to <i>Salmonella enterica</i> serovar Enteritidis infection. Poultry Science, 2012, 91, 346-353.               | 3.4  | 21        |
| 2308 | Cholesterol Accumulation Regulates Expression of Macrophage Proteins Implicated in Proteolysis and Complement Activation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2910-2918. | 2.4  | 14        |
| 2309 | Transcriptome analysis reveals specific changes in osteoarthritis synovial fibroblasts. Annals of the Rheumatic Diseases, 2012, 71, 275-280.   | 0.9  | 36        |
| 2310 | GeneWeaver: a web-based system for integrative functional genomics. Nucleic Acids Research, 2012, 40, D1067-D1076.   | 14.5 | 112       |
| 2311 | Identification of Candidate Biomarkers for Early Detection of Human Lung Squamous Cell Cancer by Quantitative Proteomics. Molecular and Cellular Proteomics, 2012, 11, M111.013946.                | 3.8  | 67        |
| 2312 | Protein Kinase C (PKC) $\delta$ -mediated G $\alpha_q$ Stimulation of ERK5 Protein Pathway in Cardiomyocytes and Cardiac Fibroblasts. Journal of Biological Chemistry, 2012, 287, 7792-7802.       | 3.4  | 27        |
| 2313 | The Effect of Long Term Calorie Restriction on in Vivo Hepatic Proteostasis: A Novel Combination of Dynamic and Quantitative Proteomics. Molecular and Cellular Proteomics, 2012, 11, 1801-1814.   | 3.8  | 65        |
| 2314 | FoxO6 regulates memory consolidation and synaptic function. Genes and Development, 2012, 26, 2780-2801.  | 5.9  | 116       |
| 2315 | Gene Expression Analysis of the Embryonic Subplate. Cerebral Cortex, 2012, 22, 1343-1359.  | 2.9  | 83        |
| 2316 | Silencing of enzymes involved in ceramide biosynthesis causes distinct global alterations of lipid homeostasis and gene expression. Journal of Lipid Research, 2012, 53, 1459-1471.                | 4.2  | 28        |
| 2317 | Adipose Genes Down-Regulated During Experimental Endotoxemia Are Also Suppressed in Obesity. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E2152-E2159.                              | 3.6  | 12        |
| 2318 | Nonpathogenic <i>Lactobacillus rhamnosus</i> activates the inflammasome and antiviral responses in human macrophages. Gut Microbes, 2012, 3, 510-522.  | 9.8  | 49        |
| 2319 | Autotaxin and Its Product Lysophosphatidic Acid Suppress Brown Adipose Differentiation and Promote Diet-Induced Obesity in Mice. Molecular Endocrinology, 2012, 26, 786-797.                       | 3.7  | 59        |
| 2320 | CTGR-Span: Efficient mining of cross-timepoint gene regulation sequential patterns from microarray datasets. , 2012, , .   |      | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2321 | Overexpression of <i>S100B</i> , <i>TM4SF4</i> , and <i>OLFM4</i> Genes Is Correlated with Liver Metastasis in Taiwanese Colorectal Cancer Patients. <i>DNA and Cell Biology</i> , 2012, 31, 43-49.   | 1.9 | 45        |
| 2322 | Global transcriptional profiling reveals similarities and differences between human stem cell-derived cardiomyocyte clusters and heart tissue. <i>Physiological Genomics</i> , 2012, 44, 245-258.   | 2.3 | 65        |
| 2323 | DAVID-WS: a stateful web service to facilitate gene/protein list analysis. <i>Bioinformatics</i> , 2012, 28, 1805-1806.   | 4.1 | 955       |
| 2324 | Genome-wide mapping of Myc binding and gene regulation in serum-stimulated fibroblasts. <i>Oncogene</i> , 2012, 31, 1695-1709.  | 5.9 | 90        |
| 2325 | Overexpressing the CCL2 chemokine in an epithelial ovarian cancer cell line results in latency of in vivo tumourigenicity. <i>Oncogenesis</i> , 2012, 1, e27-e27.   | 4.9 | 13        |
| 2326 | Genetic mapping of habitual substance use, obesity-related traits, responses to mental and physical stress, and heart rate and blood pressure measurements reveals shared genes that are overrepresented in the neural synapse. <i>Hypertension Research</i> , 2012, 35, 585-591. | 2.7 | 37        |
| 2327 | Gene Expression Profile Changes After Short-activating RNA-mediated Induction of Endogenous Pluripotency Factors in Human Mesenchymal Stem Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2012, 1, e35.  | 5.1 | 28        |
| 2328 | Gene expression profiling of placentae from women with early- and late-onset pre-eclampsia: down-regulation of the angiogenesis-related genes ACVRL1 and EGFL7 in early-onset disease. <i>Molecular Human Reproduction</i> , 2012, 18, 146-155.                                   | 2.8 | 63        |
| 2329 | Differential Gene Expression Responses Distinguish Contact and Respiratory Sensitizers and Nonsensitizing Irritants in the Local Lymph Node Assay. <i>Toxicological Sciences</i> , 2012, 126, 413-425.  | 3.1 | 24        |
| 2330 | Myc, Aurora Kinase A, and mutant p53R172H co-operate in a mouse model of metastatic skin carcinoma. <i>Oncogene</i> , 2012, 31, 2680-2690.  | 5.9 | 27        |
| 2331 | Gene expression profiling in glomeruli of diabetic nephropathy rat. <i>Experimental Biology and Medicine</i> , 2012, 237, 903-911.  | 2.4 | 13        |
| 2332 | Association between SNPs and gene expression in multiple regions of the human brain. <i>Translational Psychiatry</i> , 2012, 2, e113-e113.  | 4.8 | 40        |
| 2333 | Identifying Grade/Stage-Related Active Modules in Human Co-regulatory Networks: A Case Study for Breast Cancer. <i>OMICS A Journal of Integrative Biology</i> , 2012, 16, 681-689.  | 2.0 | 1         |
| 2334 | Advanced Bone Formation in Mice with a Dominant-negative Mutation in the Thyroid Hormone Receptor $\beta$ Gene due to Activation of Wnt/ $\beta$ -Catenin Protein Signaling. <i>Journal of Biological Chemistry</i> , 2012, 287, 17812-17822.                                     | 3.4 | 37        |
| 2335 | Comprehensive Gene Expression Profiling in the Prefrontal Cortex Links Immune Activation and Neutrophil Infiltration to Antinociception. <i>Journal of Neuroscience</i> , 2012, 32, 35-45.  | 3.6 | 35        |
| 2336 | Human Adipose Tissue Macrophages Display Activation of Cancer-related Pathways. <i>Journal of Biological Chemistry</i> , 2012, 287, 21904-21913.  | 3.4 | 60        |
| 2337 | Differential Ly-6C expression identifies the recruited macrophage phenotype, which orchestrates the regression of murine liver fibrosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3186-95.                            | 7.1 | 793       |
| 2338 | The genomic response to courtship song stimulation in female <i>Drosophila melanogaster</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1359-1365.  | 2.6 | 50        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2339 | Oncogenic Kras Expression in Postmitotic Neurons Leads to S100A8-S100A9 Protein Overexpression and Gliosis. <i>Journal of Biological Chemistry</i> , 2012, 287, 22948-22958.   | 3.4 | 14        |
| 2340 | RBF Binding to both Canonical E2F Targets and Noncanonical Targets Depends on Functional dE2F/dDP Complexes. <i>Molecular and Cellular Biology</i> , 2012, 32, 4375-4387.  | 2.3 | 60        |
| 2341 | Widespread Polymorphism in the Positions of Stop Codons in <i>Drosophila melanogaster</i> . <i>Genome Biology and Evolution</i> , 2012, 4, 533-549.  | 2.5 | 25        |
| 2342 | Exploration of Global Gene Expression Changes During the Estrous Cycle in Equine Endometrium1. <i>Biology of Reproduction</i> , 2012, 87, 136.   | 2.7 | 33        |
| 2343 | Increased Immune Gene Expression and Immune Cell Infiltration in High-Grade Astrocytoma Distinguish Long-Term from Short-Term Survivors. <i>Journal of Immunology</i> , 2012, 189, 1920-1927.  | 0.8 | 62        |
| 2344 | H3K4 demethylation by Jarid1a and Jarid1b contributes to retinoblastoma-mediated gene silencing during cellular senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8971-8976. | 7.1 | 141       |
| 2345 | Cardiopulmonary dysfunction in the Osteogenesis imperfecta mouse model Aga2 and human patients are caused by bone-independent mechanisms. <i>Human Molecular Genetics</i> , 2012, 21, 3535-3545.   | 2.9 | 57        |
| 2346 | Pancreas-enriched miRNA refines endocrine cell differentiation. <i>Development (Cambridge)</i> , 2012, 139, 3021-3031.   | 2.5 | 92        |
| 2347 | Identification and Pathway Mapping of Furan Target Proteins Reveal Mitochondrial Energy Production and Redox Regulation as Critical Targets of Furan Toxicity. <i>Toxicological Sciences</i> , 2012, 126, 336-352.                         | 3.1 | 37        |
| 2348 | Leptin-Induced mTOR Activation Defines a Specific Molecular and Transcriptional Signature Controlling CD4+ Effector T Cell Responses. <i>Journal of Immunology</i> , 2012, 189, 2941-2953.   | 0.8 | 121       |
| 2349 | A program for annotating and predicting the effects of single nucleotide polymorphisms, SnpEff. <i>Fly</i> , 2012, 6, 80-92.   | 1.7 | 8,643     |
| 2350 | Different Gene Expression Patterns in Human Papillary and Reticular Fibroblasts. <i>Journal of Investigative Dermatology</i> , 2012, 132, 2565-2572.   | 0.7 | 133       |
| 2351 | The atypical E2F family member E2F7 couples the p53 and RB pathways during cellular senescence. <i>Genes and Development</i> , 2012, 26, 1546-1557.  | 5.9 | 100       |
| 2352 | Tissue-Selective Regulation of Androgen-Responsive Genes. <i>Endocrine Research</i> , 2012, 37, 203-215.   | 1.2 | 14        |
| 2353 | ReLiance: a machine learning and literature-based prioritization of receptor-ligand pairings. <i>Bioinformatics</i> , 2012, 28, i569-i574.   | 4.1 | 5         |
| 2354 | Complement C3 is a novel plasma clot component with anti-fibrinolytic properties. <i>Diabetes and Vascular Disease Research</i> , 2012, 9, 216-225.  | 2.0 | 79        |
| 2355 | Novel Loci Associated With PR Interval in a Genome-Wide Association Study of 10 African American Cohorts. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 639-646.  | 5.1 | 48        |
| 2356 | BEYOND COMPARING MEANS: THE USEFULNESS OF ANALYZING INTERINDIVIDUAL VARIATION IN GENE EXPRESSION FOR IDENTIFYING GENES ASSOCIATED WITH CANCER DEVELOPMENT. <i>Journal of Bioinformatics and Computational Biology</i> , 2012, 10, 1241013. | 0.8 | 11        |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2357 | Mining the Bioinformation of Differentially Expressed Genes in Obese Mice Treated with Chronic Intermittent Hypoxia Based on the Bioinformatics Methods. <i>Applied Mechanics and Materials</i> , 0, 195-196, 429-434.                 | 0.2  | 0         |
| 2358 | Integrated Analysis of Multiple Gene Expression Profiling Datasets Revealed Novel Gene Signatures and Molecular Markers in Nasopharyngeal Carcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012, 21, 166-175.         | 2.5  | 16        |
| 2359 | Penetrance of biallelic SMARCA1 mutations is associated with environmental and genetic disturbances of gene expression. <i>Human Molecular Genetics</i> , 2012, 21, 2572-2587.   | 2.9  | 57        |
| 2360 | Progesterone Inhibits Uterine Gland Development in the Neonatal Mouse Uterus1. <i>Biology of Reproduction</i> , 2012, 86, 146, 1-9.  | 2.7  | 66        |
| 2362 | Forkhead box N4 (Foxn4) activates Dll4-Notch signaling to suppress photoreceptor cell fates of early retinal progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E553-62. | 7.1  | 73        |
| 2363 | Integrated Analysis Reveals hsa-miR-142 as a Representative of a Lymphocyte-Specific Gene Expression and Methylation Signature. <i>Cancer Informatics</i> , 2012, 11, CIN.S9037.   | 1.9  | 20        |
| 2364 | Comprehensive Characterization of Mesenchymal Stem Cells from Human Placenta and Fetal Membrane and Their Response to Osteoactivin Stimulation. <i>Stem Cells International</i> , 2012, 2012, 1-13.                                    | 2.5  | 61        |
| 2365 | CUX1 transcription factor is required for optimal ATM/ATR-mediated responses to DNA damage. <i>Nucleic Acids Research</i> , 2012, 40, 4483-4495.   | 14.5 | 47        |
| 2366 | Genome-wide analysis of p63 binding sites identifies AP-2 factors as co-regulators of epidermal differentiation. <i>Nucleic Acids Research</i> , 2012, 40, 7190-7206.  | 14.5 | 87        |
| 2367 | Novel Proteomic Tools Reveal Essential Roles of SRP and Importance of Proper Membrane Protein Biogenesis. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.011585.  | 3.8  | 18        |
| 2368 | Annexin A2 Silencing Induces G2 Arrest of Non-small Cell Lung Cancer Cells through p53-dependent and -independent Mechanisms. <i>Journal of Biological Chemistry</i> , 2012, 287, 32512-32524.   | 3.4  | 64        |
| 2369 | Down-regulation of NF- $\kappa$ B Transcriptional Activity in HIV-associated Kidney Disease by BRD4 Inhibition. <i>Journal of Biological Chemistry</i> , 2012, 287, 28840-28851.   | 3.4  | 172       |
| 2370 | Morphine Produces Immunosuppressive Effects in Nonhuman Primates at the Proteomic and Cellular Levels. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 605-618.   | 3.8  | 45        |
| 2371 | Single-cell analysis of population context advances RNAi screening at multiple levels. <i>Molecular Systems Biology</i> , 2012, 8, 579.  | 7.2  | 153       |
| 2372 | Microtubule stability, Golgi organization, and transport flux require dystonin-a2-MAP1B interaction. <i>Journal of Cell Biology</i> , 2012, 196, 727-742.  | 5.2  | 60        |
| 2373 | Quantifying the white blood cell transcriptome as an accessible window to the multiorgan transcriptome. <i>Bioinformatics</i> , 2012, 28, 905-905.   | 4.1  | 22        |
| 2374 | Elephant Transcriptome Provides Insights into the Evolution of Eutherian Placentation. <i>Genome Biology and Evolution</i> , 2012, 4, 713-725.   | 2.5  | 27        |
| 2375 | A systematic characterization of genes underlying both complex and Mendelian diseases. <i>Human Molecular Genetics</i> , 2012, 21, 1611-1624.  | 2.9  | 35        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2376 | Mice Lacking the $\beta_2$ Adrenergic Receptor Have a Unique Genetic Profile before and after Focal Brain Ischaemia. <i>ASN Neuro</i> , 2012, 4, AN20110020.   | 2.7 | 20        |
| 2377 | Centrosome loss or amplification does not dramatically perturb global gene expression in <i>Drosophila</i> . <i>Biology Open</i> , 2012, 1, 983-993.   | 1.2 | 10        |
| 2378 | Sertoli-cell-specific knockout of connexin 43 leads to multiple alterations in testicular gene expression in prepubertal mice. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 895-913.                          | 2.4 | 37        |
| 2379 | Changes in Brain Transcripts Related to Alzheimer's Disease in a Model of HFE Hemochromatosis are not Consistent with Increased Alzheimer's Disease Risk. <i>Journal of Alzheimer's Disease</i> , 2012, 30, 791-803. | 2.6 | 11        |
| 2380 | CUGBP1 and MBNL1 preferentially bind to 3' UTRs and facilitate mRNA decay. <i>Scientific Reports</i> , 2012, 2, 209.   | 3.3 | 150       |
| 2381 | A Novel Tumor suppressor network in squamous malignancies. <i>Scientific Reports</i> , 2012, 2, 828.   | 3.3 | 11        |
| 2382 | Proteomic Identification of RREB1, PDE6B, and CD209 Up-Regulated in Primitive Gut Tube Differentiated From Human Embryonic Stem Cells. <i>Pancreas</i> , 2012, 41, 65-73.  | 1.1 | 11        |
| 2383 | Proteomic Analysis of Formalin-Fixed Paraffin-Embedded Pancreatic Tissue Using Liquid Chromatography Tandem Mass Spectrometry. <i>Pancreas</i> , 2012, 41, 175-185.  | 1.1 | 30        |
| 2384 | Lipid metabolic pathways as lung cancer therapeutic targets: A computational study. <i>International Journal of Molecular Medicine</i> , 2012, 29, 519-529.  | 4.0 | 14        |
| 2385 | Clinical utility and implementation of gene-expression profiling in myeloma: current status and challenges. <i>International Journal of Hematologic Oncology</i> , 2012, 1, 133-146.                                 | 1.6 | 0         |
| 2386 | 3T3 Cell Lines Stably Expressing Pax6 or Pax6(5a) – A New Tool Used for Identification of Common and Isoform Specific Target Genes. <i>PLoS ONE</i> , 2012, 7, e31915.   | 2.5 | 34        |
| 2387 | Hepatic gene expression analysis of 2-aminoanthracene exposed Fisher-344 rats reveal patterns indicative of liver carcinoma and type 2 diabetes. <i>Journal of Toxicological Sciences</i> , 2012, 37, 1001-1016.     | 1.5 | 13        |
| 2388 | Analysis of candidate genes of spontaneous arthritis in mice deficient for interleukin-1 receptor antagonist. <i>Genes and Genetic Systems</i> , 2012, 87, 107-113.  | 0.7 | 2         |
| 2389 | Network Biology of Tumor Stem-like Cells Identified a Regulatory Role of CBX5 in Lung Cancer. <i>Scientific Reports</i> , 2012, 2, 584.  | 3.3 | 52        |
| 2390 | Mitochondrial function, fatty acid metabolism, and immune system are relevant features of pig adipose tissue development. <i>Physiological Genomics</i> , 2012, 44, 1116-1124.                                       | 2.3 | 13        |
| 2391 | Redefining interferon-producing killer dendritic cells as a novel intermediate in NK-cell differentiation. <i>Blood</i> , 2012, 119, 4349-4357.  | 1.4 | 30        |
| 2392 | KAP1 regulates gene networks controlling mouse B-lymphoid cell differentiation and function. <i>Blood</i> , 2012, 119, 4675-4685.  | 1.4 | 39        |
| 2393 | HIV-1 infection of human macrophages directly induces viperin which inhibits viral production. <i>Blood</i> , 2012, 120, 778-788.  | 1.4 | 184       |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2394 | Loss of mitochondrial protease OMA1 alters processing of the GTPase OPA1 and causes obesity and defective thermogenesis in mice. <i>EMBO Journal</i> , 2012, 31, 2117-2133.  | 7.8  | 230       |
| 2395 | An environmental analysis of genes associated with schizophrenia: hypoxia and vascular factors as interacting elements in the neurodevelopmental model. <i>Molecular Psychiatry</i> , 2012, 17, 1194-1205.                 | 7.9  | 95        |
| 2396 | Nutritional Control of Growth and Development in Yeast. <i>Genetics</i> , 2012, 192, 73-105.   | 2.9  | 560       |
| 2397 | Gene Expression Changes in C57BL/6J and DBA/2J Mice Following Prenatal Alcohol Exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2012, 36, 1519-1529.  | 2.4  | 47        |
| 2398 | A Hierarchical Semiparametric Model for Incorporating Intergene Information for Analysis of Genomic Data. <i>Biometrics</i> , 2012, 68, 1168-1177.   | 1.4  | 2         |
| 2399 | Microbiome and immunological interactions. <i>Nutrition Reviews</i> , 2012, 70, S18-S30.   | 5.8  | 96        |
| 2400 | mrhl RNA, a Long Noncoding RNA, Negatively Regulates Wnt Signaling through Its Protein Partner Ddx5/p68 in Mouse Spermatogonial Cells. <i>Molecular and Cellular Biology</i> , 2012, 32, 3140-3152.                        | 2.3  | 148       |
| 2401 | Interleukin-17 Signaling in Inflammatory, Kupffer Cells, and Hepatic Stellate Cells Exacerbates Liver Fibrosis in Mice. <i>Gastroenterology</i> , 2012, 143, 765-776.e3.   | 1.3  | 536       |
| 2402 | Retroelement Demethylation Associated with Abnormal Placentation in Mus musculus × Mus caroli Hybrids1. <i>Biology of Reproduction</i> , 2012, 86, 88.   | 2.7  | 18        |
| 2403 | EnrichNet: network-based gene set enrichment analysis. <i>Bioinformatics</i> , 2012, 28, i451-i457.  | 4.1  | 269       |
| 2404 | A Novel Regulatory Factor Recruits the Nucleosome Remodeling Complex to Wingless Integrated (Wnt) Signaling Gene Promoters in Mouse Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 41103-41117. | 3.4  | 12        |
| 2405 | Host Response Signature to Staphylococcus aureus Alpha-Hemolysin Implicates Pulmonary Th17 Response. <i>Infection and Immunity</i> , 2012, 80, 3161-3169.  | 2.2  | 44        |
| 2406 | Metscape 2 bioinformatics tool for the analysis and visualization of metabolomics and gene expression data. <i>Bioinformatics</i> , 2012, 28, 373-380.   | 4.1  | 392       |
| 2407 | Step-Wise Methylation of Histone H3K9 Positions Heterochromatin at the Nuclear Periphery. <i>Cell</i> , 2012, 150, 934-947.  | 28.9 | 524       |
| 2408 | The Cytokines Interleukin 27 and Interferon- $\gamma$ Promote Distinct Treg Cell Populations Required to Limit Infection-Induced Pathology. <i>Immunity</i> , 2012, 37, 511-523.   | 14.3 | 340       |
| 2409 | Alkylation Sensitivity Screens Reveal a Conserved Cross-species Functionome. <i>Molecular Cancer Research</i> , 2012, 10, 1580-1596.   | 3.4  | 35        |
| 2410 | Transcriptomic analysis of postmortem brain identifies dysregulated splicing events in novel candidate genes for schizophrenia. <i>Schizophrenia Research</i> , 2012, 142, 188-199.  | 2.0  | 28        |
| 2411 | Regulated Accumulation of Desmosterol Integrates Macrophage Lipid Metabolism and Inflammatory Responses. <i>Cell</i> , 2012, 151, 138-152.   | 28.9 | 487       |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2412 | Early Alterations of the Immune Transcriptome in Cultured Progenitor Cells From Obese Africanâ€American Women. <i>Obesity</i> , 2012, 20, 1481-1490.   | 3.0 | 5         |
| 2413 | Lack of dystrophin in <i>mdx</i> mice modulates the expression of genes involved in neuron survival and differentiation. <i>European Journal of Neuroscience</i> , 2012, 35, 691-701.                                  | 2.6 | 13        |
| 2414 | Implications for health and disease in the genetic signature of the Ashkenazi Jewish population. <i>Genome Biology</i> , 2012, 13, R2.   | 9.6 | 48        |
| 2415 | Genome-wide distribution of 5-formylcytosine in embryonic stem cells is associated with transcription and depends on thymine DNA glycosylase. <i>Genome Biology</i> , 2012, 13, R69.                                   | 9.6 | 205       |
| 2416 | Muscle Gene Expression Is a Marker of Amyotrophic Lateral Sclerosis Severity. <i>Neurodegenerative Diseases</i> , 2012, 9, 38-52.  | 1.4 | 41        |
| 2417 | Direct regulation of microRNA biogenesis and expression by estrogen receptor beta in hormone-responsive breast cancer. <i>Oncogene</i> , 2012, 31, 4196-4206.  | 5.9 | 87        |
| 2418 | Î±-tocopherylâ€phosphate regulation of gene expression in preadipocytes and adipocytes. <i>BioFactors</i> , 2012, 38, 450-457.   | 5.4 | 22        |
| 2419 | Systemsâ€level analysis of clinically different phenotypes of juvenile nasopharyngeal angiofibromas. <i>Laryngoscope</i> , 2012, 122, 2728-2735.   | 2.0 | 7         |
| 2420 | Novel neurodevelopmental information revealed in amniotic fluid supernatant transcripts from fetuses with trisomies 18 and 21. <i>Human Genetics</i> , 2012, 131, 1751-1759.   | 3.8 | 32        |
| 2421 | Gene expression profiling in rat kidney after intratracheal exposure to cadmium-doped nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.  | 1.9 | 15        |
| 2422 | Transcriptome Analysis of the Planarian Eye Identifies ovo as a Specific Regulator of Eye Regeneration. <i>Cell Reports</i> , 2012, 2, 294-307.  | 6.4 | 174       |
| 2423 | Three Distinct Patterns of Histone H3Y41 Phosphorylation Mark Active Genes. <i>Cell Reports</i> , 2012, 2, 470-477.  | 6.4 | 54        |
| 2424 | Effects of heat shock protein 72 (Hsp72) on evolution of astrocyte activation following stroke in the mouse. <i>Experimental Neurology</i> , 2012, 238, 284-296.   | 4.1 | 53        |
| 2425 | Finding disease similarity based on implicit semantic similarity. <i>Journal of Biomedical Informatics</i> , 2012, 45, 363-371.  | 4.3 | 122       |
| 2426 | Protein indicators for HaCaT cell damage induced by UVB irradiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 114, 94-101.   | 3.8 | 15        |
| 2427 | Identification of Flotillin-1 as a novel biomarker for lymph node metastasis and prognosis of lung adenocarcinoma by quantitative plasma membrane proteome analysis. <i>Journal of Proteomics</i> , 2012, 77, 202-214. | 2.4 | 27        |
| 2428 | Early Activation of the Inflammatory Response in the Liver of Brain-Dead Non-Human Primates. <i>Journal of Surgical Research</i> , 2012, 176, 639-648.   | 1.6 | 25        |
| 2429 | Genomic analysis of sleep deprivation reveals translational regulation in the hippocampus. <i>Physiological Genomics</i> , 2012, 44, 981-991.  | 2.3 | 123       |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2430 | Peripheral blood gene expression profile of atherosclerotic coronary artery disease in patients of different ethnicity in Malaysia. <i>Journal of Cardiology</i> , 2012, 60, 192-203.                               | 1.9  | 19        |
| 2431 | Transcriptional responses to loss of RNase H2 in <i>Saccharomyces cerevisiae</i> . <i>DNA Repair</i> , 2012, 11, 933-941.   | 2.8  | 20        |
| 2432 | Early life stage trimethyltin exposure induces ADP-ribosylation factor expression and perturbs the vascular system in zebrafish. <i>Toxicology</i> , 2012, 302, 129-139.  | 4.2  | 11        |
| 2433 | Identification of novel NRF2-regulated genes by ChIP-Seq: influence on retinoid X receptor alpha. <i>Nucleic Acids Research</i> , 2012, 40, 7416-7429.  | 14.5 | 459       |
| 2434 | Gene expression profiling of bovine periparturient placentomes: detection of molecular pathways potentially involved in the release of foetal membranes. <i>Reproduction</i> , 2012, 143, 85-105.                   | 2.6  | 50        |
| 2435 | MultiFacTV: Finding modules from higher-order gene expression profiles with time dimension. , 2012, , .   |      | 1         |
| 2436 | Live-cell monitoring of periodic gene expression in synchronous human cells identifies Forkhead genes involved in cell cycle control. <i>Molecular Biology of the Cell</i> , 2012, 23, 3079-3093.                   | 2.1  | 33        |
| 2437 | A frequency-based gene selection method to identify robust biomarkers for radiation dose prediction. <i>International Journal of Radiation Biology</i> , 2012, 88, 267-276.   | 1.8  | 44        |
| 2438 | Gene Expression in Low- and High-Dose-Irradiated Human Peripheral Blood Lymphocytes: Possible Applications for Biodosimetry. <i>Radiation Research</i> , 2012, 178, 304.  | 1.5  | 64        |
| 2439 | Global alteration in gene expression profiles of deciduas from women with idiopathic recurrent pregnancy loss. <i>Molecular Human Reproduction</i> , 2012, 18, 442-450.   | 2.8  | 69        |
| 2440 | Controlled reoxygenation cardiopulmonary bypass is associated with reduced transcriptomic changes in cyanotic tetralogy of Fallot patients undergoing surgery. <i>Physiological Genomics</i> , 2012, 44, 1098-1106. | 2.3  | 18        |
| 2441 | A transcriptomics-based in vitro assay for predicting chemical genotoxicity in vivo. <i>Carcinogenesis</i> , 2012, 33, 1421-1429.   | 2.8  | 80        |
| 2442 | Response of Primary Human Airway Epithelial Cells to Influenza Infection: A Quantitative Proteomic Study. <i>Journal of Proteome Research</i> , 2012, 11, 4132-4146.  | 3.7  | 65        |
| 2443 | Discovery of Novel Glucose-Regulated Proteins in Isolated Human Pancreatic Islets Using LC-MS/MS-Based Proteomics. <i>Journal of Proteome Research</i> , 2012, 11, 3520-3532.                                       | 3.7  | 69        |
| 2444 | Evolution and function of CAG/polyglutamine repeats in protein-protein interaction networks. <i>Nucleic Acids Research</i> , 2012, 40, 4273-4287.   | 14.5 | 166       |
| 2445 | Clinical and molecular characteristics of congenital glioblastoma. <i>Neuro-Oncology</i> , 2012, 14, 931-941.   | 1.2  | 45        |
| 2446 | Identification of Targets of c-Src Tyrosine Kinase by Chemical Complementation and Phosphoproteomics. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 355-369.   | 3.8  | 47        |
| 2447 | Transcriptional signatures as a disease-specific and predictive inflammatory biomarker for type 1 diabetes. <i>Genes and Immunity</i> , 2012, 13, 593-604.  | 4.1  | 67        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2448 | Spleen transcriptome profiles of BALB/c mouse in response to egg ovomucoid sensitisation and challenge. <i>Food and Agricultural Immunology</i> , 2012, 23, 227-246.  | 1.4  | 2         |
| 2449 | Comprehensive Identification of Substrates for F-box Proteins by Differential Proteomics Analysis. <i>Journal of Proteome Research</i> , 2012, 11, 3175-3185.   | 3.7  | 28        |
| 2450 | Two-Dimensional Liquid Chromatography-Tandem Mass Spectrometry Coupled with Isobaric Tags for Relative and Absolute Quantification (iTRAQ) Labeling Approach Revealed First Proteome Profiles of Pulmonary Alveolar Macrophages Infected with Porcine Reproductive and Respiratory Syndrome Virus. <i>Journal of Proteome Research</i> , 2012, 11, 2890-2903. | 3.7  | 50        |
| 2451 | Global Analysis of Phosphoproteome Regulation by the Ser/Thr Phosphatase Ppt1 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Proteome Research</i> , 2012, 11, 2397-2408.   | 3.7  | 22        |
| 2452 | Patterns of Gene and Metabolite Define the Effects of Extracellular Osmolality on Kidney Collecting Duct. <i>Journal of Proteome Research</i> , 2012, 11, 3816-3828.  | 3.7  | 17        |
| 2453 | Transcriptome analysis of subcutaneous adipose tissues in beef cattle using 3â€² digital gene expression-tag profiling1. <i>Journal of Animal Science</i> , 2012, 90, 171-183.  | 0.5  | 28        |
| 2454 | Renin mRNA is upregulated in testes and testicular cells in response to treatment with aflatoxin B1. <i>Theriogenology</i> , 2012, 77, 331-337.e7.  | 2.1  | 15        |
| 2455 | A genomics-based approach to assessment of vaccine safety and immunogenicity in children. <i>Vaccine</i> , 2012, 30, 1865-1874.   | 3.8  | 21        |
| 2456 | Genome-wide dynamic changes of DNA methylation of repetitive elements in human embryonic stem cells and fetal fibroblasts. <i>Genomics</i> , 2012, 99, 10-17.   | 2.9  | 45        |
| 2457 | GFOLD: a generalized fold change for ranking differentially expressed genes from RNA-seq data. <i>Bioinformatics</i> , 2012, 28, 2782-2788.   | 4.1  | 376       |
| 2458 | Differential Modulation of the Oligodendrocyte Transcriptome by Sonic Hedgehog and Bone Morphogenetic Protein 4 via Opposing Effects on Histone Acetylation. <i>Journal of Neuroscience</i> , 2012, 32, 6651-6664.  | 3.6  | 77        |
| 2459 | Wnt5a Potentiates TGF-Î² Signaling to Promote Colonic Crypt Regeneration After Tissue Injury. <i>Science</i> , 2012, 338, 108-113.  | 12.6 | 402       |
| 2460 | SIRT7 links H3K18 deacetylation to maintenance of oncogenic transformation. <i>Nature</i> , 2012, 487, 114-118.   | 27.8 | 503       |
| 2461 | Inhibition of serine palmitoyltransferase delays the onset of radiation-induced pulmonary fibrosis through the negative regulation of sphingosine kinase-1 expression. <i>Journal of Lipid Research</i> , 2012, 53, 1553-1568.  | 4.2  | 43        |
| 2462 | Microarray Meta-Analysis: From Data to Expression to Biological Relationships. , 2012, , 59-77.   |      | 11        |
| 2463 | Transcriptome-wide Analysis of Exosome Targets. <i>Molecular Cell</i> , 2012, 48, 422-433.  | 9.7  | 184       |
| 2464 | Temporal Profiling and Pulsed SILAC Labeling Identify Novel Secreted Proteins During Ex Vivo Osteoblast Differentiation of Human Stromal Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 989-1007.   | 3.8  | 75        |
| 2465 | Interspecies Comparison of Human and Murine Scleroderma Reveals IL-13 and CCL2 as Disease Subset-Specific Targets. <i>American Journal of Pathology</i> , 2012, 180, 1080-1094.   | 3.8  | 78        |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2466 | Overexpression of Tumor Necrosis Factor- $\alpha$ in the Lungs Alters Immune Response, Matrix Remodeling, and Repair and Maintenance Pathways. <i>American Journal of Pathology</i> , 2012, 180, 1413-1430.              | 3.8  | 46        |
| 2467 | Histone modification profiles characterize function-specific gene regulation. <i>Journal of Theoretical Biology</i> , 2012, 310, 132-142.  | 1.7  | 12        |
| 2468 | Valproic acid reversed pathologic endothelial cell gene expression profile associated with ischemia-reperfusion injury in a swine hemorrhagic shock model. <i>Journal of Vascular Surgery</i> , 2012, 55, 1096-1103.e51. | 1.1  | 53        |
| 2469 | Polycomb Protein Ezh1 Promotes RNA Polymerase II Elongation. <i>Molecular Cell</i> , 2012, 45, 255-262.  | 9.7  | 163       |
| 2470 | Direct Recruitment of Polycomb Repressive Complex 1 to Chromatin by Core Binding Transcription Factors. <i>Molecular Cell</i> , 2012, 45, 330-343.   | 9.7  | 188       |
| 2471 | Oligomeric amyloid- $\beta$ peptide affects the expression of genes involved in steroid and lipid metabolism in primary neurons. <i>Neurochemistry International</i> , 2012, 61, 321-333.                                | 3.8  | 21        |
| 2472 | PDX1 regulation of FABP1 and novel target genes in human intestinal epithelial Caco-2 cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 423, 183-187.  | 2.1  | 5         |
| 2473 | Down-regulation of the PTTG1 proto-oncogene contributes to the melanoma suppressive effects of the cyclin-dependent kinase inhibitor PHA-848125. <i>Biochemical Pharmacology</i> , 2012, 84, 598-611.                    | 4.4  | 26        |
| 2474 | Cerebral gene expression and neurobehavioural responses in mice pups exposed to methylmercury and docosahexaenoic acid through the maternal diet. <i>Environmental Toxicology and Pharmacology</i> , 2012, 33, 26-38.    | 4.0  | 10        |
| 2475 | Identification and characterization of the human leiomyoma side population as putative tumor-initiating cells. <i>Fertility and Sterility</i> , 2012, 98, 741-751.e6.  | 1.0  | 101       |
| 2476 | Microarray expression analysis of genes and pathways involved in growth plate cartilage injury responses and bony repair. <i>Bone</i> , 2012, 50, 1081-1091.   | 2.9  | 52        |
| 2477 | The multi-reference contrast method: Facilitating set enrichment analysis. <i>Computers in Biology and Medicine</i> , 2012, 42, 188-194.   | 7.0  | 5         |
| 2478 | Cell-Surface Proteomics Identifies Lineage-Specific Markers of Embryo-Derived Stem Cells. <i>Developmental Cell</i> , 2012, 22, 887-901.   | 7.0  | 134       |
| 2479 | Transcription factors TP53 and SP1 and the osteogenic differentiation of dental stem cells. <i>Differentiation</i> , 2012, 83, 10-16.  | 1.9  | 17        |
| 2480 | RYBP-PRC1 Complexes Mediate H2A Ubiquitylation at Polycomb Target Sites Independently of PRC2 and H3K27me3. <i>Cell</i> , 2012, 148, 664-678.  | 28.9 | 513       |
| 2481 | TAK1 Inhibition Promotes Apoptosis in KRAS-Dependent Colon Cancers. <i>Cell</i> , 2012, 148, 639-650.  | 28.9 | 245       |
| 2482 | Personal Omics Profiling Reveals Dynamic Molecular and Medical Phenotypes. <i>Cell</i> , 2012, 148, 1293-1307.   | 28.9 | 1,134     |
| 2483 | Cloning and expression of porcine Dicer and the impact of developmental stage and culture conditions on MicroRNA expression in porcine embryos. <i>Gene</i> , 2012, 501, 198-205.  | 2.2  | 33        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2484 | Reconstructing Models from Proteomics Data. , 2012, , 23-80.  |     | 0         |
| 2485 | Quantitative Proteomic Profiling Identifies Protein Correlates to EGFR Kinase Inhibition. Molecular Cancer Therapeutics, 2012, 11, 1071-1081.   | 4.1 | 6         |
| 2486 | CLIP-seq of eIF4AIII reveals transcriptome-wide mapping of the human exon junction complex. Nature Structural and Molecular Biology, 2012, 19, 1124-1131.   | 8.2 | 197       |
| 2487 | Proteomic analysis of mitochondria from infantile hemangioma endothelial cells treated with sodium morrhuate and its liposomal formulation. Journal of Biochemical and Molecular Toxicology, 2012, 26, 374-380. | 3.0 | 4         |
| 2488 | AbsIDconvert: An absolute approach for converting genetic identifiers at different granularities. BMC Bioinformatics, 2012, 13, 229.  | 2.6 | 8         |
| 2489 | Transcriptome landscape of the human placenta. BMC Genomics, 2012, 13, 115.   | 2.8 | 83        |
| 2490 | Gene expression analysis of Drosophila Manf mutants reveals perturbations in membrane traffic and major metabolic changes. BMC Genomics, 2012, 13, 134.   | 2.8 | 49        |
| 2491 | Characterization of the transcriptome profiles related to globin gene switching during in vitro erythroid maturation. BMC Genomics, 2012, 13, 153.  | 2.8 | 23        |
| 2492 | Transcriptome analysis of a long-lived natural Drosophila variant: a prominent role of stress- and reproduction-genes in lifespan extension. BMC Genomics, 2012, 13, 167.                                       | 2.8 | 43        |
| 2493 | Postmortem cardiac tissue maintains gene expression profile even after late harvesting. BMC Genomics, 2012, 13, 26.   | 2.8 | 39        |
| 2494 | Integrated analysis of microRNA expression and mRNA transcriptome in lungs of avian influenza virus infected broilers. BMC Genomics, 2012, 13, 278.   | 2.8 | 99        |
| 2495 | Distinct and overlapping gene regulatory networks in BMP- and HDAC-controlled cell fate determination in the embryonic forebrain. BMC Genomics, 2012, 13, 298.  | 2.8 | 11        |
| 2496 | An unbiased approach to identify genes involved in development in a turtle with temperature-dependent sex determination. BMC Genomics, 2012, 13, 308.   | 2.8 | 8         |
| 2497 | Burkholderia pseudomallei transcriptional adaptation in macrophages. BMC Genomics, 2012, 13, 328.   | 2.8 | 52        |
| 2498 | Medulla oblongata transcriptome changes during presymptomatic natural scrapie and their association with prion-related lesions. BMC Genomics, 2012, 13, 399.  | 2.8 | 12        |
| 2499 | Genome-wide landscape of liver X receptor chromatin binding and gene regulation in human macrophages. BMC Genomics, 2012, 13, 50.   | 2.8 | 69        |
| 2500 | Genome-wide analysis of hepatic LRH-1 reveals a promoter binding preference and suggests a role in regulating genes of lipid metabolism in concert with FXR. BMC Genomics, 2012, 13, 51.                        | 2.8 | 40        |
| 2501 | LRpath analysis reveals common pathways dysregulated via DNA methylation across cancer types. BMC Genomics, 2012, 13, 526.  | 2.8 | 65        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2502 | Effects of immunostimulation on social behavior, chemical communication and genome-wide gene expression in honey bee workers ( <i>Apis mellifera</i> ). <i>BMC Genomics</i> , 2012, 13, 558.  | 2.8 | 97        |
| 2503 | Factors regulated by interferon gamma and hypoxia-inducible factor 1A contribute to responses that protect mice from <i>Coccidioides immitis</i> infection. <i>BMC Microbiology</i> , 2012, 12, 218.                                    | 3.3 | 17        |
| 2504 | Fluoxetine prevents development of an early stress-related molecular signature in the rat infralimbic medial prefrontal cortex. Implications for depression?. <i>BMC Neuroscience</i> , 2012, 13, 125.                                  | 1.9 | 29        |
| 2505 | Transcriptome analysis of amoeboid and ramified microglia isolated from the corpus callosum of rat brain. <i>BMC Neuroscience</i> , 2012, 13, 64.   | 1.9 | 90        |
| 2506 | Systems analysis of inflammatory bowel disease based on comprehensive gene information. <i>BMC Medical Genetics</i> , 2012, 13, 25.   | 2.1 | 8         |
| 2507 | Genistein cooperates with the histone deacetylase inhibitor vorinostat to induce cell death in prostate cancer cells. <i>BMC Cancer</i> , 2012, 12, 145.  | 2.6 | 53        |
| 2508 | NF- $\kappa$ B2 mutation targets survival, proliferation and differentiation pathways in the pathogenesis of plasma cell tumors. <i>BMC Cancer</i> , 2012, 12, 203.   | 2.6 | 4         |
| 2509 | The database of chromosome imbalance regions and genes resided in lung cancer from Asian and Caucasian identified by array-comparative genomic hybridization. <i>BMC Cancer</i> , 2012, 12, 235.  | 2.6 | 42        |
| 2510 | Role of aldo-keto reductases and other doxorubicin pharmacokinetic genes in doxorubicin resistance, DNA binding, and subcellular localization. <i>BMC Cancer</i> , 2012, 12, 381.   | 2.6 | 79        |
| 2511 | An update on the strategies in multicomponent activity monitoring within the phytopharmaceutical field. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 18.   | 3.7 | 17        |
| 2512 | Efficient algorithms for fast integration on large data sets from multiple sources. <i>BMC Medical Informatics and Decision Making</i> , 2012, 12, 59.  | 3.0 | 10        |
| 2513 | An antibody microarray analysis of serum cytokines in neurodegenerative Parkinsonian syndromes. <i>Proteome Science</i> , 2012, 10, 71.   | 1.7 | 22        |
| 2514 | Plasma proteomics shows an elevation of the anti-inflammatory protein APOA-IV in chronic equine laminitis. <i>BMC Veterinary Research</i> , 2012, 8, 179.   | 1.9 | 14        |
| 2515 | Identification of estrogen responsive genes using esophageal squamous cell carcinoma (ESCC) as a model. <i>BMC Systems Biology</i> , 2012, 6, 135.  | 3.0 | 2         |
| 2516 | Genomic signatures for predicting survival and adjuvant chemotherapy benefit in patients with non-small-cell lung cancer. <i>BMC Medical Genomics</i> , 2012, 5, 30.  | 1.5 | 34        |
| 2517 | Impact of Collection and Storage of Lung Tumor Tissue on Whole Genome Expression Profiling. <i>Journal of Molecular Diagnostics</i> , 2012, 14, 140-148.  | 2.8 | 36        |
| 2519 | Hepatitis B Virus Encoded X Protein Suppresses Apoptosis by Inhibition of the Caspase-Independent Pathway. <i>Journal of Proteome Research</i> , 2012, 11, 4803-4813.   | 3.7 | 25        |
| 2520 | Gene network analyses of first service conception in Brangus heifers: Use of genome and trait associations, hypothalamic-transcriptome information, and transcription factors1. <i>Journal of Animal Science</i> , 2012, 90, 2894-2906. | 0.5 | 66        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2521 | Recurrent mutations in the U2AF1 splicing factor in myelodysplastic syndromes. <i>Nature Genetics</i> , 2012, 44, 53-57.  | 21.4 | 513       |
| 2522 | Deep brain stimulation induces rapidly reversible transcript changes in Parkinson's leucocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 1496-1507.  | 3.6  | 15        |
| 2523 | Genome-Wide Bacterial Toxicity Screening Uncovers the Mechanisms of Toxicity of a Cationic Polystyrene Nanomaterial. <i>Environmental Science &amp; Technology</i> , 2012, 46, 2398-2405.   | 10.0 | 54        |
| 2524 | Noncanonical MicroRNAs and Endogenous siRNAs in Lytic Infection of Murine Gammaherpesvirus. <i>PLoS ONE</i> , 2012, 7, e47863.  | 2.5  | 20        |
| 2525 | The Human Pancreatic Islet Transcriptome: Expression of Candidate Genes for Type 1 Diabetes and the Impact of Pro-Inflammatory Cytokines. <i>PLoS Genetics</i> , 2012, 8, e1002552.   | 3.5  | 398       |
| 2526 | Using the Bioconductor GeneAnswers Package to Interpret Gene Lists. <i>Methods in Molecular Biology</i> , 2012, 802, 101-112.   | 0.9  | 22        |
| 2527 | Relationship between pro- and anti-inflammatory cytokines profiles and some haematological parameters in some Cameroonians infected with <i>Onchocerca volvulus</i> . <i>Asian Pacific Journal of Tropical Medicine</i> , 2012, 5, 713-717. | 0.8  | 2         |
| 2528 | Clinical, molecular, and cellular immunologic findings in patients with SP110-associated veno-occlusive disease with immunodeficiency syndrome. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 735-742.e6.                  | 2.9  | 49        |
| 2529 | Divergent Whole-Genome Methylation Maps of Human and Chimpanzee Brains Reveal Epigenetic Basis of Human Regulatory Evolution. <i>American Journal of Human Genetics</i> , 2012, 91, 455-465.  | 6.2  | 147       |
| 2530 | A Noncoding, Regulatory Mutation Implicates HCFC1 in Nonsyndromic Intellectual Disability. <i>American Journal of Human Genetics</i> , 2012, 91, 694-702.   | 6.2  | 89        |
| 2531 | Four day inhibition of prolyl oligopeptidase causes significant changes in the peptidome of rat brain, liver and kidney. <i>Biochimie</i> , 2012, 94, 1849-1859.  | 2.6  | 20        |
| 2532 | Administration of botanicals with the diet regulates gene expression in peripheral blood cells of Sarda sheep during ACTH challenge. <i>Domestic Animal Endocrinology</i> , 2012, 43, 213-226.  | 1.6  | 24        |
| 2533 | Prediction of gene network models in limb muscle precursors. <i>Gene</i> , 2012, 509, 16-23.  | 2.2  | 8         |
| 2534 | Dose-response analysis of phthalate effects on gene expression in rat whole embryo culture. <i>Toxicology and Applied Pharmacology</i> , 2012, 264, 32-41.  | 2.8  | 22        |
| 2535 | Comparative analysis of the invasion-associated genes expression pattern in first trimester trophoblastic (HTR-8/SVneo) and JEG-3 choriocarcinoma cells. <i>Placenta</i> , 2012, 33, 874-877.   | 1.5  | 38        |
| 2536 | Stromal galectin-1 expression is associated with long-term survival in resectable pancreatic ductal adenocarcinoma. <i>Cancer Biology and Therapy</i> , 2012, 13, 899-907.  | 3.4  | 56        |
| 2537 | Clonal Architecture of Secondary Acute Myeloid Leukemia. <i>New England Journal of Medicine</i> , 2012, 366, 1090-1098.   | 27.0 | 688       |
| 2538 | Systems-pharmacology dissection of a drug synergy in imatinib-resistant CML. <i>Nature Chemical Biology</i> , 2012, 8, 905-912.   | 8.0  | 96        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2539 | Linking Variants from Genome-Wide Association Analysis to Function via Transcriptional Network Analysis. <i>Methods in Molecular Biology</i> , 2012, 910, 297-308.  | 0.9  | 0         |
| 2540 | Detection and Phylogenetic Assessment of Conserved Synteny Derived from Whole Genome Duplications. <i>Methods in Molecular Biology</i> , 2012, 855, 385-395.  | 0.9  | 23        |
| 2541 | Gene expression during long-term culture of mesenchymal stem cells obtained from patients with amyotrophic lateral sclerosis. <i>Biochip Journal</i> , 2012, 6, 342-353.                                  | 4.9  | 2         |
| 2542 | Gold nanoparticle-mediated gene delivery induces widespread changes in the expression of innate immunity genes. <i>Gene Therapy</i> , 2012, 19, 347-353.  | 4.5  | 53        |
| 2543 | New Insight on the Mechanisms of Epileptogenesis in the Developing Brain. <i>Advances and Technical Standards in Neurosurgery</i> , 2012, 39, 3-44.   | 0.5  | 20        |
| 2544 | Dysregulation of Uterine Signaling Pathways in Progesterone Receptor-Cre Knockout of Dicer. <i>Molecular Endocrinology</i> , 2012, 26, 1552-1566.   | 3.7  | 28        |
| 2546 | Hypothesis-driven candidate genes for schizophrenia compared to genome-wide association results. <i>Psychological Medicine</i> , 2012, 42, 607-616.   | 4.5  | 83        |
| 2547 | Genome-wide copy number variation study associates metabotropic glutamate receptor gene networks with attention deficit hyperactivity disorder. <i>Nature Genetics</i> , 2012, 44, 78-84.                 | 21.4 | 334       |
| 2548 | Benzothiadiazole-elicited defense priming and systemic acquired resistance against bacterial and viral pathogens of pepper under field conditions. <i>Plant Biotechnology Reports</i> , 2012, 6, 373-380. | 1.5  | 21        |
| 2549 | Application of a systems approach to study developmental gene regulation. <i>Biophysical Reviews</i> , 2012, 4, 245-253.  | 3.2  | 2         |
| 2550 | The Development and Research of Bioinformatics in Neuroscience. <i>AASRI Procedia</i> , 2012, 1, 359-364.   | 0.6  | 4         |
| 2551 | Identification of Cell Surface Targets through Meta-analysis of Microarray Data. <i>Neoplasia</i> , 2012, 14, 666-669.  | 5.3  | 17        |
| 2552 | Human Induced Pluripotent Stem Cells Derived Under Feeder-Free Conditions Display Unique Cell Cycle and DNA Replication Gene Profiles. <i>Stem Cells and Development</i> , 2012, 21, 206-216.             | 2.1  | 23        |
| 2553 | Molecular basis of acquired epileptogenesis. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2012, 107, 3-12.   | 1.8  | 9         |
| 2554 | A genome-wide association study of Alzheimer's disease using random forests and enrichment analysis. <i>Science China Life Sciences</i> , 2012, 55, 618-625.  | 4.9  | 12        |
| 2555 | Mapping of lamin A- and progerin-interacting genome regions. <i>Chromosoma</i> , 2012, 121, 447-464.  | 2.2  | 86        |
| 2557 | Hypoxia Regulated Gene Transcription in Human Optic Nerve Lamina Cribrosa Cells in Culture. , 2012, 53, 2243.   |      | 24        |
| 2558 | Position-dependent FUS-RNA interactions regulate alternative splicing events and transcriptions. <i>Scientific Reports</i> , 2012, 2, 529.  | 3.3  | 180       |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2559 | Proteomic Analysis (GeLCâ€‘MS/MS) of ePFT-Collected Pancreatic Fluid in Chronic Pancreatitis. <i>Journal of Proteome Research</i> , 2012, 11, 1897-1912.  | 3.7 | 25        |
| 2560 | Blood-Based Gene Expression Signatures of Infants and Toddlers With Autism. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2012, 51, 934-944.e2.                   | 0.5 | 98        |
| 2561 | Proteomic Analysis of Eccrine Sweat: Implications for the Discovery of Schizophrenia Biomarker Proteins. <i>Journal of Proteome Research</i> , 2012, 11, 2127-2139.                             | 3.7 | 119       |
| 2562 | In vivo skin leptin modulation after 14 MeV neutron irradiation: a molecular and FT-IR spectroscopic study. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1317-1326.               | 3.7 | 41        |
| 2563 | Quantitative biomedical annotation using medical subject heading over-representation profiles (MeSHOPs). <i>BMC Bioinformatics</i> , 2012, 13, 249.   | 2.6 | 24        |
| 2564 | Probing the <i>Xenopus laevis</i> inner ear transcriptome for biological function. <i>BMC Genomics</i> , 2012, 13, 225.   | 2.8 | 11        |
| 2565 | Cliques for the identification of gene signatures for colorectal cancer across population. <i>BMC Systems Biology</i> , 2012, 6, S17.   | 3.0 | 44        |
| 2566 | Computational gene network analysis reveals TNF-induced angiogenesis. <i>BMC Systems Biology</i> , 2012, 6, S12.  | 3.0 | 16        |
| 2567 | Detection of biomarkers for Hepatocellular Carcinoma using a hybrid univariate gene selection methods. <i>Theoretical Biology and Medical Modelling</i> , 2012, 9, 34.                          | 2.1 | 14        |
| 2568 | A gene expression signature of emphysema-related lung destruction and its reversal by the tripeptide GHK. <i>Genome Medicine</i> , 2012, 4, 67.   | 8.2 | 94        |
| 2569 | Gene expression profiling of peripheral blood mononuclear cells in the setting of peripheral arterial disease. <i>Journal of Clinical Bioinformatics</i> , 2012, 2, 6.                          | 1.2 | 39        |
| 2570 | AP-1 Transcription Factors, Mucin-Type Molecules and MMPs Regulate the IL-11 Mediated Invasiveness of JEG-3 and HTR-8/SVneo Trophoblastic Cells. <i>PLoS ONE</i> , 2012, 7, e29745.             | 2.5 | 26        |
| 2571 | Microarray Analysis of HIV Resistant Female Sex Workers Reveal a Gene Expression Signature Pattern Reminiscent of a Lowered Immune Activation State. <i>PLoS ONE</i> , 2012, 7, e30048.         | 2.5 | 51        |
| 2572 | The Transcriptional Response of <i>Caenorhabditis elegans</i> to Ivermectin Exposure Identifies Novel Genes Involved in the Response to Reduced Food Intake. <i>PLoS ONE</i> , 2012, 7, e31367. | 2.5 | 31        |
| 2573 | The Gene Expression Analysis of Blood Reveals S100A11 and AQP9 as Potential Biomarkers of Infective Endocarditis. <i>PLoS ONE</i> , 2012, 7, e31490.  | 2.5 | 46        |
| 2574 | Integrative Genomic Analysis Reveals Extended Germline Homozygosity with Lung Cancer Risk in the PLCO Cohort. <i>PLoS ONE</i> , 2012, 7, e31975.  | 2.5 | 13        |
| 2575 | Knockdown of SF-1 and RNF31 Affects Components of Steroidogenesis, TGFÎ², and Wnt/Î²-catenin Signaling in Adrenocortical Carcinoma Cells. <i>PLoS ONE</i> , 2012, 7, e32080.                    | 2.5 | 24        |
| 2576 | PTRF/Cavin-1 and MIF Proteins Are Identified as Non-Small Cell Lung Cancer Biomarkers by Label-Free Proteomics. <i>PLoS ONE</i> , 2012, 7, e33752.  | 2.5 | 60        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2577 | HDL Proteome in Hemodialysis Patients: A Quantitative Nanoflow Liquid Chromatography-Tandem Mass Spectrometry Approach. PLoS ONE, 2012, 7, e34107.                          | 2.5 | 67        |
| 2578 | Gene Regulation of Intestinal Porcine Epithelial Cells IPEC-J2 Is Dependent on the Site of Deoxynivalenol Toxicological Action. PLoS ONE, 2012, 7, e34136.                  | 2.5 | 28        |
| 2579 | Focused Examination of the Intestinal lamina Propria Yields Greater Molecular Insight into Mechanisms Underlying SIV Induced Immune Dysfunction. PLoS ONE, 2012, 7, e34561. | 2.5 | 21        |
| 2580 | Experimental Verification of a Predicted Intronic MicroRNA in Human NGFR Gene with a Potential Pro-Apoptotic Function. PLoS ONE, 2012, 7, e35561.                           | 2.5 | 29        |
| 2581 | Linking Proteins to Signaling Pathways for Experiment Design and Evaluation. PLoS ONE, 2012, 7, e36202.   | 2.5 | 28        |
| 2582 | Transcriptional Programs Controlling Perinatal Lung Maturation. PLoS ONE, 2012, 7, e37046.  | 2.5 | 67        |
| 2583 | Expression Profiling Reveals Novel Hypoxic Biomarkers in Peripheral Blood of Adult Mice Exposed to Chronic Hypoxia. PLoS ONE, 2012, 7, e37497.                              | 2.5 | 16        |
| 2584 | Oligonucleotide Microarray Analysis of Dietary-Induced Hyperlipidemia Gene Expression Profiles in Miniature Pigs. PLoS ONE, 2012, 7, e37581.                                | 2.5 | 16        |
| 2585 | Circadian Rhythm-Dependent Alterations of Gene Expression in Drosophila Brain Lacking Fragile X Mental Retardation Protein. PLoS ONE, 2012, 7, e37937.                      | 2.5 | 19        |
| 2586 | Role of MXD3 in Proliferation of DAOY Human Medulloblastoma Cells. PLoS ONE, 2012, 7, e38508.   | 2.5 | 24        |
| 2587 | Intra- and Inter-Individual Variance of Gene Expression in Clinical Studies. PLoS ONE, 2012, 7, e38650.   | 2.5 | 35        |
| 2588 | High-Throughput Transcriptomic and RNAi Analysis Identifies AIM1, ERGIC1, TMED3 and TPX2 as Potential Drug Targets in Prostate Cancer. PLoS ONE, 2012, 7, e39801.           | 2.5 | 54        |
| 2589 | CD28 Costimulation Regulates Genome-Wide Effects on Alternative Splicing. PLoS ONE, 2012, 7, e40032.  | 2.5 | 51        |
| 2590 | Dynamic Changes in Ezh2 Gene Occupancy Underlie Its Involvement in Neural Stem Cell Self-Renewal and Differentiation towards Oligodendrocytes. PLoS ONE, 2012, 7, e40399.   | 2.5 | 59        |
| 2591 | Twist1 Transcriptional Targets in the Developing Atrio-Ventricular Canal of the Mouse. PLoS ONE, 2012, 7, e40815.   | 2.5 | 10        |
| 2592 | IKAROS Deletions Dictate a Unique Gene Expression Signature in Patients with Adult B-Cell Acute Lymphoblastic Leukemia. PLoS ONE, 2012, 7, e40934.                          | 2.5 | 73        |
| 2593 | Cre-Mediated Stress Affects Sirtuin Expression Levels, Peroxisome Biogenesis and Metabolism, Antioxidant and Proinflammatory Signaling Pathways. PLoS ONE, 2012, 7, e41097. | 2.5 | 26        |
| 2594 | Measuring the Maturity of the Fast-Spiking Interneuron Transcriptional Program in Autism, Schizophrenia, and Bipolar Disorder. PLoS ONE, 2012, 7, e41215.                   | 2.5 | 64        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2595 | Prion Protein and Shadoo Are Involved in Overlapping Embryonic Pathways and Trophoblastic Development. PLoS ONE, 2012, 7, e41959.  | 2.5 | 22        |
| 2596 | The B-MYB Transcriptional Network Guides Cell Cycle Progression and Fate Decisions to Sustain Self-Renewal and the Identity of Pluripotent Stem Cells. PLoS ONE, 2012, 7, e42350.                              | 2.5 | 35        |
| 2597 | Phosphoproteome of Human Glioblastoma Initiating Cells Reveals Novel Signaling Regulators Encoded by the Transcriptome. PLoS ONE, 2012, 7, e43398.   | 2.5 | 34        |
| 2598 | miRNA Regulation of Gene Expression: A Predictive Bioinformatics Analysis in the Postnatally Developing Monkey Hippocampus. PLoS ONE, 2012, 7, e43435.   | 2.5 | 13        |
| 2599 | Diversity and Complexity in Chromatin Recognition by TFII-I Transcription Factors in Pluripotent Embryonic Stem Cells and Embryonic Tissues. PLoS ONE, 2012, 7, e44443.  | 2.5 | 23        |
| 2600 | Analysis of the Transcriptomes Downstream of Eyeless and the Hedgehog, Decapentaplegic and Notch Signaling Pathways in Drosophila melanogaster. PLoS ONE, 2012, 7, e44583.                                     | 2.5 | 12        |
| 2601 | Peripheral Blood Gene Expression as a Novel Genomic Biomarker in Complicated Sarcoidosis. PLoS ONE, 2012, 7, e44818.   | 2.5 | 73        |
| 2602 | Multi-Edge Gene Set Networks Reveal Novel Insights into Global Relationships between Biological Themes. PLoS ONE, 2012, 7, e45211.   | 2.5 | 10        |
| 2603 | Inhibition of AKT with the Orally Active Allosteric AKT Inhibitor, MK-2206, Sensitizes Endometrial Cancer Cells to Progesterone. PLoS ONE, 2012, 7, e41593.  | 2.5 | 45        |
| 2604 | Exploring the Transcriptome of Ciliated Cells Using In Silico Dissection of Human Tissues. PLoS ONE, 2012, 7, e35618.  | 2.5 | 73        |
| 2605 | Elongation Factor 1 alpha1 and Genes Associated with Usher Syndromes Are Downstream Targets of GBX2. PLoS ONE, 2012, 7, e47366.  | 2.5 | 13        |
| 2606 | DNA Hypomethylation Affects Cancer-Related Biological Functions and Genes Relevant in Neuroblastoma Pathogenesis. PLoS ONE, 2012, 7, e48401.   | 2.5 | 31        |
| 2607 | Structural, Genetic, and Functional Signatures of Disordered Neuro-Immunological Development in Autism Spectrum Disorder. PLoS ONE, 2012, 7, e48835.   | 2.5 | 15        |
| 2608 | Building a Statistical Model for Predicting Cancer Genes. PLoS ONE, 2012, 7, e49175.   | 2.5 | 2         |
| 2609 | Characteristics and Predictive Value of Blood Transcriptome Signature in Males with Autism Spectrum Disorders. PLoS ONE, 2012, 7, e49475.  | 2.5 | 151       |
| 2610 | Micro-Scale Genomic DNA Copy Number Aberrations as Another Means of Mutagenesis in Breast Cancer. PLoS ONE, 2012, 7, e51719.   | 2.5 | 13        |
| 2611 | Transcriptomic profiles of Japanese medaka (Oryzias latipes) in response to alkalinity stress. Genetics and Molecular Research, 2012, 11, 2200-2246.   | 0.2 | 25        |
| 2612 | Genome-Wide Identification and Quantification of cis- and trans-Regulated Genes Responding to Marek's Disease Virus Infection via Analysis of Allele-Specific Expression. Frontiers in Genetics, 2012, 2, 113. | 2.3 | 20        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2613 | Global Approaches to the Role of miRNAs in Drug-Induced Changes in Gene Expression. <i>Frontiers in Genetics</i> , 2012, 3, 109.   | 2.3 | 21        |
| 2614 | Non-Biased Enrichment Does Not Improve Quantitative Proteomic Delineation of Reovirus T3D-Infected HeLa Cell Protein Alterations. <i>Frontiers in Microbiology</i> , 2012, 3, 310.   | 3.5 | 6         |
| 2615 | Cortical Auditory Deafferentation Induces Long-Term Plasticity in the Inferior Colliculus of Adult Rats: Microarray and qPCR Analysis. <i>Frontiers in Neural Circuits</i> , 2012, 6, 86.  | 2.8 | 9         |
| 2616 | Sex-Specific Modulation of Gene Expression Networks in Murine Hypothalamus. <i>Frontiers in Neuroscience</i> , 2012, 6, 63.  | 2.8 | 49        |
| 2617 | Comparative molecular portraits of human unfertilized oocytes and primordial germ cells at 10 weeks of gestation. <i>International Journal of Developmental Biology</i> , 2012, 56, 789-797.   | 0.6 | 9         |
| 2618 | In Vivo Topoisomerase I Inhibition Attenuates the Expression of Hypoxia-Inducible Factor 1 $\alpha$ Target Genes and Decreases Tumor Angiogenesis. <i>Molecular Medicine</i> , 2012, 18, 83-94.  | 4.4 | 36        |
| 2619 | MaskedPainter: Feature selection for microarray data analysis. <i>Intelligent Data Analysis</i> , 2012, 16, 717-737.   | 0.9 | 10        |
| 2620 | Expression profiling based on coexpressed modules in obese prepubertal children. <i>Genetics and Molecular Research</i> , 2012, 11, 3077-3085.   | 0.2 | 5         |
| 2621 | Mechanisms of $\beta$ 3 Biogenesis in the Megakaryocyte: A Proteomics Approach. , 0, , .   |     | 0         |
| 2622 | Comparative Analysis of Nuclear Transfer Embryo-Derived Mouse Embryonic Stem Cells. Part II: Gene Regulation. <i>Cellular Reprogramming</i> , 2012, 14, 68-78.   | 0.9 | 1         |
| 2623 | Improving ChIP-seq peak-calling for functional co-regulator binding by integrating multiple sources of biological information. <i>BMC Genomics</i> , 2012, 13, S1.   | 2.8 | 4         |
| 2624 | Suppression of cancer stemness p21-regulating mRNA and microRNA signatures in recurrent ovarian cancer patient samples. <i>Journal of Ovarian Research</i> , 2012, 5, 2.   | 3.0 | 11        |
| 2625 | 15 $\alpha$ -Hydroxyprostaglandin dehydrogenase associates with poor prognosis in breast cancer, induces epithelial $\rightarrow$ mesenchymal transition, and promotes cell migration in cultured breast cancer cells. <i>Journal of Pathology</i> , 2012, 226, 674-686. | 4.5 | 32        |
| 2626 | Mass spectrometry $\rightarrow$ based proteomics: qualitative identification to activity $\rightarrow$ based protein profiling. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2012, 4, 141-162.   | 6.6 | 12        |
| 2627 | Serum $\rightarrow$ autoantibodies for discovery of prostate cancer specific biomarkers. <i>Prostate</i> , 2012, 72, 427-436.  | 2.3 | 33        |
| 2628 | cAMP-induced Mitochondrial Compartment Biogenesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 14569-14578.  | 3.4 | 17        |
| 2629 | Chromatin state signatures associated with tissue-specific gene expression and enhancer activity in the embryonic limb. <i>Genome Research</i> , 2012, 22, 1069-1080.  | 5.5 | 121       |
| 2630 | A gene expression signature distinguishes normal tissues of sporadic and radiation-induced papillary thyroid carcinomas. <i>British Journal of Cancer</i> , 2012, 107, 994-1000.   | 6.4 | 111       |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2631 | Gene expression profiles of vitrified in vitro and in vivo derived bovine blastocysts. <i>Molecular Reproduction and Development</i> , 2012, 79, 613-625.  | 2.0  | 43        |
| 2632 | Genetic identification and functional validation of Fc $\gamma$ RIV as key molecule in autoantibody-induced tissue injury. <i>Journal of Pathology</i> , 2012, 228, 8-19.  | 4.5  | 89        |
| 2633 | Bone marrow of neuroblastoma patients shows downregulation of <i>CXCL12</i> expression and presence of <i>IFN</i> signature. <i>Pediatric Blood and Cancer</i> , 2012, 59, 44-51.  | 1.5  | 22        |
| 2634 | Pediatric brainstem gangliogliomas show overexpression of neuropeptide prepronociceptin (PNOC) by microarray and immunohistochemistry. <i>Pediatric Blood and Cancer</i> , 2012, 59, 1173-1179.  | 1.5  | 18        |
| 2635 | <i>Lactobacillus casei</i> Zhang stimulates lipid metabolism in hypercholesterolemic rats by affecting gene expression in the liver. <i>European Journal of Lipid Science and Technology</i> , 2012, 114, 244-252.                     | 1.5  | 28        |
| 2636 | Genetic toxicology and toxicogenomic analysis of three cigarette smoke condensates in vitro reveals few differences among full flavor, blonde, and light products. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 281-296. | 2.2  | 22        |
| 2637 | Molecular perturbations restrict potential for liver repopulation of hepatocytes isolated from non-heart-beating donor rats. <i>Hepatology</i> , 2012, 55, 1182-1192.  | 7.3  | 4         |
| 2638 | Bioinformatics analysis reveals transcriptome and microRNA signatures and drug repositioning targets for IBD and other autoimmune diseases. <i>Inflammatory Bowel Diseases</i> , 2012, 18, 2315-2333.                                  | 1.9  | 47        |
| 2639 | OTX2 directly activates cell cycle genes and inhibits differentiation in medulloblastoma cells. <i>International Journal of Cancer</i> , 2012, 131, E21-32.  | 5.1  | 74        |
| 2640 | Histological and molecular evaluation of iron as degradable medical implant material in a murine animal model. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2881-2889.                                       | 4.0  | 55        |
| 2641 | The MuvB complex sequentially recruits B-Myb and FoxM1 to promote mitotic gene expression. <i>Genes and Development</i> , 2012, 26, 474-489.   | 5.9  | 264       |
| 2642 | Hormonal and molecular characterization of follicular fluid, cumulus cells and oocytes from pre-ovulatory follicles in stimulated and unstimulated cycles. <i>Human Reproduction</i> , 2012, 27, 1596-1605.                            | 0.9  | 44        |
| 2643 | Generation of human vascular smooth muscle subtypes provides insight into embryological origin-dependent disease susceptibility. <i>Nature Biotechnology</i> , 2012, 30, 165-173.  | 17.5 | 321       |
| 2644 | Differential Expression for RNA Sequencing (RNA-Seq) Data: Mapping, Summarization, Statistical Analysis, and Experimental Design. , 2012, , 169-190.   |      | 4         |
| 2645 | Dynamic mRNA and miRNA profiling of CHO-K1 suspension cell cultures. <i>Biotechnology Journal</i> , 2012, 7, 500-515.  | 3.5  | 83        |
| 2646 | Confined 3D microenvironment regulates early differentiation in human pluripotent stem cells. <i>Biotechnology and Bioengineering</i> , 2012, 109, 3119-3132.  | 3.3  | 44        |
| 2647 | MicroRNA microarray analysis of human umbilical vein endothelial cells exposed to benzo(a)pyrene. <i>Biochip Journal</i> , 2012, 6, 191-196.   | 4.9  | 9         |
| 2648 | Intermittent hypoxia activates temporally coordinated transcriptional programs in visceral adipose tissue. <i>Journal of Molecular Medicine</i> , 2012, 90, 435-445.   | 3.9  | 33        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2649 | Time-dependent transcriptional profiling links gene expression to mitogen-activated protein kinase kinase 4 (MKK4)-mediated suppression of omental metastatic colonization. <i>Clinical and Experimental Metastasis</i> , 2012, 29, 397-408.     | 3.3  | 4         |
| 2650 | Genome-wide identification of palmitate-regulated immediate early genes and target genes in pancreatic beta-cells reveals a central role of NF- $\kappa$ B. <i>Molecular Biology Reports</i> , 2012, 39, 6781-6789.                              | 2.3  | 20        |
| 2651 | Effects of Oestrogen on MicroRNA Expression in Hormone-Responsive Breast Cancer Cells. <i>Hormones and Cancer</i> , 2012, 3, 65-78.  | 4.9  | 51        |
| 2652 | Functional roles for redox genes in ethanol sensitivity in <i>Drosophila</i> . <i>Functional and Integrative Genomics</i> , 2012, 12, 305-315.   | 3.5  | 14        |
| 2653 | A Genetic Analysis of the Stinging and Guarding Behaviors of the Honey Bee. <i>Behavior Genetics</i> , 2012, 42, 663-674.  | 2.1  | 11        |
| 2654 | DNA Methylation Signatures in Development and Aging of the Human Prefrontal Cortex. <i>American Journal of Human Genetics</i> , 2012, 90, 260-272.   | 6.2  | 350       |
| 2655 | Differential coexpression analysis of obesity-associated networks in human subcutaneous adipose tissue. <i>International Journal of Obesity</i> , 2012, 36, 137-147.   | 3.4  | 42        |
| 2656 | Gene expression analysis of an epidermolysis bullosa simplex Dowling-Meara cell line by subtractive hybridization: recapitulation of cellular differentiation, migration and wound healing. <i>Experimental Dermatology</i> , 2012, 21, 111-117. | 2.9  | 22        |
| 2657 | Benzo[a]pyrene exposure influences the cardiac development and the expression of cardiovascular relative genes in zebrafish ( <i>Danio rerio</i> ) embryos. <i>Chemosphere</i> , 2012, 87, 369-375.  | 8.2  | 64        |
| 2658 | Detecting disease genes based on semi-supervised learning and protein-protein interaction networks. <i>Artificial Intelligence in Medicine</i> , 2012, 54, 63-71.  | 6.5  | 59        |
| 2659 | The cytotoxic and immunogenic hurdles associated with non-viral mRNA-mediated reprogramming of human fibroblasts. <i>Biomaterials</i> , 2012, 33, 4059-4068.   | 11.4 | 41        |
| 2660 | Inducing healing-like human primary macrophage phenotypes by 3D hydrogel coated nanofibres. <i>Biomaterials</i> , 2012, 33, 4136-4146.   | 11.4 | 112       |
| 2661 | Molecular profiling of functional interactions between pre-osteoblastic and breast carcinoma cells. <i>Genes To Cells</i> , 2012, 17, 302-315.   | 1.2  | 1         |
| 2662 | Pathophysiology of asthma: lessons from genetic research with particular focus on severe asthma. <i>Journal of Internal Medicine</i> , 2012, 272, 108-120.   | 6.0  | 24        |
| 2663 | Active and passive MDMA (ecstasy™) intake induces differential transcriptional changes in the mouse brain. <i>Genes, Brain and Behavior</i> , 2012, 11, 38-51.   | 2.2  | 20        |
| 2664 | GENOMIC BASIS OF AGING AND LIFE-HISTORY EVOLUTION IN <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 3390-3403.  | 2.3  | 134       |
| 2665 | Multifaceted role of nitric oxide in an in vitro mouse neuronal injury model: transcriptomic profiling defines the temporal recruitment of death signalling cascades. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 41-58.       | 3.6  | 4         |
| 2666 | Triazole induced concentration-related gene signatures in rat whole embryo culture. <i>Reproductive Toxicology</i> , 2012, 34, 275-283.  | 2.9  | 47        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2667 | Investigation of autoantibody profiles for cerebrospinal fluid biomarker discovery in patients with relapsingâ€“remitting multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2012, 242, 26-32.  | 2.3 | 18        |
| 2668 | 10E12Z CLA alters adipocyte differentiation and adipocyte cytokine expression and induces macrophage proliferation. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 510-518.  | 4.2 | 8         |
| 2669 | Dual phosphoproteomics and chemical proteomics analysis of erlotinib and gefitinib interference in acute myeloid leukemia cells. <i>Journal of Proteomics</i> , 2012, 75, 1343-1356.   | 2.4 | 79        |
| 2670 | Unraveling the human dendritic cell phagosome proteome by organellar enrichment ranking. <i>Journal of Proteomics</i> , 2012, 75, 1547-1562.   | 2.4 | 27        |
| 2671 | Mitochondria, oligodendrocytes and inflammation in bipolar disorder: Evidence from transcriptome studies points to intriguing parallels with multiple sclerosis. <i>Neurobiology of Disease</i> , 2012, 45, 37-47.   | 4.4 | 130       |
| 2672 | Gene expression profiling of the brain: Pondering facts and fiction. <i>Neurobiology of Disease</i> , 2012, 45, 3-7.   | 4.4 | 13        |
| 2673 | Meta-analysis of genetic and environmental Parkinson's disease models reveals a common role of mitochondrial protection pathways. <i>Neurobiology of Disease</i> , 2012, 45, 1018-1030.  | 4.4 | 34        |
| 2674 | MicroRNA dysregulation in schizophrenia. <i>Neurobiology of Disease</i> , 2012, 46, 263-271.   | 4.4 | 180       |
| 2675 | DRPLA transgenic mouse substrains carrying single copy of full-length mutant human DRPLA gene with variable sizes of expanded CAG repeats exhibit CAG repeat length- and age-dependent changes in behavioral abnormalities and gene expression profiles. <i>Neurobiology of Disease</i> , 2012, 46, 336-350. | 4.4 | 23        |
| 2676 | Genome-wide gene expression effects in B6C3F1 mouse intestinal epithelia following 7 and 90 days of exposure to hexavalent chromium in drinking water. <i>Toxicology and Applied Pharmacology</i> , 2012, 259, 13-26.  | 2.8 | 45        |
| 2677 | Comparative toxicogenomic analysis of oral Cr(VI) exposure effects in rat and mouse small intestinal epithelia. <i>Toxicology and Applied Pharmacology</i> , 2012, 262, 124-138.   | 2.8 | 29        |
| 2678 | Transcriptomic profile of host response in mouse brain after exposure to plant toxin abrin. <i>Toxicology</i> , 2012, 299, 33-43.  | 4.2 | 14        |
| 2679 | Post-fasting olfactory, transcriptional, and feeding responses in <i>Drosophila</i> . <i>Physiology and Behavior</i> , 2012, 105, 544-553.   | 2.1 | 60        |
| 2680 | Genomeâ€“wide association analysis for feed efficiency in Angus cattle. <i>Animal Genetics</i> , 2012, 43, 367-374.  | 1.7 | 110       |
| 2681 | Identification and comparison of micro<scp>RNA</scp>s from skeletal muscle and adipose tissues from two porcine breeds. <i>Animal Genetics</i> , 2012, 43, 704-713.  | 1.7 | 44        |
| 2682 | Combining quantitative trait loci and heterogeneous microarray data analyses reveals putative candidate pathways affecting mastitis in cattle. <i>Animal Genetics</i> , 2012, 43, 793-799.   | 1.7 | 13        |
| 2683 | Hydroxycarbamide alters erythroid gene expression in children with sickle cell anaemia. <i>British Journal of Haematology</i> , 2012, 157, 240-248.  | 2.5 | 26        |
| 2684 | <scp><i>Ex vivo</i></scp> expansion of cord blood progenitors impairs their shortâ€“term and longâ€“term repopulating activity associated with transcriptional dysregulation of signalling networks. <i>Cell Proliferation</i> , 2012, 45, 266-278.  | 5.3 | 17        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2685 | Genome-wide microarray comparison reveals downstream genes of Pax6 in the developing mouse cerebellum. <i>European Journal of Neuroscience</i> , 2012, 36, 2888-2898.   | 2.6  | 15        |
| 2686 | A systematic comparison of genome-scale clustering algorithms. <i>BMC Bioinformatics</i> , 2012, 13, S7.  | 2.6  | 55        |
| 2687 | Downregulation of HuR as a new mechanism of doxorubicin resistance in breast cancer cells. <i>Molecular Cancer</i> , 2012, 11, 13.  | 19.2 | 63        |
| 2688 | Gene expression profiling of primary male breast cancers reveals two unique subgroups and identifies N-acetyltransferase-1 (NAT1) as a novel prognostic biomarker. <i>Breast Cancer Research</i> , 2012, 14, R31.           | 5.0  | 100       |
| 2689 | Transcriptomic profiling of astrocytes treated with the Rho kinase inhibitor Fasudil reveals cytoskeletal and pro-survival responses. <i>Journal of Cellular Physiology</i> , 2012, 227, 1199-1211.                         | 4.1  | 47        |
| 2690 | EphA2B, acting as an extracellular ligand, induces differentiation markers in epidermal keratinocytes. <i>Journal of Cellular Physiology</i> , 2012, 227, 2330-2340.  | 4.1  | 11        |
| 2691 | Microarray analysis reveals age-related differences in gene expression during the development of osteoarthritis in mice. <i>Arthritis and Rheumatism</i> , 2012, 64, 705-717.   | 6.7  | 190       |
| 2692 | Application of microarray technology in <i>Drosophila</i> ethanol behavioral research. <i>Frontiers in Biology</i> , 2012, 7, 65-72.  | 0.7  | 2         |
| 2693 | Systemic response to <i>Campylobacter jejuni</i> infection by profiling gene transcription in the spleens of two genetic lines of chickens. <i>Immunogenetics</i> , 2012, 64, 59-69.  | 2.4  | 26        |
| 2694 | INS GFP/w human embryonic stem cells facilitate isolation of in vitro derived insulin-producing cells. <i>Diabetologia</i> , 2012, 55, 694-706.   | 6.3  | 113       |
| 2695 | Microarray Profiling of Diaphyseal Bone of Rats Suffering from Hypervitaminosis A. <i>Calcified Tissue International</i> , 2012, 90, 219-229.   | 3.1  | 10        |
| 2696 | The curcuminoid CLEFMA selectively induces cell death in H441 lung adenocarcinoma cells via oxidative stress. <i>Investigational New Drugs</i> , 2012, 30, 558-567.   | 2.6  | 24        |
| 2697 | Transcription profiling of Prss16 (Tssp) can be used to find additional peptidase genes that are candidates for self-peptide generation in the thymus. <i>Molecular Biology Reports</i> , 2012, 39, 4051-4058.              | 2.3  | 6         |
| 2698 | Novel amplifications in pediatric medulloblastoma identified by genome-wide copy number profiling. <i>Journal of Neuro-Oncology</i> , 2012, 107, 37-49.   | 2.9  | 3         |
| 2699 | The application of quantification techniques in proteomics for biomedical research. <i>Mass Spectrometry Reviews</i> , 2013, 32, 1-26.  | 5.4  | 60        |
| 2700 | Transcriptome profiling of mice testes following low dose irradiation. <i>Reproductive Biology and Endocrinology</i> , 2013, 11, 50.  | 3.3  | 11        |
| 2701 | Progressive morphological changes and impaired retinal function associated with temporal regulation of gene expression after retinal ischemia/reperfusion injury in mice. <i>Molecular Neurodegeneration</i> , 2013, 8, 21. | 10.8 | 75        |
| 2702 | Embryonic mammary signature subsets are activated in Brca1 -/- and basal-like breast cancers. <i>Breast Cancer Research</i> , 2013, 15, R25.  | 5.0  | 52        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2703 | A randomised controlled phase II trial of pre-operative celecoxib treatment reveals anti-tumour transcriptional response in primary breast cancer. <i>Breast Cancer Research</i> , 2013, 15, R29.                               | 5.0 | 55        |
| 2704 | RNA sequencing reveals sexually dimorphic gene expression before gonadal differentiation in chicken and allows comprehensive annotation of the W-chromosome. <i>Genome Biology</i> , 2013, 14, R26.                             | 9.6 | 98        |
| 2705 | Genome-wide analysis reveals downregulation of miR-379/miR-656 cluster in human cancers. <i>Biology Direct</i> , 2013, 8, 10.   | 4.6 | 69        |
| 2706 | Smchd1 regulates a subset of autosomal genes subject to monoallelic expression in addition to being critical for X inactivation. <i>Epigenetics and Chromatin</i> , 2013, 6, 19.  | 3.9 | 88        |
| 2707 | MeCP2 modulates gene expression pathways in astrocytes. <i>Molecular Autism</i> , 2013, 4, 3.   | 4.9 | 74        |
| 2708 | Genomic analysis of the ecdysone steroid signal at metamorphosis onset using ecdysoneless and EcRnull <i>Drosophila melanogaster</i> mutants. <i>Genes and Genomics</i> , 2013, 35, 21-46.                                      | 1.4 | 10        |
| 2709 | Semantic networks for genome-wide CNV associated with AST and ALT in Korean cohorts. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 103-111.   | 1.7 | 1         |
| 2710 | An integrated analysis of microRNA and mRNA expression in salvianolic acid B-treated human umbilical vein endothelial cells. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 1-7.   | 1.7 | 6         |
| 2711 | Novel differential transcript expression identified by LongSAGE in the mouse endometrium during the implantation window. <i>Molecular Biology Reports</i> , 2013, 40, 651-663.  | 2.3 | 1         |
| 2712 | Comparison and optimization of strategies for a more profound profiling of the sialylated N-glycoproteomics in human plasma using metal oxide enrichment. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5519-5529. | 3.7 | 18        |
| 2713 | Hepatocyte Nuclear Factor 4 Alpha and Farnesoid X Receptor Co-regulates Gene Transcription in Mouse Livers on a Genome-Wide Scale. <i>Pharmaceutical Research</i> , 2013, 30, 2188-2198.  | 3.5 | 27        |
| 2714 | A global toxicogenomic analysis investigating the mechanistic differences between tobacco and marijuana smoke condensates in vitro. <i>Toxicology</i> , 2013, 308, 60-73.   | 4.2 | 32        |
| 2715 | Analysis of the combined action of miR-143 and miR-145 on oncogenic pathways in colorectal cancer cells reveals a coordinate program of gene repression. <i>Oncogene</i> , 2013, 32, 4806-4813.                                 | 5.9 | 159       |
| 2716 | Empirical Bayes estimation of posterior probabilities of enrichment: A comparative study of five estimators of the local false discovery rate. <i>BMC Bioinformatics</i> , 2013, 14, 87.  | 2.6 | 17        |
| 2717 | Genome-wide association study of antibody response to Newcastle disease virus in chicken. <i>BMC Genetics</i> , 2013, 14, 42.   | 2.7 | 32        |
| 2718 | Deep brain stimulation modulates nonsense-mediated RNA decay in Parkinson's patients leukocytes. <i>BMC Genomics</i> , 2013, 14, 478.   | 2.8 | 14        |
| 2719 | Coexpression analysis of large cancer datasets provides insight into the cellular phenotypes of the tumour microenvironment. <i>BMC Genomics</i> , 2013, 14, 469.   | 2.8 | 39        |
| 2720 | Detection of selective sweeps in cattle using genome-wide SNP data. <i>BMC Genomics</i> , 2013, 14, 382.  | 2.8 | 102       |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2721 | Alterations in gene expression in <i>Caenorhabditis elegans</i> associated with organophosphate pesticide intoxication and recovery. <i>BMC Genomics</i> , 2013, 14, 291.   | 2.8 | 34        |
| 2722 | Dynamic regulation of epigenomic landscapes during hematopoiesis. <i>BMC Genomics</i> , 2013, 14, 193.  | 2.8 | 41        |
| 2723 | The transcript catalogue of the short-lived fish <i>Nothobranchius furzeri</i> provides insights into age-dependent changes of mRNA levels. <i>BMC Genomics</i> , 2013, 14, 185.  | 2.8 | 52        |
| 2724 | Profiling and metaanalysis of epidermal keratinocytes responses to epidermal growth factor. <i>BMC Genomics</i> , 2013, 14, 85.   | 2.8 | 29        |
| 2725 | Microarray analysis of MicroRNA expression in peripheral blood mononuclear cells of critically ill patients with influenza A (H1N1). <i>BMC Infectious Diseases</i> , 2013, 13, 257.  | 2.9 | 66        |
| 2726 | Nuclear entrapment and extracellular depletion of PCOLCE is associated with muscle degeneration in oculopharyngeal muscular dystrophy. <i>BMC Neurology</i> , 2013, 13, 70.   | 1.8 | 15        |
| 2727 | Microarray gene expression profiling of neural tissues in bovine spastic paresis. <i>BMC Veterinary Research</i> , 2013, 9, 122.  | 1.9 | 8         |
| 2728 | Maximizing capture of gene co-expression relationships through pre-clustering of input expression samples: an <i>Arabidopsis</i> case study. <i>BMC Systems Biology</i> , 2013, 7, 44.  | 3.0 | 22        |
| 2729 | Integrative analysis of congenital muscular torticollis: from gene expression to clinical significance. <i>BMC Medical Genomics</i> , 2013, 6, S10.   | 1.5 | 17        |
| 2730 | Validation of microarray data in human lymphoblasts shows a role of the ubiquitin-proteasome system and NF- $\kappa$ B in the pathogenesis of Down syndrome. <i>BMC Medical Genomics</i> , 2013, 6, 24.                         | 1.5 | 22        |
| 2731 | Genome-wide expression profiling and functional characterization of SCA28 lymphoblastoid cell lines reveal impairment in cell growth and activation of apoptotic pathways. <i>BMC Medical Genomics</i> , 2013, 6, 22.           | 1.5 | 14        |
| 2732 | Genome-wide prediction and analysis of human tissue-selective genes using microarray expression data. <i>BMC Medical Genomics</i> , 2013, 6, S10.   | 1.5 | 11        |
| 2733 | Changes in transcriptome of native nasal epithelium expressing F508del-CFTR and intersecting data from comparable studies. <i>Respiratory Research</i> , 2013, 14, 38.  | 3.6 | 61        |
| 2734 | Extracellular matrix of adipogenically differentiated mesenchymal stem cells reveals a network of collagen filaments, mostly interwoven by hexagonal structural units. <i>Matrix Biology</i> , 2013, 32, 452-465.               | 3.6 | 25        |
| 2735 | Personal genomes, quantitative dynamic omics and personalized medicine. <i>Quantitative Biology</i> , 2013, 1, 71-90.   | 0.5 | 29        |
| 2736 | Altered miRNA Expression is Associated with Differentiation, Invasion, and Metastasis of Esophageal Squamous Cell Carcinoma (ESCC) in Patients from Huaian, China. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 657-668. | 1.8 | 74        |
| 2737 | Identification of circulating microRNAs in HNF1A-MODY carriers. <i>Diabetologia</i> , 2013, 56, 1743-1751.  | 6.3 | 26        |
| 2738 | Research Resource: Progesterone Receptor Targetome Underlying Mammary Gland Branching Morphogenesis. <i>Molecular Endocrinology</i> , 2013, 27, 1743-1761.  | 3.7 | 37        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2739 | Whole-Genome Expression Analysis of Human Mesenchymal Stromal Cells Exposed to UltrasMOOTH Tantalum vs. Titanium Oxide Surfaces. Cellular and Molecular Bioengineering, 2013, 6, 199-209.                     | 2.1 | 4         |
| 2740 | Influence of Oxygen in the Cultivation of Human Mesenchymal Stem Cells in Simulated Microgravity: An Explorative Study. Microgravity Science and Technology, 2013, 25, 59-66.                                 | 1.4 | 8         |
| 2741 | LGR5 is a Proneural Factor and is Regulated by OLIG2 in Glioma Stem-Like Cells. Cellular and Molecular Neurobiology, 2013, 33, 851-865.   | 3.3 | 15        |
| 2742 | A decision theory paradigm for evaluating identifier mapping and filtering methods using data integration. BMC Bioinformatics, 2013, 14, 223.   | 2.6 | 18        |
| 2743 | All-trans retinoic acid and basic fibroblast growth factor synergistically direct pluripotent human embryonic stem cells to extraembryonic lineages. Stem Cell Research, 2013, 10, 228-240.                   | 0.7 | 15        |
| 2744 | Defining the RGG/RG Motif. Molecular Cell, 2013, 50, 613-623.   | 9.7 | 512       |
| 2745 | An Interactive Approach to Multiobjective Clustering of Gene Expression Patterns. IEEE Transactions on Biomedical Engineering, 2013, 60, 35-41.   | 4.2 | 38        |
| 2746 | Early Growth Response 3 (Egr-3) Is Induced by Transforming Growth Factor- $\beta^2$ and Regulates Fibrogenic Responses. American Journal of Pathology, 2013, 183, 1197-1208.                                  | 3.8 | 48        |
| 2747 | Transcriptomic analysis of inbreeding depression in cold-sensitive <i>Drosophila melanogaster</i> shows upregulation of the immune response. Journal of Evolutionary Biology, 2013, 26, 1890-1902.            | 1.7 | 49        |
| 2748 | Functional Genomics, Proteomics, Metabolomics and Bioinformatics for Systems Biology. , 2013, , 3-41.   |     | 5         |
| 2749 | DAX1 regulatory networks unveil conserved and potentially new functions. Gene, 2013, 530, 66-74.  | 2.2 | 10        |
| 2750 | Neurodevelopmental alcohol exposure elicits long-term changes to gene expression that alter distinct molecular pathways dependent on timing of exposure. Journal of Neurodevelopmental Disorders, 2013, 5, 6. | 3.1 | 66        |
| 2751 | An Aberrant Transcription Factor Network Essential for Wnt Signaling and Stem Cell Maintenance in Glioblastoma. Cell Reports, 2013, 3, 1567-1579.   | 6.4 | 236       |
| 2752 | Sensory-Neuron Subtype-Specific Transcriptional Programs Controlling Dendrite Morphogenesis: Genome-wide Analysis of Abrupt and Knot/Collier. Developmental Cell, 2013, 27, 530-544.                          | 7.0 | 60        |
| 2753 | PainNetworks: A web-based resource for the visualisation of pain-related genes in the context of their network associations. Pain, 2013, 154, 2586e1-2586e12.   | 4.2 | 50        |
| 2754 | A simulation to analyze feature selection methods utilizing gene ontology for gene expression classification. Journal of Biomedical Informatics, 2013, 46, 1044-1059.   | 4.3 | 13        |
| 2755 | Ionizing radiation-induced gene expression changes in TP53 proficient and deficient glioblastoma cell lines. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 756, 46-55.          | 1.7 | 24        |
| 2756 | Pediatric rhabdoid tumors of kidney and brain show many differences in gene expression but share dysregulation of cell cycle and epigenetic effector genes. Pediatric Blood and Cancer, 2013, 60, 1095-1102.  | 1.5 | 40        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2757 | Nicotine Alters MicroRNA Expression and Hinders Human Adult Stem Cell Regenerative Potential. Stem Cells and Development, 2013, 22, 781-790.  | 2.1  | 55        |
| 2758 | Semantic extraction of geographic data from web tables for big data integration. , 2013, , .  |      | 10        |
| 2759 | In vivo regulation of gene transcription by alpha- and gamma-tocopherol in murine T lymphocytes. Archives of Biochemistry and Biophysics, 2013, 538, 111-119.   | 3.0  | 31        |
| 2760 | Genetic Mapping with Multiple Levels of Phenotypic Information Reveals Determinants of Lymphocyte Glucocorticoid Sensitivity. American Journal of Human Genetics, 2013, 93, 735-743.  | 6.2  | 23        |
| 2761 | Integrative Mechanisms of Oriented Neuronal Migration in the Developing Brain. Annual Review of Cell and Developmental Biology, 2013, 29, 299-353.  | 9.4  | 134       |
| 2762 | Proteogenomic Analysis of Human Colon Carcinoma Cell Lines LIM1215, LIM1899, and LIM2405. Journal of Proteome Research, 2013, 12, 1732-1742.  | 3.7  | 30        |
| 2763 | Differential L1 regulation in pluripotent stem cells of humans and apes. Nature, 2013, 503, 525-529.  | 27.8 | 220       |
| 2764 | The challenging environment on board the International Space Station affects endothelial cell function by triggering oxidative stress through thioredoxin interacting protein overexpression: the ESAâ€SPHINX experiment. FASEB Journal, 2013, 27, 4466-4475. | 0.5  | 110       |
| 2765 | Transgenic 6F tomatoes act on the small intestine to prevent systemic inflammation and dyslipidemia caused by Western diet and intestinally derived lysophosphatidic acid. Journal of Lipid Research, 2013, 54, 3403-3418.                                    | 4.2  | 60        |
| 2766 | Association of AMD-like retinopathy development with an Alzheimerâ€™s disease metabolic pathway in OXYS rats. Biogerontology, 2013, 14, 753-762.  | 3.9  | 34        |
| 2767 | Gene expression changes associated with erlotinib response in glioma cell lines. European Journal of Cancer, 2013, 49, 1641-1653.   | 2.8  | 35        |
| 2768 | Tissue and circulating microRNA influence reproductive function in endometrial disease. Reproductive BioMedicine Online, 2013, 27, 515-529.   | 2.4  | 70        |
| 2769 | Extended Self-Renewal and Accelerated Reprogramming in the Absence of Kdm5b. Molecular and Cellular Biology, 2013, 33, 4793-4810.   | 2.3  | 58        |
| 2770 | Transcriptional Profiling of Neisseria meningitidis Interacting with Human Epithelial Cells in a Long-Term <i>In Vitro</i> Colonization Model. Infection and Immunity, 2013, 81, 4149-4159.   | 2.2  | 25        |
| 2771 | Thymic Stromal Lymphopoietin-Mediated Extramedullary Hematopoiesis Promotes Allergic Inflammation. Immunity, 2013, 39, 1158-1170.   | 14.3 | 64        |
| 2772 | The N and C Termini of ZO-1 Are Surrounded by Distinct Proteins and Functional Protein Networks. Journal of Biological Chemistry, 2013, 288, 13775-13788.   | 3.4  | 110       |
| 2773 | The molecular diversity of Luminal A breast tumors. Breast Cancer Research and Treatment, 2013, 141, 409-420.   | 2.5  | 120       |
| 2774 | Comprehensive high-resolution genomic profiling and cytogenetics of two pediatric and one adult medulloblastoma. Pathology Research and Practice, 2013, 209, 541-547.   | 2.3  | 1         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2775 | Dietary Selenium Supplementation and Whole Blood Gene Expression in Healthy North American Men. <i>Biological Trace Element Research</i> , 2013, 155, 201-208.   | 3.5  | 15        |
| 2776 | Differential proteomic profiling in human spermatozoa that did or did not result in pregnancy via IVF and AID. <i>Proteomics - Clinical Applications</i> , 2013, 7, 850-858.   | 1.6  | 44        |
| 2777 | SHANK3 overexpression causes manic-like behaviour with unique pharmacogenetic properties. <i>Nature</i> , 2013, 503, 72-77.  | 27.8 | 323       |
| 2778 | Transcriptome-wide identification of RNA binding sites by CLIP-seq. <i>Methods</i> , 2013, 63, 32-40.  | 3.8  | 28        |
| 2779 | Microarray-Based Transcriptome Profiling of Ovarian Cancer Cells. <i>Methods in Molecular Biology</i> , 2013, 1049, 119-137.   | 0.9  | 0         |
| 2780 | Metastasis tumor-associated protein 2 enhances metastatic behavior and is associated with poor outcomes in estrogen receptor-negative breast cancer. <i>Breast Cancer Research and Treatment</i> , 2013, 141, 375-384. | 2.5  | 38        |
| 2781 | Gene expression analysis of induced pluripotent stem cells from aneuploid chromosomal syndromes. <i>BMC Genomics</i> , 2013, 14, S8.   | 2.8  | 30        |
| 2782 | Intronic Non-CG DNA hydroxymethylation and alternative mRNA splicing in honey bees. <i>BMC Genomics</i> , 2013, 14, 666.   | 2.8  | 62        |
| 2783 | MultiFacTV: module detection from higher-order time series biological data. <i>BMC Genomics</i> , 2013, 14, S2.  | 2.8  | 5         |
| 2784 | An efficient method for mining cross-timepoint gene regulation sequential patterns from time course gene expression datasets. <i>BMC Bioinformatics</i> , 2013, 14, S3.  | 2.6  | 4         |
| 2786 | PKIS: computational identification of protein kinases for experimentally discovered protein phosphorylation sites. <i>BMC Bioinformatics</i> , 2013, 14, 247.  | 2.6  | 43        |
| 2787 | MicroRNAs implicated in dysregulation of gene expression following human lung transplantation. <i>Translational Respiratory Medicine</i> , 2013, 1, .  | 3.8  | 22        |
| 2788 | Exploring signatures of positive selection in pigmentation candidate genes in populations of East Asian ancestry. <i>BMC Evolutionary Biology</i> , 2013, 13, 150.   | 3.2  | 54        |
| 2789 | Mining differential top-k co-expression patterns from time course comparative gene expression datasets. <i>BMC Bioinformatics</i> , 2013, 14, 230.   | 2.6  | 27        |
| 2790 | Label-free mass spectrometry proteome quantification of human embryonic kidney cells following 24 hours of sialic acid overproduction. <i>Proteome Science</i> , 2013, 11, 38.   | 1.7  | 13        |
| 2791 | Prediabetic changes in gene expression induced by aspartame and monosodium glutamate in Trans fat-fed C57Bl/6AJ mice. <i>Nutrition and Metabolism</i> , 2013, 10, 44.  | 3.0  | 13        |
| 2792 | PROGRESS IN COMPUTATIONAL STUDIES OF HOST-“PATHOGEN INTERACTIONS. <i>Journal of Bioinformatics and Computational Biology</i> , 2013, 11, 1230001.  | 0.8  | 54        |
| 2793 | The early phase transcriptome of bovine monocyte-derived macrophages infected with <i>Staphylococcus aureus</i> in vitro. <i>BMC Genomics</i> , 2013, 14, 891.   | 2.8  | 46        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2794 | Transcriptome analysis of primary monocytes from HIV-positive patients with differential responses to antiretroviral therapy. <i>Virology Journal</i> , 2013, 10, 361.  | 3.4  | 17        |
| 2795 | A flexible statistical model for alignment of label-free proteomics data - incorporating ion mobility and product ion information. <i>BMC Bioinformatics</i> , 2013, 14, 364.   | 2.6  | 6         |
| 2796 | Integrating human omics data to prioritize candidate genes. <i>BMC Medical Genomics</i> , 2013, 6, 57.  | 1.5  | 36        |
| 2797 | Stringent DDI-based Prediction of H. sapiens-M. tuberculosis H37Rv Protein-Protein Interactions. <i>BMC Systems Biology</i> , 2013, 7, S6.  | 3.0  | 34        |
| 2798 | HOXC9 directly regulates distinct sets of genes to coordinate diverse cellular processes during neuronal differentiation. <i>BMC Genomics</i> , 2013, 14, 830.  | 2.8  | 24        |
| 2799 | Gene Expression Profiling Reveals Regulation of ERK Phosphorylation by Androgen-Induced Tumor Suppressor U19/EAF2 in the Mouse Prostate. <i>Cancer Microenvironment</i> , 2013, 6, 247-261.   | 3.1  | 14        |
| 2800 | A transcriptomic approach to elucidate the physiological significance of human cytochrome P450 2S1 in bronchial epithelial cells. <i>BMC Genomics</i> , 2013, 14, 833.  | 2.8  | 12        |
| 2801 | Expression profiling of 519 kinase genes in matched malignant peripheral nerve sheath tumor/plexiform neurofibroma samples is discriminatory and identifies mitotic regulators BUB1B, PBK and NEK2 as overexpressed with transformation. <i>Modern Pathology</i> , 2013, 26, 930-943. | 5.5  | 29        |
| 2802 | Mesenchymal Differentiation Mediated by NF- $\kappa$ B Promotes Radiation Resistance in Glioblastoma. <i>Cancer Cell</i> , 2013, 24, 331-346.   | 16.8 | 856       |
| 2803 | Chromosome 7-Centric Analysis of Proteomics Data from a Panel of Human Colon Carcinoma Cell Lines. <i>Journal of Proteome Research</i> , 2013, 12, 89-96.   | 3.7  | 6         |
| 2804 | The Grainyhead transcription factor Grhl3/Get1 suppresses miR-21 expression and tumorigenesis in skin: modulation of the miR-21 target MSH2 by RNA-binding protein DND1. <i>Oncogene</i> , 2013, 32, 1497-1507.   | 5.9  | 66        |
| 2805 | Common and specific signatures of gene expression and protein-protein interactions in autoimmune diseases. <i>Genes and Immunity</i> , 2013, 14, 67-82.   | 4.1  | 89        |
| 2806 | Chd4 and associated proteins function as corepressors of Sox9 expression during BMP-2-induced chondrogenesis. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 1950-1961.  | 2.8  | 15        |
| 2807 | Global versus Local Hubs in Human Protein-Protein Interaction Network. <i>Journal of Proteome Research</i> , 2013, 12, 5436-5446.   | 3.7  | 24        |
| 2808 | The experimental renal cell carcinoma model in the chick embryo. <i>Angiogenesis</i> , 2013, 16, 181-194.   | 7.2  | 46        |
| 2809 | CDK-mediated activation of the SCF <sup>FBXO</sup> ubiquitin ligase promotes MYC-driven transcription and tumorigenesis and predicts poor survival in breast cancer. <i>EMBO Molecular Medicine</i> , 2013, 5, 1067-1086.   | 6.9  | 61        |
| 2810 | Integrative genomics of gene and metabolic regulation by estrogen receptors $\text{ER}\alpha$ and $\text{ER}\beta$ , and their coregulators. <i>Molecular Systems Biology</i> , 2013, 9, 676.   | 7.2  | 81        |
| 2811 | The histone H3K27 methylation mark regulates intestinal epithelial cell density-dependent proliferation and the inflammatory response. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 1203-1215.  | 2.6  | 20        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2812 | 25-Hydroxycholesterol Activates the Integrated Stress Response to Reprogram Transcription and Translation in Macrophages. <i>Journal of Biological Chemistry</i> , 2013, 288, 35812-35823.   | 3.4 | 64        |
| 2813 | MicroRNA 218 Acts as a Tumor Suppressor by Targeting Multiple Cancer Phenotype-associated Genes in Medulloblastoma. <i>Journal of Biological Chemistry</i> , 2013, 288, 1918-1928.   | 3.4 | 100       |
| 2814 | Th-MYCN Mice with Caspase-8 Deficiency Develop Advanced Neuroblastoma with Bone Marrow Metastasis. <i>Cancer Research</i> , 2013, 73, 4086-4097.   | 0.9 | 57        |
| 2815 | Trelliscope: A system for detailed visualization in the deep analysis of large complex data. , 2013, , .   |     | 10        |
| 2816 | Ontogeny of erythroid gene expression. <i>Blood</i> , 2013, 121, e5-e13.   | 1.4 | 150       |
| 2817 | Gene profiling identifies commonalities in neuronal pathways in excitotoxicity: Evidence favouring cell cycle re-activation in concert with oxidative stress. <i>Neurochemistry International</i> , 2013, 62, 719-730.   | 3.8 | 13        |
| 2818 | Detection and interpretation of genomic structural variation in health and disease. <i>Expert Review of Molecular Diagnostics</i> , 2013, 13, 61-82.   | 3.1 | 13        |
| 2819 | Transcriptome Analysis in Patients with Progressive Coronary Artery Disease: Identification of Differential Gene Expression in Peripheral Blood. <i>Journal of Cardiovascular Translational Research</i> , 2013, 6, 81-93.   | 2.4 | 33        |
| 2820 | Genome-wide profiling in melatonin-exposed human breast cancer cell lines identifies differentially methylated genes involved in the anticancer effect of melatonin. <i>Journal of Pineal Research</i> , 2013, 54, 80-88.  | 7.4 | 55        |
| 2821 | The Impact of Cell Source, Culture Methodology, Culture Location, and Individual Donors on Gene Expression Profiles of Bone Marrow-Derived and Adipose-Derived Stromal Cells. <i>Stem Cells and Development</i> , 2013, 22, 1086-1096.                                 | 2.1 | 45        |
| 2822 | Glycoproteomics enabled by tagging sialic acid- or galactose-terminated glycans. <i>Glycobiology</i> , 2013, 23, 211-221.  | 2.5 | 81        |
| 2823 | Unravelling the enigma of selective vulnerability in neurodegeneration: motor neurons resistant to degeneration in ALS show distinct gene expression characteristics and decreased susceptibility to excitotoxicity. <i>Acta Neuropathologica</i> , 2013, 125, 95-109. | 7.7 | 133       |
| 2824 | Attenuating effect of Fufang Xueshuantong Capsule on kidney function in diabetic nephropathy model. <i>Journal of Natural Medicines</i> , 2013, 67, 86-97.   | 2.3 | 14        |
| 2825 | RNA Targets and Specificity of Staufen, a Double-stranded RNA-binding Protein in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 2532-2545.  | 3.4 | 45        |
| 2826 | Global expression profiling of globose basal cells and neurogenic progression within the olfactory epithelium. <i>Journal of Comparative Neurology</i> , 2013, 521, 833-859.   | 1.6 | 44        |
| 2827 | Proteomic snapshot of breast cancer cell cycle: <sc>G</sc>1<sc>S</sc> transition point. <i>Proteomics</i> , 2013, 13, 48-60.   | 2.2 | 19        |
| 2828 | Comparative proteomic analysis of the <sc>ATP</sc>-sensitive <sc>K</sc><sup>+</sup> channel complex in different tissue types. <i>Proteomics</i> , 2013, 13, 368-378.  | 2.2 | 16        |
| 2829 | Endothelial cells provide a niche for placental hematopoietic stem/progenitor cell expansion through broad transcriptomic modification. <i>Stem Cell Research</i> , 2013, 11, 1074-1090.   | 0.7 | 25        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2830 | Analysis of the STAT3 interactome using in-situ biotinylation and SILAC. <i>Journal of Proteomics</i> , 2013, 94, 370-386.   | 2.4  | 10        |
| 2831 | Placental invasion, preeclampsia risk and adaptive molecular evolution at the origin of the great apes: Evidence from genome-wide analyses. <i>Placenta</i> , 2013, 34, 127-132.   | 1.5  | 55        |
| 2832 | PPAR $\delta$ -mediated responses in human adult liver stem cells: In vivo/in vitro and cross-species comparisons. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 138, 236-247.                    | 2.5  | 11        |
| 2833 | Acute prenatal exposure to a moderate dose of valproic acid increases social behavior and alters gene expression in rats. <i>International Journal of Developmental Neuroscience</i> , 2013, 31, 740-750.                | 1.6  | 44        |
| 2834 | Thrombopoietin improved ventricular function and regulated remodeling genes in a rat model of myocardial infarction. <i>International Journal of Cardiology</i> , 2013, 167, 2546-2554.                                  | 1.7  | 7         |
| 2835 | Insulin/IGF-1 Controls Epidermal Morphogenesis via Regulation of FoxO-Mediated p63 Inhibition. <i>Developmental Cell</i> , 2013, 26, 176-187.  | 7.0  | 41        |
| 2836 | A dynamic and complex monochloramine stress response in <i>Escherichia coli</i> revealed by transcriptome analysis. <i>Water Research</i> , 2013, 47, 4978-4985.   | 11.3 | 26        |
| 2837 | Obesity and airway responsiveness: Role of TNFR2. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013, 26, 444-454.  | 2.6  | 44        |
| 2838 | Sost and its paralog Sostdc1 coordinate digit number in a Gli3-dependent manner. <i>Developmental Biology</i> , 2013, 383, 90-105.   | 2.0  | 47        |
| 2839 | The TGR5 gene is expressed in human subcutaneous adipose tissue and is associated with obesity, weight loss and resting metabolic rate. <i>Biochemical and Biophysical Research Communications</i> , 2013, 433, 563-566. | 2.1  | 35        |
| 2840 | Induced CYP3A4 Expression in Confluent Huh7 Hepatoma Cells as a Result of Decreased Cell Proliferation and Subsequent Pregnane X Receptor Activation. <i>Molecular Pharmacology</i> , 2013, 83, 659-670.                 | 2.3  | 34        |
| 2841 | The atypical mechanosensitive microRNA-712 derived from pre-ribosomal RNA induces endothelial inflammation and atherosclerosis. <i>Nature Communications</i> , 2013, 4, 3000.  | 12.8 | 198       |
| 2842 | Basal Splicing Factors Regulate the Stability of Mature mRNAs in Trypanosomes. <i>Journal of Biological Chemistry</i> , 2013, 288, 4991-5006.  | 3.4  | 33        |
| 2843 | Analysis and Meta-analysis of Transcriptional Profiling in Human Epidermis. <i>Methods in Molecular Biology</i> , 2013, 1195, 61-97.   | 0.9  | 12        |
| 2844 | Genome-wide <scp>DNA</scp> methylation patterns in discordant sib pairs with alcohol dependence. <i>Asia-Pacific Psychiatry</i> , 2013, 5, 39-50.  | 2.2  | 47        |
| 2845 | Assessment of gene expression in peripheral blood using RNAseq before and after weight restoration in anorexia nervosa. <i>Psychiatry Research</i> , 2013, 210, 287-293.   | 3.3  | 9         |
| 2846 | Dual Pten/Tp53 Suppression Promotes Sarcoma Progression by Activating Notch Signaling. <i>American Journal of Pathology</i> , 2013, 182, 2015-2027.  | 3.8  | 21        |
| 2847 | Neonatal mesenchymal-like cells adapt to surrounding cells. <i>Stem Cell Research</i> , 2013, 11, 634-646.   | 0.7  | 9         |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2848 | Spatial transcriptional profile of the chick and mouse endocardial cushions identify novel regulators of endocardial EMT in vitro. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 59, 196-204.         | 1.9  | 37        |
| 2849 | Family-wide Investigation of PDZ Domain-Mediated Protein-Protein Interactions Implicates $\beta$ -Catenin in Maintaining the Integrity of Tight Junctions. <i>Chemistry and Biology</i> , 2013, 20, 816-827.        | 6.0  | 33        |
| 2850 | Transcriptional effects of inhibiting epidermal growth factor receptor in keratinocytes. <i>Dermatologica Sinica</i> , 2013, 31, 107-119.   | 0.5  | 7         |
| 2851 | Integrating GWASs and Human Protein Interaction Networks Identifies a Gene Subnetwork Underlying Alcohol Dependence. <i>American Journal of Human Genetics</i> , 2013, 93, 1027-1034.                               | 6.2  | 72        |
| 2852 | Dietary supplementation with resveratrol and/or docosahexaenoic acid alters hippocampal gene expression in adult C57Bl/6 mice. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1735-1740.                    | 4.2  | 16        |
| 2853 | Screening Preeclamptic Cord Plasma for Proteins Associated with Decreased Breast Cancer Susceptibility. <i>Genomics, Proteomics and Bioinformatics</i> , 2013, 11, 335-344.   | 6.9  | 7         |
| 2854 | Identification of Molecular Subtypes of Gastric Cancer With Different Responses to PI3-Kinase Inhibitors and 5-Fluorouracil. <i>Gastroenterology</i> , 2013, 145, 554-565.  | 1.3  | 381       |
| 2855 | Gender differences in the bronchoalveolar lavage cell proteome of patients with chronic obstructive pulmonary disease. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 743-751.e9.                   | 2.9  | 58        |
| 2856 | Associations between muscle gene expression pattern and technological and sensory meat traits highlight new biomarkers for pork quality assessment. <i>Meat Science</i> , 2013, 95, 744-754.                        | 5.5  | 29        |
| 2857 | Evolutionary conservation of the polyproline II conformation surrounding intrinsically disordered phosphorylation sites. <i>Protein Science</i> , 2013, 22, 405-417.  | 7.6  | 50        |
| 2858 | Transcriptome analysis reveals upregulation of bitter taste receptors in severe asthmatics. <i>European Respiratory Journal</i> , 2013, 42, 65-78.  | 6.7  | 130       |
| 2859 | Comparison of Whole-Genome DNA Methylation Patterns in Whole Blood, Saliva, and Lymphoblastoid Cell Lines. <i>Behavior Genetics</i> , 2013, 43, 168-176.  | 2.1  | 68        |
| 2860 | Identification of human plasma proteins associated with the cell wall of the pathogenic fungus <i>Paracoccidioides brasiliensis</i> . <i>FEMS Microbiology Letters</i> , 2013, 341, 87-95.                          | 1.8  | 8         |
| 2861 | Accelerated gene evolution through replication-transcription conflicts. <i>Nature</i> , 2013, 495, 512-515.   | 27.8 | 120       |
| 2862 | The neuron-specific chromatin regulatory subunit BAF53b is necessary for synaptic plasticity and memory. <i>Nature Neuroscience</i> , 2013, 16, 552-561.  | 14.8 | 213       |
| 2863 | The $\beta$ -Crystallin Domain of Small Heat Shock Protein b8 (Hspb8) Acts as Survival and Differentiation Factor in Adult Hippocampal Neurogenesis. <i>Journal of Neuroscience</i> , 2013, 33, 5785-5796.          | 3.6  | 27        |
| 2864 | The formation of an organic coat and the release of corrosion microparticles from metallic magnesium implants. <i>Acta Biomaterialia</i> , 2013, 9, 7580-7589.  | 8.3  | 42        |
| 2865 | A Dynamic Bronchial Airway Gene Expression Signature of Chronic Obstructive Pulmonary Disease and Lung Function Impairment. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 933-942. | 5.6  | 142       |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2866 | SH3 interactome conserves general function over specific form. <i>Molecular Systems Biology</i> , 2013, 9, 652.   | 7.2  | 61        |
| 2867 | Mapping the Human miRNA Interactome by CLASH Reveals Frequent Noncanonical Binding. <i>Cell</i> , 2013, 153, 654-665.   | 28.9 | 1,164     |
| 2868 | The Disruption of <i>Celf6</i> , a Gene Identified by Translational Profiling of Serotonergic Neurons, Results in Autism-Related Behaviors. <i>Journal of Neuroscience</i> , 2013, 33, 2732-2753.   | 3.6  | 88        |
| 2869 | Comparison of TCDD-elicited genome-wide hepatic gene expression in Sprague-Dawley rats and C57BL/6 mice. <i>Toxicology and Applied Pharmacology</i> , 2013, 267, 184-191.   | 2.8  | 22        |
| 2870 | Global Proteomic Profiling and Enrichment Maps of Dilated Cardiomyopathy. <i>Methods in Molecular Biology</i> , 2013, 1005, 53-66.  | 0.9  | 1         |
| 2871 | Influenza A Infection of Primary Human Airway Epithelial Cells Up-Regulates Proteins Related to Purine Metabolism and Ubiquitin-Related Signaling. <i>Journal of Proteome Research</i> , 2013, 12, 3139-3151.   | 3.7  | 35        |
| 2872 | Skeletal muscle transcriptome profiles related to different training intensities and detraining in Standardbred horses: A search for overtraining biomarkers. <i>Veterinary Journal</i> , 2013, 197, 717-723.   | 1.7  | 5         |
| 2873 | Adult ovarian granulosa cell tumor transcriptomics: prevalence of FOXL2 target genes misregulation gives insights into the pathogenic mechanism of the p.Cys134Trp somatic mutation. <i>Oncogene</i> , 2013, 32, 2739-2746.   | 5.9  | 49        |
| 2874 | Proteomic analysis of balding and non-balding mesenchyme-derived dermal papilla cells from androgenetic alopecia patients using on-line two-dimensional reversed phase-reversed phase LC-MS/MS. <i>Journal of Proteomics</i> , 2013, 85, 174-191.   | 2.4  | 13        |
| 2875 | Transdifferentiation of mesenchymal stem cells-derived adipogenic-differentiated cells into osteogenic- or chondrogenic-differentiated cells proceeds via dedifferentiation and have a correlation with cell cycle arresting and driving genes. <i>Differentiation</i> , 2013, 85, 78-90. | 1.9  | 51        |
| 2876 | Impaired Transcriptional Response of the Murine Heart to Cigarette Smoke in the Setting of High Fat Diet and Obesity. <i>Chemical Research in Toxicology</i> , 2013, 26, 1034-1042.   | 3.3  | 11        |
| 2877 | Comparison of the differentiation potential of neural crest derived progenitor cells from apical papilla (dNC-PCs) and stem cells from exfoliated deciduous teeth (SHED) into mineralising cells. <i>Archives of Oral Biology</i> , 2013, 58, 699-706.                                    | 1.8  | 27        |
| 2878 | The Evolution of Lineage-Specific Regulatory Activities in the Human Embryonic Limb. <i>Cell</i> , 2013, 154, 185-196.  | 28.9 | 202       |
| 2879 | Regulation of IRS1/Akt insulin signaling by microRNA-128a during myogenesis. <i>Journal of Cell Science</i> , 2013, 126, 2678-91.   | 2.0  | 105       |
| 2880 | TFEB controls cellular lipid metabolism through a starvation-induced autoregulatory loop. <i>Nature Cell Biology</i> , 2013, 15, 647-658.   | 10.3 | 796       |
| 2881 | Glucocorticoid-Dependent Hippocampal Transcriptome in Male Rats: Pathway-Specific Alterations With Aging. <i>Endocrinology</i> , 2013, 154, 2807-2820.  | 2.8  | 30        |
| 2882 | <i>Escherichia coli</i> - and <i>Staphylococcus aureus</i> -induced mastitis differentially modulate transcriptional responses in neighbouring uninfected bovine mammary gland quarters. <i>BMC Genomics</i> , 2013, 14, 36.  | 2.8  | 125       |
| 2883 | Deep Sequencing of the Porcine Endometrial Transcriptome on Day 14 of Pregnancy1. <i>Biology of Reproduction</i> , 2013, 88, 84.  | 2.7  | 70        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2884 | Network-Based Multiple Sclerosis Pathway Analysis with GWAS Data from 15,000 Cases and 30,000 Controls. American Journal of Human Genetics, 2013, 92, 854-865.  | 6.2  | 164       |
| 2885 | Differences in gene expression profiles and carcinogenesis pathways involved in cisplatin resistance of four types of cancer. Oncology Reports, 2013, 30, 596-614.  | 2.6  | 5         |
| 2886 | Methylomics of gene expression in human monocytes. Human Molecular Genetics, 2013, 22, 5065-5074.   | 2.9  | 95        |
| 2887 | A NETWORK VIEW ON PARKINSON'S DISEASE. Computational and Structural Biotechnology Journal, 2013, 7, e201304004.   | 4.1  | 48        |
| 2888 | Potential antitumor mechanisms of phenothiazine drugs. Science China Life Sciences, 2013, 56, 1020-1027.  | 4.9  | 21        |
| 2889 | Wood chemistry analysis and expression profiling of a poplar clone expressing a tyrosine-rich peptide. Plant Cell Reports, 2013, 32, 1827-1841.   | 5.6  | 5         |
| 2890 | Transcriptional profiling identifies genes induced by hepatocyte-derived extracellular matrix in metastatic human colorectal cancer cell lines. Clinical and Experimental Metastasis, 2013, 30, 189-200.      | 3.3  | 19        |
| 2891 | Elevated Concentrations of Milk Î²2-Microglobulin Are Associated with Increased Risk of Breastfeeding Transmission of HIV-1 (Vertical Transmission Study). Journal of Proteome Research, 2013, 12, 5616-5625. | 3.7  | 8         |
| 2892 | Cancer-related marketing centrality motifs acting as pivot units in the human signaling network and mediating cross-talk between biological pathways. Molecular BioSystems, 2013, 9, 3026.                    | 2.9  | 13        |
| 2893 | Tracking recent adaptive evolution in microbial species using TimeZone. Nature Protocols, 2013, 8, 652-665.   | 12.0 | 23        |
| 2894 | Orientia tsutsugamushi, the causative agent of scrub typhus, induces an inflammatory program in human macrophages. Microbial Pathogenesis, 2013, 55, 55-63.   | 2.9  | 36        |
| 2895 | Loss of Phosphatase and Tensin Homolog (PTEN) Induces Leptin-mediated Leptin Gene Expression. Journal of Biological Chemistry, 2013, 288, 29821-29835.  | 3.4  | 32        |
| 2896 | Brain-Derived Neurotrophic Factor Signaling Rewrites the Glucocorticoid Transcriptome via Glucocorticoid Receptor Phosphorylation. Molecular and Cellular Biology, 2013, 33, 3700-3714.                       | 2.3  | 93        |
| 2897 | Transcriptome Changes in the Porcine Endometrium During the Preattachment Phase1. Biology of Reproduction, 2013, 89, 134.   | 2.7  | 67        |
| 2898 | Changes in Eutopic Endometrial Gene Expression During the Progression of Experimental Endometriosis in the Baboon, Papio Anubis1. Biology of Reproduction, 2013, 88, 44.                                      | 2.7  | 62        |
| 2899 | Prioritising risk pathways of complex human diseases based on functional profiling. European Journal of Human Genetics, 2013, 21, 666-672.  | 2.8  | 1         |
| 2900 | Hepatic Differentiation and Maturation of Human Embryonic Stem Cells Cultured in a Perfused Three-Dimensional Bioreactor. Stem Cells and Development, 2013, 22, 581-594.                                      | 2.1  | 56        |
| 2901 | Transcriptome Profiling Following Neuronal and Glial Expression of ALS-Linked SOD1 in <i>Drosophila</i> . G3: Genes, Genomes, Genetics, 2013, 3, 695-708.   | 1.8  | 23        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2902 | Systems biology of Ewing sarcoma: a network model of EWS-FLI1 effect on proliferation and apoptosis. <i>Nucleic Acids Research</i> , 2013, 41, 8853-8871.   | 14.5 | 45        |
| 2903 | Analysis of the cartilage proteome from three different mouse models of genetic skeletal diseases reveals common and discrete disease signatures. <i>Biology Open</i> , 2013, 2, 802-811.   | 1.2  | 12        |
| 2904 | Expression and Functional Pathway Analysis of Nuclear Receptor NR2F2 in Ovarian Cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1152-E1162.  | 3.6  | 37        |
| 2905 | Rat retinal transcriptome: Effects of aging and AMD-like retinopathy. <i>Cell Cycle</i> , 2013, 12, 1745-1761.  | 2.6  | 62        |
| 2906 | Next-Generation Sequencing of Small RNAs from HIV-Infected Cells Identifies Phased microRNA Expression Patterns and Candidate Novel microRNAs Differentially Expressed upon Infection. <i>MBio</i> , 2013, 4, e00549-12.                      | 4.1  | 48        |
| 2907 | Age-Specific Signatures of Glioblastoma at the Genomic, Genetic, and Epigenetic levels. , 2013, , .   |      | 0         |
| 2908 | Identification of gene sets and pathways associated with lactation performance in mice. <i>Physiological Genomics</i> , 2013, 45, 171-181.  | 2.3  | 15        |
| 2909 | Matrix Metalloproteinaseâ€“7 Coordinates Airway Epithelial Injury Response and Differentiation of Ciliated Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 48, 390-396.                                      | 2.9  | 36        |
| 2910 | p-Cresol sulfate and indoxyl sulfate induce similar cellular inflammatory gene expressions in cultured proximal renal tubular cells. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 70-78.  | 0.7  | 141       |
| 2911 | Oncogenic ETS fusions deregulate E2F3 target genes in Ewing sarcoma and prostate cancer. <i>Genome Research</i> , 2013, 23, 1797-1809.  | 5.5  | 99        |
| 2912 | Characterization of the rat developmental liver transcriptome. <i>Physiological Genomics</i> , 2013, 45, 301-311.   | 2.3  | 21        |
| 2913 | iBAG: integrative Bayesian analysis of high-dimensional multiplatform genomics data. <i>Bioinformatics</i> , 2013, 29, 149-159.   | 4.1  | 115       |
| 2914 | Divergent Protein Motifs Direct Elongation Factor P-Mediated Translational Regulation in Salmonella enterica and Escherichia coli. <i>MBio</i> , 2013, 4, e00180-13.  | 4.1  | 83        |
| 2915 | Chronic Hepatitis E Virus Infection Is Specifically Associated With an Interferon-Related Transcriptional Program. <i>Journal of Infectious Diseases</i> , 2013, 207, 125-132.  | 4.0  | 42        |
| 2916 | A Systems Biology-Based Investigation into the Pharmacological Mechanisms of Wu Tou Tang Acting on Rheumatoid Arthritis by Integrating Network Analysis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-12.     | 1.2  | 25        |
| 2917 | Dynamics of the <i>Saccharomyces cerevisiae</i> Transcriptome during Bread Dough Fermentation. <i>Applied and Environmental Microbiology</i> , 2013, 79, 7325-7333.   | 3.1  | 24        |
| 2918 | Transcriptional Profiling of Hilar Nodes from Pigs after Experimental Infection with <i>Actinobacillus Pleuropneumoniae</i> . <i>International Journal of Molecular Sciences</i> , 2013, 14, 23516-23532.                                     | 4.1  | 9         |
| 2919 | EV11 oncoprotein interacts with a large and complex network of proteins and integrates signals through protein phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2885-94. | 7.1  | 44        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2920 | FUS-regulated region- and cell-type-specific transcriptome is associated with cell selectivity in ALS/FTLD. Scientific Reports, 2013, 3, 2388.   | 3.3 | 41        |
| 2921 | Post-transcriptional regulation of myotube elongation and myogenesis by Hoi Polloi. Development (Cambridge), 2013, 140, 3645-3656.   | 2.5 | 41        |
| 2922 | Phylogeny, Functional Annotation, and Protein Interaction Network Analyses of theXenopus tropicalisBasic Helix-Loop-Helix Transcription Factors. BioMed Research International, 2013, 2013, 1-15.            | 1.9 | 3         |
| 2923 | Genes Related to Mitochondrial Functions, Protein Degradation, and Chromatin Folding Are Differentially Expressed in Lymphomonocytes of Rett Syndrome Patients. Mediators of Inflammation, 2013, 2013, 1-18. | 3.0 | 62        |
| 2924 | Sequential Waves of Gene Expression in Patients with Clinically Defined Dengue Illnesses Reveal Subtle Disease Phases and Predict Disease Severity. PLoS Neglected Tropical Diseases, 2013, 7, e2298.        | 3.0 | 64        |
| 2925 | The Conserved SKN-1/Nrf2 Stress Response Pathway Regulates Synaptic Function in Caenorhabditis elegans. PLoS Genetics, 2013, 9, e1003354.  | 3.5 | 61        |
| 2926 | The Interactomes of Influenza Virus NS1 and NS2 Proteins Identify New Host Factors and Provide Insights for ADAR1 Playing a Supportive Role in Virus Replication. PLoS Pathogens, 2013, 9, e1003440.         | 4.7 | 91        |
| 2927 | Multifunctional Double-negative T Cells in Sooty Mangabeys Mediate T-helper Functions Irrespective of SIV Infection. PLoS Pathogens, 2013, 9, e1003441.  | 4.7 | 29        |
| 2928 | Network-Based Inference Framework for Identifying Cancer Genes from Gene Expression Data. BioMed Research International, 2013, 2013, 1-12.   | 1.9 | 10        |
| 2929 | Significant Overexpression of DVL1 in Taiwanese Colorectal Cancer Patients with Liver Metastasis. International Journal of Molecular Sciences, 2013, 14, 20492-20507.  | 4.1 | 16        |
| 2930 | Serum-free culture success of glial tumors is related to specific molecular profiles and expression of extracellular matrix-associated gene modules. Neuro-Oncology, 2013, 15, 1684-1695.                    | 1.2 | 55        |
| 2931 | Decoding a Signature-Based Model of Transcription Cofactor Recruitment Dictated by Cardinal Cis-Regulatory Elements in Proximal Promoter Regions. PLoS Genetics, 2013, 9, e1003906.                          | 3.5 | 38        |
| 2932 | Genome-wide Analysis of Immune System Genes by Expressed Sequence Tag Profiling. Journal of Immunology, 2013, 190, 5578-5587.  | 0.8 | 14        |
| 2933 | The Escherichia coli Cpx Envelope Stress Response Regulates Genes of Diverse Function That Impact Antibiotic Resistance and Membrane Integrity. Journal of Bacteriology, 2013, 195, 2755-2767.               | 2.2 | 152       |
| 2934 | The histone H3.3K27M mutation in pediatric glioma reprograms H3K27 methylation and gene expression. Genes and Development, 2013, 27, 985-990.  | 5.9 | 570       |
| 2935 | A Genome-Wide Analysis of Open Chromatin in Human Epididymis Epithelial Cells Reveals Candidate Regulatory Elements for Genes Coordinating Epididymal Function1. Biology of Reproduction, 2013, 89, 104.     | 2.7 | 18        |
| 2936 | A meta-analysis study of gene expression datasets in mouse liver under PPARÎ± knockout. Genetical Research, 2013, 95, 78-88.   | 0.9 | 1         |
| 2937 | Lipids as Tumoricidal Components of Human Î±-Lactalbumin Made Lethal to Tumor Cells (HAMLET). Journal of Biological Chemistry, 2013, 288, 17460-17471.   | 3.4 | 19        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2938 | Delay and Impairment in Brain Development and Function in Rat Offspring After Maternal Exposure to Methylmercury. <i>Toxicological Sciences</i> , 2013, 133, 112-124.   | 3.1  | 25        |
| 2939 | A Synthetic TLR3 Ligand Mitigates Profibrotic Fibroblast Responses by Inducing Autocrine IFN Signaling. <i>Journal of Immunology</i> , 2013, 191, 2956-2966.  | 0.8  | 46        |
| 2940 | MicroRNA-16 affects key functions of human endothelial progenitor cells. <i>Journal of Leukocyte Biology</i> , 2013, 93, 645-655.   | 3.3  | 38        |
| 2941 | Identification of cell cycle-regulated genes periodically expressed in U2OS cells and their regulation by FOXM1 and E2F transcription factors. <i>Molecular Biology of the Cell</i> , 2013, 24, 3634-3650.                              | 2.1  | 154       |
| 2942 | The WASH complex, an endosomal Arp2/3 activator, interacts with the Hermansky-Pudlak syndrome complex BLOC-1 and its cargo phosphatidylinositol-4-kinase type II $\alpha$ . <i>Molecular Biology of the Cell</i> , 2013, 24, 2269-2284. | 2.1  | 101       |
| 2943 | NF-E2 p45 Is Important for Establishing Normal Function of Platelets. <i>Molecular and Cellular Biology</i> , 2013, 33, 2659-2670.  | 2.3  | 35        |
| 2944 | Computational Translation of Nonmammalian Species Data to Mammalian Species to Meet REACH and Next Generation Risk Assessment Needs. , 2013, , 113-136.   |      | 1         |
| 2945 | Influenza-Induced Inflammation Drives Pneumococcal Otitis Media. <i>Infection and Immunity</i> , 2013, 81, 645-652.   | 2.2  | 58        |
| 2946 | The search for biomarkers of human embryo developmental potential in IVF: a comprehensive proteomic approach. <i>Molecular Human Reproduction</i> , 2013, 19, 250-263.  | 2.8  | 34        |
| 2947 | Translational profiling of hypocretin neurons identifies candidate molecules for sleep regulation. <i>Genes and Development</i> , 2013, 27, 565-578.  | 5.9  | 87        |
| 2948 | Determination of Molecular Markers for BRCA1 and BRCA2 Heterozygosity Using Gene Expression Profiling. <i>Cancer Prevention Research</i> , 2013, 6, 82-90.  | 1.5  | 9         |
| 2949 | Graphite Web: web tool for gene set analysis exploiting pathway topology. <i>Nucleic Acids Research</i> , 2013, 41, W89-W97.  | 14.5 | 49        |
| 2950 | Depletion of FOXP3+ regulatory T cells promotes hypercholesterolemia and atherosclerosis. <i>Journal of Clinical Investigation</i> , 2013, 123, 1323-1334.  | 8.2  | 304       |
| 2951 | Different Patterns of Epstein-Barr Virus Latency in Endemic Burkitt Lymphoma (BL) Lead to Distinct Variants within the BL-Associated Gene Expression Signature. <i>Journal of Virology</i> , 2013, 87, 2882-2894.                       | 3.4  | 45        |
| 2952 | CDKN2B expression in adipose tissue of familial combined hyperlipidemia patients. <i>Journal of Lipid Research</i> , 2013, 54, 3491-3505.   | 4.2  | 23        |
| 2953 | Effects on Gene Expression in Rat Liver after Administration of RXR Agonists: UAB30, 4-Methyl-UAB30, and Targretin (Bexarotene). <i>Molecular Pharmacology</i> , 2013, 83, 698-708.   | 2.3  | 28        |
| 2954 | Meta-analysis of interspecies microarray sets of cardiac diseases revealed common and disease-specific signatures. <i>Animal Cells and Systems</i> , 2013, 17, 388-396.   | 2.2  | 0         |
| 2955 | Reverse engineering a mouse embryonic stem cell-specific transcriptional network reveals a new modulator of neuronal differentiation. <i>Nucleic Acids Research</i> , 2013, 41, 711-726.  | 14.5 | 24        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2956 | Analysis of disease-associated objects at the Rat Genome Database. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat046.  | 3.0  | 11        |
| 2957 | Autophagy and Cellular Senescence Mediated by Sox2 Suppress Malignancy of Cancer Cells. PLoS ONE, 2013, 8, e57172.  | 2.5  | 42        |
| 2958 | Peeling Back the Evolutionary Layers of Molecular Mechanisms Responsive to Exercise-Stress in the Skeletal Muscle of the Racing Horse. DNA Research, 2013, 20, 287-298.   | 3.4  | 20        |
| 2959 | Germinal centre protein HGAL promotes lymphoid hyperplasia and amyloidosis via BCR-mediated Syk activation. Nature Communications, 2013, 4, 1338.   | 12.8 | 37        |
| 2960 | Enhanced Tissue Regeneration Potential of Juvenile Articular Cartilage. American Journal of Sports Medicine, 2013, 41, 2658-2667.   | 4.2  | 42        |
| 2961 | Identification of Two Distinct Carcinoma-Associated Fibroblast Subtypes with Differential Tumor-Promoting Abilities in Oral Squamous Cell Carcinoma. Cancer Research, 2013, 73, 3888-3901.  | 0.9  | 133       |
| 2962 | Reduced Insulin/Insulin-like Growth Factor-1 Signaling and Dietary Restriction Inhibit Translation but Preserve Muscle Mass in Caenorhabditis elegans. Molecular and Cellular Proteomics, 2013, 12, 3624-3639.  | 3.8  | 79        |
| 2963 | Brain-Derived Neurotrophic Factor Signaling Rewrites the Glucocorticoid Transcriptome via Glucocorticoid Receptor Phosphorylation. Molecular and Cellular Biology, 2013, 33, 4138-4138.   | 2.3  | 42        |
| 2964 | A high-content, high-throughput siRNA screen identifies cyclin D2 as a potent regulator of muscle progenitor cell fusion and a target to enhance muscle regeneration. Human Molecular Genetics, 2013, 22, 3283-3295.  | 2.9  | 15        |
| 2965 | STAT3 promotes motor neuron differentiation by collaborating with motor neuron-specific LIM complex. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11445-11450.   | 7.1  | 35        |
| 2966 | A strategy to capture and characterize the synaptic transcriptome. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7464-7469.   | 7.1  | 49        |
| 2967 | Identifying Natural Substrates for Dipeptidyl Peptidases 8 and 9 Using Terminal Amine Isotopic Labeling of Substrates (TAILS) Reveals in Vivo Roles in Cellular Homeostasis and Energy Metabolism. Journal of Biological Chemistry, 2013, 288, 13936-13949. | 3.4  | 73        |
| 2968 | Collaborative Regulation of Development but Independent Control of Metabolism by Two Epidermis-specific Transcription Factors in Caenorhabditis elegans. Journal of Biological Chemistry, 2013, 288, 33411-33426.   | 3.4  | 29        |
| 2969 | Activin A Suppresses Osteoblast Mineralization Capacity by Altering Extracellular Matrix (ECM) Composition and Impairing Matrix Vesicle (MV) Production. Molecular and Cellular Proteomics, 2013, 12, 2890-2900.  | 3.8  | 57        |
| 2970 | Release of Severe Acute Respiratory Syndrome Coronavirus Nuclear Import Block Enhances Host Transcription in Human Lung Cells. Journal of Virology, 2013, 87, 3885-3902.  | 3.4  | 140       |
| 2971 | Metabolomic Dynamic Analysis of Hypoxia in MDA-MB-231 and the Comparison with Inferred Metabolites from Transcriptomics Data. Cancers, 2013, 5, 491-510.  | 3.7  | 14        |
| 2972 | Evaluation of Different Normalization and Analysis Procedures for Illumina Gene Expression Microarray Data Involving Small Changes. Microarrays (Basel, Switzerland), 2013, 2, 131-152.   | 1.4  | 12        |
| 2973 | Bioinformatics and Gene Network Analyses of the Swine Mammary Gland Transcriptome during Late Gestation. Bioinformatics and Biology Insights, 2013, 7, BBI.S12205.  | 2.0  | 13        |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2974 | A Mycâ€“microRNA network promotes exit from quiescence by suppressing the interferon response and cell-cycle arrest genes. <i>Nucleic Acids Research</i> , 2013, 41, 2239-2254.                      | 14.5 | 49        |
| 2975 | E2F2 and CREB cooperatively regulate transcriptional activity of cell cycle genes. <i>Nucleic Acids Research</i> , 2013, 41, 10185-10198.  | 14.5 | 45        |
| 2976 | Expression Patterns and Regulatory Functions of MicroRNAs During the Initiation of Primordial Follicle Development in the Neonatal Mouse Ovary1. <i>Biology of Reproduction</i> , 2013, 89, 126.     | 2.7  | 72        |
| 2977 | Sequential Binary Gene Ratio Tests Define a Novel Molecular Diagnostic Strategy for Malignant Pleural Mesothelioma. <i>Clinical Cancer Research</i> , 2013, 19, 2493-2502.                           | 7.0  | 27        |
| 2978 | Dissection of the Human Multipotent Adult Progenitor Cell Secretome by Proteomic Analysis. <i>Stem Cells Translational Medicine</i> , 2013, 2, 745-757.  | 3.3  | 35        |
| 2979 | Toxicogenomic Evaluation of Long-term Hepatic Effects of TCDD in Immature, Ovariectomized C57BL/6 Mice. <i>Toxicological Sciences</i> , 2013, 135, 465-475.  | 3.1  | 21        |
| 2980 | Tissue Inhibitor of Metalloproteinasesâ€“3 Moderates the Proinflammatory Status of Macrophages. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 768-777.               | 2.9  | 41        |
| 2981 | Review of Biological Network Data and Its Applications. <i>Genomics and Informatics</i> , 2013, 11, 200.   | 0.8  | 79        |
| 2982 | Modeling competing endogenous RNA regulatory networks in glioblastoma multiforme. , 2013, , .  |      | 5         |
| 2983 | CD8+Lymphocytes Suppress Human Immunodeficiency Virus 1 Replication by Secreting Type I Interferons. <i>Journal of Interferon and Cytokine Research</i> , 2013, 33, 632-645.                         | 1.2  | 8         |
| 2984 | Subcutaneous and gonadal adipose tissue transcriptome differences in lean and obese female dogs. <i>Animal Genetics</i> , 2013, 44, 728-735.   | 1.7  | 4         |
| 2985 | Noncanonical microRNAs and endogenous siRNAs in normal and psoriatic human skin. <i>Human Molecular Genetics</i> , 2013, 22, 737-748.  | 2.9  | 43        |
| 2986 | Skeletal muscle tissue transcriptome differences in lean and obese female beagle dogs. <i>Animal Genetics</i> , 2013, 44, 560-568.   | 1.7  | 7         |
| 2987 | Coordinated dysregulation of mRNAs and microRNAs in the rat medial prefrontal cortex following a history of alcohol dependence. <i>Pharmacogenomics Journal</i> , 2013, 13, 286-296.                 | 2.0  | 87        |
| 2988 | The identification of genetic pathways involved in vascular adaptations after physical deconditioning <i>versus</i> exercise training in humans. <i>Experimental Physiology</i> , 2013, 98, 710-721. | 2.0  | 16        |
| 2989 | An Overview of Synergistic Data Tools for Biological Scrutiny. <i>Israel Journal of Chemistry</i> , 2013, 53, 185-198.   | 2.3  | 5         |
| 2990 | Draft genome sequence of the Tibetan antelope. <i>Nature Communications</i> , 2013, 4, 1858.   | 12.8 | 229       |
| 2991 | Nonâ€“trisomic homeobox gene expression during craniofacial development in the Ts65Dn mouse model of Down syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2013, 161, 1866-1874.      | 1.2  | 11        |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2992 | Pathogenic mechanisms of influenza A(H1N1)pdm09 infection elucidated on gene expression profiling. <i>Pediatrics International</i> , 2013, 55, 572-577.  | 0.5  | 6         |
| 2993 | Alkaline Phosphatase ALPPL-2 Is a Novel Pancreatic Carcinoma-Associated Protein. <i>Cancer Research</i> , 2013, 73, 1934-1945.   | 0.9  | 80        |
| 2994 | Blood-based gene expression predictors of PTSD risk and resilience among deployed marines: A pilot study. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2013, 162, 313-326.                            | 1.7  | 63        |
| 2995 | Integrative Proteomic and Transcriptomic Analyses Reveal Multiple Post-transcriptional Regulatory Mechanisms of Mouse Spermatogenesis. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1144-1157.                                   | 3.8  | 70        |
| 2996 | Transcriptional response to stress in the dynamic chromatin environment of cycling and mitotic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3388-97.                      | 7.1  | 134       |
| 2997 | The Trithorax Group Protein Ash2l Is Essential for Pluripotency and Maintaining Open Chromatin in Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 5039-5048.   | 3.4  | 67        |
| 2998 | Coordinate Changes in Histone Modifications, mRNA Levels, and Metabolite Profiles in Clonal INS-1 832/13 Î²-Cells Accompany Functional Adaptations to Lipotoxicity. <i>Journal of Biological Chemistry</i> , 2013, 288, 11973-11987.     | 3.4  | 66        |
| 2999 | MicroRNAs miR-30b, miR-30d, and miR-494 Regulate Human Endometrial Receptivity. <i>Reproductive Sciences</i> , 2013, 20, 308-317.  | 2.5  | 169       |
| 3000 | Profiling of T helper cell-derived small RNAs reveals unique antisense transcripts and differential association of miRNAs with argonaute proteins 1 and 2. <i>Nucleic Acids Research</i> , 2013, 41, 1164-1177.                          | 14.5 | 20        |
| 3001 | Concise Review: New Paradigms for Down Syndrome Research Using Induced Pluripotent Stem Cells: Tackling Complex Human Genetic Disease. <i>Stem Cells Translational Medicine</i> , 2013, 2, 175-184.                                      | 3.3  | 13        |
| 3002 | Male-specific region of the bovine Y chromosome is gene rich with a high transcriptomic activity in testis development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12373-12378. | 7.1  | 73        |
| 3003 | Comparative Expression Analysis Reveals Lineage Relationships between Human and Murine Gliomas and a Dominance of Glial Signatures during Tumor Propagation <i>In Vitro</i> . <i>Cancer Research</i> , 2013, 73, 5834-5844.              | 0.9  | 28        |
| 3004 | E2F1 loss induces spontaneous tumour development in Rb-deficient epidermis. <i>Oncogene</i> , 2013, 32, 2937-2951.   | 5.9  | 19        |
| 3005 | Gene expression profiling by mRNA sequencing reveals increased expression of immune/inflammation-related genes in the hippocampus of individuals with schizophrenia. <i>Translational Psychiatry</i> , 2013, 3, e321-e321.               | 4.8  | 162       |
| 3006 | Inter-ethnic differences in lymphocyte sensitivity to glucocorticoids reflect variation in transcriptional response. <i>Pharmacogenomics Journal</i> , 2013, 13, 121-129.  | 2.0  | 26        |
| 3007 | ER stress-mediated apoptosis induced by celastrol in cancer cells and important role of glycogen synthase kinase-3Î² in the signal network. <i>Cell Death and Disease</i> , 2013, 4, e715-e715.  | 6.3  | 48        |
| 3008 | In serum veritasâ€”in serum sanitas? Cell non-autonomous aging compromises differentiation and survival of mesenchymal stromal cells via the oxidative stress pathway. <i>Cell Death and Disease</i> , 2013, 4, e970-e970.               | 6.3  | 45        |
| 3009 | 3,4-Dimethoxyphenyl Bis-benzimidazole Derivative, Mitigates Radiation-Induced DNA Damage. <i>Radiation Research</i> , 2013, 179, 647.  | 1.5  | 5         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3010 | Surface functionalities of gold nanoparticles impact embryonic gene expression responses. <i>Nanotoxicology</i> , 2013, 7, 192-201.  | 3.0 | 64        |
| 3011 | Reconstruction of novel transcription factor regulons through inference of their binding sites. , 2013, , .  |     | 0         |
| 3012 | PQBP1, a factor linked to intellectual disability, affects alternative splicing associated with neurite outgrowth. <i>Genes and Development</i> , 2013, 27, 615-626.   | 5.9 | 65        |
| 3013 | New Levels of Transcriptome Complexity at Upper Thermal Limits in Wild <i>Drosophila</i> Revealed by Exon Expression Analysis. <i>Genetics</i> , 2013, 195, 809-830.   | 2.9 | 38        |
| 3014 | Molecular Signatures in Skin Associated with Clinical Improvement during Mycophenolate Treatment in Systemic Sclerosis. <i>Journal of Investigative Dermatology</i> , 2013, 133, 1979-1989.  | 0.7 | 150       |
| 3015 | Whole-genome sequencing identifies recurrent mutations in hepatocellular carcinoma. <i>Genome Research</i> , 2013, 23, 1422-1433.  | 5.5 | 457       |
| 3016 | Network as biomarker. <i>Systems Biomedicine (Austin, Tex )</i> , 2013, 1, 35-41.  | 0.7 | 15        |
| 3017 | Gene-expression signatures differ between different clinical forms of familial hemophagocytic lymphohistiocytosis. <i>Blood</i> , 2013, 121, e14-e24.  | 1.4 | 20        |
| 3018 | Genome-scale expression and transcription factor binding profiles reveal therapeutic targets in transgenic ERG myeloid leukemia. <i>Blood</i> , 2013, 122, 2694-2703.  | 1.4 | 44        |
| 3019 | Co-Culture of Human Bone Marrow Stromal Cells with Endothelial Cells Alters Gene Expression Profiles. <i>International Journal of Artificial Organs</i> , 2013, 36, 650-662.   | 1.4 | 22        |
| 3020 | Metabolite and transcriptome analysis during fasting suggest a role for the p53-Ddit4 axis in major metabolic tissues. <i>BMC Genomics</i> , 2013, 14, 758.  | 2.8 | 65        |
| 3021 | Significant modulation of the hepatic proteome induced by exposure to low temperature in <i>Xenopus laevis</i> . <i>Biology Open</i> , 2013, 2, 1057-1069.   | 1.2 | 19        |
| 3022 | Global Gene Expression Analysis of Term Amniotic Fluid Cell-Free Fetal RNA. <i>Obstetrics and Gynecology</i> , 2013, 121, 1248-1254.   | 2.4 | 28        |
| 3023 | Integrative analysis of time course microarray data and DNA sequence data via log-linear models for identifying dynamic transcriptional regulatory networks. <i>International Journal of Data Mining and Bioinformatics</i> , 2013, 7, 38. | 0.1 | 1         |
| 3024 | FGFR2 signaling underlies p63 oncogenic function in squamous cell carcinoma. <i>Journal of Clinical Investigation</i> , 2013, 123, 3525-3538.  | 8.2 | 111       |
| 3025 | Neuron-Enriched Gene Expression Patterns are Regionally Anti-Correlated with Oligodendrocyte-Enriched Patterns in the Adult Mouse and Human Brain. <i>Frontiers in Neuroscience</i> , 2013, 7, 5.  | 2.8 | 23        |
| 3026 | An analysis and validation pipeline for large-scale RNAi-based screens. <i>Scientific Reports</i> , 2013, 3, 1076.   | 3.3 | 5         |
| 3027 | Mitigating effects of L-selenomethionine on low-dose iron ion radiation-induced changes in gene expression associated with cellular stress. <i>Oncology Letters</i> , 2013, 6, 35-42.  | 1.8 | 5         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3028 | Analysis of protein expression regulated by lumican in PANC-1 cells using shotgun proteomics. <i>Oncology Reports</i> , 2013, 30, 1609-1621.   | 2.6 | 10        |
| 3029 | Hypoxia Alters MicroRNA Expression in Rat Cortical Pericytes. <i>MicroRNA (Sharjah, United Arab)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10   | 1.2 | 35        |
| 3030 | Endometrial Receptivity: A Revisit to Functional Genomics Studies on Human Endometrium and Creation of HGEx-ERdb. <i>PLoS ONE</i> , 2013, 8, e58419.   | 2.5 | 59        |
| 3031 | Pathogen Induced Changes in the Protein Profile of Human Tears from Fusarium Keratitis Patients. <i>PLoS ONE</i> , 2013, 8, e53018.  | 2.5 | 48        |
| 3032 | DNA Methylation Dynamics in Blood after Hematopoietic Cell Transplant. <i>PLoS ONE</i> , 2013, 8, e56931.  | 2.5 | 24        |
| 3033 | Focused Examination of the Intestinal Epithelium Reveals Transcriptional Signatures Consistent with Disturbances in Enterocyte Maturation and Differentiation during the Course of SIV Infection. <i>PLoS ONE</i> , 2013, 8, e60122. | 2.5 | 18        |
| 3034 | Striatal Molecular Signature of Subchronic Subthalamic Nucleus High Frequency Stimulation in Parkinsonian Rat. <i>PLoS ONE</i> , 2013, 8, e60447.  | 2.5 | 18        |
| 3035 | RNA Profiles of Porcine Embryos during Genome Activation Reveal Complex Metabolic Switch Sensitive to In Vitro Conditions. <i>PLoS ONE</i> , 2013, 8, e61547.  | 2.5 | 21        |
| 3036 | Proteomic Characterization of Inbreeding-Related Cold Sensitivity in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2013, 8, e62680.   | 2.5 | 5         |
| 3037 | Age-Specific Signatures of Glioblastoma at the Genomic, Genetic, and Epigenetic Levels. <i>PLoS ONE</i> , 2013, 8, e62982.   | 2.5 | 49        |
| 3038 | Reduce Manual Curation by Combining Gene Predictions from Multiple Annotation Engines, a Case Study of Start Codon Prediction. <i>PLoS ONE</i> , 2013, 8, e63523.  | 2.5 | 12        |
| 3039 | Global Gene Expression Profiling of Individual Human Oocytes and Embryos Demonstrates Heterogeneity in Early Development. <i>PLoS ONE</i> , 2013, 8, e64192.   | 2.5 | 33        |
| 3040 | Influence of a Short-Term Iron-Deficient Diet on Hepatic Gene Expression Profiles in Rats. <i>PLoS ONE</i> , 2013, 8, e65732.  | 2.5 | 14        |
| 3041 | A Systems-Genetics Approach and Data Mining Tool to Assist in the Discovery of Genes Underlying Complex Traits in <i>Oryza sativa</i> . <i>PLoS ONE</i> , 2013, 8, e68551.   | 2.5 | 26        |
| 3042 | Effects of Fertility on Gene Expression and Function of the Bovine Endometrium. <i>PLoS ONE</i> , 2013, 8, e69444.   | 2.5 | 58        |
| 3043 | Proteomic and Systems Biology Analysis of the Monocyte Response to <i>Coxiella burnetii</i> Infection. <i>PLoS ONE</i> , 2013, 8, e69558.  | 2.5 | 7         |
| 3044 | Reverse Differentiation as a Gene Filtering Tool in Genome Expression Profiling of Adipogenesis for Fat Marker Gene Selection and Their Analysis. <i>PLoS ONE</i> , 2013, 8, e69754.   | 2.5 | 23        |
| 3045 | Partial Restoration of Macrophage Alteration from Diet-Induced Obesity in Response to <i>Porphyromonas gingivalis</i> Infection. <i>PLoS ONE</i> , 2013, 8, e70320.  | 2.5 | 5         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3046 | Prioritizing Disease Candidate Proteins in Cardiomyopathy-Specific Protein-Protein Interaction Networks Based on “Guilt by Association” Analysis. PLoS ONE, 2013, 8, e71191.    | 2.5 | 14        |
| 3047 | Mesenchymal Stem Cells from Human Umbilical Cord Express Preferentially Secreted Factors Related to Neuroprotection, Neurogenesis, and Angiogenesis. PLoS ONE, 2013, 8, e72604. | 2.5 | 252       |
| 3048 | HDAC1 and HDAC2 Restrain the Intestinal Inflammatory Response by Regulating Intestinal Epithelial Cell Differentiation. PLoS ONE, 2013, 8, e73785.                              | 2.5 | 84        |
| 3049 | Transcriptional Profiling of Human Monocytes Identifies the Inhibitory Receptor CD300a as Regulator of Transendothelial Migration. PLoS ONE, 2013, 8, e73981.                   | 2.5 | 7         |
| 3050 | The Genome-Wide Early Temporal Response of <i>Saccharomyces cerevisiae</i> to Oxidative Stress Induced by Cumene Hydroperoxide. PLoS ONE, 2013, 8, e74939.                      | 2.5 | 29        |
| 3051 | Genome-Wide Promoter Methylation of Small Renal Masses. PLoS ONE, 2013, 8, e77309.  | 2.5 | 13        |
| 3052 | The Human Placental Sexome Differs between Trophoblast Epithelium and Villous Vessel Endothelium. PLoS ONE, 2013, 8, e79233.  | 2.5 | 96        |
| 3053 | Computational Prediction of Human Salivary Proteins from Blood Circulation and Application to Diagnostic Biomarker Identification. PLoS ONE, 2013, 8, e80211.                   | 2.5 | 29        |
| 3054 | Urinary Prognostic Biomarkers and Classification of IgA Nephropathy by High Resolution Mass Spectrometry Coupled with Liquid Chromatography. PLoS ONE, 2013, 8, e80830.         | 2.5 | 73        |
| 3055 | Distinct MicroRNAs Expression Profile in Primary Biliary Cirrhosis and Evaluation of miR 505-3p and miR197-3p as Novel Biomarkers. PLoS ONE, 2013, 8, e66086.                   | 2.5 | 77        |
| 3056 | Infection with a Virulent Strain of <i>Wolbachia</i> Disrupts Genome Wide-Patterns of Cytosine Methylation in the Mosquito <i>Aedes aegypti</i> . PLoS ONE, 2013, 8, e66482.    | 2.5 | 57        |
| 3057 | Machine-Based Morphologic Analysis of Glioblastoma Using Whole-Slide Pathology Images Uncovers Clinically Relevant Molecular Correlates. PLoS ONE, 2013, 8, e81049.             | 2.5 | 91        |
| 3058 | Anticancer Agent Shikonin Is an Incompetent Inducer of Cancer Drug Resistance. PLoS ONE, 2013, 8, e52706.   | 2.5 | 51        |
| 3059 | A Genome-Wide Screen of CREB Occupancy Identifies the RhoA Inhibitors Par6C and Rnd3 as Regulators of BDNF-Induced Synaptogenesis. PLoS ONE, 2013, 8, e64658.                   | 2.5 | 57        |
| 3060 | Maximal information component analysis: a novel non-linear network analysis method. <i>Frontiers in Genetics</i> , 2013, 4, 28.   | 2.3 | 22        |
| 3061 | Construction and Analysis of the Cell Surface™s Protein Network for Human Sperm-Egg Interaction. , 2013, 2013, 1-8.   |     | 8         |
| 3062 | Phosphoproteomics-Based Characterization of Cancer Cell Signaling Networks. , 2013, , .   |     | 0         |
| 3063 | Protection Genes in Nucleus Accumbens Shell Affect Vulnerability to Nicotine Self-Administration across Isogenic Strains of Adolescent Rat. PLoS ONE, 2014, 9, e86214.          | 2.5 | 10        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3064 | Investigating the Different Mechanisms of Genotoxic and Non-Genotoxic Carcinogens by a Gene Set Analysis. PLoS ONE, 2014, 9, e86700.  | 2.5 | 11        |
| 3065 | Model Steatogenic Compounds (Amiodarone, Valproic Acid, and Tetracycline) Alter Lipid Metabolism by Different Mechanisms in Mouse Liver Slices. PLoS ONE, 2014, 9, e86795.  | 2.5 | 47        |
| 3066 | Differential Induction of TLR3-Dependent Innate Immune Signaling by Closely Related Parasite Species. PLoS ONE, 2014, 9, e88398.  | 2.5 | 57        |
| 3067 | Meta-Analysis of Pathway Enrichment: Combining Independent and Dependent Omics Data Sets. PLoS ONE, 2014, 9, e89297.  | 2.5 | 44        |
| 3068 | A Method for Predicting Protein-Protein Interaction Types. PLoS ONE, 2014, 9, e90904.   | 2.5 | 18        |
| 3069 | Integrated Analysis of DNA Methylation and RNA Transcriptome during In Vitro Differentiation of Human Pluripotent Stem Cells into Retinal Pigment Epithelial Cells. PLoS ONE, 2014, 9, e91416.  | 2.5 | 19        |
| 3070 | Studying the System-Level Involvement of MicroRNAs in Parkinson's Disease. PLoS ONE, 2014, 9, e93751.   | 2.5 | 21        |
| 3071 | Genes Influenced by the Non-Muscle Isoform of Myosin Light Chain Kinase Impact Human Cancer Prognosis. PLoS ONE, 2014, 9, e94325.   | 2.5 | 17        |
| 3072 | Systemic Inflammatory Response to Smoking in Chronic Obstructive Pulmonary Disease: Evidence of a Gender Effect. PLoS ONE, 2014, 9, e97491.   | 2.5 | 40        |
| 3073 | Human Endogenous Retrovirus-K(II) Envelope Induction Protects Neurons during HIV/AIDS. PLoS ONE, 2014, 9, e97984.   | 2.5 | 41        |
| 3074 | Intracellular Bacteria Interfere with Dendritic Cell Functions: Role of the Type I Interferon Pathway. PLoS ONE, 2014, 9, e99420.   | 2.5 | 64        |
| 3075 | Differential Transcriptional Effects of EGFR Inhibitors. PLoS ONE, 2014, 9, e102466.  | 2.5 | 12        |
| 3076 | SILAC-Based Proteomic Profiling of the Human MDA-MB-231 Metastatic Breast Cancer Cell Line in Response to the Two Antitumoral Lactoferrin Isoforms: The Secreted Lactoferrin and the Intracellular Delta-Lactoferrin. PLoS ONE, 2014, 9, e104563. | 2.5 | 11        |
| 3077 | Dynamic Modularity of Host Protein Interaction Networks in Salmonella Typhi Infection. PLoS ONE, 2014, 9, e104911.  | 2.5 | 6         |
| 3078 | Genetic and Epigenetic Changes in Chromosomally Stable and Unstable Progeny of Irradiated Cells. PLoS ONE, 2014, 9, e107722.  | 2.5 | 19        |
| 3079 | Transcriptomic Characterization of C57BL/6 Mouse Embryonic Stem Cell Differentiation and Its Modulation by Developmental Toxicants. PLoS ONE, 2014, 9, e108510.   | 2.5 | 14        |
| 3080 | Computational Surprisal Analysis Speeds-Up Genomic Characterization of Cancer Processes. PLoS ONE, 2014, 9, e108549.  | 2.5 | 3         |
| 3081 | Genome-Wide Microarray Expression and Genomic Alterations by Array-CGH Analysis in Neuroblastoma Stem-Like Cells. PLoS ONE, 2014, 9, e113105.   | 2.5 | 5         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3082 | Kismet Positively Regulates Glutamate Receptor Localization and Synaptic Transmission at the Drosophila Neuromuscular Junction. PLoS ONE, 2014, 9, e113494.   | 2.5 | 18        |
| 3083 | Transcriptome Analysis of Enterococcus faecalis during Mammalian Infection Shows Cells Undergo Adaptation and Exist in a Stringent Response State. PLoS ONE, 2014, 9, e115839.                                    | 2.5 | 35        |
| 3084 | Differential Network Analyses of Alzheimer's Disease Identify Early Events in Alzheimer's Disease Pathology. International Journal of Alzheimer's Disease, 2014, 2014, 1-18.                                      | 2.0 | 12        |
| 3085 | Cyclin D activates the Rb tumor suppressor by mono-phosphorylation. ELife, 2014, 3, .   | 6.0 | 332       |
| 3086 | Docetaxel-loaded solid lipid nanoparticles suppress breast cancer cells growth with reduced myelosuppression toxicity. International Journal of Nanomedicine, 2014, 9, 4829.                                      | 6.7 | 38        |
| 3087 | Myeloid decidual dendritic cells and immunoregulation of pregnancy: defective responsiveness to Coxiella burnetii and Brucella abortus. Frontiers in Cellular and Infection Microbiology, 2014, 4, 179.           | 3.9 | 17        |
| 3088 | Comparison of gene regulatory networks of benign and malignant breast cancer samples with normal samples. Genetics and Molecular Research, 2014, 13, 9453-9462.   | 0.2 | 3         |
| 3089 | Oligonucleotide microarray analysis reveals dysregulation of energy-related metabolism in insulin-sensitive tissues of type 2 diabetes patients. Genetics and Molecular Research, 2014, 13, 4494-4504.            | 0.2 | 8         |
| 3090 | Functional analysis of differentially expressed genes associated with glaucoma from DNA microarray data. Genetics and Molecular Research, 2014, 13, 9421-9428.  | 0.2 | 5         |
| 3091 | Changes in Rat Spinal Cord Gene Expression After Inflammatory Hyperalgesia of the Joint and Manual Therapy. Journal of Osteopathic Medicine, 2014, 114, 768-776.  | 0.8 | 7         |
| 3092 | Transduction motif analysis of gastric cancer based on a human signaling network. Brazilian Journal of Medical and Biological Research, 2014, 47, 369-375.  | 1.5 | 2         |
| 3093 | Proteomics-Based Identification of Differentially Abundant Proteins from Human Keratinocytes Exposed to Arsenic Trioxide. Journal of Proteomics and Bioinformatics, 2014, 07, 166-178.                            | 0.4 | 17        |
| 3094 | A Systems Biology View of the Spliceosome Component Phf5a in Relation to Estrogen and Cancer. Journal of Computer Science and Systems Biology, 2014, 07, .  | 0.0 | 0         |
| 3095 | Increased Survival despite Failure of Transplanted Human Hepatocyte Implantation into Liver Parenchyma of Nude Mice with Repeated Lethal Jo2-Induced Liver Deficiency. Cell Transplantation, 2014, 23, 1557-1572. | 2.5 | 2         |
| 3096 | Deep sequencing analysis of microRNA expression in porcine serum-induced hepatic fibrosis rats. Annals of Hepatology, 2014, 13, 439-449.  | 1.5 | 8         |
| 3097 | CGG repeats in RNA modulate expression of TDP-43 in mouse and fly models of fragile X tremor ataxia syndrome. Human Molecular Genetics, 2014, 23, 5906-5915.  | 2.9 | 21        |
| 3098 | A genome-wide scan for selection signatures in Yorkshire and Landrace pigs based on sequencing data. Animal Genetics, 2014, 45, 808-816.  | 1.7 | 19        |
| 3099 | Lipid Droplet Protein LID-1 Mediates ATGL-1-Dependent Lipolysis during Fasting in Caenorhabditis elegans. Molecular and Cellular Biology, 2014, 34, 4165-4176.  | 2.3 | 82        |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3100 | Epigenome-wide analysis of piRNAs in gene-specific DNA methylation. <i>RNA Biology</i> , 2014, 11, 1301-1312.  | 3.1  | 55        |
| 3101 | Proteomic alteration of PK-15 cells after infection by porcine circovirus type 2. <i>Virus Genes</i> , 2014, 49, 400-416.  | 1.6  | 10        |
| 3102 | Human Cytomegalovirus Modulates Monocyte-Mediated Innate Immune Responses during Short-Term Experimental Latency <i>&lt;i&gt;In Vitro&lt;/i&gt;</i> . <i>Journal of Virology</i> , 2014, 88, 9391-9405.                                | 3.4  | 41        |
| 3103 | Network-based analysis identifies epigenetic biomarkers of esophageal squamous cell carcinoma progression. <i>Bioinformatics</i> , 2014, 30, 3054-3061.  | 4.1  | 15        |
| 3104 | Discovery of new glomerular disease“relevant genes by translational profiling of podocytes in vivo. <i>Kidney International</i> , 2014, 86, 1116-1129.   | 5.2  | 36        |
| 3105 | Identifying candidate genes for discrimination of ulcerative colitis and Crohn“s disease. <i>Molecular Biology Reports</i> , 2014, 41, 6349-6355.  | 2.3  | 7         |
| 3106 | Calcifying vascular smooth muscle cells and osteoblasts: independent cell types exhibiting extracellular matrix and biomineralization-related mimics. <i>BMC Genomics</i> , 2014, 15, 965.   | 2.8  | 87        |
| 3107 | Identifying and mapping cell-type-specific chromatin programming of gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E645-54.                                      | 7.1  | 31        |
| 3108 | Proteomic analysis of human plasma in chronic rheumatic mitral stenosis reveals proteins involved in the complement and coagulation cascade. <i>Clinical Proteomics</i> , 2014, 11, 35.  | 2.1  | 17        |
| 3109 | Proteomic study reveals a functional network of cancer markers in the G1-Stage of the breast cancer cell cycle. <i>BMC Cancer</i> , 2014, 14, 710.   | 2.6  | 13        |
| 3111 | Liver transcriptome analysis in gilthead sea bream upon exposure to low temperature. <i>BMC Genomics</i> , 2014, 15, 765.  | 2.8  | 96        |
| 3112 | De novo prediction of cis-regulatory elements and modules through integrative analysis of a large number of ChIP datasets. <i>BMC Genomics</i> , 2014, 15, 1047.   | 2.8  | 11        |
| 3113 | Changes in renal medulla gene expression in a pre-clinical model of post cardiopulmonary bypass acute kidney injury. <i>BMC Genomics</i> , 2014, 15, 916.  | 2.8  | 12        |
| 3115 | Understanding disease mechanisms with models of signaling pathway activities. <i>BMC Systems Biology</i> , 2014, 8, 121.   | 3.0  | 42        |
| 3116 | Early transcriptional changes in the reef-building coral <i>Acropora aspera</i> in response to thermal and nutrient stress. <i>BMC Genomics</i> , 2014, 15, 1052.  | 2.8  | 67        |
| 3117 | ChIP-Enrich: gene set enrichment testing for ChIP-seq data. <i>Nucleic Acids Research</i> , 2014, 42, e105-e105.   | 14.5 | 136       |
| 3118 | Comprehensive analysis of microRNA-regulated protein interaction network reveals the tumor suppressive role of microRNA-149 in human hepatocellular carcinoma via targeting AKT-mTOR pathway. <i>Molecular Cancer</i> , 2014, 13, 253. | 19.2 | 85        |
| 3119 | Divergence of RNA localization between rat and mouse neurons reveals the potential for rapid brain evolution. <i>BMC Genomics</i> , 2014, 15, 883.   | 2.8  | 22        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3120 | Integrative genomics and transcriptomics analysis of human embryonic and induced pluripotent stem cells. <i>BioData Mining</i> , 2014, 7, 32.   | 4.0 | 2         |
| 3121 | Patterns of gene expression associated with recovery and injury in heat-stressed rats. <i>BMC Genomics</i> , 2014, 15, 1058.  | 2.8 | 34        |
| 3122 | The forkhead transcription factor FOXM1 promotes endocrine resistance and invasiveness in estrogen receptor-positive breast cancer by expansion of stem-like cancer cells. <i>Breast Cancer Research</i> , 2014, 16, 436. | 5.0 | 102       |
| 3123 | Expression profile of <i>Caenorhabditis elegans</i> mutant for the Werner syndrome gene ortholog reveals the impact of vitamin C on development to increase life span. <i>BMC Genomics</i> , 2014, 15, 940.               | 2.8 | 15        |
| 3124 | Integrative analysis of young genes, positively selected genes and lncRNAs in the development of <i>Drosophila melanogaster</i> . <i>BMC Evolutionary Biology</i> , 2014, 14, 241.  | 3.2 | 11        |
| 3125 | E2F1 Coregulates Cell Cycle Genes and Chromatin Components during the Transition of Oligodendrocyte Progenitors from Proliferation to Differentiation. <i>Journal of Neuroscience</i> , 2014, 34, 1481-1493.              | 3.6 | 64        |
| 3126 | Uncoupling reproduction from metabolism extends chronological lifespan in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1538-47.                            | 7.1 | 40        |
| 3127 | Kinome-wide screening of HER2+ breast cancer cells for molecules that mediate cell proliferation or sensitize cells to trastuzumab therapy. <i>Oncogenesis</i> , 2014, 3, e133-e133.                                      | 4.9 | 18        |
| 3128 | Impact of Hospital Variables on Case Mix Index as a Marker of Disease Severity. <i>Population Health Management</i> , 2014, 17, 28-34.  | 1.7 | 85        |
| 3129 | Finding Novel Molecular Connections between Developmental Processes and Disease. <i>PLoS Computational Biology</i> , 2014, 10, e1003578.  | 3.2 | 10        |
| 3130 | Gene expression profile analysis for different idiopathic interstitial pneumonias subtypes. <i>Experimental Lung Research</i> , 2014, 40, 367-379.  | 1.2 | 13        |
| 3131 | Identification of overexpressed genes in <i>Sodalis glossinidius</i> inhabiting trypanosome-infected self-cured tsetse flies. <i>Frontiers in Microbiology</i> , 2014, 5, 255.  | 3.5 | 6         |
| 3132 | Pivotal role of IL-6 in the hyperinflammatory responses to subacute ozone in adiponectin-deficient mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L508-L520.           | 2.9 | 22        |
| 3133 | Regulation of Synaptic nlg-1/Neuroigin Abundance by the skn-1/Nrf Stress Response Pathway Protects against Oxidative Stress. <i>PLoS Genetics</i> , 2014, 10, e1004100.   | 3.5 | 45        |
| 3134 | Dopamine Signaling Leads to Loss of Polycomb Repression and Aberrant Gene Activation in Experimental Parkinsonism. <i>PLoS Genetics</i> , 2014, 10, e1004574.   | 3.5 | 49        |
| 3135 | Immunology of Bats and Their Viruses: Challenges and Opportunities. <i>Viruses</i> , 2014, 6, 4880-4901.  | 3.3 | 87        |
| 3136 | Tungstate promotes $\beta$ -cell survival in <i>lrs2</i> <sup>Δ</sup> mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E36-E47.  | 3.5 | 17        |
| 3137 | Urinary Prognostic Biomarkers in Patients With Focal Segmental Glomerulosclerosis. <i>Nephro-Urology Monthly</i> , 2014, 6, e16806.   | 0.1 | 24        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3138 | Long Non-Coding RNA and Alternative Splicing Modulations in Parkinson's Leukocytes Identified by RNA Sequencing. PLoS Computational Biology, 2014, 10, e1003517.  | 3.2  | 167       |
| 3139 | The Genomic Architecture of Population Divergence between Subspecies of the European Rabbit. PLoS Genetics, 2014, 10, e1003519.   | 3.5  | 82        |
| 3140 | Pathogenesis analysis of pituitary adenoma based on gene expression profiling. Oncology Letters, 2014, 8, 2423-2430.  | 1.8  | 10        |
| 3141 | Learning Dysregulated Pathways in Cancers from Differential Variability Analysis. Cancer Informatics, 2014, 13s5, CIN.S14066.   | 1.9  | 37        |
| 3142 | Deep Sequencing-Based Identification of Small Regulatory RNAs in Synechocystis sp. PCC 6803. PLoS ONE, 2014, 9, e92711.   | 2.5  | 28        |
| 3143 | Molecular Mechanisms of Hypoxic Responses via Unique Roles of Ras1, Cdc24 and Ptp3 in a Human Fungal Pathogen Cryptococcus neoformans. PLoS Genetics, 2014, 10, e1004292.   | 3.5  | 14        |
| 3144 | Selective nuclear export of specific classes of mRNA from mammalian nuclei is promoted by GANP. Nucleic Acids Research, 2014, 42, 5059-5071.  | 14.5 | 64        |
| 3145 | Epigenome-Guided Analysis of the Transcriptome of Plaque Macrophages during Atherosclerosis Regression Reveals Activation of the Wnt Signaling Pathway. PLoS Genetics, 2014, 10, e1004828.                        | 3.5  | 31        |
| 3146 | COE Loss-of-Function Analysis Reveals a Genetic Program Underlying Maintenance and Regeneration of the Nervous System in Planarians. PLoS Genetics, 2014, 10, e1004746.   | 3.5  | 43        |
| 3147 | â€™Omics-Based Testing for Direct Immunotoxicity. , 2014, , 89-124.   |      | 1         |
| 3148 | Optimization and Analysis of Seriation Algorithm for Ordering Protein Networks. , 2014, , .   |      | 3         |
| 3149 | Drug-induced liver injury classification model based on in vitro human transcriptomics and in vivo rat clinical chemistry data. Systems Biomedicine (Austin, Tex ), 2014, 2, 63-70.                               | 0.7  | 10        |
| 3150 | Transcriptional profiling of the postnatal brain of the Ts1Cje mouse model of Down syndrome. Genomics Data, 2014, 2, 314-317.   | 1.3  | 3         |
| 3151 | Common Mechanisms Underlying Refractive Error Identified in Functional Analysis of Gene Lists From Genome-Wide Association Study Results in 2 European British Cohorts. JAMA Ophthalmology, 2014, 132, 50.        | 2.5  | 23        |
| 3152 | Inactivation of the budding yeast cohesin loader Scc2 alters gene expression both globally and in response to a single DNA double strand break. Cell Cycle, 2014, 13, 3645-3658.                                  | 2.6  | 11        |
| 3153 | Integrated Omic Analysis of Oropharyngeal Carcinomas Reveals Human Papillomavirus (HPV)â€™dependent Regulation of the Activator Protein 1 (AP-1) Pathway. Molecular and Cellular Proteomics, 2014, 13, 3572-3584. | 3.8  | 19        |
| 3154 | Biological pathway selection through Bayesian integrative modeling. Statistical Applications in Genetics and Molecular Biology, 2014, 13, 435-57.   | 0.6  | 1         |
| 3155 | Genetic Factors Involved in Susceptibility to Lung Disease. , 2014, , 369-384.  |      | 0         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3156 | Cell-type specific transcriptomic profiling to dissect mechanisms of differential dendritogenesis. <i>Genomics Data</i> , 2014, 2, 378-381.   | 1.3  | 5         |
| 3157 | Muscle ring finger 1 and muscle ring finger 2 are necessary but functionally redundant during developmental cardiac growth and regulate E2F1-mediated gene expression <i>in vivo</i> . <i>Cell Biochemistry and Function</i> , 2014, 32, 39-50. | 2.9  | 36        |
| 3158 | Establishment of a proteomic profile associated with gonocyte and spermatogonial stem cell maturation and differentiation in neonatal mice. <i>Proteomics</i> , 2014, 14, 274-285.  | 2.2  | 25        |
| 3159 | Fam40b is required for lineage commitment of murine embryonic stem cells. <i>Cell Death and Disease</i> , 2014, 5, e1320-e1320.   | 6.3  | 19        |
| 3160 | Constructing protein-protein interaction network of hypertension with blood stasis syndrome via digital gene expression sequencing and database mining. <i>Journal of Integrative Medicine</i> , 2014, 12, 476-482.                             | 3.1  | 5         |
| 3161 | Dexmedetomidine preconditioning ameliorates kidney ischemia-reperfusion injury. <i>Pharmacology Research and Perspectives</i> , 2014, 2, e00045.  | 2.4  | 61        |
| 3162 | A systematic review of microRNA expression profiling studies in human gastric cancer. <i>Cancer Medicine</i> , 2014, 3, 878-888.  | 2.8  | 125       |
| 3163 | Molecular Aspects of Adipoepithelial Transdifferentiation in Mouse Mammary Gland. <i>Stem Cells</i> , 2014, 32, 2756-2766.  | 3.2  | 47        |
| 3164 | Transcriptional profiling predicts overwhelming homology of schwann cells, olfactory ensheathing cells, and schwann cell-like glia. <i>Glia</i> , 2014, 62, 1559-1581.  | 4.9  | 32        |
| 3165 | Upregulation of MMP12 and Its Activity by UVA1 in Human Skin: Potential Implications for Photoaging. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2598-2609.  | 0.7  | 62        |
| 3166 | Melatonin prevents maternal fructose intake-induced programmed hypertension in the offspring: roles of nitric oxide and arachidonic acid metabolites. <i>Journal of Pineal Research</i> , 2014, 57, 80-89.                                      | 7.4  | 80        |
| 3167 | In-Depth Quantitative Proteomic Analysis of de Novo Protein Synthesis Induced by Brain-Derived Neurotrophic Factor. <i>Journal of Proteome Research</i> , 2014, 13, 5707-5714.  | 3.7  | 45        |
| 3168 | Identifying progression related disease risk modules based on the human subcellular signaling networks. <i>Molecular BioSystems</i> , 2014, 10, 3298-3309.  | 2.9  | 2         |
| 3169 | A system-level model for the microbial regulatory genome. <i>Molecular Systems Biology</i> , 2014, 10, 740.   | 7.2  | 64        |
| 3170 | Expression differences between African American and Caucasian prostate cancer tissue reveals that stroma is the site of aggressive changes. <i>International Journal of Cancer</i> , 2014, 134, 81-91.  | 5.1  | 67        |
| 3171 | Alpha-mangostin promotes myoblast differentiation by modulating the gene-expression profile in C2C12 cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 1923-1929.  | 1.3  | 3         |
| 3172 | Profiling human protein degradome delineates cellular responses to proteasomal inhibition and reveals a feedback mechanism in regulating proteasome homeostasis. <i>Cell Research</i> , 2014, 24, 1214-1230.                                    | 12.0 | 13        |
| 3173 | Extensive Differences in Gene Expression Between Symbiotic and Aposymbiotic Cnidarians. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 277-295.   | 1.8  | 150       |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3174 | Transcriptomic signatures of peroxisome proliferator-activated receptor $\alpha$ (PPAR $\alpha$ ) in different mouse liver models identify novel aspects of its biology. BMC Genomics, 2014, 15, 1106.                       | 2.8  | 33        |
| 3175 | Benzo "Equation missing" <!-- No EquationSource Format="TEX", only image -->pyrene-induced DNA adducts and gene expression profiles in target and non-target organs for carcinogenesis in mice. BMC Genomics, 2014, 15, 880. | 2.8  | 44        |
| 3176 | Predictive urinary biomarkers for steroid-resistant and steroid-sensitive focal segmental glomerulosclerosis using high resolution mass spectrometry and multivariate statistical analysis. BMC Nephrology, 2014, 15, 141.   | 1.8  | 30        |
| 3177 | A whole genomic scan to detect selection signatures between Berkshire and Korean native pig breeds. Journal of Animal Science and Technology, 2014, 56, 23.  | 2.5  | 19        |
| 3178 | Identification of skin-expressed genes possibly associated with wool growth regulation of Aohan fine wool sheep. BMC Genetics, 2014, 15, 144.  | 2.7  | 16        |
| 3179 | Differential microRNA expression following infection with a mouse-adapted, highly virulent avian H5N2 virus. BMC Microbiology, 2014, 14, 252.  | 3.3  | 42        |
| 3180 | Comparative iron oxide nanoparticle cellular dosimetry and response in mice by the inhalation and liquid cell culture exposure routes. Particle and Fibre Toxicology, 2014, 11, 46.  | 6.2  | 49        |
| 3181 | Cell Type-Specific Expression Analysis to Identify Putative Cellular Mechanisms for Neurogenetic Disorders. Journal of Neuroscience, 2014, 34, 1420-1431.  | 3.6  | 261       |
| 3182 | A proof-of-concept study. Psychiatric Genetics, 2014, 24, 1-9.   | 1.1  | 16        |
| 3183 | Ischemic postconditioning alters the gene expression pattern of the ischemic heart. Experimental Biology and Medicine, 2014, 239, 141-150.   | 2.4  | 7         |
| 3184 | <i>miR-125b</i> can enhance skin tumor initiation and promote malignant progression by repressing differentiation and prolonging cell survival. Genes and Development, 2014, 28, 2532-2546.                                  | 5.9  | 52        |
| 3185 | Selective Activity of the Histone Deacetylase Inhibitor AR-42 against Leukemia Stem Cells: A Novel Potential Strategy in Acute Myelogenous Leukemia. Molecular Cancer Therapeutics, 2014, 13, 1979-1990.                     | 4.1  | 49        |
| 3186 | The analysis of functional modules in primary cardiomyopathies. , 2014, , .  |      | 0         |
| 3187 | Natural variation in the histone demethylase, <i>KDM4C</i>, influences expression levels of specific genes including those that affect cell growth. Genome Research, 2014, 24, 52-63.  | 5.5  | 29        |
| 3188 | Noise exposure immediately activates cochlear mitogen-activated protein kinase signaling. Noise and Health, 2014, 16, 400.   | 0.5  | 25        |
| 3189 | Noval1 is a master regulator of alternative splicing in pancreatic beta cells. Nucleic Acids Research, 2014, 42, 11818-11830.  | 14.5 | 71        |
| 3190 | Pharmacogenomic predictors of citalopram treatment outcome in major depressive disorder. World Journal of Biological Psychiatry, 2014, 15, 135-144.  | 2.6  | 23        |
| 3191 | Analysis of microRNAs in patients with systemic lupus erythematosus, using Solexa deep sequencing. Connective Tissue Research, 2014, 55, 187-196.  | 2.3  | 9         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3192 | Dysferlin Mediates the Cytoprotective Effects of TRAF2 Following Myocardial Ischemia Reperfusion Injury. <i>Journal of the American Heart Association</i> , 2014, 3, e000662.   | 3.7  | 30        |
| 3193 | Ets homologous factor regulates pathways controlling response to injury in airway epithelial cells. <i>Nucleic Acids Research</i> , 2014, 42, 13588-13598.  | 14.5 | 38        |
| 3194 | The Novel Diagnostic Biomarkers for Focal Segmental Glomerulosclerosis. <i>International Journal of Nephrology</i> , 2014, 2014, 1-10.  | 1.3  | 23        |
| 3195 | Comparison of Metabolic Network between Muscle and Intramuscular Adipose Tissues in Hanwoo Beef Cattle Using a Systems Biology Approach. <i>International Journal of Genomics</i> , 2014, 2014, 1-6.  | 1.6  | 19        |
| 3196 | Conditional Genetic Interactions of <i>RTT107</i> , <i>SLX4</i> , and <i>HRQ1</i> Reveal Dynamic Networks upon DNA Damage in <i>S. cerevisiae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1059-1069.   | 1.8  | 13        |
| 3197 | Identification of molecular sub-networks associated with cell survival in a chronically SIVmac-infected human CD4+ T cell line. <i>Virology Journal</i> , 2014, 11, 152.  | 3.4  | 5         |
| 3198 | Stress-induced changes in gene interactions in human cells. <i>Nucleic Acids Research</i> , 2014, 42, 1757-1771.  | 14.5 | 20        |
| 3199 | Cell cycle-dependent regulation of the RNA-binding protein Stauf1. <i>Nucleic Acids Research</i> , 2014, 42, 7867-7883.   | 14.5 | 35        |
| 3200 | Gene expression of peripheral blood cells reveals pathways downstream of glucocorticoid receptor antagonism and nab-paclitaxel treatment. <i>Pharmacogenetics and Genomics</i> , 2014, 24, 451-458.   | 1.5  | 1         |
| 3201 | Complete Dosage Compensation and Sex-Biased Gene Expression in the Moth <i>Manduca sexta</i> . <i>Genome Biology and Evolution</i> , 2014, 6, 526-537.  | 2.5  | 52        |
| 3202 | Wnt signalling in an <i>in vitro</i> niche model for conjunctival progenitor cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 969-977.  | 2.7  | 10        |
| 3203 | Random forest fishing: a novel approach to identifying organic group of risk factors in genome-wide association studies. <i>European Journal of Human Genetics</i> , 2014, 22, 254-259.   | 2.8  | 6         |
| 3204 | Mutations in <i>USP9X</i> Are Associated with X-Linked Intellectual Disability and Disrupt Neuronal Cell Migration and Growth. <i>American Journal of Human Genetics</i> , 2014, 94, 470-478.   | 6.2  | 117       |
| 3205 | The transcriptional signatures of <i>Sodalis glossinidius</i> in the <i>Glossina palpalis gambiense</i> flies negative for <i>Trypanosoma brucei gambiense</i> contrast with those of this symbiont in tsetse flies positive for the parasite: Possible involvement of a <i>Sodalis</i> -hosted prophage in fly <i>Trypanosoma</i> refractoriness?. <i>Infection, Genetics and Evolution</i> , 2014, 24, 41-56. | 2.3  | 24        |
| 3206 | Gestational diabetes mellitus alters apoptotic and inflammatory gene expression of trophoblasts from human term placenta. <i>Journal of Diabetes and Its Complications</i> , 2014, 28, 448-459.   | 2.3  | 61        |
| 3207 | Comprehensive DNA methylation analysis of human neuroblastoma cells treated with blonanserin. <i>Neuroscience Letters</i> , 2014, 563, 123-128.   | 2.1  | 20        |
| 3208 | Impact of final oocyte maturation using gonadotropin-releasing hormone agonist triggering and different luteal support protocols on endometrial gene expression. <i>Fertility and Sterility</i> , 2014, 101, 138-146.e3.  | 1.0  | 25        |
| 3209 | Pathway-based Analysis of the Hidden Genetic Heterogeneities in Cancers. <i>Genomics, Proteomics and Bioinformatics</i> , 2014, 12, 31-38.  | 6.9  | 6         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3210 | Early life perfluorooctanesulphonic acid (PFOS) exposure impairs zebrafish organogenesis. <i>Aquatic Toxicology</i> , 2014, 150, 124-132.  | 4.0  | 53        |
| 3211 | Integration of gene expression data with network-based analysis to identify signaling and metabolic pathways regulated during the development of osteoarthritis. <i>Gene</i> , 2014, 542, 38-45.                       | 2.2  | 47        |
| 3212 | COL11A1 promotes tumor progression and predicts poor clinical outcome in ovarian cancer. <i>Oncogene</i> , 2014, 33, 3432-3440.  | 5.9  | 176       |
| 3213 | Sho-saiko-to, a traditional herbal medicine, regulates gene expression and biological function by way of microRNAs in primary mouse hepatocytes. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 14.     | 3.7  | 13        |
| 3214 | Differentially expressed microRNAs in the serum of cervical squamous cell carcinoma patients before and after surgery. <i>Journal of Hematology and Oncology</i> , 2014, 7, 6.   | 17.0 | 51        |
| 3215 | FUT11 as a potential biomarker of clear cell renal cell carcinoma progression based on meta-analysis of gene expression data. <i>Tumor Biology</i> , 2014, 35, 2607-2617.  | 1.8  | 34        |
| 3216 | Identification of Differentially Coexpressed Genes in Gonadotrope Tumors and Normal Pituitary Using Bioinformatics Methods. <i>Pathology and Oncology Research</i> , 2014, 20, 375-380.                                | 1.9  | 7         |
| 3217 | Discovery of Consensus Gene Signature and Intermodular Connectivity Defining Self-Renewal of Human Embryonic Stem Cells. <i>Stem Cells</i> , 2014, 32, 1468-1479.  | 3.2  | 22        |
| 3218 | Differential Transcriptomic Analysis by RNA-Seq of GSNO-Responsive Genes Between Arabidopsis Roots and Leaves. <i>Plant and Cell Physiology</i> , 2014, 55, 1080-1095.   | 3.1  | 124       |
| 3219 | RNA-seq analysis revealed novel genes and signaling pathway associated with disease resistance to avian influenza virus infection in chickens. <i>Poultry Science</i> , 2014, 93, 485-493.                             | 3.4  | 97        |
| 3220 | Toxicity assessment of chlorinated wastewater effluents by using transcriptome-based bioassays and Fourier transform mass spectrometry (FT-MS) analysis. <i>Water Research</i> , 2014, 52, 73-82.                      | 11.3 | 25        |
| 3221 | Regulation network and expression profiles of Epstein-Barr virus-encoded microRNAs and their potential target host genes in nasopharyngeal carcinomas. <i>Science China Life Sciences</i> , 2014, 57, 315-326.         | 4.9  | 66        |
| 3222 | Unique features of the transcriptional response to model aneuploidy in human cells. <i>BMC Genomics</i> , 2014, 15, 139.   | 2.8  | 87        |
| 3223 | DFLAT: functional annotation for human development. <i>BMC Bioinformatics</i> , 2014, 15, 45.  | 2.6  | 27        |
| 3224 | Induction of polyploidy by nuclear fusion mechanism upon decreased expression of the nuclear envelope protein LAP2 <sup>l2</sup> in the human osteosarcoma cell line U2OS. <i>Molecular Cytogenetics</i> , 2014, 7, 9. | 0.9  | 9         |
| 3225 | Genome-wide methylation profiling of ADPKD identified epigenetically regulated genes associated with renal cyst development. <i>Human Genetics</i> , 2014, 133, 281-297.   | 3.8  | 52        |
| 3226 | Gene expression profiling of mesenteric lymph nodes from sheep with natural scrapie. <i>BMC Genomics</i> , 2014, 15, 59.   | 2.8  | 27        |
| 3227 | PRMT5 is Required for Human Embryonic Stem Cell Proliferation But Not Pluripotency. <i>Stem Cell Reviews and Reports</i> , 2014, 10, 230-239.  | 5.6  | 34        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3228 | Molecular sub-group-specific immunophenotypic changes are associated with outcome in recurrent posterior fossa ependymoma. <i>Acta Neuropathologica</i> , 2014, 127, 731-745.                             | 7.7  | 73        |
| 3229 | Comprehensive analysis of gene expression in human retina and supporting tissues. <i>Human Molecular Genetics</i> , 2014, 23, 4001-4014.  | 2.9  | 109       |
| 3230 | Computational gene network study on antibiotic resistance genes of <i>Acinetobacter baumannii</i> . <i>Computers in Biology and Medicine</i> , 2014, 48, 17-27.   | 7.0  | 27        |
| 3231 | Impact of gestational chronodisruption on fetal cardiac genomics. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 66, 1-11.   | 1.9  | 23        |
| 3232 | Review on statistical methods for gene network reconstruction using expression data. <i>Journal of Theoretical Biology</i> , 2014, 362, 53-61.  | 1.7  | 160       |
| 3233 | c-Myc-dependent transcriptional regulation of cell cycle and nucleosomal histones during oligodendrocyte differentiation. <i>Neuroscience</i> , 2014, 276, 72-86.   | 2.3  | 35        |
| 3234 | Integrative analysis of histone ChIP-seq and transcription data using Bayesian mixture models. <i>Bioinformatics</i> , 2014, 30, 1154-1162.   | 4.1  | 31        |
| 3235 | Expression analysis of genes and pathways associated with liver metastases of the uveal melanoma. <i>BMC Medical Genetics</i> , 2014, 15, 29.   | 2.1  | 35        |
| 3236 | ATF3 attenuates cyclosporin A-induced nephrotoxicity by downregulating CHOP in HK-2 cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 448, 182-188.                               | 2.1  | 13        |
| 3237 | The Transcription Factor Gata6 Links Tissue Macrophage Phenotype and Proliferative Renewal. <i>Science</i> , 2014, 344, 645-648.  | 12.6 | 317       |
| 3238 | Activin A supplement in the hESCs culture enhances the endoderm differentiation efficiency. <i>Cell Biology International</i> , 2014, 38, 849-856.  | 3.0  | 10        |
| 3239 | The impact of using the combined oral contraceptive pill for cycle scheduling on gene expression related to endometrial receptivity. <i>Human Reproduction</i> , 2014, 29, 1271-1278.                     | 0.9  | 18        |
| 3240 | Comparison of Reprogramming Genes in Induced Pluripotent Stem Cells and Nuclear Transfer Cloned Embryos. <i>Stem Cell Reviews and Reports</i> , 2014, 10, 548-560.  | 5.6  | 4         |
| 3241 | Comparative analysis of viral protein interaction networks in Hepatitis B Virus and Hepatitis C Virus infected HCC. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 271-279. | 2.3  | 8         |
| 3242 | Clustering longitudinal profiles using P-splines and mixed effects models applied to time-course gene expression data. <i>Computational Statistics and Data Analysis</i> , 2014, 71, 14-29.               | 1.2  | 33        |
| 3243 | A genome-wide association study identifies major loci affecting the immune response against infectious bronchitis virus in chicken. <i>Infection, Genetics and Evolution</i> , 2014, 21, 351-358.         | 2.3  | 16        |
| 3244 | Genomic changes under rapid evolution: selection for parasitoid resistance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132303.   | 2.6  | 41        |
| 3245 | The ALS/FTLD-related RNA-binding proteins TDP43 and FUS have common downstream RNA targets in cortical neurons. <i>FEBS Open Bio</i> , 2014, 4, 1-10.   | 2.3  | 50        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3246 | Proteome analysis of the effects of all-trans retinoic acid on human germ cell tumor cell lines. <i>Journal of Proteomics</i> , 2014, 96, 300-313.   | 2.4  | 14        |
| 3247 | Toxicity Mechanisms in <i>Escherichia coli</i> Vary for Silver Nanoparticles and Differ from Ionic Silver. <i>ACS Nano</i> , 2014, 8, 374-386.   | 14.6 | 458       |
| 3248 | Lens specific RLIP76 transgenic mice show a phenotype similar to microphthalmia. <i>Experimental Eye Research</i> , 2014, 118, 125-134.  | 2.6  | 2         |
| 3249 | Identification of Enriched PTM Crosstalk Motifs from Large-Scale Experimental Data Sets. <i>Journal of Proteome Research</i> , 2014, 13, 249-259.  | 3.7  | 40        |
| 3251 | PIWI proteins and PIWI-interacting RNAs function in <i>Hydra</i> somatic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 337-342.                              | 7.1  | 140       |
| 3252 | A systems biology analysis for the whole genome sequencing data. , 2014, , .   |      | 0         |
| 3253 | Resources for Functional Genomics Studies in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2014, 197, 1-18.   | 2.9  | 61        |
| 3254 | The <i>Arabidopsis</i> Mediator CDK8 module genes <i>CCT</i> ( <i>MED12</i> ) and <i>GCT</i> ( <i>MED13</i> ) are global regulators of developmental phase transitions. <i>Development (Cambridge)</i> , 2014, 141, 4580-4589. | 2.5  | 50        |
| 3255 | Genomic analysis of the interaction between pesticide exposure and nutrition in honey bees ( <i>Apis</i> )   | 2.0  | 158       |
| 3256 | A Notch-dependent transcriptional hierarchy promotes mesenchymal transdifferentiation in the cardiac cushion. <i>Developmental Dynamics</i> , 2014, 243, 894-905.  | 1.8  | 21        |
| 3257 | Exploration of salivary proteins in buffalo: an approach to find marker proteins for estrus. <i>FASEB Journal</i> , 2014, 28, 4700-4709.   | 0.5  | 17        |
| 3258 | Age-related variations in the methylome associated with gene expression in human monocytes and T cells. <i>Nature Communications</i> , 2014, 5, 5366.  | 12.8 | 168       |
| 3259 | Endometrial gene expression reveals compromised progesterone signaling in women refractory to embryo implantation. <i>Reproductive Biology and Endocrinology</i> , 2014, 12, 92.   | 3.3  | 34        |
| 3260 | Mating system variation drives rapid evolution of the female transcriptome in <i>Drosophila pseudoobscura</i> . <i>Ecology and Evolution</i> , 2014, 4, 2186-2201.   | 1.9  | 38        |
| 3261 | Shotgun MS proteomic analysis of bronchoalveolar lavage fluid in normal subjects. <i>Proteomics - Clinical Applications</i> , 2014, 8, 737-747.  | 1.6  | 17        |
| 3262 | The effects of PPAR- $\beta$ inhibition on gene expression and the progression of induced osteogenic differentiation of human mesenchymal stem cells. <i>Connective Tissue Research</i> , 2014, 55, 262-274.                   | 2.3  | 12        |
| 3263 | Discovery of Novel Disease-specific and Membrane-associated Candidate Markers in a Mouse Model of Multiple Sclerosis. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 679-700.  | 3.8  | 10        |
| 3264 | Research Resource: Genome-Wide Identification of AR-Regulated Genes Translated in Sertoli Cells In Vivo Using the RiboTag Approach. <i>Molecular Endocrinology</i> , 2014, 28, 575-591.  | 3.7  | 51        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3265 | p21 suppresses inflammation and tumorigenesis on pRB-deficient stratified epithelia. <i>Oncogene</i> , 2014, 33, 4599-4612.  | 5.9  | 13        |
| 3266 | An algorithm for identifying differentially expressed genes in multiclass RNA-seq samples. , 2014, , .   |      | 1         |
| 3267 | MetalImprint: an information repository of mammalian imprinted genes. <i>Development (Cambridge)</i> , 2014, 141, 2516-2523.   | 2.5  | 68        |
| 3268 | Integrative analysis of transcriptomic and metabolomic profiling of ascites syndrome in broiler chickens induced by low temperature. <i>Molecular BioSystems</i> , 2014, 10, 2984-2993.                                  | 2.9  | 9         |
| 3269 | Molecular mechanism underlying the impact of vitamin D on disease activity of MS. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 605-617.  | 3.7  | 44        |
| 3270 | Microarray analysis of tick-infested skin in resistant and susceptible cattle confirms the role of inflammatory pathways in immune activation and larval rejection. <i>Veterinary Parasitology</i> , 2014, 205, 307-317. | 1.8  | 16        |
| 3271 | Proteomic analysis of human substantia nigra identifies novel candidates involved in <scp>P</scp>arkinson's disease pathogenesis. <i>Proteomics</i> , 2014, 14, 784-794.   | 2.2  | 85        |
| 3272 | Sexual Dimorphism in Developmental Programming of the Bovine Preimplantation Embryo Caused by Colony-Stimulating Factor 21. <i>Biology of Reproduction</i> , 2014, 91, 80.   | 2.7  | 42        |
| 3274 | Asymmetric mRNA localization contributes to fidelity and sensitivity of spatially localized systems. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 833-839.   | 8.2  | 57        |
| 3275 | Muscle Biological Characteristics of Differentially Expressed Genes in Wujin and Landrace Pigs. <i>Journal of Integrative Agriculture</i> , 2014, 13, 2236-2242.   | 3.5  | 2         |
| 3276 | A Drosophila Genetic Resource of Mutants to Study Mechanisms Underlying Human Genetic Diseases. <i>Cell</i> , 2014, 159, 200-214.  | 28.9 | 322       |
| 3277 | Characterizing the genetic basis of methylome diversity in histologically normal human lung tissue. <i>Nature Communications</i> , 2014, 5, 3365.  | 12.8 | 123       |
| 3278 | mi<scp>RN</scp>ome of <scp>L</scp>alian <scp>L</scp>arge <scp>W</scp>hite pig subcutaneous fat tissue: new mi<scp>RNA</scp>s, isomi<scp>R</scp>s and mo<scp>RNA</scp>s. <i>Animal Genetics</i> , 2014, 45, 685-698.      | 1.7  | 17        |
| 3279 | Integrated transcriptome analysis reveals miRNAâ€œmRNA crosstalk in laryngeal squamous cell carcinoma. <i>Genomics</i> , 2014, 104, 249-256.   | 2.9  | 20        |
| 3280 | MspA-Mycobacterium tuberculosis-transformant with reduced virulence: The â€œunbirthday paradigmâ€•. <i>Microbial Pathogenesis</i> , 2014, 76, 10-18.   | 2.9  | 7         |
| 3281 | Comparative proteomic profiling reveals aberrant cell proliferation in the brain of embryonic Ts1Cje, a mouse model of Down syndrome. <i>Neuroscience</i> , 2014, 281, 1-15.   | 2.3  | 24        |
| 3282 | DegPack: A web package using a non-parametric and information theoretic algorithm to identify differentially expressed genes in multiclass RNA-seq samples. <i>Methods</i> , 2014, 69, 306-314.                          | 3.8  | 5         |
| 3283 | Correlation between <scp>DNA</scp> methylation and gene expression in the brains of patients with bipolar disorder and schizophrenia. <i>Bipolar Disorders</i> , 2014, 16, 790-799.                                      | 1.9  | 94        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3284 | Prioritizing candidate disease miRNAs by integrating phenotype associations of multiple diseases with matched miRNA and mRNA expression profiles. <i>Molecular BioSystems</i> , 2014, 10, 2800-2809.  | 2.9  | 67        |
| 3285 | Chromium-containing traditional Chinese medicine, Tianmai Xiaoke Tablet improves blood glucose through activating insulin-signaling pathway and inhibiting PTP1B and PCK2 in diabetic rats. <i>Journal of Integrative Medicine</i> , 2014, 12, 162-170. | 3.1  | 19        |
| 3286 | Dynamic expression of microRNAs in M2b polarized macrophages associated with systemic lupus erythematosus. <i>Gene</i> , 2014, 547, 300-309.  | 2.2  | 20        |
| 3287 | Enrichment Analysis for Discovering Biological Associations in Phenotypic Screens. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 377-386.   | 5.4  | 12        |
| 3288 | A genome-wide scan for selection signatures in Chinese Holstein cattle. <i>Animal Genetics</i> , 2014, 45, 771-781.   | 1.7  | 15        |
| 3290 | Elucidating Novel Hepatitis C Virus-Host Interactions Using Combined Mass Spectrometry and Functional Genomics Approaches. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 184-203.  | 3.8  | 61        |
| 3291 | IL-17A Mediates a Selective Gene Expression Profile in Asthmatic Human Airway Smooth Muscle Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 50, 1053-1063.   | 2.9  | 19        |
| 3292 | MiningABs: mining associated biomarkers across multi-connected gene expression datasets. <i>BMC Bioinformatics</i> , 2014, 15, 173.   | 2.6  | 1         |
| 3293 | Characterization of the kidney transcriptome of the South American olive mouse <i>Abrothrix olivacea</i> . <i>BMC Genomics</i> , 2014, 15, 446.   | 2.8  | 15        |
| 3294 | Liver transcriptome analysis of Atlantic cod ( <i>Gadus morhua</i> ) exposed to PCB 153 indicates effects on cell cycle regulation and lipid metabolism. <i>BMC Genomics</i> , 2014, 15, 481.   | 2.8  | 35        |
| 3295 | Functional transcriptome analysis of the postnatal brain of the Ts1Cje mouse model for Down syndrome reveals global disruption of interferon-related molecular networks. <i>BMC Genomics</i> , 2014, 15, 624.   | 2.8  | 61        |
| 3296 | A network-based approach to dissect the cilia/centrosome complex interactome. <i>BMC Genomics</i> , 2014, 15, 658.  | 2.8  | 19        |
| 3297 | Human immunodeficiency virus Tat associates with a specific set of cellular RNAs. <i>Retrovirology</i> , 2014, 11, 53.  | 2.0  | 9         |
| 3298 | Selecting biologically informative genes in co-expression networks with a centrality score. <i>Biology Direct</i> , 2014, 9, 12.  | 4.6  | 49        |
| 3299 | Differential effects of selective frankincense (Ru Xiang) essential oil versus non-selective sandalwood (Tan Xiang) essential oil on cultured bladder cancer cells: a microarray and bioinformatics study. <i>Chinese Medicine</i> , 2014, 9, 18.       | 4.0  | 27        |
| 3300 | Transcriptional profiling of Arabidopsis root hairs and pollen defines an apical cell growth signature. <i>BMC Plant Biology</i> , 2014, 14, 197.   | 3.6  | 49        |
| 3301 | A Smad3 and TTF-1/NKX2-1 complex regulates Smad4-independent gene expression. <i>Cell Research</i> , 2014, 24, 994-1008.  | 12.0 | 45        |
| 3302 | Efficient sequential and parallel algorithms for record linkage. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014, 21, 252-262.   | 4.4  | 17        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3303 | LincRNA-p21 Regulates Neointima Formation, Vascular Smooth Muscle Cell Proliferation, Apoptosis, and Atherosclerosis by Enhancing p53 Activity. <i>Circulation</i> , 2014, 130, 1452-1465.                    | 1.6  | 425       |
| 3304 | Comparative transcriptomic analysis to identify differentially expressed genes in fat tissue of adult Berkshire and Jeju Native Pig using RNA-seq. <i>Molecular Biology Reports</i> , 2014, 41, 6305-6315.    | 2.3  | 29        |
| 3305 | A comparative transcriptomic study on the effects of valproic acid on two different hESCs lines in a neural teratogenicity test system. <i>Toxicology Letters</i> , 2014, 231, 38-44.                         | 0.8  | 14        |
| 3306 | MicroRNA expression signature for Satb2-induced osteogenic differentiation in bone marrow stromal cells. <i>Molecular and Cellular Biochemistry</i> , 2014, 387, 227-239.                                     | 3.1  | 53        |
| 3307 | Cisplatin associated with LY294002 increases cytotoxicity and induces changes in transcript profiles of glioblastoma cells. <i>Molecular Biology Reports</i> , 2014, 41, 165-177.                             | 2.3  | 16        |
| 3308 | Differential expression of genes and proteins associated with wool follicle cycling. <i>Molecular Biology Reports</i> , 2014, 41, 5343-5349.  | 2.3  | 25        |
| 3309 | Interactions among mitochondrial proteins altered in glioblastoma. <i>Journal of Neuro-Oncology</i> , 2014, 118, 247-256.   | 2.9  | 57        |
| 3310 | Hippocampal HDAC4 Contributes to Postnatal Fluoxetine-Evoked Depression-Like Behavior. <i>Neuropsychopharmacology</i> , 2014, 39, 2221-2232.  | 5.4  | 65        |
| 3311 | Synovial phenotypes in rheumatoid arthritis correlate with response to biologic therapeutics. <i>Arthritis Research and Therapy</i> , 2014, 16, R90.  | 3.5  | 292       |
| 3312 | DNA methylome profiling of human tissues identifies global and tissue-specific methylation patterns. <i>Genome Biology</i> , 2014, 15, r54.   | 8.8  | 325       |
| 3313 | Proteomic analysis of adipose tissue: informing diabetes research. <i>Expert Review of Proteomics</i> , 2014, 11, 491-502.  | 3.0  | 9         |
| 3314 | Quantitative Proteomic Profiling Reveals Differentially Regulated Proteins in Cystic Fibrosis Cells. <i>Journal of Proteome Research</i> , 2014, 13, 4668-4675.   | 3.7  | 25        |
| 3315 | A Comprehensive Analysis of MicroProteins Reveals Their Potentially Widespread Mechanism of Transcriptional Regulation Å. <i>Plant Physiology</i> , 2014, 165, 149-159.                                       | 4.8  | 21        |
| 3316 | Developmental transcriptome analysis of human erythropoiesis. <i>Human Molecular Genetics</i> , 2014, 23, 4528-4542.  | 2.9  | 45        |
| 3317 | Peripheral nerve morphogenesis induced by scaffold micropatterning. <i>Biomaterials</i> , 2014, 35, 4035-4045.  | 11.4 | 39        |
| 3318 | UTX and MLL4 Coordinately Regulate Transcriptional Programs for Cell Proliferation and Invasiveness in Breast Cancer Cells. <i>Cancer Research</i> , 2014, 74, 1705-1717.                                     | 0.9  | 198       |
| 3319 | Identification and bioinformatics analysis of microRNAs associated with stress and immune response in serum of heat-stressed and normal Holstein cows. <i>Cell Stress and Chaperones</i> , 2014, 19, 973-981. | 2.9  | 119       |
| 3320 | Transcriptome profiling of the cancer and normal tissues from gastric cancer patients by deep sequencing. <i>Tumor Biology</i> , 2014, 35, 7423-7427.   | 1.8  | 8         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3321 | CO2MSIG, an automated GO based multi-species gene set generator for gene set enrichment analysis. BMC Bioinformatics, 2014, 15, 146.  | 2.6  | 49        |
| 3322 | DNA methylation subgroups and the CpG island methylator phenotype in gastric cancer: a comprehensive profiling approach. BMC Gastroenterology, 2014, 14, 55.  | 2.0  | 34        |
| 3323 | Berberine moderates glucose metabolism through the GnRH-GLP-1 and MAPK pathways in the intestine. BMC Complementary and Alternative Medicine, 2014, 14, 188.  | 3.7  | 44        |
| 3324 | Stringent homology-based prediction of H. sapiens-M. tuberculosis H37Rv protein-protein interactions. Biology Direct, 2014, 9, 5.   | 4.6  | 74        |
| 3325 | Optic nerve crush induces spatial and temporal gene expression patterns in retina and optic nerve of BALB/cj mice. Molecular Neurodegeneration, 2014, 9, 14.  | 10.8 | 26        |
| 3326 | Transcriptional and Physiological Responses Induced by Binary Mixtures of Drospirenone and Progesterone in Zebrafish (<i>Danio rerio</i>). Environmental Science & Technology, 2014, 48, 3523-3531. | 10.0 | 91        |
| 3327 | Impact of MLL5 expression on decitabine efficacy and DNA methylation in acute myeloid leukemia. Haematologica, 2014, 99, 1456-1464.   | 3.5  | 26        |
| 3328 | Integrative analysis of independent transcriptome data for rare diseases. Methods, 2014, 69, 315-325.   | 3.8  | 6         |
| 3329 | Buffalo Cervico-Vaginal Fluid Proteomics with Special Reference to Estrous Cycle: Heat Shock Protein (Hsp)-70 Appears to Be an Estrus Indicator1. Biology of Reproduction, 2014, 90, 97.            | 2.7  | 19        |
| 3330 | Genome-Wide DNA Methylation Patterns in Naive CD4+ T Cells From Patients With Primary Sjögren's Syndrome. Arthritis and Rheumatology, 2014, 66, 731-739.  | 5.6  | 147       |
| 3331 | A Phase I Study of the First-in-Class Antimitochondrial Metabolism Agent, CPI-613, in Patients with Advanced Hematologic Malignancies. Clinical Cancer Research, 2014, 20, 5255-5264.               | 7.0  | 82        |
| 3332 | Gene expression profile based classification models of psoriasis. Genomics, 2014, 103, 48-55.   | 2.9  | 102       |
| 3333 | Prioritization of Candidate Genes for Periodontitis Using Multiple Computational Tools. Journal of Periodontology, 2014, 85, 1059-1069.   | 3.4  | 37        |
| 3334 | rClca2is associated with epidermal differentiation and is strongly downregulated by ultraviolet radiation. British Journal of Dermatology, 2014, 171, 376-387.                                      | 1.5  | 12        |
| 3335 | Novel markers of osteogenic and adipogenic differentiation of human bone marrow stromal cells identified using a quantitative proteomics approach. Stem Cell Research, 2014, 12, 153-165.           | 0.7  | 155       |
| 3336 | Heparin-protein interactions: From affinity and kinetics to biological roles. Application to an interaction network regulating angiogenesis. Matrix Biology, 2014, 35, 73-81.                       | 3.6  | 103       |
| 3337 | Tumor resistance to anti-VEGF therapy through up-regulation of VEGF-C expression. Cancer Letters, 2014, 346, 45-52.   | 7.2  | 46        |
| 3338 | Use of toxicogenomics to predict the potential toxic effect of Benzo(a)pyrene on zebrafish embryos: Ocular developmental toxicity. Chemosphere, 2014, 108, 55-61.                                   | 8.2  | 51        |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3339 | The effects of actin cytoskeleton perturbation on keratin intermediate filament formation in mesenchymal stem/stromal cells. <i>Biomaterials</i> , 2014, 35, 3934-3944.  | 11.4 | 29        |
| 3340 | A genome-wide association study of calf birth weight in Holstein cattle using single nucleotide polymorphisms and phenotypes predicted from auxiliary traits. <i>Journal of Dairy Science</i> , 2014, 97, 3156-3172.               | 3.4  | 38        |
| 3341 | Identifying colon cancer risk modules with better classification performance based on human signaling network. <i>Genomics</i> , 2014, 104, 242-248.   | 2.9  | 7         |
| 3342 | Mapping genomic markers to closest feature using the R package Map2NCBI. <i>Livestock Science</i> , 2014, 162, 59-65.  | 1.6  | 18        |
| 3343 | Proteomics reveal energy metabolism and mitogen-activated protein kinase signal transduction perturbation in human Borna disease virus Hu-H1-infected oligodendroglial cells. <i>Neuroscience</i> , 2014, 268, 284-296.            | 2.3  | 17        |
| 3344 | Mouse SCNT ESCs Have Lower Somatic Mutation Load Than Syngeneic iPSCs. <i>Stem Cell Reports</i> , 2014, 2, 399-405.  | 4.8  | 20        |
| 3345 | A distinctive ovarian cancer molecular subgroup characterized by poor prognosis and somatic focal copy number amplifications at chromosome 19. <i>Gynecologic Oncology</i> , 2014, 132, 343-350.                                   | 1.4  | 17        |
| 3346 | Dietary resveratrol supplementation normalizes gene expression in the hippocampus of streptozotocin-induced diabetic C57Bl/6 mice. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 313-318.                                 | 4.2  | 30        |
| 3347 | Abnormal gene expression and gene fusion in lung adenocarcinoma with high-throughput RNA sequencing. <i>Cancer Gene Therapy</i> , 2014, 21, 74-82.   | 4.6  | 27        |
| 3348 | The combination of transcriptomics and informatics identifies pathways targeted by miR-204 during neurogenesis and axon guidance. <i>Nucleic Acids Research</i> , 2014, 42, 7793-7806.   | 14.5 | 31        |
| 3349 | Integrated microRNA-mRNA analysis of coronary artery disease. <i>Molecular Biology Reports</i> , 2014, 41, 5505-5511.  | 2.3  | 19        |
| 3350 | Characterization of brown adipose tissue in the human perirenal depot. <i>Obesity</i> , 2014, 22, 1830-1837.   | 3.0  | 45        |
| 3351 | The toxicological application of transcriptomics and epigenomics in zebrafish and other teleosts. <i>Briefings in Functional Genomics</i> , 2014, 13, 157-171.   | 2.7  | 62        |
| 3352 | Aberrant Expression of Long Noncoding RNAs in Early Diabetic Retinopathy. , 2014, 55, 941.   |      | 170       |
| 3353 | Comparative transcriptomic analysis by RNA-seq to discern differential expression of genes in liver and muscle tissues of adult Berkshire and Jeju Native Pig. <i>Gene</i> , 2014, 546, 233-242.                                   | 2.2  | 26        |
| 3354 | Overexpression of SMARCE1 is associated with CD8+ T-cell infiltration in early stage ovarian cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 53, 389-398.  | 2.8  | 15        |
| 3355 | A bi-Poisson model for clustering gene expression profiles by RNA-seq. <i>Briefings in Bioinformatics</i> , 2014, 15, 534-541.   | 6.5  | 6         |
| 3356 | The acetylome regulators Hdac1 and Hdac2 differently modulate intestinal epithelial cell dependent homeostatic responses in experimental colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, G594-G605. | 3.4  | 55        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3357 | Proteome profiling of virus-host interactions of wild type and attenuated measles virus strains. <i>Journal of Proteomics</i> , 2014, 108, 325-336.   | 2.4 | 5         |
| 3358 | Transcriptomic effects of estradiol treatment on cultured human uterine smooth muscle cells. <i>Molecular and Cellular Endocrinology</i> , 2014, 393, 16-23.  | 3.2 | 9         |
| 3359 | Pathway and network analysis in proteomics. <i>Journal of Theoretical Biology</i> , 2014, 362, 44-52.   | 1.7 | 98        |
| 3360 | Plasma-based proteomics reveals lipid metabolic and immunoregulatory dysregulation in post-stroke depression. <i>European Psychiatry</i> , 2014, 29, 307-315.   | 0.2 | 48        |
| 3361 | Identifying arsenic trioxide (ATO) functions in leukemia cells by using time series gene expression profiles. <i>Gene</i> , 2014, 535, 312-317.   | 2.2 | 2         |
| 3362 | Genome-Wide Analysis of Long Noncoding RNA (lncRNA) Expression in Hepatoblastoma Tissues. <i>PLoS ONE</i> , 2014, 9, e85599.  | 2.5 | 78        |
| 3363 | Analysis of protein-protein interaction network and functional modules on primary osteoporosis. <i>European Journal of Medical Research</i> , 2014, 19, 15.   | 2.2 | 4         |
| 3364 | Identification of copy number variation-driven genes for liver cancer via bioinformatics analysis. <i>Oncology Reports</i> , 2014, 32, 1845-1852.   | 2.6 | 14        |
| 3365 | Expression and clinical significance of estrogen-regulated long non-coding RNAs in estrogen receptor $\alpha$ -positive ovarian cancer progression. <i>Oncology Reports</i> , 2014, 31, 1613-1622.  | 2.6 | 29        |
| 3366 | DNA methylation temporal profiling following peripheral versus central nervous system axotomy. <i>Scientific Data</i> , 2014, 1, 140038.  | 5.3 | 16        |
| 3367 | A Bayesian Integrative Model for Genetical Genomics with Spatially Informed Variable Selection. <i>Cancer Informatics</i> , 2014, 13s2, CIN.S13784.   | 1.9 | 3         |
| 3368 | Genome-wide Expression Profiles of Necrotizing Enterocolitis Versus Spontaneous Intestinal Perforation in Human Intestinal Tissues. <i>Annals of Surgery</i> , 2014, 260, 1128-1137.  | 4.2 | 64        |
| 3369 | Application of quantitative trait locus mapping and transcriptomics to studies of the senescence-accelerated phenotype in rats. <i>BMC Genomics</i> , 2014, 15, S3.   | 2.8 | 11        |
| 3370 | Complex-based analysis of dysregulated cellular processes in cancer. <i>BMC Systems Biology</i> , 2014, 8, S1.  | 3.0 | 19        |
| 3371 | Sex-related gene expression profiles in the adrenal cortex in the mature rat: Microarray analysis with emphasis on genes involved in steroidogenesis. <i>International Journal of Molecular Medicine</i> , 2015, 35, 702-714.                       | 4.0 | 34        |
| 3372 | Genetic architecture of early pre-inflammatory stage transcription signatures of autoimmune diabetes in the pancreatic lymph nodes of the NOD mouse reveals significant gene enrichment on chromosomes 6 and 7. <i>Meta Gene</i> , 2015, 6, 96-104. | 0.6 | 0         |
| 3373 | A comparison of human and mouse gene co-expression networks reveals conservation and divergence at the tissue, pathway and disease levels. <i>BMC Evolutionary Biology</i> , 2015, 15, 259.   | 3.2 | 89        |
| 3374 | Multiple sources of bias confound functional enrichment analysis of global -omics data. <i>Genome Biology</i> , 2015, 16, 186.  | 8.8 | 131       |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3375 | Gene expression profiling of brakeless mutant <i>Drosophila</i> embryos. <i>Data in Brief</i> , 2015, 5, 134-137.   | 1.0  | 2         |
| 3376 | Analysis of differences in the molecular mechanism of rheumatoid arthritis and osteoarthritis based on integration of gene expression profiles. <i>Immunology Letters</i> , 2015, 168, 246-253.             | 2.5  | 20        |
| 3377 | Deletion of low molecular weight protein tyrosine phosphatase ( <i>Acp1</i> ) protects against stress-induced cardiomyopathy. <i>Journal of Pathology</i> , 2015, 237, 482-494.                             | 4.5  | 12        |
| 3378 | Gene expression during the first 28 days of axolotl limb regeneration I: Experimental design and global analysis of gene expression. <i>Regeneration (Oxford, England)</i> , 2015, 2, 120-136.              | 6.3  | 72        |
| 3379 | Genomewide identification of target genes of histone methyltransferase <i>MeCP2</i> during <i>Drosophila</i> embryogenesis. <i>Genes To Cells</i> , 2015, 20, 902-914.                                      | 1.2  | 12        |
| 3380 | Comparative two-dimensional polyacrylamide gel electrophoresis of the salivary proteome of children with autism spectrum disorder. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 2664-2678. | 3.6  | 39        |
| 3381 | Toxicogenomic responses of human liver HepG2 cells to silver nanoparticles. <i>Journal of Applied Toxicology</i> , 2015, 35, 1160-1168.   | 2.8  | 37        |
| 3382 | Evolving transcriptomic fingerprint based on genome-wide data as prognostic tools in prostate cancer. <i>Biology of the Cell</i> , 2015, 107, 232-244.  | 2.0  | 6         |
| 3383 | Establishment of a proteome profile and identification of molecular markers for mouse spermatogonial stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 521-534.                     | 3.6  | 27        |
| 3384 | Vaccinia Virus Infection Requires Maturation of Macropinosomes. <i>Traffic</i> , 2015, 16, 814-831.   | 2.7  | 44        |
| 3385 | An integrated analysis of the effects of microRNA and mRNA on esophageal squamous cell carcinoma. <i>Molecular Medicine Reports</i> , 2015, 12, 945-952.  | 2.4  | 17        |
| 3386 | Prediction of Scaffold Proteins based on Protein Interaction and Domain Architectures. , 2015, , .  |      | 0         |
| 3387 | Autophagic degradation of aquaporin-2 is an early event in hypokalemia-induced nephrogenic diabetes insipidus. <i>Scientific Reports</i> , 2015, 5, 18311.  | 3.3  | 53        |
| 3388 | Chronic acidosis in the tumour microenvironment selects for overexpression of LAMP2 in the plasma membrane. <i>Nature Communications</i> , 2015, 6, 8752.   | 12.8 | 151       |
| 3389 | Adaptation of <i>Lactococcus lactis</i> to high growth temperature leads to a dramatic increase in acidification rate. <i>Scientific Reports</i> , 2015, 5, 14199.  | 3.3  | 63        |
| 3390 | miR-34a screened by miRNA profiling negatively regulates Wnt/ $\beta^2$ -catenin signaling pathway in Aflatoxin B1 induced hepatotoxicity. <i>Scientific Reports</i> , 2015, 5, 16732.                      | 3.3  | 65        |
| 3391 | Identification of the differentially expressed genes associated with familial combined hyperlipidemia using bioinformatics analysis. <i>Molecular Medicine Reports</i> , 2015, 11, 4032-4038.               | 2.4  | 6         |
| 3392 | MicroRNA profiling of CD3+CD56+ cytokine-induced killer cells. <i>Scientific Reports</i> , 2015, 5, 9571.   | 3.3  | 8         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3393 | Identifying miRNA/mRNA negative regulation pairs in colorectal cancer. Scientific Reports, 2015, 5, 12995.   | 3.3 | 43        |
| 3394 | The exosome controls alternative splicing by mediating the gene expression and assembly of the spliceosome complex. Scientific Reports, 2015, 5, 13403.                              | 3.3 | 18        |
| 3395 | Co-expression analysis of differentially expressed genes in hepatitis C virus-induced hepatocellular carcinoma. Molecular Medicine Reports, 2015, 11, 21-28.                         | 2.4 | 4         |
| 3396 | Aberrant expression of long noncoding RNAs in chronic thromboembolic pulmonary hypertension. Molecular Medicine Reports, 2015, 11, 2631-2643.  | 2.4 | 33        |
| 3397 | Network-based survival-associated module biomarker and its crosstalk with cell death genes in ovarian cancer. Scientific Reports, 2015, 5, 11566.                                    | 3.3 | 36        |
| 3398 | Computational networks of activating transcription factor 3 gene in Huh7 cell lines and hepatitis C virus-infected Huh7 cell lines. Molecular Medicine Reports, 2015, 12, 1239-1246. | 2.4 | 3         |
| 3399 | Transcriptomic Analysis of Drosophila Mushroom Body Neurons Lacking Amyloid-Î² Precursor-Like Protein Activity. Journal of Alzheimer's Disease, 2015, 46, 913-928.                   | 2.6 | 2         |
| 3400 | Integrated analysis of miRNA/mRNA network in placenta identifies key factors associated with labor onset of Large White and Qingping sows. Scientific Reports, 2015, 5, 13074.       | 3.3 | 12        |
| 3401 | Integrative proteomics to understand the transmission mechanism of Barley yellow dwarf virus-GPV by its insect vector Rhopalosiphum padi. Scientific Reports, 2015, 5, 10971.        | 3.3 | 56        |
| 3402 | Transdifferentiation of periodontal ligament-derived stem cells into retinal ganglion-like cells and its microRNA signature. Scientific Reports, 2015, 5, 16429.                     | 3.3 | 47        |
| 3404 | Identification of Genes Associated with Smad3-dependent Renal Injury by RNA-seq-based Transcriptome Analysis. Scientific Reports, 2015, 5, 17901.                                    | 3.3 | 20        |
| 3405 | Transcription factor p63 bookmarks and regulates dynamic enhancers during epidermal differentiation. EMBO Reports, 2015, 16, 863-878.  | 4.5 | 134       |
| 3406 | Gene co-expression network and function modules in three types of glioma. Molecular Medicine Reports, 2015, 11, 3055-3063.   | 2.4 | 4         |
| 3407 | Somatic deletions implicated in functional diversity of brain cells of individuals with schizophrenia and unaffected controls. Scientific Reports, 2015, 4, 3807.                    | 3.3 | 25        |
| 3408 | Network-assisted analysis of primary Sjögren's syndrome GWAS data in Han Chinese. Scientific Reports, 2015, 5, 18855.  | 3.3 | 13        |
| 3409 | Unique Toll-Like Receptor 4 Activation by NAMPT/PBEF Induces NF-Î³B Signaling and Inflammatory Lung Injury. Scientific Reports, 2015, 5, 13135.                                      | 3.3 | 126       |
| 3410 | Discrete domains of gene expression in germinal layers distinguish the development of gyrencephaly. EMBO Journal, 2015, 34, 1859-1874.   | 7.8 | 146       |
| 3411 | miR-95p suppresses pro-fibrogenic transformation of fibroblasts and prevents organ fibrosis by targeting NOX 4 and TGFBR 2. EMBO Reports, 2015, 16, 1358-1377.                       | 4.5 | 87        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3412 | Expression analysis of the estrogen receptor target genes in renal cell carcinoma. <i>Molecular Medicine Reports</i> , 2015, 11, 75-82.   | 2.4  | 6         |
| 3413 | Advanced Applications of RNA Sequencing and Challenges. <i>Bioinformatics and Biology Insights</i> , 2015, 9s1, BBI.S28991.   | 2.0  | 178       |
| 3414 | CpG island erosion, polycomb occupancy and sequence motif enrichment at bivalent promoters in mammalian embryonic stem cells. <i>Scientific Reports</i> , 2015, 5, 16791.   | 3.3  | 24        |
| 3415 | Identification of novel trans-crosstalk between histone modifications via genome-wide analysis of maximal deletion effect. <i>Genes and Genomics</i> , 2015, 37, 693-701.   | 1.4  | 1         |
| 3416 | A machine learning heuristic to identify biologically relevant and minimal biomarker panels from omics data. <i>BMC Genomics</i> , 2015, 16, S2.  | 2.8  | 43        |
| 3417 | Copy number variations in the genome of the Qatari population. <i>BMC Genomics</i> , 2015, 16, 834.   | 2.8  | 9         |
| 3418 | Blood transcriptomics of drug-naïve sporadic Parkinson's disease patients. <i>BMC Genomics</i> , 2015, 16, 876.   | 2.8  | 64        |
| 3419 | Gene expression profiling of the human natural killer cell response to Fc receptor activation: unique enhancement in the presence of interleukin-12. <i>BMC Medical Genomics</i> , 2015, 8, 66.                     | 1.5  | 15        |
| 3420 | A survey of computational tools for downstream analysis of proteomic and other omic datasets. <i>Human Genomics</i> , 2015, 9, 28.  | 2.9  | 16        |
| 3421 | Chronic binge alcohol administration dysregulates global regulatory gene networks associated with skeletal muscle wasting in simian immunodeficiency virus-infected macaques. <i>BMC Genomics</i> , 2015, 16, 1097. | 2.8  | 21        |
| 3422 | Bioinformatics identification of potentially involved microRNAs in Tibetan with gastric cancer based on microRNA profiling. <i>Cancer Cell International</i> , 2015, 15, 115.                                       | 4.1  | 16        |
| 3423 | PTTG1 expression is associated with hyperproliferative disease and poor prognosis in multiple myeloma. <i>Journal of Hematology and Oncology</i> , 2015, 8, 106.  | 17.0 | 29        |
| 3424 | Total variation based tensor decomposition for multi-dimensional data with time dimension. <i>Numerical Linear Algebra With Applications</i> , 2015, 22, 999-1019.  | 1.6  | 8         |
| 3425 | Splenic gene expression profiling in White Leghorn layer inoculated with the <i>Salmonella enterica</i> serovar Enteritidis. <i>Animal Genetics</i> , 2015, 46, 617-626.  | 1.7  | 22        |
| 3426 | The relative vertex clustering value - a new criterion for the fast discovery of functional modules in protein interaction networks. <i>BMC Bioinformatics</i> , 2015, 16, S3.                                      | 2.6  | 3         |
| 3427 | Parameter optimization for constructing competing endogenous RNA regulatory network in glioblastoma multiforme and other cancers. <i>BMC Genomics</i> , 2015, 16, S1.   | 2.8  | 43        |
| 3428 | Integrative network-based approach identifies key genetic elements in breast invasive carcinoma. <i>BMC Genomics</i> , 2015, 16, S2.  | 2.8  | 30        |
| 3429 | Memory acquisition and retrieval impact different epigenetic processes that regulate gene expression. <i>BMC Genomics</i> , 2015, 16, S5.   | 2.8  | 50        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3430 | Reconstruction of novel transcription factor regulons through inference of their binding sites. BMC Bioinformatics, 2015, 16, 299.   | 2.6 | 3         |
| 3431 | Identification of candidate gonadal sex differentiation genes in the chicken embryo using RNA-seq. BMC Genomics, 2015, 16, 704.  | 2.8 | 54        |
| 3432 | Helveticoside is a biologically active component of the seed extract of <i>Descurainia sophia</i> and induces reciprocal gene regulation in A549 human lung cancer cells. BMC Genomics, 2015, 16, 713.   | 2.8 | 16        |
| 3433 | Cyclosporin A-induced toxicity in mouse liver slices is only slightly aggravated by Fxr-deficiency and co-occurs with upregulation of pro-inflammatory genes and downregulation of genes involved in mitochondrial functions. BMC Genomics, 2015, 16, 822.   | 2.8 | 6         |
| 3434 | Genome-wide DNA methylome variation in two genetically distinct chicken lines using MethylC-seq. BMC Genomics, 2015, 16, 851.  | 2.8 | 39        |
| 3435 | Reconstruction of temporal activity of microRNAs from gene expression data in breast cancer cell line. BMC Genomics, 2015, 16, 1077.   | 2.8 | 5         |
| 3436 | Transfection of Sertoli cells with androgen receptor alters gene expression without androgen stimulation. BMC Molecular Biology, 2015, 16, 23.   | 3.0 | 4         |
| 3437 | Association between in vivo bone formation and ex vivo migratory capacity of human bone marrow stromal cells. Stem Cell Research and Therapy, 2015, 6, 196.  | 5.5 | 17        |
| 3438 | Transcriptional profiling of differentially vulnerable motor neurons at pre-symptomatic stage in the <i>Smn 2b</i> <sup>-/-</sup> mouse model of spinal muscular atrophy. Acta Neuropathologica Communications, 2015, 3, 55.   | 5.2 | 61        |
| 3439 | Screening Feature Genes of Venous Thromboembolism with <sc>DNA</sc> Microarray. Chemical Biology and Drug Design, 2015, 86, 821-828.   | 3.2 | 3         |
| 3440 | Discovering All Transcriptome Single-Nucleotide Polymorphisms and Scanning for Selection Signatures in Ducks ( <i>Anas platyrhynchos</i> ). Evolutionary Bioinformatics, 2015, 11s1, EBO.S21545.   | 1.2 | 5         |
| 3441 | Regulation of monocyte/macrophage polarisation by extracellular RNA. Thrombosis and Haemostasis, 2015, 113, 473-481.   | 3.4 | 36        |
| 3442 | Exogenous retinoic acid induces digit reduction in opossums ( <i>Monodelphis domestica</i> ) by disrupting cell death and proliferation, and apical ectodermal ridge and zone of polarizing activity function. Birth Defects Research Part A: Clinical and Molecular Teratology, 2015, 103, 225-234. | 1.6 | 7         |
| 3443 | Identification of a mitochondrial defect gene signature reveals NUPR1 as a key regulator of liver cancer progression. Hepatology, 2015, 62, 1174-1189.   | 7.3 | 50        |
| 3444 | Bisphenol A affects placental layers morphology and angiogenesis during early pregnancy phase in mice. Journal of Applied Toxicology, 2015, 35, 1278-1291.   | 2.8 | 74        |
| 3445 | Gene expression profiles and protein&ndash;protein interaction network analysis in AIDS patients with HIV-associated encephalitis and dementia. HIV/AIDS - Research and Palliative Care, 2015, 7, 265.   | 0.8 | 12        |
| 3446 | Novel prognostic genes of diffuse large B-cell lymphoma revealed by survival analysis of gene expression data. OncoTargets and Therapy, 2015, 8, 3407.   | 2.0 | 10        |
| 3447 | Critical genes in head and neck squamous cell carcinoma revealed by bioinformatic analysis of gene expression data. Genetics and Molecular Research, 2015, 14, 17406-17415.  | 0.2 | 8         |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3448 | Microarray data analysis reveals differentially expressed genes in prolactinoma. <i>Neoplasma</i> , 2015, 62, 53-60.   | 1.6 | 2         |
| 3449 | NOB1 is essential for the survival of RKO colorectal cancer cells. <i>World Journal of Gastroenterology</i> , 2015, 21, 868.   | 3.3 | 17        |
| 3450 | ATF4 licenses C/EBP $\beta$ activity in human mesenchymal stem cells primed for adipogenesis. <i>ELife</i> , 2015, 4, e06821.  | 6.0 | 45        |
| 3451 | Lipid-mediated regulation of SKN-1/Nrf in response to germ cell absence. <i>ELife</i> , 2015, 4, .   | 6.0 | 171       |
| 3452 | Comparative proteomic analyses demonstrate enhanced interferon and STAT-1 activation in reovirus T3D-infected HeLa cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 30.         | 3.9 | 10        |
| 3453 | Differential Occurrence of Interactions and Interaction Domains in Proteins Containing Homopolymeric Amino Acid Repeats. <i>Frontiers in Genetics</i> , 2015, 6, 345.                                    | 2.3 | 21        |
| 3454 | Nitric oxide as a regulator of <i>B. anthracis</i> pathogenicity. <i>Frontiers in Microbiology</i> , 2015, 6, 921.   | 3.5 | 12        |
| 3455 | Noncoding RNA in the transcriptional landscape of human neural progenitor cell differentiation. <i>Frontiers in Neuroscience</i> , 2015, 9, 392.   | 2.8 | 11        |
| 3456 | The Wnt signaling network in cancer. , 0, , 222-255.   |     | 0         |
| 3457 | Construction of gene/protein interaction networks for primary myelofibrosis and KEGG pathway-enrichment analysis of molecular compounds. <i>Genetics and Molecular Research</i> , 2015, 14, 16126-16132. | 0.2 | 2         |
| 3458 | Bovine Milk Proteome in the First 9 Days: Protein Interactions in Maturation of the Immune and Digestive System of the Newborn. <i>PLoS ONE</i> , 2015, 10, e0116710.                                    | 2.5 | 79        |
| 3459 | Expression Profiling of Preadipocyte MicroRNAs by Deep Sequencing on Chicken Lines Divergently Selected for Abdominal Fatness. <i>PLoS ONE</i> , 2015, 10, e0117843.                                     | 2.5 | 24        |
| 3460 | Functional Genomic Analysis Identifies Indoxyl Sulfate as a Major, Poorly Dialyzable Uremic Toxin in End-Stage Renal Disease. <i>PLoS ONE</i> , 2015, 10, e0118703.                                      | 2.5 | 14        |
| 3461 | Characterization of the Kidney Transcriptome of the Long-Haired Mouse <i>Abrothrix hirta</i> (Rodentia,) Tj ETQq1 1 0.784314 rgBT /Overlock  | 2.5 | 7         |
| 3462 | Identification of MicroRNAs and their Targets Associated with Embryo Abortion during Chrysanthemum Cross Breeding via High-Throughput Sequencing. <i>PLoS ONE</i> , 2015, 10, e0124371.                  | 2.5 | 19        |
| 3463 | Effects of Valproic Acid and Dexamethasone Administration on Early Bio-Markers and Gene Expression Profile in Acute Kidney Ischemia-Reperfusion Injury in the Rat. <i>PLoS ONE</i> , 2015, 10, e0126622. | 2.5 | 30        |
| 3464 | The Orphan Nuclear Receptor TLX Is an Enhancer of STAT1-Mediated Transcription and Immunity to <i>Toxoplasma gondii</i> . <i>PLoS Biology</i> , 2015, 13, e1002200.                                      | 5.6 | 25        |
| 3465 | Integration Analysis of Three Omics Data Using Penalized Regression Methods: An Application to Bladder Cancer. <i>PLoS Genetics</i> , 2015, 11, e1005689.  | 3.5 | 68        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3466 | Disruption of Mitochondrion-To-Nucleus Interaction in Deceased Cloned Piglets. PLoS ONE, 2015, 10, e0129378.   | 2.5 | 7         |
| 3467 | Immunological Response to Single Pathogen Challenge with Agents of the Bovine Respiratory Disease Complex: An RNA-Sequence Analysis of the Bronchial Lymph Node Transcriptome. PLoS ONE, 2015, 10, e0131459. | 2.5 | 51        |
| 3468 | Comparing Two Intestinal Porcine Epithelial Cell Lines (IPECs): Morphological Differentiation, Function and Metabolism. PLoS ONE, 2015, 10, e0132323.  | 2.5 | 48        |
| 3469 | Functional Analysis of Chicken IRF7 in Response to dsRNA Analog Poly(I:C) by Integrating Overexpression and Knockdown. PLoS ONE, 2015, 10, e0133450.   | 2.5 | 45        |
| 3470 | Meta-Analysis of Microarray Data of Rainbow Trout Fry Gonad Differentiation Modulated by Ethynylestradiol. PLoS ONE, 2015, 10, e0135799.   | 2.5 | 10        |
| 3471 | Social Regulation of Gene Expression in Threespine Sticklebacks. PLoS ONE, 2015, 10, e0137726.   | 2.5 | 32        |
| 3472 | Recurrent Glioblastomas Reveal Molecular Subtypes Associated with Mechanistic Implications of Drug-Resistance. PLoS ONE, 2015, 10, e0140528.   | 2.5 | 38        |
| 3473 | Analysis of Stage-Specific Gene Expression Profiles in the Uterine Endometrium during Pregnancy in Pigs. PLoS ONE, 2015, 10, e0143436.   | 2.5 | 20        |
| 3474 | Functional Cross-Talking between Differentially Expressed and Alternatively Spliced Genes in Human Liver Cancer Cells Treated with Berberine. PLoS ONE, 2015, 10, e0143742.                                  | 2.5 | 11        |
| 3475 | Expression Profiling after Prolonged Experimental Febrile Seizures in Mice Suggests Structural Remodeling in the Hippocampus. PLoS ONE, 2015, 10, e0145247.  | 2.5 | 13        |
| 3476 | Size of the Ovulatory Follicle Dictates Spatial Differences in the Oviductal Transcriptome in Cattle. PLoS ONE, 2015, 10, e0145321.  | 2.5 | 29        |
| 3477 | Maternal Melatonin Therapy Rescues Prenatal Dexamethasone and Postnatal High-Fat Diet Induced Programmed Hypertension in Male Rat Offspring. Frontiers in Physiology, 2015, 6, 377.                          | 2.8 | 41        |
| 3479 | Identification of potential therapeutic targets for melanoma using gene expression analysis. Neoplasia, 2015, 62, 733-739.   | 1.6 | 10        |
| 3480 | Comprehensive Screening of Gene Function and Networks by DNA Microarray Analysis in Japanese Patients with Idiopathic Portal Hypertension. Mediators of Inflammation, 2015, 2015, 1-10.                      | 3.0 | 17        |
| 3481 | Detecting Key Genes Regulated by miRNAs in Dysfunctional Crosstalk Pathway of Myasthenia Gravis. BioMed Research International, 2015, 2015, 1-10.  | 1.9 | 12        |
| 3482 | Embryonic attenuated Wnt/ $\beta$ -catenin signaling defines niche location and long-term stem cell fate in hair follicle. ELife, 2015, 4, e10567.   | 6.0 | 57        |
| 3483 | Lysosome and Cytoskeleton Pathways Are Robustly Enriched in the Blood of Septic Patients: A Meta-Analysis of Transcriptomic Data. Mediators of Inflammation, 2015, 2015, 1-15.                               | 3.0 | 24        |
| 3484 | Improving the Understanding of Pathogenesis of Human Papillomavirus 16 via Mapping Protein-Protein Interaction Network. BioMed Research International, 2015, 2015, 1-10.                                     | 1.9 | 8         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3485 | Discover the Molecular Biomarker Associated with Cell Death and Extracellular Matrix Module in Ovarian Cancer. <i>BioMed Research International</i> , 2015, 2015, 1-6.  | 1.9  | 1         |
| 3486 | Whole-transcriptome analysis of flow-sorted cervical cancer samples reveals that B cell expressed TCL1A is correlated with improved survival. <i>Oncotarget</i> , 2015, 6, 38681-38694.   | 1.8  | 15        |
| 3487 | Network-based approach to identify prognostic biomarkers for estrogen receptorâ€“positive breast cancer treatment with tamoxifen. <i>Cancer Biology and Therapy</i> , 2015, 16, 317-324.  | 3.4  | 72        |
| 3488 | Copy number variations and genetic admixtures in three Xinjiang ethnic minority groups. <i>European Journal of Human Genetics</i> , 2015, 23, 536-542.  | 2.8  | 22        |
| 3489 | Evidence that MHC I-E dampens thyroid autoantibodies and prevents spreading to a second thyroid autoantigen in I-Ak NOD mice. <i>Genes and Immunity</i> , 2015, 16, 268-274.  | 4.1  | 25        |
| 3490 | Prmt5 is a regulator of muscle stem cell expansion in adult mice. <i>Nature Communications</i> , 2015, 6, 7140.   | 12.8 | 98        |
| 3491 | Biochemical and bioinformatic methods for elucidating the role of RNAâ€“protein interactions in posttranscriptional regulation. <i>Briefings in Functional Genomics</i> , 2015, 14, 102-114.  | 2.7  | 10        |
| 3492 | From Raw Data to Biological Discoveries: A Computational Analysis Pipeline for Mass Spectrometry-Based Proteomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1820-1826.  | 2.8  | 17        |
| 3493 | Position-specific binding of FUS to nascent RNA regulates mRNA length. <i>Genes and Development</i> , 2015, 29, 1045-1057.  | 5.9  | 98        |
| 3494 | Differential expression and alternative splicing of cell cycle genes in imatinib-treated K562 cells. <i>Tumor Biology</i> , 2015, 36, 8127-8136.  | 1.8  | 3         |
| 3495 | Deciphering the pharmacological mechanism of the Chinese formula Huanglian-Jie-Du decoction in the treatment of ischemic stroke using a systems biology-based strategy. <i>Acta Pharmacologica Sinica</i> , 2015, 36, 724-733.  | 6.1  | 36        |
| 3496 | A systematic investigation based on microRNA-mediated gene regulatory network reveals that dysregulation of microRNA-19a/Cyclin D1 axis confers an oncogenic potential and a worse prognosis in human hepatocellular carcinoma. <i>RNA Biology</i> , 2015, 12, 643-657. | 3.1  | 33        |
| 3497 | Transcriptional changes associated with resistance to inhibitors of epidermal growth factor receptor revealed using metaanalysis. <i>BMC Cancer</i> , 2015, 15, 369.  | 2.6  | 4         |
| 3498 | Inferring data-specific micro-RNA function through the joint ranking of micro-RNA and pathways from matched micro-RNA and gene expression data. <i>Bioinformatics</i> , 2015, 31, 2822-2828.  | 4.1  | 4         |
| 3499 | A fluorescent bimolecular complementation screen reveals MAF1, RNF7 and SETD3 as PCNA-associated proteins in human cells. <i>Cell Cycle</i> , 2015, 14, 2509-2519.  | 2.6  | 19        |
| 3500 | Genome-wide DNA methylation analysis in dermal fibroblasts from patients with diffuse and limited systemic sclerosis reveals common and subset-specific DNA methylation aberrancies. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 1612-1620.                     | 0.9  | 148       |
| 3501 | Scoring Largeâ€“Scale Affinity Purification Mass Spectrometry Datasets with MiST. <i>Current Protocols in Bioinformatics</i> , 2015, 49, 8.19.1-8.19.16.  | 25.8 | 58        |
| 3502 | Maternal fructose-intake-induced renal programming in adult male offspring. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 642-650.   | 4.2  | 57        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3503 | Integration of gene expression and GWAS results supports involvement of calcium signaling in Schizophrenia. <i>Schizophrenia Research</i> , 2015, 164, 92-99.  | 2.0  | 31        |
| 3504 | Prenatal dexamethasone-induced programmed hypertension and renal programming. <i>Life Sciences</i> , 2015, 132, 41-48.   | 4.3  | 40        |
| 3505 | Transcriptomic profiles of aging in purified human immune cells. <i>BMC Genomics</i> , 2015, 16, 333.  | 2.8  | 58        |
| 3506 | Wilms's tumor gene 1 regulates p63 and promotes cell proliferation in squamous cell carcinoma of the head and neck. <i>BMC Cancer</i> , 2015, 15, 342.   | 2.6  | 11        |
| 3507 | Transcriptional profiling of PRKG2-null growth plate identifies putative down-stream targets of PRKG2. <i>BMC Research Notes</i> , 2015, 8, 177.   | 1.4  | 9         |
| 3508 | Dysregulated mechanisms underlying Duchenne muscular dystrophy from co-expression network preservation analysis. <i>BMC Research Notes</i> , 2015, 8, 182.   | 1.4  | 24        |
| 3509 | Ascorbic Acid-Induced Cardiac Differentiation of Murine Pluripotent Stem Cells: Transcriptional Profiling and Effect of a Small Molecule Synergist of Wnt/ $\beta$ 2-Catenin Signaling Pathway. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 810-830. | 1.6  | 23        |
| 3510 | Transcriptomic profiling of linolenic acid-responsive genes in ROS signaling from RNA-seq data in Arabidopsis. <i>Frontiers in Plant Science</i> , 2015, 6, 122.   | 3.6  | 51        |
| 3511 | Transcriptome Analysis of Porphyrin-Accumulated and X-Ray-Irradiated Cell Cultures under Limited Proliferation and Non-Lethal Conditions. <i>Microarrays (Basel, Switzerland)</i> , 2015, 4, 25-40.  | 1.4  | 11        |
| 3512 | The Role of DNA Insertions in Phenotypic Differentiation between Humans and Other Primates. <i>Genome Biology and Evolution</i> , 2015, 7, 1168-1178.  | 2.5  | 5         |
| 3513 | Profiling of promoter occupancy by the SND1 transcriptional coactivator identifies downstream glycerolipid metabolic genes involved in TNF $\alpha$ response in human hepatoma cells. <i>Nucleic Acids Research</i> , 2015, 43, 10673-10688.                     | 14.5 | 27        |
| 3514 | Retinoblastoma protein promotes oxidative phosphorylation through upregulation of glycolytic genes in oncogene-induced senescent cells. <i>Aging Cell</i> , 2015, 14, 689-697.   | 6.7  | 53        |
| 3515 | Comparative proteomic analysis of plasma from bipolar depression and depressive disorder: identification of proteins associated with immune regulatory. <i>Protein and Cell</i> , 2015, 6, 908-911.  | 11.0 | 22        |
| 3516 | Transcriptome profile of liver at different physiological stages reveals potential mode for lipid metabolism in laying hens. <i>BMC Genomics</i> , 2015, 16, 763.  | 2.8  | 89        |
| 3517 | MVDA: a multi-view genomic data integration methodology. <i>BMC Bioinformatics</i> , 2015, 16, 261.  | 2.6  | 62        |
| 3518 | A simplicial complex-based approach to unmixing tumor progression data. <i>BMC Bioinformatics</i> , 2015, 16, 254.   | 2.6  | 11        |
| 3519 | Selective Coregulator Function and Restriction of Steroid Receptor Chromatin Occupancy by Hic-5. <i>Molecular Endocrinology</i> , 2015, 29, 716-729.   | 3.7  | 19        |
| 3520 | A Search for Parent-of-Origin Effects on Honey Bee Gene Expression. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1657-1662.  | 1.8  | 41        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3521 | PAGER: constructing PAGs and new PAGs-PAG relationships for network biology. <i>Bioinformatics</i> , 2015, 31, i250-i257.   | 4.1  | 21        |
| 3522 | Genome-wide gene expression analysis for target genes to differentiate patients with intestinal tuberculosis and Crohn's disease and discriminative value of FOXP3 mRNA expression. <i>Gastroenterology Report</i> , 2016, 4, gov015. | 1.3  | 11        |
| 3523 | EvoTol: a protein-sequence based evolutionary intolerance framework for disease-gene prioritization. <i>Nucleic Acids Research</i> , 2015, 43, e33-e33.   | 14.5 | 33        |
| 3524 | The impact of genetic variation and cigarette smoke on DNA methylation in current and former smokers from the COPD Gene study. <i>Epigenetics</i> , 2015, 10, 1064-1073.  | 2.7  | 31        |
| 3525 | Acute Cellular Rejection Elicits Distinct MicroRNA Signatures in Airway Epithelium of Lung Transplant Patients. <i>Transplantation Direct</i> , 2015, 1, e44.   | 1.6  | 8         |
| 3526 | Integrative analysis of miRNA and mRNA profiles in response to myricetin in human endothelial cells. <i>Biochip Journal</i> , 2015, 9, 239-246.   | 4.9  | 5         |
| 3527 | Distributed processing of biological interactions using Hadoop. , 2015, , .   |      | 0         |
| 3528 | Quantitative dynamic imaging of immune cell signalling using lentiviral gene transfer. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 713-725.  | 1.3  | 40        |
| 3529 | Response and survival of breast cancer intrinsic subtypes following multi-agent neoadjuvant chemotherapy. <i>BMC Medicine</i> , 2015, 13, 303.  | 5.5  | 113       |
| 3530 | Pathways related to PMA-differentiated THP1 human monocytic leukemia cells revealed by RNA-Seq. <i>Science China Life Sciences</i> , 2015, 58, 1282-1287.   | 4.9  | 33        |
| 3531 | Cognitive Computing: A Brief Survey and Open Research Challenges. , 2015, , .   |      | 22        |
| 3532 | Bioinformatics Analysis of Proteome Changes in Calu-3 Cell Infected by Influenza A Virus (H5N1). <i>Journal of Molecular Microbiology and Biotechnology</i> , 2015, 25, 311-319.  | 1.0  | 1         |
| 3533 | The organic osmolyte betaine induces keratin 2 expression in rat epidermal keratinocytes - A genome-wide study in UVB irradiated organotypic 3D cultures. <i>Toxicology in Vitro</i> , 2015, 30, 462-475.                             | 2.4  | 5         |
| 3534 | High-throughput alternative splicing detection using dually constrained correspondence analysis (DCCA). <i>Journal of Biomedical Informatics</i> , 2015, 58, 175-185.   | 4.3  | 8         |
| 3535 | In-depth analysis of the critical genes and pathways in colorectal cancer. <i>International Journal of Molecular Medicine</i> , 2015, 36, 923-930.  | 4.0  | 20        |
| 3536 | Identification of biomarkers with a tumor stage-dependent expression and exploration of the mechanism involved in laryngeal squamous cell carcinoma. <i>Oncology Reports</i> , 2015, 34, 2627-2635.                                   | 2.6  | 9         |
| 3537 | iTRAQ-based quantitative proteomic analysis of cerebrospinal fluid reveals NELL2 as a potential diagnostic biomarker of tuberculous meningitis. <i>International Journal of Molecular Medicine</i> , 2015, 35, 1323-1332.             | 4.0  | 19        |
| 3538 | Understanding the molecular aspects of oriental obesity pattern differentiation using DNA microarray. <i>Journal of Translational Medicine</i> , 2015, 13, 331.   | 4.4  | 1         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3539 | The homeobox gene <i>DLX4</i> regulates erythro-megakaryocytic differentiation by stimulating IL-1/NF- $\kappa$ B signaling. <i>Journal of Cell Science</i> , 2015, 128, 3055-67.   | 2.0  | 12        |
| 3540 | Identification of Key Genes and Pathways in Renal Cell Carcinoma Through Expression Profiling Data. <i>Kidney and Blood Pressure Research</i> , 2015, 40, 288-297.  | 2.0  | 42        |
| 3541 | Comprehensive Transcriptome Analysis Reveals Accelerated Genic Evolution in a Tibet Fish, <i>Gymnodiptychus pachycheilus</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 251-261.  | 2.5  | 112       |
| 3542 | Stage-specific signaling pathways during murine testis development and spermatogenesis: A pathway-based analysis to quantify developmental dynamics. <i>Reproductive Toxicology</i> , 2015, 51, 31-39.  | 2.9  | 5         |
| 3543 | Frequent involvement of chromatin remodeler alterations in gastric field cancerization. <i>Cancer Letters</i> , 2015, 357, 328-338.   | 7.2  | 55        |
| 3544 | Zic2 Is an Enhancer-Binding Factor Required for Embryonic Stem Cell Specification. <i>Molecular Cell</i> , 2015, 57, 685-694.   | 9.7  | 92        |
| 3545 | mRNA expression profiles in circulating tumor cells of metastatic colorectal cancer patients. <i>Molecular Oncology</i> , 2015, 9, 920-932.   | 4.6  | 37        |
| 3546 | The Amniotic Fluid Transcriptome as a Guide to Understanding Fetal Disease. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a023101-a023101.  | 6.2  | 32        |
| 3547 | The over-expression of aquaporin-1 alters erythroid gene expression in human erythroleukemia K562 cells. <i>Tumor Biology</i> , 2015, 36, 291-302.  | 1.8  | 7         |
| 3548 | In silico identification of conserved microRNAs and their targets in bovine fat tissue. <i>Gene</i> , 2015, 559, 119-128.   | 2.2  | 13        |
| 3549 | Identification of proteins associated with Aha1 in HeLa cells by quantitative proteomics. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 365-380.   | 2.3  | 10        |
| 3550 | DNA microarray analysis of the antihypertensive effect of milk fermented by <i>Lactobacillus helveticus</i> H9 on spontaneously hypertensive rats. <i>Dairy Science and Technology</i> , 2015, 95, 321-330.   | 2.2  | 2         |
| 3551 | Loss of Cdh1 and Trp53 in the uterus induces chronic inflammation with modification of tumor microenvironment. <i>Oncogene</i> , 2015, 34, 2471-2482.   | 5.9  | 24        |
| 3552 | Characterization of the nasopharyngeal carcinoma methylome identifies aberrant disruption of key signaling pathways and methylated tumor suppressor genes. <i>Epigenomics</i> , 2015, 7, 155-173.   | 2.1  | 52        |
| 3553 | Human PrimPol is a highly error-prone polymerase regulated by single-stranded DNA binding proteins. <i>Nucleic Acids Research</i> , 2015, 43, 1056-1068.  | 14.5 | 93        |
| 3554 | Zebrafish liver (ZFL) cells are able to mount an anti-viral response after stimulation with Poly (I:C). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015, 182, 55-63.   | 1.6  | 18        |
| 3555 | The gene expression profile of porcine alveolar macrophages infected with a highly pathogenic porcine reproductive and respiratory syndrome virus indicates overstimulation of the innate immune system by the virus. <i>Archives of Virology</i> , 2015, 160, 649-662. | 2.1  | 16        |
| 3556 | Inference on differences between classes using cluster-specific contrasts of mixed effects. <i>Biostatistics</i> , 2015, 16, 98-112.  | 1.5  | 14        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3557 | Automatic Teachingâ€“Learning-Based Optimization: A Novel Clustering Method for Gene Functional Enrichments. SpringerBriefs in Applied Sciences and Technology, 2015, , 17-35.  | 0.4  | 7         |
| 3558 | Resistin-Like Molecule Î± in Allergen-Induced Pulmonary Vascular Remodeling. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 303-313.   | 2.9  | 18        |
| 3559 | Analysis of gene expression identifies candidate markers and pathways in pre-eclampsia. Journal of Obstetrics and Gynaecology, 2015, 35, 578-584.   | 0.9  | 33        |
| 3560 | The clinicopathological and gene expression patterns associated with ulceration of primary melanoma. Pigment Cell and Melanoma Research, 2015, 28, 94-104.  | 3.3  | 26        |
| 3561 | The Novel Small Leucine-rich Protein Chondroadherin-like (CHADL) Is Expressed in Cartilage and Modulates Chondrocyte Differentiation. Journal of Biological Chemistry, 2015, 290, 918-925.  | 3.4  | 30        |
| 3562 | Identification of copy number variations in Qinchuan cattle using BovineHD Genotyping Beadchip array. Molecular Genetics and Genomics, 2015, 290, 319-327.  | 2.1  | 48        |
| 3563 | A search for protein biomarkers links olfactory signal transduction to social immunity. BMC Genomics, 2015, 16, 63.   | 2.8  | 45        |
| 3564 | A Systems Biology Perspective on the Molecular Mechanisms Underlying the Therapeutic Effects of Buyang Huanwu Decoction on Ischemic Stroke. Rejuvenation Research, 2015, 18, 313-325.   | 1.8  | 31        |
| 3565 | Integrative analysis of lung developmentâ€“cancer expression associations reveals the roles of signatures with inverse expression patterns. Molecular BioSystems, 2015, 11, 1271-1284.  | 2.9  | 9         |
| 3566 | Mutations in early follicular lymphoma progenitors are associated with suppressed antigen presentation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1116-25.   | 7.1  | 307       |
| 3567 | Time-restricted feeding attenuates age-related cardiac decline in <i>Drosophila</i> . Science, 2015, 347, 1265-1269.  | 12.6 | 223       |
| 3568 | Peripheral blood mononuclear cell gene expression profile in obese boys who followed a moderate energy-restricted diet: differences between high and low responders at baseline and after the intervention. British Journal of Nutrition, 2015, 113, 331-342. | 2.3  | 25        |
| 3569 | Oscillatory Shear Stress Mediates Directional Reorganization of Actin Cytoskeleton and Alters Differentiation Propensity of Mesenchymal Stem Cells. Stem Cells, 2015, 33, 429-442.  | 3.2  | 50        |
| 3570 | Effects of an 11-nm DMSA-coated iron nanoparticle on the gene expression profile of two human cell lines, THP-1 and HepG2. Journal of Nanobiotechnology, 2015, 13, 3.   | 9.1  | 16        |
| 3571 | Identification of potential genomic biomarkers for Sjögrenâ€™s syndrome using data pooling of gene expression microarrays. Rheumatology International, 2015, 35, 829-836.   | 3.0  | 55        |
| 3572 | Identification and validation of gene module associated with lung cancer through coexpression network analysis. Gene, 2015, 563, 56-62.   | 2.2  | 37        |
| 3573 | Identification of targets for rational pharmacological therapy in childhood craniopharyngioma. Acta Neuropathologica Communications, 2015, 3, 30.   | 5.2  | 85        |
| 3574 | Epigenetic and in vivo comparison of diverse MSC sources reveals an endochondral signature for human hematopoietic niche formation. Blood, 2015, 125, 249-260.  | 1.4  | 201       |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3575 | Tracking global gene expression responses in T cell differentiation. <i>Gene</i> , 2015, 569, 259-266.  | 2.2 | 20        |
| 3576 | Transcriptomic changes in mouse embryonic stem cells exposed to thalidomide during spontaneous differentiation. <i>Data in Brief</i> , 2015, 4, 199-202.  | 1.0 | 4         |
| 3577 | Profiling signaling proteins in human spermatozoa: biomarker identification for sperm quality evaluation. <i>Fertility and Sterility</i> , 2015, 104, 845-856.e8.   | 1.0 | 36        |
| 3578 | Comparative transcriptome analysis reveals that the extracellular matrix receptor interaction contributes to the venous metastases of hepatocellular carcinoma. <i>Cancer Genetics</i> , 2015, 208, 482-491.                      | 0.4 | 52        |
| 3579 | Transcriptomic analysis provides insight into high-altitude acclimation in domestic goats. <i>Gene</i> , 2015, 567, 208-216.  | 2.2 | 26        |
| 3580 | Prediction of feature genes in trauma patients with the TNF rs1800629 A allele using support vector machine. <i>Computers in Biology and Medicine</i> , 2015, 64, 24-29.  | 7.0 | 4         |
| 3581 | Analysis of copy number variations by SNP50 BeadChip array in Chinese sheep. <i>Genomics</i> , 2015, 106, 295-300.  | 2.9 | 18        |
| 3582 | A new mib allele with a chromosomal deletion covering foxc1a exhibits anterior somite specification defect. <i>Scientific Reports</i> , 2015, 5, 10673.   | 3.3 | 10        |
| 3583 | An epigenomic role of Fe65 in the cellular response to DNA damage. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 776, 40-47.   | 1.0 | 6         |
| 3584 | Maternal diabetes induces changes in the umbilical cord gene expression. <i>Placenta</i> , 2015, 36, 767-774.   | 1.5 | 10        |
| 3585 | Gene expression profiling by high throughput sequencing to determine signatures for the bovine receptive uterus at early gestation. <i>Genomics Data</i> , 2015, 5, 94-96.  | 1.3 | 2         |
| 3586 | Role of the anti-glioma drug AT13148 in the inhibition of Notch signaling pathway. <i>Gene</i> , 2015, 573, 153-159.  | 2.2 | 4         |
| 3587 | Systematic investigation of hierarchical phosphorylation by protein kinase CK2. <i>Journal of Proteomics</i> , 2015, 118, 49-62.  | 2.4 | 64        |
| 3588 | Quantitative Proteomics Reveals the Essential Roles of Stromal Interaction Molecule 1 (STIM1) in the Testicular Cord Formation in Mouse Testis. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2682-2691.                   | 3.8 | 23        |
| 3589 | ABCG2 Localizes to the Nucleus and Modulates CDH1 Expression in Lung Cancer Cells. <i>Neoplasia</i> , 2015, 17, 265-278.  | 5.3 | 45        |
| 3590 | Blood-based gene-expression biomarkers of post-traumatic stress disorder among deployed marines: A pilot study. <i>Psychoneuroendocrinology</i> , 2015, 51, 472-494.  | 2.7 | 54        |
| 3591 | Microbial Forensics: Predicting Phenotypic Characteristics and Environmental Conditions from Large-Scale Gene Expression Profiles. <i>PLoS Computational Biology</i> , 2015, 11, e1004127.  | 3.2 | 26        |
| 3592 | Combined Metabolomics and Proteomics Analysis of Major Depression in an Animal Model: Perturbed Energy Metabolism in the Chronic Mild Stressed Rat Cerebellum. <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 383-392. | 2.0 | 80        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3593 | A feature analysis of lower solubility proteins in three eukaryotic systems. <i>Journal of Proteomics</i> , 2015, 118, 21-38.  | 2.4  | 15        |
| 3594 | Genome-wide burden of deleterious coding variants increased in schizophrenia. <i>Nature Communications</i> , 2015, 6, 7501.  | 12.8 | 22        |
| 3595 | Thalidomide induced early gene expression perturbations indicative of human embryopathy in mouse embryonic stem cells. <i>Toxicology and Applied Pharmacology</i> , 2015, 287, 43-51.      | 2.8  | 10        |
| 3596 | Identifying influential nodes in a wound healing-related network of biological processes using mean first-passage time. <i>New Journal of Physics</i> , 2015, 17, 025002.                  | 2.9  | 14        |
| 3597 | Vitamin B <sub>12</sub> modulates the transcriptome of the skin microbiota in acne pathogenesis. <i>Science Translational Medicine</i> , 2015, 7, 293ra103.                                | 12.4 | 138       |
| 3598 | Identification of adenine modulating AMPK activation in NIH/3T3 cells by proteomic approach. <i>Journal of Proteomics</i> , 2015, 120, 204-214.  | 2.4  | 14        |
| 3599 | Genes involved in keratinization, keratinocyte and epithelium differentiation are aberrantly regulated in oral lichen planus. <i>Genes and Genomics</i> , 2015, 37, 751-757.               | 1.4  | 0         |
| 3600 | Bioinformatic analysis of specific genes in diabetic nephropathy. <i>Renal Failure</i> , 2015, 37, 1219-1224.  | 2.1  | 6         |
| 3601 | How data analysis affects power, reproducibility and biological insight of RNA-seq studies in complex datasets. <i>Nucleic Acids Research</i> , 2015, 43, 7664-7674.                       | 14.5 | 90        |
| 3602 | Parallel Gene Expression Changes in Sarcoidosis Involving the Lacrimal Gland, Orbital Tissue, or Blood. <i>JAMA Ophthalmology</i> , 2015, 133, 770.  | 2.5  | 31        |
| 3603 | Extracts from presumed "reduced harm" cigarettes induce equivalent or greater toxicity in antigen-presenting cells. <i>Toxicology</i> , 2015, 335, 46-54.                                  | 4.2  | 2         |
| 3604 | Orbital pseudotumor can be a localized form of granulomatosis with polyangiitis as revealed by gene expression profiling. <i>Experimental and Molecular Pathology</i> , 2015, 99, 271-278. | 2.1  | 33        |
| 3605 | Divergence of dim-light vision among bats (order: Chiroptera) as estimated by molecular and electrophysiological methods. <i>Scientific Reports</i> , 2015, 5, 11531.                      | 3.3  | 12        |
| 3606 | A draft network of ligand-receptor-mediated multicellular signalling in human. <i>Nature Communications</i> , 2015, 6, 7866.   | 12.8 | 676       |
| 3607 | Alterations of a Cellular Cholesterol Metabolism Network Are a Molecular Feature of Obesity-Related Type 2 Diabetes and Cardiovascular Disease. <i>Diabetes</i> , 2015, 64, 3464-3474.     | 0.6  | 82        |
| 3608 | Identification of lncRNA MEG3 Binding Protein Using MS2-Tagged RNA Affinity Purification and Mass Spectrometry. <i>Applied Biochemistry and Biotechnology</i> , 2015, 176, 1834-1845.      | 2.9  | 18        |
| 3609 | FOXG1-Dependent Dysregulation of GABA/Glutamate Neuron Differentiation in Autism Spectrum Disorders. <i>Cell</i> , 2015, 162, 375-390.   | 28.9 | 894       |
| 3610 | Acute Targeting of General Transcription Factor IIB Restricts Cardiac Hypertrophy via Selective Inhibition of Gene Transcription. <i>Circulation: Heart Failure</i> , 2015, 8, 138-148.    | 3.9  | 22        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3611 | Highly Constrained Intergenic Drosophila Ultraconserved Elements Are Candidate ncRNAs. <i>Genome Biology and Evolution</i> , 2015, 7, 689-698.  | 2.5 | 16        |
| 3612 | Genomic characteristics of miscarriage copy number variants. <i>Molecular Human Reproduction</i> , 2015, 21, 655-661.   | 2.8 | 28        |
| 3613 | Identifying genes related with rheumatoid arthritis via system biology analysis. <i>Gene</i> , 2015, 571, 97-106.   | 2.2 | 8         |
| 3614 | Loss of NFIX Transcription Factor Biases Postnatal Neural Stem/Progenitor Cells Toward Oligodendrogenesis. <i>Stem Cells and Development</i> , 2015, 24, 2114-2126.   | 2.1 | 21        |
| 3615 | A proteomic perspective on the changes in milk proteins due to high somatic cell count. <i>Journal of Dairy Science</i> , 2015, 98, 5339-5351.  | 3.4 | 33        |
| 3616 | Ataxin-2 Regulates RGS8 Translation in a New BAC-SCA2 Transgenic Mouse Model. <i>PLoS Genetics</i> , 2015, 11, e1005182.  | 3.5 | 70        |
| 3617 | Identification and characterization of MicroRNAs in acrolein-stimulated endothelial cells: Implications for vascular disease. <i>Biochip Journal</i> , 2015, 9, 144-155.  | 4.9 | 7         |
| 3618 | Label-free quantitative proteomic analysis reveals strong involvement of complement alternative and terminal pathways in human glomerular sclerotic lesions. <i>Journal of Proteomics</i> , 2015, 123, 89-100.                        | 2.4 | 5         |
| 3619 | Unraveling regulatory mechanisms of atrial remodeling of mitral regurgitation pigs by gene expression profiling analysis: role of type I angiotensin II receptor antagonist. <i>Translational Research</i> , 2015, 165, 599-620.      | 5.0 | 10        |
| 3620 | Destabilization of pluripotency in the absence of Mad2l2. <i>Cell Cycle</i> , 2015, 14, 1596-1610.  | 2.6 | 13        |
| 3621 | Knockdown of transcription factor forkhead box O3 (FOXO3) suppresses erythroid differentiation in human cells and zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 923-930.                         | 2.1 | 13        |
| 3622 | Uncovering pharmacological mechanisms of Wu-tou decoction acting on rheumatoid arthritis through systems approaches: drug-target prediction, network analysis and experimental validation. <i>Scientific Reports</i> , 2015, 5, 9463. | 3.3 | 91        |
| 3623 | Insights into protein interaction networks reveal non-receptor kinases as significant druggable targets for psoriasis. <i>Gene</i> , 2015, 566, 138-147.  | 2.2 | 8         |
| 3624 | Transcription-Dependent Generation of a Specialized Chromatin Structure at the TCRÎ² Locus. <i>Journal of Immunology</i> , 2015, 194, 3432-3443.  | 0.8 | 10        |
| 3625 | MPTPâ€™s Pathway of Toxicity Indicates Central Role of Transcription Factor SP1. <i>Archives of Toxicology</i> , 2015, 89, 743-755.   | 4.2 | 33        |
| 3626 | Identification of biological processes and genes for gestational diabetes mellitus. <i>Archives of Gynecology and Obstetrics</i> , 2015, 292, 635-640.  | 1.7 | 10        |
| 3627 | Exome sequencing as a tool for short stature gene discovery: analysis of a Korean family with pseudohypoparathyroidism. <i>Genes and Genomics</i> , 2015, 37, 339-346.  | 1.4 | 0         |
| 3628 | Transcriptional response of human umbilical vein endothelial cell to H9N2 influenza virus infection. <i>Virology</i> , 2015, 482, 117-127.  | 2.4 | 8         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3629 | Technical data of the transcriptomic analysis performed on tsetse fly symbionts, <i>Sodalis glossinidius</i> and <i>Wigglesworthia glossinidia</i> , harbored, respectively by non-infected, <i>Trypanosoma brucei</i> gambiense infected and self-cured <i>Glossina palpalis gambiensis</i> tsetse flies. <i>Genomics Data</i> , 2015, 4, 133-136. | 1.3  | 1         |
| 3630 | BACA: bubble chArt to compare annotations. <i>BMC Bioinformatics</i> , 2015, 16, 37.  | 2.6  | 16        |
| 3631 | Genome-wide detection and characterization of positive selection in Korean Native Black Pig from Jeju Island. <i>BMC Genetics</i> , 2015, 16, 3.  | 2.7  | 18        |
| 3632 | Global liver gene expression differences in Nelore steers with divergent residual feed intake phenotypes. <i>BMC Genomics</i> , 2015, 16, 242.  | 2.8  | 109       |
| 3633 | Human non-small cell lung cancer expresses putative cancer stem cell markers and exhibits the transcriptomic profile of multipotent cells. <i>BMC Cancer</i> , 2015, 15, 84.  | 2.6  | 103       |
| 3634 | Identification of Pivotal Markers in Vascular Dementia Based on Proteomics Data. <i>Dementia and Geriatric Cognitive Disorders</i> , 2015, 39, 312-320.   | 1.5  | 5         |
| 3635 | Integration of transcriptome and methylome analysis of aldosterone-producing adenomas. <i>European Journal of Endocrinology</i> , 2015, 173, 185-195.   | 3.7  | 46        |
| 3636 | DNA methylation changes in the placenta are associated with fetal manganese exposure. <i>Reproductive Toxicology</i> , 2015, 57, 43-49.   | 2.9  | 43        |
| 3637 | Argonaute 2 Binds Directly to tRNA Genes and Promotes Gene Repression in <i>cis</i> . <i>Molecular and Cellular Biology</i> , 2015, 35, 2278-2294.  | 2.3  | 31        |
| 3638 | Mapping Genetic Contributions to Cardiac Pathology Induced by Beta-Adrenergic Stimulation in Mice. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 40-49.  | 5.1  | 71        |
| 3639 | Comprehensive transcriptome analysis of mesenchymal stem cells in elderly patients with osteoporosis. <i>Aging Clinical and Experimental Research</i> , 2015, 27, 595-601.  | 2.9  | 16        |
| 3640 | Cigarette smoking hinders human periodontal ligament-derived stem cell proliferation, migration and differentiation potentials. <i>Scientific Reports</i> , 2015, 5, 7828.  | 3.3  | 73        |
| 3641 | Differential Gene Expression in Uterine Endometrium During Implantation in Pigs1. <i>Biology of Reproduction</i> , 2015, 92, 52.  | 2.7  | 31        |
| 3642 | Alteration of Cell-Cell and Cell-Matrix Adhesion in Urothelial Cells: An Oncogenic Mechanism for Mutant FGFR3. <i>Molecular Cancer Research</i> , 2015, 13, 138-148.  | 3.4  | 18        |
| 3643 | Mitochondrial and Nuclear Accumulation of the Transcription Factor ATFS-1 Promotes OXPHOS Recovery during the UPRmt. <i>Molecular Cell</i> , 2015, 58, 123-133.   | 9.7  | 354       |
| 3644 | Hippocampal transcriptional and neurogenic changes evoked by combination yohimbine and imipramine treatment. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 61, 1-9.   | 4.8  | 5         |
| 3646 | Host Response to the Lung Microbiome in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 438-445.  | 5.6  | 195       |
| 3647 | Interactions between horizontally acquired genes create a fitness cost in <i>Pseudomonas aeruginosa</i> . <i>Nature Communications</i> , 2015, 6, 6845.   | 12.8 | 147       |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3648 | Gene expression microarray analysis of the sciatic nerve of mice with diabetic neuropathy. International Journal of Molecular Medicine, 2015, 35, 333-339.   | 4.0  | 8         |
| 3649 | Biological pathways and networks implicated in psychiatric disorders. Current Opinion in Behavioral Sciences, 2015, 2, 58-68.  | 3.9  | 21        |
| 3650 | Screening for characteristic microRNAs between pre-invasive and invasive stages of cervical cancer. Molecular Medicine Reports, 2015, 12, 55-62.   | 2.4  | 7         |
| 3651 | The human transcriptome across tissues and individuals. Science, 2015, 348, 660-665.   | 12.6 | 1,127     |
| 3652 | Quantification of Extracellular Matrix Proteins from a Rat Lung Scaffold to Provide a Molecular Readout for Tissue Engineering. Molecular and Cellular Proteomics, 2015, 14, 961-973.  | 3.8  | 131       |
| 3653 | Network-based proteomic approaches reveal the neurodegenerative, neuroprotective and pain-related mechanisms involved after retrograde axonal damage. Scientific Reports, 2015, 5, 9185.   | 3.3  | 29        |
| 3654 | Constraints, independence, and evolution of thermal plasticity: Probing genetic architecture of long- and short-term thermal acclimation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4399-4404. | 7.1  | 144       |
| 3655 | Direct Involvement of Retinoblastoma Family Proteins in DNA Repair by Non-homologous End-Joining. Cell Reports, 2015, 10, 2006-2018.   | 6.4  | 62        |
| 3656 | KPC1-Mediated Ubiquitination and Proteasomal Processing of NF- $\kappa$ B1 p105 to p50 Restricts Tumor Growth. Cell, 2015, 161, 333-347.   | 28.9 | 89        |
| 3657 | Controlled induction of DNA double-strand breaks in the mouse liver induces features of tissue ageing. Nature Communications, 2015, 6, 6790.   | 12.8 | 90        |
| 3658 | Chronic toxicity evaluation of the flame retardant tris (2-butoxyethyl) phosphate (TBOEP) using Daphnia magna transcriptomic response. Chemosphere, 2015, 132, 159-165.  | 8.2  | 41        |
| 3659 | Storage time does not modify the gene expression profile of cryopreserved human metaphase II oocytes. Human Reproduction, 2015, 30, 2519-2526.   | 0.9  | 39        |
| 3660 | Graph-based unsupervised feature selection and multiview clustering for microarray data. Journal of Biosciences, 2015, 40, 755-767.  | 1.1  | 11        |
| 3661 | SILAC-based quantification of changes in protein tyrosine phosphorylation induced by Interleukin-2 (IL-2) and IL-15 in T-lymphocytes. Data in Brief, 2015, 5, 53-58.   | 1.0  | 16        |
| 3662 | Insights into Autism Spectrum Disorder Genomic Architecture and Biology from 71 Risk Loci. Neuron, 2015, 87, 1215-1233.  | 8.1  | 1,219     |
| 3663 | The DNA damage response induces inflammation and senescence by inhibiting autophagy of GATA4. Science, 2015, 349, aaa5612.   | 12.6 | 693       |
| 3664 | mRIN for direct assessment of genome-wide and gene-specific mRNA integrity from large-scale RNA-sequencing data. Nature Communications, 2015, 6, 7816.   | 12.8 | 59        |
| 3665 | RNA-Seq versus oligonucleotide array assessment of dose-dependent TCDD-elicited hepatic gene expression in mice. BMC Genomics, 2015, 16, 373.  | 2.8  | 31        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3666 | Gene expression profiling can predict the fate of HeLa cells exposed to X-ray irradiation with or without protoporphyrin accumulation. <i>Genomics Data</i> , 2015, 5, 192-194.   | 1.3  | 1         |
| 3667 | A comparative analysis of host responses to avian influenza infection in ducks and chickens highlights a role for the interferon-induced transmembrane proteins in viral resistance. <i>BMC Genomics</i> , 2015, 16, 574.   | 2.8  | 92        |
| 3668 | Transcriptome Analysis of Pig<i>In Vivo</i>,<i>In Vitro</i>â€Fertilized, and Nuclear Transfer Blastocyst-Stage Embryos Treated with Histone Deacetylase Inhibitors Postfusion and Activation Reveals Changes in the Lysosomal Pathway. <i>Cellular Reprogramming</i> , 2015, 17, 243-258. | 0.9  | 21        |
| 3669 | A mutation profile for top- <i>k</i> patient search exploiting Gene-Ontology and orthogonal non-negative matrix factorization. <i>Bioinformatics</i> , 2015, 31, 3653-3659.   | 4.1  | 12        |
| 3670 | Quality Control and Analysis of NGS RNA Sequencing Data. <i>Methods in Molecular Biology</i> , 2015, 1326, 217-232.   | 0.9  | 1         |
| 3671 | High-fat diet caused widespread epigenomic differences on hepatic methylome in rat. <i>Physiological Genomics</i> , 2015, 47, 514-523.  | 2.3  | 26        |
| 3673 | The autism-associated gene chromodomain helicase DNA-binding protein 8 (CHD8) regulates noncoding RNAs and autism-related genes. <i>Translational Psychiatry</i> , 2015, 5, e568-e568.  | 4.8  | 104       |
| 3675 | Ribosome profiling reveals translation control as a key mechanism generating differential gene expression in <i>Trypanosoma cruzi</i> . <i>BMC Genomics</i> , 2015, 16, 443.  | 2.8  | 121       |
| 3676 | Variation analysis of transcriptome changes reveals cochlear genes and their associated functions in cochlear susceptibility to acoustic overstimulation. <i>Hearing Research</i> , 2015, 330, 78-89.   | 2.0  | 19        |
| 3677 | Genome-wide identification of microRNAs regulating cholesterol and triglyceride homeostasis. <i>Nature Medicine</i> , 2015, 21, 1290-1297.  | 30.7 | 214       |
| 3678 | Causal Biological Network Database: A Comprehensive Platform of Causal Biological Network Models Focused on the Pulmonary and Vascular Systems. <i>Methods in Pharmacology and Toxicology</i> , 2015, , 65-93.  | 0.2  | 8         |
| 3679 | A new approach for investigating venom function applied to venom calreticulin in a parasitoid wasp. <i>Toxicon</i> , 2015, 107, 304-316.  | 1.6  | 32        |
| 3680 | Monocyte enhancers are highly altered in systemic lupus erythematosus. <i>Epigenomics</i> , 2015, 7, 921-935.   | 2.1  | 27        |
| 3682 | Combined serial analysis of gene expression and transcription factor binding site prediction identifies novel-candidate-target genes of Nr2e1 in neocortex development. <i>BMC Genomics</i> , 2015, 16, 545.  | 2.8  | 9         |
| 3684 | KnowEnG: a knowledge engine for genomics. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 1115-1119.  | 4.4  | 13        |
| 3685 | Bifidobacteria grown on human milk oligosaccharides downregulate the expression of inflammation-related genes in Caco-2 cells. <i>BMC Microbiology</i> , 2015, 15, 172.   | 3.3  | 67        |
| 3686 | Integration of Proteomics and Transcriptomics Data Sets for the Analysis of a Lymphoma B-Cell Line in the Context of the Chromosome-Centric Human Proteome Project. <i>Journal of Proteome Research</i> , 2015, 14, 3530-3540.  | 3.7  | 16        |
| 3687 | Molecular insight into thiopurine resistance: transcriptomic signature in lymphoblastoid cell lines. <i>Genome Medicine</i> , 2015, 7, 37.  | 8.2  | 19        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3688 | Genome-Wide Analysis of ChREBP Binding Sites on Male Mouse Liver and White Adipose Chromatin. <i>Endocrinology</i> , 2015, 156, 1982-1994.   | 2.8  | 78        |
| 3689 | Global Proteomic Analysis of Functional Compartments in Immature Avian Follicles Using Laser Microdissection Coupled to LC-MS/MS. <i>Journal of Proteome Research</i> , 2015, 14, 3912-3923.                                       | 3.7  | 8         |
| 3690 | Elevated host lipid metabolism revealed by iTRAQ-based quantitative proteomic analysis of cerebrospinal fluid of tuberculous meningitis patients. <i>Biochemical and Biophysical Research Communications</i> , 2015, 466, 689-695. | 2.1  | 18        |
| 3691 | Effects of dietary supplementation with docosahexaenoic acid (DHA) on hippocampal gene expression in streptozotocin induced diabetic C57Bl/6 mice. <i>Journal of Nutrition &amp; Intermediary Metabolism</i> , 2015, 2, 2-7.       | 1.7  | 1         |
| 3692 | Microarray profiling of long non-coding RNA (lncRNA) associated with hypertrophic cardiomyopathy. <i>BMC Cardiovascular Disorders</i> , 2015, 15, 62.  | 1.7  | 49        |
| 3694 | Identifying the biological pathways underlying human focal epilepsy: from complexity to coherence to centrality. <i>Human Molecular Genetics</i> , 2015, 24, 4306-4316.  | 2.9  | 45        |
| 3695 | Extraction of relations between genes and diseases from text and large-scale data analysis: implications for translational research. <i>BMC Bioinformatics</i> , 2015, 16, 55.   | 2.6  | 170       |
| 3696 | Biological processes and pathway changes in isoflurane-induced anesthesia revealed by bioinformatics analysis of gene expression profiles. <i>Journal of Anesthesia</i> , 2015, 29, 912-919.                                       | 1.7  | 2         |
| 3697 | Structural and biochemical changes underlying a keratoderma-like phenotype in mice lacking suprabasal AP1 transcription factor function. <i>Cell Death and Disease</i> , 2015, 6, e1647-e1647.                                     | 6.3  | 17        |
| 3698 | Defining the phospho-adhesome through the phosphoproteomic analysis of integrin signalling. <i>Nature Communications</i> , 2015, 6, 6265.  | 12.8 | 150       |
| 3699 | New Perspectives for the Rescue of Cognitive Disability in Down Syndrome. <i>Journal of Neuroscience</i> , 2015, 35, 13843-13852.  | 3.6  | 28        |
| 3700 | Exposure of mice to secondhand smoke elicits both transient and long-lasting transcriptional changes in cancer-related functional networks. <i>International Journal of Cancer</i> , 2015, 136, 2253-2263.                         | 5.1  | 11        |
| 3701 | Potential anti-cancer effect of curcumin in human lung squamous cell carcinoma. <i>Thoracic Cancer</i> , 2015, 6, 508-516.   | 1.9  | 25        |
| 3702 | Temporal gene expression profiling of the rat knee joint capsule during immobilization-induced joint contractures. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 125.   | 1.9  | 20        |
| 3703 | Evidence for Adaptation to the Tibetan Plateau Inferred from Tibetan Loach Transcriptomes. <i>Genome Biology and Evolution</i> , 2015, 7, 2970-2982.   | 2.5  | 70        |
| 3704 | Gene expression profiling of ovarian carcinomas and prognostic analysis of outcome. <i>Journal of Ovarian Research</i> , 2015, 8, 50.  | 3.0  | 10        |
| 3705 | A novel method for predicting post-translational modifications on serine and threonine sites by using site-modification network profiles. <i>Molecular BioSystems</i> , 2015, 11, 3092-3100.                                       | 2.9  | 16        |
| 3706 | The mRNA expression of soluble urokinase plasminogen activator surface receptor in human adipose tissue is positively correlated with body mass index. <i>Genome</i> , 2015, 58, 315-321.  | 2.0  | 5         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3707 | Prioritization of rheumatoid arthritis risk subpathways based on global immune subpathway interaction network and random walk strategy. <i>Molecular BioSystems</i> , 2015, 11, 2986-2997.                     | 2.9  | 8         |
| 3709 | Aging-Dependent Demethylation of Regulatory Elements Correlates with Chromatin State and Improved $\beta$ Cell Function. <i>Cell Metabolism</i> , 2015, 22, 619-632.   | 16.2 | 172       |
| 3710 | Larger aggregates of mutant seipin in Celia's Encephalopathy, a new protein misfolding neurodegenerative disease. <i>Neurobiology of Disease</i> , 2015, 83, 44-53.  | 4.4  | 14        |
| 3711 | The Receptive Endometrial Transcriptomic Signature Indicates an Earlier Shift from Proliferation to Metabolism at Early Diestrus in the Cow1. <i>Biology of Reproduction</i> , 2015, 93, 52.                   | 2.7  | 40        |
| 3712 | Potential role of differentially expressed lncRNAs in the pathogenesis of oral squamous cell carcinoma. <i>Archives of Oral Biology</i> , 2015, 60, 1581-1587.   | 1.8  | 40        |
| 3713 | MiRNA-TF-gene network analysis through ranking of biomolecules for multi-informative uterine leiomyoma dataset. <i>Journal of Biomedical Informatics</i> , 2015, 57, 308-319.                                  | 4.3  | 27        |
| 3714 | Identification of stable reference genes in differentiating human pluripotent stem cells. <i>Physiological Genomics</i> , 2015, 47, 232-239.   | 2.3  | 18        |
| 3715 | SPINK1 promotes colorectal cancer progression by downregulating Metallothioneins expression. <i>Oncogenesis</i> , 2015, 4, e162-e162.  | 4.9  | 50        |
| 3716 | Recent studies of ovine neuronal ceroid lipofuscinoses from BARN, the Batten Animal Research Network. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2279-2286.               | 3.8  | 29        |
| 3717 | Sympatric speciation revealed by genome-wide divergence in the blind mole rat <i>Spalax</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11905-11910. | 7.1  | 53        |
| 3718 | Protein-protein interaction network analysis and identifying regulation microRNAs in asthmatic children. <i>Allergologia Et Immunopathologia</i> , 2015, 43, 584-592.  | 1.7  | 13        |
| 3719 | Interaction of CDCP1 with HER2 Enhances HER2-Driven Tumorigenesis and Promotes Trastuzumab Resistance in Breast Cancer. <i>Cell Reports</i> , 2015, 11, 564-576.   | 6.4  | 52        |
| 3720 | Impact of vitamin C on the cardiometabolic and inflammatory profiles of mice lacking a functional Werner syndrome protein helicase. <i>Experimental Gerontology</i> , 2015, 72, 192-203.                       | 2.8  | 14        |
| 3721 | Peripheral challenge with a viral mimic upregulates expression of the complement genes in the hippocampus. <i>Journal of Neuroimmunology</i> , 2015, 285, 137-142.   | 2.3  | 15        |
| 3722 | A genome wide scan highlights differences in the genetic architecture of fat and protein contents in dairy sheep. <i>Small Ruminant Research</i> , 2015, 131, 21-28.   | 1.2  | 0         |
| 3723 | Isolated Rat Epididymal Basal Cells Share Common Properties with Adult Stem Cells1. <i>Biology of Reproduction</i> , 2015, 93, 115.  | 2.7  | 39        |
| 3724 | The Brakeless co-regulator can directly activate and repress transcription in early <i>Drosophila</i> embryos. <i>Developmental Biology</i> , 2015, 407, 173-181.  | 2.0  | 6         |
| 3725 | Recurrent internal tandem duplications of BCOR in clear cell sarcoma of the kidney. <i>Nature Communications</i> , 2015, 6, 8891.  | 12.8 | 126       |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3726 | Diet and endocrine effects on behavioral maturation-related gene expression in the <i>pars intercerebralis</i> of the honey bee brain. <i>Journal of Experimental Biology</i> , 2015, 218, 4005-14.     | 1.7  | 17        |
| 3727 | Systems toxicology identifies mechanistic impacts of 2-amino-4,6-dinitrotoluene (2A-DNT) exposure in Northern Bobwhite. <i>BMC Genomics</i> , 2015, 16, 587.  | 2.8  | 9         |
| 3728 | Therapeutic concentration of lithium stimulates complement $C_3$ production in dendritic cells and microglia via $GSK\alpha$ inhibition. <i>Glia</i> , 2015, 63, 257-270.                               | 4.9  | 19        |
| 3729 | Impaired alveolarization and intrauterine growth restriction in rats: a postnatal genome-wide analysis. <i>Journal of Pathology</i> , 2015, 235, 420-430.   | 4.5  | 33        |
| 3730 | Expression profiling of circulating tumor cells in metastatic breast cancer. <i>Breast Cancer Research and Treatment</i> , 2015, 149, 121-131.  | 2.5  | 48        |
| 3731 | Analysis of Differentially Expressed Genes Associated With Alzheimer's Disease Based on Bioinformatics Methods. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2015, 30, 746-751. | 1.9  | 5         |
| 3732 | Transcriptome organization for chronic alcohol abuse in human brain. <i>Molecular Psychiatry</i> , 2015, 20, 1438-1447.   | 7.9  | 111       |
| 3733 | Identification of nuclear hormone receptor pathways causing insulin resistance by transcriptional and epigenomic analysis. <i>Nature Cell Biology</i> , 2015, 17, 44-56.                                | 10.3 | 61        |
| 3734 | TRIM24 links glucose metabolism with transformation of human mammary epithelial cells. <i>Oncogene</i> , 2015, 34, 2836-2845.   | 5.9  | 50        |
| 3735 | Quantitative Proteomics of the Human Skin Secretome Reveal a Reduction in Immune Defense Mediators in Ectodermal Dysplasia Patients. <i>Journal of Investigative Dermatology</i> , 2015, 135, 759-767.  | 0.7  | 28        |
| 3736 | Dauer-independent insulin/IGF-1-signalling implicates collagen remodelling in longevity. <i>Nature</i> , 2015, 519, 97-101.   | 27.8 | 251       |
| 3737 | Identification of coexistence of DNA methylation and H3K27me3 specifically in cancer cells as a promising target for epigenetic therapy. <i>Carcinogenesis</i> , 2015, 36, 192-201.                     | 2.8  | 64        |
| 3738 | Stressor-induced proteome alterations in zebrafish: A meta-analysis of response patterns. <i>Aquatic Toxicology</i> , 2015, 159, 1-12.  | 4.0  | 25        |
| 3739 | Disruption of microRNA-21 by TALEN leads to diminished cell transformation and increased expression of cell-environment interaction genes. <i>Cancer Letters</i> , 2015, 356, 506-516.                  | 7.2  | 31        |
| 3740 | CbGRiTS: Cerebellar gene regulation in time and space. <i>Developmental Biology</i> , 2015, 397, 18-30.   | 2.0  | 22        |
| 3742 | Alzheimer's disease is associated with altered expression of genes involved in immune response and mitochondrial processes in astrocytes. <i>Neurobiology of Aging</i> , 2015, 36, 583-591.             | 3.1  | 156       |
| 3743 | Proteins associated with pancreatic cancer survival in patients with resectable pancreatic ductal adenocarcinoma. <i>Laboratory Investigation</i> , 2015, 95, 43-55.                                    | 3.7  | 44        |
| 3744 | Insight into the primary mode of action of $TiO_2$ nanoparticles on <i>Escherichia coli</i> in the dark. <i>Proteomics</i> , 2015, 15, 98-113.  | 2.2  | 104       |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3745 | Interferon Regulatory Factor 1 Marks Activated Genes and Can Induce Target Gene Expression in Systemic Lupus Erythematosus. <i>Arthritis and Rheumatology</i> , 2015, 67, 785-796.                                   | 5.6 | 31        |
| 3746 | PEGylation of ORMOSIL nanoparticles differently modulates the in vitro toxicity toward human lung cells. <i>Archives of Toxicology</i> , 2015, 89, 607-620.  | 4.2 | 17        |
| 3747 | Identification of disease-related miRNAs based on co-expression network in spinal cord injury. <i>International Journal of Neuroscience</i> , 2015, 125, 270-276.  | 1.6 | 9         |
| 3748 | GLUT12 deficiency during early development results in heart failure and a diabetic phenotype in zebrafish. <i>Journal of Endocrinology</i> , 2015, 224, 1-15.  | 2.6 | 32        |
| 3749 | Toxicogenomic analysis in the combined effect of tributyltin and benzo[a]pyrene on the development of zebrafish embryos. <i>Aquatic Toxicology</i> , 2015, 158, 157-164.   | 4.0 | 34        |
| 3750 | Genome-wide gene expression profiles of dental follicle stem cells. <i>Acta Odontologica Scandinavica</i> , 2015, 73, 93-100.  | 1.6 | 11        |
| 3751 | Functional annotation and biological interpretation of proteomics data. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 46-54.  | 2.3 | 45        |
| 3752 | Global Transcriptome Profiling of Genes that Are Differentially Regulated During Differentiation of Mouse Embryonic Neural Stem Cells into Astrocytes. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 109-125. | 2.3 | 31        |
| 3753 | Molecular classification of basal cell carcinoma of skin by gene expression profiling. <i>Molecular Carcinogenesis</i> , 2015, 54, 1605-1612.  | 2.7 | 22        |
| 3754 | The <i>Vibrio cholerae</i> Cpx Envelope Stress Response Senses and Mediates Adaptation to Low Iron. <i>Journal of Bacteriology</i> , 2015, 197, 262-276.   | 2.2 | 41        |
| 3755 | Response of NBS encoding resistance genes linked to both heat and fungal stress in <i>Brassica oleracea</i> . <i>Plant Physiology and Biochemistry</i> , 2015, 86, 130-136.  | 5.8 | 21        |
| 3756 | Identification of key genes affecting disease free survival time of pediatric acute lymphoblastic leukemia based on bioinformatic analysis. <i>Blood Cells, Molecules, and Diseases</i> , 2015, 54, 38-43.           | 1.4 | 10        |
| 3757 | Qualitative and quantitative peptidomic and proteomic approaches to phenotyping chicken semen. <i>Journal of Proteomics</i> , 2015, 112, 313-335.  | 2.4 | 80        |
| 3758 | Diet-dependent gene expression in honey bees: honey vs. sucrose or high fructose corn syrup. <i>Scientific Reports</i> , 2014, 4, 5726.  | 3.3 | 67        |
| 3759 | Argonaute CLIP-Seq reveals miRNA targetome diversity across tissue types. <i>Scientific Reports</i> , 2014, 4, 5947.   | 3.3 | 88        |
| 3760 | How to learn about gene function: text-mining or ontologies?. <i>Methods</i> , 2015, 74, 3-15.   | 3.8 | 24        |
| 3761 | High Quality RNA in Semen and Sperm: Isolation, Analysis and Potential Application in Clinical Testing. <i>Journal of Urology</i> , 2015, 193, 352-359.  | 0.4 | 35        |
| 3762 | H3K4me1 marks DNA regions hypomethylated during aging in human stem and differentiated cells. <i>Genome Research</i> , 2015, 25, 27-40.  | 5.5 | 119       |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3763 | Myostatin/activin blocking combined with exercise reconditions skeletal muscle expression profile of mdx mice. <i>Molecular and Cellular Endocrinology</i> , 2015, 399, 131-142.  | 3.2 | 21        |
| 3764 | A systems biology-based investigation into the therapeutic effects of Gansui Banxia Tang on reversing the imbalanced network of hepatocellular carcinoma. <i>Scientific Reports</i> , 2014, 4, 4154.                      | 3.3 | 52        |
| 3765 | The limitations of simple gene set enrichment analysis assuming gene independence. <i>Statistical Methods in Medical Research</i> , 2016, 25, 472-487.  | 1.5 | 86        |
| 3767 | Identification of differentially expressed genes affecting hair and cashmere growth in the Laiwu black goat by microarray. <i>Molecular Medicine Reports</i> , 2016, 14, 3823-3831.                                       | 2.4 | 4         |
| 3768 | Small-Molecule Inhibition of Rho/MKL/SRF Transcription in Prostate Cancer Cells: Modulation of Cell Cycle, ER Stress, and Metastasis Gene Networks. <i>Microarrays (Basel, Switzerland)</i> , 2016, 5, 13.                | 1.4 | 21        |
| 3769 | Screening of biomarkers for prediction of response to and prognosis after chemotherapy for breast cancers. <i>OncoTargets and Therapy</i> , 2016, 9, 2593.  | 2.0 | 12        |
| 3770 | Inferring the progression of multifocal liver cancer from spatial and temporal genomic heterogeneity. <i>Oncotarget</i> , 2016, 7, 2867-2877.   | 1.8 | 38        |
| 3771 | Expression of myogenes in longissimus dorsi muscle during prenatal development in commercial and local Piau pigs. <i>Genetics and Molecular Biology</i> , 2016, 39, 589-599.  | 1.3 | 8         |
| 3772 | Bioinformatics analysis of differentially expressed proteins in prostate cancer based on proteomics data. <i>OncoTargets and Therapy</i> , 2016, 9, 1545.   | 2.0 | 21        |
| 3773 | Molecular crosstalk between tumour and brain parenchyma instructs histopathological features in glioblastoma. <i>Oncotarget</i> , 2016, 7, 31955-31971.   | 1.8 | 69        |
| 3774 | Practical aspects of NGS-based pathways analysis for personalized cancer science and medicine. <i>Oncotarget</i> , 2016, 7, 52493-52516.  | 1.8 | 15        |
| 3775 | LINC00520 is induced by Src, STAT3, and PI3K and plays a functional role in breast cancer. <i>Oncotarget</i> , 2016, 7, 81981-81994.  | 1.8 | 48        |
| 3776 | Pericyte MyD88 and IRAK4 control inflammatory and fibrotic responses to tissue injury. <i>Journal of Clinical Investigation</i> , 2016, 127, 321-334.   | 8.2 | 113       |
| 3777 | Identification of Molecular Targets for Predicting Colon Adenocarcinoma. <i>Medical Science Monitor</i> , 2016, 22, 460-468.  | 1.1 | 13        |
| 3778 | DNA Microarray Analysis in Screening Features of Genes Involved in Spinal Cord Injury. <i>Medical Science Monitor</i> , 2016, 22, 1571-1581.  | 1.1 | 4         |
| 3779 | Leveraging Comparative Genomics to Identify and Functionally Characterize Genes Associated with Sperm Phenotypes in <i>Python bivittatus</i> (Burmese Python). <i>Genetics Research International</i> , 2016, 2016, 1-16. | 2.0 | 0         |
| 3780 | A Transcriptomic Signature of Mouse Liver Progenitor Cells. <i>Stem Cells International</i> , 2016, 2016, 1-15.   | 2.5 | 5         |
| 3781 | Human Epithelial Cells Discriminate between Commensal and Pathogenic Interactions with <i>Candida albicans</i> . <i>PLoS ONE</i> , 2016, 11, e0153165.  | 2.5 | 16        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3782 | Transcriptomic Profiling Using Next Generation Sequencing - Advances, Advantages, and Challenges. ,<br>O, , .   |     | 8         |
| 3783 | Construction of a protein-protein interaction network of Wilms's tumor and pathway prediction of<br>molecular complexes. Genetics and Molecular Research, 2016, 15, .   | 0.2 | 2         |
| 3784 | Induction of Macrophage Function in Human THP-1 Cells Is Associated with Rewiring of MAPK<br>Signaling and Activation of MAP3K7 (TAK1) Protein Kinase. Frontiers in Cell and Developmental Biology,<br>2016, 4, 21. | 3.7 | 54        |
| 3785 | Mycobacterium bovis BCG Interferes with miR-3619-5p Control of Cathepsin S in the Process of<br>Autophagy. Frontiers in Cellular and Infection Microbiology, 2016, 6, 27.   | 3.9 | 26        |
| 3786 | Immunosenescence-Related Transcriptomic and Immunologic Changes in Older Individuals Following<br>Influenza Vaccination. Frontiers in Immunology, 2016, 7, 450.   | 4.8 | 40        |
| 3787 | Aging Shapes the Population-Mean and -Dispersion of Gene Expression in Human Brains. Frontiers in<br>Aging Neuroscience, 2016, 8, 183.  | 3.4 | 31        |
| 3788 | Long Non-coding RNA in Neurons: New Players in Early Response to BDNF Stimulation. Frontiers in<br>Molecular Neuroscience, 2016, 9, 15.   | 2.9 | 14        |
| 3789 | Maternal Chromium Restriction Leads to Glucose Metabolism Imbalance in Mice Offspring through<br>Insulin Signaling and Wnt Signaling Pathways. International Journal of Molecular Sciences, 2016, 17,<br>1767.      | 4.1 | 22        |
| 3790 | Systematic Analysis of Protein Interaction Network Associated with Azoospermia. International<br>Journal of Molecular Sciences, 2016, 17, 1857.   | 4.1 | 14        |
| 3791 | The Pleiotropic Antibacterial Mechanisms of Ursolic Acid against Methicillin-Resistant<br>Staphylococcus aureus (MRSA). Molecules, 2016, 21, 884.   | 3.8 | 26        |
| 3792 | Effects of Maternal Chromium Restriction on the Long-Term Programming in MAPK Signaling Pathway<br>of Lipid Metabolism in Mice. Nutrients, 2016, 8, 488.  | 4.1 | 16        |
| 3793 | Differential effect of mild and severe pulmonary embolism on the rat lung transcriptome. Respiratory<br>Research, 2016, 17, 86.   | 3.6 | 9         |
| 3794 | Behavioral and molecular studies of quantitative differences in hygienic behavior in honeybees. BMC<br>Research Notes, 2016, 9, 474.  | 1.4 | 11        |
| 3795 | Low expression levels of putative HPV encoded microRNAs in cervical samples. SpringerPlus, 2016, 5,<br>1856.  | 1.2 | 17        |
| 3796 | Network Topology Analysis of Post-Mortem Brain Microarrays Identifies More Alzheimer's Related<br>Genes and MicroRNAs and Points to Novel Routes for Fighting with the Disease. PLoS ONE, 2016, 11,<br>e0144052.    | 2.5 | 25        |
| 3797 | Context Specific and Differential Gene Co-expression Networks via Bayesian Biclustering. PLoS<br>Computational Biology, 2016, 12, e1004791.   | 3.2 | 46        |
| 3798 | Comparative Transcriptomic and Epigenomic Analyses Reveal New Regulators of Murine Brown<br>Adipogenesis. PLoS Genetics, 2016, 12, e1006474.  | 3.5 | 44        |
| 3799 | Low Dose Iron Treatments Induce a DNA Damage Response in Human Endothelial Cells within Minutes.<br>PLoS ONE, 2016, 11, e0147990.   | 2.5 | 39        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3800 | Association of MicroRNA-196a2 Variant with Response to Short-Acting $\beta_2$ -Agonist in COPD: An Egyptian Pilot Study. PLoS ONE, 2016, 11, e0152834.   | 2.5  | 31        |
| 3801 | WDR76 Co-Localizes with Heterochromatin Related Proteins and Rapidly Responds to DNA Damage. PLoS ONE, 2016, 11, e0155492.   | 2.5  | 27        |
| 3802 | Gene Expression Differences in Peripheral Blood of Parkinson's Disease Patients with Distinct Progression Profiles. PLoS ONE, 2016, 11, e0157852.  | 2.5  | 36        |
| 3803 | Microdialysis Sampling from Wound Fluids Enables Quantitative Assessment of Cytokines, Proteins, and Metabolites Reveals Bone Defect-Specific Molecular Profiles. PLoS ONE, 2016, 11, e0159580.  | 2.5  | 17        |
| 3804 | Transcriptional Profiling of Cultured, Embryonic Epicardial Cells Identifies Novel Genes and Signaling Pathways Regulated by TGF $\beta$ 3 In Vitro. PLoS ONE, 2016, 11, e0159710.   | 2.5  | 19        |
| 3805 | Endothelial-Specific EphA4 Negatively Regulates Native Pial Collateral Formation and Re-Perfusion following Hindlimb Ischemia. PLoS ONE, 2016, 11, e0159930.   | 2.5  | 17        |
| 3806 | DNA Damage Response Is Involved in the Developmental Toxicity of Mebendazole in Zebrafish Retina. Frontiers in Pharmacology, 2016, 7, 57.  | 3.5  | 31        |
| 3807 | Aliskiren Administration during Early Postnatal Life Sex-Specifically Alleviates Hypertension Programmed by Maternal High Fructose Consumption. Frontiers in Physiology, 2016, 7, 299.   | 2.8  | 36        |
| 3808 | Circadian Oscillation of the Lettuce Transcriptome under Constant Light and Light-Dark Conditions. Frontiers in Plant Science, 2016, 7, 1114.  | 3.6  | 23        |
| 3809 | Epigenetics in Schizophrenia: A Pilot Study of Global DNA Methylation in Different Brain Regions Associated with Higher Cognitive Functions. Frontiers in Psychology, 2016, 7, 1496.   | 2.1  | 35        |
| 3810 | Epigenetic Profiling of H3K4Me3 Reveals Herbal Medicine Jinfukang-Induced Epigenetic Alteration Is Involved in Anti-Lung Cancer Activity. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-13.   | 1.2  | 16        |
| 3811 | Network pharmacology-based identification of key pharmacological pathways of Yin-Huang-Qing-Fei capsule acting on chronic bronchitis. International Journal of COPD, 2017, Volume 12, 85-94.   | 2.3  | 80        |
| 3812 | Calcineurin complex isolated from T-cell acute lymphoblastic leukemia (T-ALL) cells identifies new signaling pathways including mTOR/AKT/S6K whose inhibition synergize with calcineurin inhibition to promote T-ALL cell death. Oncotarget, 2016, 7, 45715-45729. | 1.8  | 16        |
| 3813 | Functional Genomic Analyses Identify Pathways Dysregulated in Animal Model of Autism. CNS Neuroscience and Therapeutics, 2016, 22, 845-853.  | 3.9  | 22        |
| 3814 | Genetic and epigenetic methylation defects and implication of the ERMN gene in autism spectrum disorders. Translational Psychiatry, 2016, 6, e855-e855.  | 4.8  | 36        |
| 3815 | Using PSEA-Quant for Protein Set Enrichment Analysis of Quantitative Mass Spectrometry-Based Proteomics. Current Protocols in Bioinformatics, 2016, 53, 13.28.1-13.28.16.  | 25.8 | 8         |
| 3816 | Suppression of SPIN1-mediated PI3K-Akt pathway by miR-489 increases chemosensitivity in breast cancer. Journal of Pathology, 2016, 239, 459-472.   | 4.5  | 97        |
| 3817 | Interaction and localization diversities of global and local hubs in human protein-protein interaction networks. Molecular BioSystems, 2016, 12, 2875-2882.  | 2.9  | 10        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3818 | Transcriptomic investigation of meat tenderness in two Italian cattle breeds. <i>Animal Genetics</i> , 2016, 47, 273-287.  | 1.7  | 37        |
| 3819 | Multipronged functional proteomics approaches for global identification of altered cell signalling pathways in B-cell chronic lymphocytic leukaemia. <i>Proteomics</i> , 2016, 16, 1193-1203.                      | 2.2  | 15        |
| 3820 | Investigation of potential molecular biomarkers and small molecule drugs for hepatocellular carcinoma transformed from cirrhosis. <i>Oncology Letters</i> , 2016, 12, 495-503.                                     | 1.8  | 1         |
| 3821 | Extracellular microvesicle microRNA in children with sickle cell anaemia with divergent clinical phenotypes. <i>British Journal of Haematology</i> , 2016, 174, 786-798.   | 2.5  | 44        |
| 3822 | MicroRNA signatures characterizing caste-independent ovarian activity in queen and worker honeybees ( <i>Apis mellifera</i> L.). <i>Insect Molecular Biology</i> , 2016, 25, 216-226.                              | 2.0  | 39        |
| 3823 | Feature Subset Selection for Cancer Classification Using Weight Local Modularity. <i>Scientific Reports</i> , 2016, 6, 34759.  | 3.3  | 17        |
| 3824 | Tocotrienols induce endoplasmic reticulum stress and apoptosis in cervical cancer cells. <i>Genes and Nutrition</i> , 2016, 11, 32.  | 2.5  | 23        |
| 3825 | hTERT promotes cell adhesion and migration independent of telomerase activity. <i>Scientific Reports</i> , 2016, 6, 22886.   | 3.3  | 45        |
| 3826 | Nucleolin interacts with influenza A nucleoprotein and contributes to viral ribonucleoprotein complexes nuclear trafficking and efficient influenza viral replication. <i>Scientific Reports</i> , 2016, 6, 29006. | 3.3  | 29        |
| 3827 | Functional genomics analyses of RNA-binding proteins reveal the splicing regulator SNRPB as an oncogenic candidate in glioblastoma. <i>Genome Biology</i> , 2016, 17, 125.   | 8.8  | 83        |
| 3828 | Transcriptome sequencing of the choroid plexus in schizophrenia. <i>Translational Psychiatry</i> , 2016, 6, e964-e964.   | 4.8  | 50        |
| 3829 | Microarray analysis of differentially-expressed genes and linker genes associated with the molecular mechanism of colorectal cancer. <i>Oncology Letters</i> , 2016, 12, 3250-3258.                                | 1.8  | 19        |
| 3830 | Microbiota Diurnal Rhythmicity Programs Host Transcriptome Oscillations. <i>Cell</i> , 2016, 167, 1495-1510.e12.   | 28.9 | 591       |
| 3831 | Comprehensive genomic characterization of five canine lymphoid tumor cell lines. <i>BMC Veterinary Research</i> , 2016, 12, 207.   | 1.9  | 5         |
| 3832 | Gene-set-based inference of biological network topologies from big molecular profiling data. , 0, , 391-408.   |      | 0         |
| 3833 | Large-scale correlation mining for biomolecular network discovery. , 2016, , 409-436.  |      | 1         |
| 3834 | Isoform switching and exon skipping induced by the DNA methylation inhibitor 5-Aza-2'-deoxycytidine. <i>Scientific Reports</i> , 2016, 6, 24545.   | 3.3  | 15        |
| 3835 | Var2GO: a web-based tool for gene variants selection. <i>BMC Bioinformatics</i> , 2016, 17, 376.   | 2.6  | 7         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3836 | Vascular smooth muscle cell contractile protein expression is increased through protein kinase G-dependent and -independent pathways by glucose-6-phosphate dehydrogenase inhibition and deficiency. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H904-H912. | 3.2 | 22        |
| 3837 | Elucidation of the molecular mechanisms of anaplastic thyroid carcinoma by integrated miRNA and mRNA analysis. <i>Oncology Reports</i> , 2016, 36, 3005-3013.   | 2.6 | 11        |
| 3838 | The genome-wide role of HSF-1 in the regulation of gene expression in <i>Caenorhabditis elegans</i> . <i>BMC Genomics</i> , 2016, 17, 559.  | 2.8 | 133       |
| 3839 | Cross-tissue Analysis of Gene and Protein Expression in Normal and Cancer Tissues. <i>Scientific Reports</i> , 2016, 6, 24799.  | 3.3 | 155       |
| 3840 | Lrrc75b is a novel negative regulator of C2C12 myogenic differentiation. <i>International Journal of Molecular Medicine</i> , 2016, 38, 1411-1418.  | 4.0 | 4         |
| 3841 | Gene expression differences in Longissimus muscle of Nelore steers genetically divergent for residual feed intake. <i>Scientific Reports</i> , 2016, 6, 39493.  | 3.3 | 57        |
| 3842 | An Atlas of annotations of <i>Hydra vulgaris</i> transcriptome. <i>BMC Bioinformatics</i> , 2016, 17, 360.  | 2.6 | 1         |
| 3843 | Prediction of key genes and miRNAs responsible for loss of muscle force in patients during an acute exacerbation of chronic obstructive pulmonary disease. <i>International Journal of Molecular Medicine</i> , 2016, 38, 1450-1462.  | 4.0 | 15        |
| 3844 | Design of pathway preferential estrogens that provide beneficial metabolic and vascular effects without stimulating reproductive tissues. <i>Science Signaling</i> , 2016, 9, ra53.   | 3.6 | 81        |
| 3845 | Differentially expressed genes in iron-induced prion protein conversion. <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 734-740.   | 2.1 | 1         |
| 3846 | Patient survival and tumor characteristics associated with CHEK2:p.I157T â€” findings from the Breast Cancer Association Consortium. <i>Breast Cancer Research</i> , 2016, 18, 98.  | 5.0 | 39        |
| 3847 | Dynamic changes in the gene expression profile during rat oral carcinogenesis induced by 4-nitroquinoline 1-oxide. <i>Molecular Medicine Reports</i> , 2016, 13, 2561-2569.   | 2.4 | 5         |
| 3848 | Systematic analysis of the regulatory functions of microRNAs in chicken hepatic lipid metabolism. <i>Scientific Reports</i> , 2016, 6, 31766.   | 3.3 | 36        |
| 3849 | Co-expression analysis and identification of fecundity-related long non-coding RNAs in sheep ovaries. <i>Scientific Reports</i> , 2016, 6, 39398.   | 3.3 | 74        |
| 3850 | Interactomic analysis of REST/NRSF and implications of its functional links with the transcription suppressor TRIM28 during neuronal differentiation. <i>Scientific Reports</i> , 2016, 6, 39049.   | 3.3 | 20        |
| 3851 | Quantitative extracellular matrix proteomics to study mammary and liver tissue microenvironments. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 81, 223-232.  | 2.8 | 89        |
| 3852 | Genome-wide Long Non-coding RNA Analysis Identified Circulating LncRNAs as Novel Non-invasive Diagnostic Biomarkers for Gynecological Disease. <i>Scientific Reports</i> , 2016, 6, 23343.  | 3.3 | 93        |
| 3853 | Bioinformatics Tools for Proteomics Data Interpretation. <i>Advances in Experimental Medicine and Biology</i> , 2016, 919, 281-341.   | 1.6 | 20        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3854 | Genome-wide analysis of DNA methylation in hepatoblastoma tissues. <i>Oncology Letters</i> , 2016, 12, 1529-1534.   | 1.8 | 23        |
| 3855 | A SILAC-Based Method for Quantitative Proteomic Analysis of Intestinal Organoids. <i>Scientific Reports</i> , 2016, 6, 38195.   | 3.3 | 24        |
| 3856 | Towards constructing “Super Gene Sets” regulatory networks. , 2016, , .   |     | 1         |
| 3857 | Identification of novel noncoding transcripts in telomerase-negative yeast using RNA-seq. <i>Scientific Reports</i> , 2016, 6, 19376.   | 3.3 | 8         |
| 3858 | Gene markers of fracture healing in early stage and the regulatory mechanism during the process using microarray analysis. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2016, 50, 681-685.  | 0.8 | 3         |
| 3859 | Large-scale rewiring of innate immunity circuitry and microRNA regulation during initial rice blast infection. <i>Scientific Reports</i> , 2016, 6, 25493.  | 3.3 | 27        |
| 3860 | Generation of 2,000 breast cancer metabolic landscapes reveals a poor prognosis group with active serotonin production. <i>Scientific Reports</i> , 2016, 6, 19771.   | 3.3 | 30        |
| 3861 | Integrating network, sequence and functional features using machine learning approaches towards identification of novel Alzheimer genes. <i>BMC Genomics</i> , 2016, 17, 807.   | 2.8 | 30        |
| 3862 | Functional analysis of keratinocyte and fibroblast gene expression in skin and keloid scar tissue based on deviation analysis of dynamic capabilities. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 3633-3641.                                      | 1.8 | 13        |
| 3863 | Network analysis of human post-mortem microarrays reveals novel genes, microRNAs, and mechanistic scenarios of potential importance in fighting huntington's disease. <i>Computational and Structural Biotechnology Journal</i> , 2016, 14, 117-130.            | 4.1 | 24        |
| 3864 | Biostatistics, Data Mining and Computational Modeling. <i>Translational Bioinformatics</i> , 2016, , 23-57.   | 0.0 | 2         |
| 3865 | HSPA6 is an ulcerative colitis susceptibility factor that is induced by cigarette smoke and protects intestinal epithelial cells by stabilizing anti-apoptotic Bcl-XL. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 788-796. | 3.8 | 16        |
| 3866 | Bioinformatics Based Approaches to Study Virus-Host Interactions During Chikungunya Virus Infection. <i>Methods in Molecular Biology</i> , 2016, 1426, 195-200.   | 0.9 | 1         |
| 3867 | Common integration sites of published datasets identified using a graph-based framework. <i>Computational and Structural Biotechnology Journal</i> , 2016, 14, 87-90.   | 4.1 | 2         |
| 3868 | An examination of the regulatory mechanism of Pxdn mutation-induced eye disorders using microarray analysis. <i>International Journal of Molecular Medicine</i> , 2016, 37, 1449-1456.  | 4.0 | 5         |
| 3869 | Characterization of the Antigen Processing Machinery and Endogenous Peptide Presentation of a Bat MHC Class I Molecule. <i>Journal of Immunology</i> , 2016, 196, 4468-4476.  | 0.8 | 30        |
| 3870 | Genomic Landscape of Colorectal Mucosa and Adenomas. <i>Cancer Prevention Research</i> , 2016, 9, 417-427.  | 1.5 | 65        |
| 3871 | Altered gene expression in the lower respiratory tract of Car6 <sup>+/+</sup> / <sup>-/-</sup> mice. <i>Transgenic Research</i> , 2016, 25, 649-664.  | 2.4 | 7         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3872 | Endometrial transcriptional profiling of a bovine fertility model by Next-Generation Sequencing. Genomics Data, 2016, 7, 26-28.  | 1.3  | 4         |
| 3873 | Megakaryocytic Maturation in Response to Shear Flow Is Mediated by the Activator Protein 1 (AP-1) Transcription Factor via Mitogen-activated Protein Kinase (MAPK) Mechanotransduction. Journal of Biological Chemistry, 2016, 291, 7831-7843. | 3.4  | 21        |
| 3874 | Evolution of a transcriptional regulator from a transmembrane nucleoporin. Genes and Development, 2016, 30, 1155-1171.   | 5.9  | 34        |
| 3875 | Interactive Visualization of Large Data Sets. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2142-2157.  | 5.7  | 54        |
| 3876 | Skeletal muscle transcriptional profiles in two Italian beef breeds, Chianina and Maremmana, reveal breed specific variation. Molecular Biology Reports, 2016, 43, 253-268.  | 2.3  | 16        |
| 3877 | The tumor microenvironment underlies acquired resistance to CSF-1R inhibition in gliomas. Science, 2016, 352, aad3018.   | 12.6 | 477       |
| 3878 | Evidence for embryonic stem-like signature and epithelial-mesenchymal transition features in the spheroid cells derived from lung adenocarcinoma. Tumor Biology, 2016, 37, 11843-11859.  | 1.8  | 19        |
| 3879 | Whole Transcriptome Screening Reveals Myelination Deficits in Dysplastic Human Temporal Neocortex. Cerebral Cortex, 2017, 27, bhv346.  | 2.9  | 16        |
| 3880 | Adipose tissue RNASeq reveals novel gene-nutrient interactions following n-3 PUFA supplementation and evoked inflammation in humans. Journal of Nutritional Biochemistry, 2016, 30, 126-132.   | 4.2  | 30        |
| 3881 | Sevoflurane exerts a more marked influence compared with propofol on gene expression in patients undergoing coronary artery bypass graft surgery. Experimental and Therapeutic Medicine, 2016, 11, 448-454.                                    | 1.8  | 1         |
| 3882 | Spatio-temporal coordination of cell cycle exit, fusion and differentiation of adult muscle precursors by Drosophila Erect wing (Ewg). Mechanisms of Development, 2016, 141, 109-118.  | 1.7  | 5         |
| 3883 | Using biological networks to integrate, visualize and analyze genomics data. Genetics Selection Evolution, 2016, 48, 27.   | 3.0  | 86        |
| 3884 | Oncomirs miRNA-221/222 and Tumor Suppressors miRNA-199a/195 Are Crucial miRNAs in Liver Cancer: A Systematic Analysis. Digestive Diseases and Sciences, 2016, 61, 2315-2327.   | 2.3  | 33        |
| 3885 | Immunogenic Subtypes of Breast Cancer Delineated by Gene Classifiers of Immune Responsiveness. Cancer Immunology Research, 2016, 4, 600-610.   | 3.4  | 86        |
| 3886 | Understanding the progression of atherosclerosis through gene profiling and co-expression network analysis in Apob tm2Sgy Ldlr tm1Her double knockout mice. Genomics, 2016, 107, 239-247.  | 2.9  | 14        |
| 3887 | The landscape of viral proteomics and its potential to impact human health. Expert Review of Proteomics, 2016, 13, 579-591.  | 3.0  | 9         |
| 3888 | Co-clustering of diseases, genes, and drugs for identification of their related gene modules. , 2016, , .  |      | 0         |
| 3889 | ISL1 and JMJD3 synergistically control cardiac differentiation of embryonic stem cells. Nucleic Acids Research, 2016, 44, 6741-6755.   | 14.5 | 40        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3890 | The Chromatin Remodeling Complex Chd4/NuRD Controls Striated Muscle Identity and Metabolic Homeostasis. <i>Cell Metabolism</i> , 2016, 23, 881-892.   | 16.2 | 68        |
| 3891 | Transcriptome differences in the rumen of beef steers with variation in feed intake and gain. <i>Gene</i> , 2016, 586, 12-26.   | 2.2  | 45        |
| 3892 | Calcineurin Orchestrates Lateral Transfer of <i>Aspergillus fumigatus</i> during Macrophage Cell Death. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 1127-1139.   | 5.6  | 54        |
| 3893 | Identification of potential therapeutic targets for papillary thyroid carcinoma by bioinformatics analysis. <i>Oncology Letters</i> , 2016, 11, 51-58.  | 1.8  | 15        |
| 3894 | Screening genes associated with melanoma using a combined analysis of mRNA and methylation microarray. <i>Gene Reports</i> , 2016, 4, 53-59.  | 0.8  | 1         |
| 3895 | Altered global gene expression profiles in human gastrointestinal epithelial Caco2 cells exposed to nanosilver. <i>Toxicology Reports</i> , 2016, 3, 262-268.   | 3.3  | 6         |
| 3896 | Transcriptomic profiling of <i>Chamelea gallina</i> from sites along the Abruzzo coast (Italy), subject to periodic localized mortality events. <i>Marine Biology</i> , 2016, 163, 1.   | 1.5  | 6         |
| 3897 | Combined treatment with X-ray irradiation and 5-aminolevulinic acid elicits better transcriptomic response of cell cycle-related factors than X-ray irradiation alone. <i>International Journal of Radiation Biology</i> , 2016, 92, 774-789. | 1.8  | 20        |
| 3898 | Co-expression network analysis of Down's syndrome based on microarray data. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 1503-1508.   | 1.8  | 25        |
| 3899 | Identification of key pathways and genes in colorectal cancer using bioinformatics analysis. <i>Medical Oncology</i> , 2016, 33, 111.   | 2.5  | 112       |
| 3900 | Whole blood transcriptional profiling comparison between different milk yield of Chinese Holstein cows using RNA-seq data. <i>BMC Genomics</i> , 2016, 17, 512.   | 2.8  | 22        |
| 3901 | Identification of hub genes and regulatory factors of glioblastoma multiforme subgroups by RNA-seq data analysis. <i>International Journal of Molecular Medicine</i> , 2016, 38, 1170-1178.   | 4.0  | 13        |
| 3902 | The differential expression of alternatively polyadenylated transcripts is a common stress-induced response mechanism that modulates mammalian mRNA expression in a quantitative and qualitative fashion. <i>Rna</i> , 2016, 22, 1441-1453.   | 3.5  | 36        |
| 3903 | Sex differences in renal transcriptome and programmed hypertension in offspring exposed to prenatal dexamethasone. <i>Steroids</i> , 2016, 115, 40-46.  | 1.8  | 19        |
| 3904 | Identification of genes involved in Epstein-Barr virus-associated nasopharyngeal carcinoma. <i>Oncology Letters</i> , 2016, 12, 2375-2380.  | 1.8  | 8         |
| 3905 | Niclosamide As a Potential Nonsteroidal Therapy for Endometriosis That Preserves Reproductive Function in an Experimental Mouse Model. <i>Biology of Reproduction</i> , 2016, 95, 74-74.  | 2.7  | 25        |
| 3906 | Improved pose and affinity predictions using different protocols tailored on the basis of data availability. <i>Journal of Computer-Aided Molecular Design</i> , 2016, 30, 817-828.   | 2.9  | 6         |
| 3907 | SPIRE, a modular pipeline for eQTL analysis of RNA-Seq data, reveals a regulatory hotspot controlling miRNA expression in <i>C. elegans</i> . <i>Molecular BioSystems</i> , 2016, 12, 3447-3458.  | 2.9  | 4         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3908 | Functional and cellular consequences of covalent target protein modification by furan in rat liver. <i>Toxicology</i> , 2016, 361-362, 49-61.   | 4.2  | 11        |
| 3909 | Advancing Clinical Proteomics via Analysis Based on Biological Complexes: A Tale of Five Paradigms. <i>Journal of Proteome Research</i> , 2016, 15, 3167-3179.  | 3.7  | 37        |
| 3910 | Endochondral Growth Defect and Deployment of Transient Chondrocyte Behaviors Underlie Osteoarthritis Onset in a Natural Murine Model. <i>Arthritis and Rheumatology</i> , 2016, 68, 880-891.  | 5.6  | 37        |
| 3911 | Caspase-related apoptosis genes in gliomas by RNA-seq and bioinformatics analysis. <i>Journal of Clinical Neuroscience</i> , 2016, 33, 259-263.   | 1.5  | 6         |
| 3912 | A chromatin modifier integrates insulin/IGF-1 signalling and dietary restriction to regulate longevity. <i>Aging Cell</i> , 2016, 15, 694-705.  | 6.7  | 15        |
| 3913 | Identification of aldolase A as a potential diagnostic biomarker for colorectal cancer based on proteomic analysis using formalin-fixed paraffin-embedded tissue. <i>Tumor Biology</i> , 2016, 37, 13595-13606.   | 1.8  | 40        |
| 3914 | Multi-scale modeling of <i>Arabidopsis thaliana</i> response to different CO <sub>2</sub> conditions: From gene expression to metabolic flux. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 2-11.   | 8.5  | 20        |
| 3915 | Maternal melatonin or N-acetylcysteine therapy regulates hydrogen sulfide-generating pathway and renal transcriptome to prevent prenatal NG-Nitro-L-arginine-methyl ester (L-NAME)-induced fetal programming of hypertension in adult male offspring. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 215, 636.e1-636.e72. | 1.3  | 59        |
| 3916 | Comparison of muscle characteristics and underpinning mechanisms between Texel and Ujumqin sheep aged from day 70 to 135 of gestation. <i>Livestock Science</i> , 2016, 192, 8-16.  | 1.6  | 0         |
| 3917 | Application of network construction to estimate functional changes to insulin receptor substrates 1 and 2 in Huh7 cells following infection with the hepatitis C virus. <i>Molecular Medicine Reports</i> , 2016, 14, 2379-2388.  | 2.4  | 1         |
| 3918 | Detection of selection signatures of population-specific genomic regions selected during domestication process in Jinhua pigs. <i>Animal Genetics</i> , 2016, 47, 672-681.  | 1.7  | 17        |
| 3919 | Integrin- $\beta$ 10 Dependency Identifies RAC and RICTOR as Therapeutic Targets in High-Grade Myxofibrosarcoma. <i>Cancer Discovery</i> , 2016, 6, 1148-1165.  | 9.4  | 62        |
| 3920 | Comprehensive characterization of tissue-specific circular RNAs in the human and mouse genomes. <i>Briefings in Bioinformatics</i> , 2017, 18, bbw081.  | 6.5  | 251       |
| 3921 | A small molecule inhibitor of mutant IDH2 rescues cardiomyopathy in a D-2-hydroxyglutaric aciduria type II mouse model. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 807-820.  | 3.6  | 11        |
| 3922 | Foxn1 regulates key target genes essential for T cell development in postnatal thymic epithelial cells. <i>Nature Immunology</i> , 2016, 17, 1206-1215.   | 14.5 | 142       |
| 3923 | Effects of muscular dystrophy, exercise and blocking activin receptor IIB ligands on the unfolded protein response and oxidative stress. <i>Free Radical Biology and Medicine</i> , 2016, 99, 308-322.  | 2.9  | 27        |
| 3924 | Carbonic anhydrase enzymes regulate mast cell-mediated inflammation. <i>Journal of Experimental Medicine</i> , 2016, 213, 1663-1673.  | 8.5  | 26        |
| 3925 | The Spectrum and Regulatory Landscape of Intestinal Innate Lymphoid Cells Are Shaped by the Microbiome. <i>Cell</i> , 2016, 166, 1231-1246.e13.   | 28.9 | 465       |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3926 | Different responses of Caco-2 and MCF-7 cells to silver nanoparticles are based on highly similar mechanisms of action. <i>Nanotoxicology</i> , 2016, 10, 1431-1441.   | 3.0 | 49        |
| 3927 | Insights into the human mesenchymal stromal/stem cell identity through integrative transcriptomic profiling. <i>BMC Genomics</i> , 2016, 17, 944.  | 2.8 | 55        |
| 3928 | Candidate methylated genes in osteoarthritis explored by bioinformatics analysis. <i>Knee</i> , 2016, 23, 1035-1043.   | 1.6 | 5         |
| 3929 | Differentially expressed circulating lncRNAs and mRNA identified by microarray analysis in obese patients. <i>Scientific Reports</i> , 2016, 6, 35421.   | 3.3 | 42        |
| 3930 | The bronchial epithelial cell bacterial microbiome and host response in patients infected with human immunodeficiency virus. <i>BMC Pulmonary Medicine</i> , 2016, 16, 142.  | 2.0 | 8         |
| 3931 | Macrophage Ontogeny Underlies Differences in Tumor-Specific Education in Brain Malignancies. <i>Cell Reports</i> , 2016, 17, 2445-2459.  | 6.4 | 450       |
| 3932 | Diet-Microbiota Interactions Mediate Global Epigenetic Programming in Multiple Host Tissues. <i>Molecular Cell</i> , 2016, 64, 982-992.  | 9.7 | 405       |
| 3933 | Systems-Pharmacology Dissection of Traditional Chinese Medicine Compound Saffron Formula Reveals Multi-scale Treatment Strategy for Cardiovascular Diseases. <i>Scientific Reports</i> , 2016, 6, 19809.                         | 3.3 | 56        |
| 3934 | v-Src Oncogene Induces Trop2 Proteolytic Activation via Cyclin D1. <i>Cancer Research</i> , 2016, 76, 6723-6734.   | 0.9 | 22        |
| 3935 | Transcriptome analysis of paired primary colorectal carcinoma and liver metastases reveals fusion transcripts and similar gene expression profiles in primary carcinoma and liver metastases. <i>BMC Cancer</i> , 2016, 16, 539. | 2.6 | 30        |
| 3936 | FOXO/DAF-16 Activation Slows Down Turnover of the Majority of Proteins in <i>C.Âelegans</i> . <i>Cell Reports</i> , 2016, 16, 3028-3040.   | 6.4 | 44        |
| 3937 | A mouse model of alcoholic liver fibrosis-associated acute kidney injury identifies key molecular pathways. <i>Toxicology and Applied Pharmacology</i> , 2016, 310, 129-139.   | 2.8 | 14        |
| 3938 | The human <i>RHOX</i> gene cluster: target genes and functional analysis of gene variants in infertile men. <i>Human Molecular Genetics</i> , 2016, 25, ddw313.  | 2.9 | 25        |
| 3939 | Reactive Oxygen Speciesâ€Associated Molecular Signature Predicts Survival in Patients with Sepsis. <i>Pulmonary Circulation</i> , 2016, 6, 196-201.  | 1.7 | 25        |
| 3940 | Effects of Pharmacological Agents on Human Amniotic Fluid-Derived Stem Cells in Culture. <i>Stem Cells and Development</i> , 2016, 25, 1570-1579.  | 2.1 | 2         |
| 3941 | Expression Profiling Elucidates a Molecular Gene Signature for Pulmonary Hypertension in Sarcoidosis. <i>Pulmonary Circulation</i> , 2016, 6, 465-471.   | 1.7 | 10        |
| 3942 | Analysis of MicroRNA and Transcription Factor Regulation. <i>Lecture Notes in Computer Science</i> , 2016, , 278-284.  | 1.3 | 0         |
| 3943 | Identification of potential therapeutic targets for lung cancer by bioinformatics analysis. <i>Molecular Medicine Reports</i> , 2016, 13, 1975-1982.   | 2.4 | 15        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3944 | Activation of AIFM2 enhances apoptosis of human lung cancer cells undergoing toxicological stress. <i>Toxicology Letters</i> , 2016, 258, 227-236.  | 0.8  | 34        |
| 3945 | Epigenetic Plasticity Drives Adipogenic and Osteogenic Differentiation of Marrow-derived Mesenchymal Stem Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 17829-17847.                       | 3.4  | 150       |
| 3946 | Chromatin remodeling inactivates activity genes and regulates neural coding. <i>Science</i> , 2016, 353, 300-305.   | 12.6 | 96        |
| 3947 | 5-azacytidine induces transcriptome changes in <i>Escherichia coli</i> via DNA methylation-dependent and DNA methylation-independent mechanisms. <i>BMC Microbiology</i> , 2016, 16, 130.               | 3.3  | 7         |
| 3948 | Generation and characterization of rat liver stem cell lines and their engraftment in a rat model of liver failure. <i>Scientific Reports</i> , 2016, 6, 22154.   | 3.3  | 50        |
| 3949 | Differential expression of TGF- $\beta$ 2 superfamily members and role of Smad1/5/9-signalling in chondral versus endochondral chondrocyte differentiation. <i>Scientific Reports</i> , 2016, 6, 36655. | 3.3  | 72        |
| 3950 | Systemic inoculation of <i>Escherichia coli</i> causes emergency myelopoiesis in zebrafish larval caudal hematopoietic tissue. <i>Scientific Reports</i> , 2016, 6, 36853.                              | 3.3  | 17        |
| 3951 | Identification of potential therapeutic targets for colorectal cancer by bioinformatics analysis. <i>Oncology Letters</i> , 2016, 12, 5092-5098.  | 1.8  | 23        |
| 3952 | SOX7 co-regulates Wnt/ $\beta$ 2-catenin signaling with Axin-2: both expressed at low levels in breast cancer. <i>Scientific Reports</i> , 2016, 6, 26136.  | 3.3  | 25        |
| 3953 | Toward a Reference Gene Catalog of Human Primary Monocytes. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 627-634.  | 2.0  | 11        |
| 3954 | MuSK is a BMP co-receptor that shapes BMP responses and calcium signaling in muscle cells. <i>Science Signaling</i> , 2016, 9, ra87.  | 3.6  | 26        |
| 3955 | Analysis of the molecular mechanism of osteosarcoma using a bioinformatics approach. <i>Oncology Letters</i> , 2016, 12, 3075-3080.   | 1.8  | 13        |
| 3956 | Single-Cell Analysis Uncovers Clonal Acinar Cell Heterogeneity in the Adult Pancreas. <i>Developmental Cell</i> , 2016, 39, 289-301.  | 7.0  | 82        |
| 3957 | Telomere shortening and metabolic compromise underlie dystrophic cardiomyopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13120-13125.       | 7.1  | 60        |
| 3958 | Serum microRNA microarray analysis identifies miR-4429 and miR-4689 are potential diagnostic biomarkers for biliary atresia. <i>Scientific Reports</i> , 2016, 6, 21084.                                | 3.3  | 38        |
| 3959 | A YY1-dependent increase in aerobic metabolism is indispensable for intestinal organogenesis. <i>Development (Cambridge)</i> , 2016, 143, 3711-3722.  | 2.5  | 22        |
| 3960 | Mechanistic evaluation and transcriptional signature of a glutathione S-transferase omega 1 inhibitor. <i>Nature Communications</i> , 2016, 7, 13084.   | 12.8 | 53        |
| 3961 | Pathogenic landscape of idiopathic male infertility: new insight towards its regulatory networks. <i>Npj Genomic Medicine</i> , 2016, 1, 16023.   | 3.8  | 35        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3962 | RYR2, PTDSS1 and AREG genes are implicated in a Lebanese population-based study of copy number variation in autism. Scientific Reports, 2016, 6, 19088.   | 3.3  | 27        |
| 3963 | SYVN1, NEDD8, and FBXO2 Proteins Regulate Î”F508 Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Ubiquitin-mediated Proteasomal Degradation. Journal of Biological Chemistry, 2016, 291, 25489-25504.                                | 3.4  | 27        |
| 3964 | Genome-wide DNA methylation analysis identifies candidate epigenetic markers and drivers of hepatocellular carcinoma. Briefings in Bioinformatics, 2018, 19, bbw094.  | 6.5  | 53        |
| 3965 | Discover Mouse Gene Coexpression Landscape Using Dictionary Learning and Sparse Coding. Lecture Notes in Computer Science, 2016, , 63-71.   | 1.3  | 0         |
| 3966 | Transcriptome Analysis on Monocytes from Patients with Neovascular Age-Related Macular Degeneration. Scientific Reports, 2016, 6, 29046.  | 3.3  | 32        |
| 3967 | Identification of circulating protein biomarkers in patients with hepatocellular carcinoma concomitantly infected with chronic hepatitis C virus. Biomarkers, 2016, 22, 1-8.  | 1.9  | 14        |
| 3968 | A restricted period for formation of outer subventricular zone defined by Cdh1 and Trnp1 levels. Nature Communications, 2016, 7, 11812.   | 12.8 | 108       |
| 3969 | Identification of Changes in Gene expression of rats after Sensory and Motor Nerves Injury. Scientific Reports, 2016, 6, 26579.   | 3.3  | 6         |
| 3970 | Long noncoding RNA linc00598 regulates CCND2 transcription and modulates the G1 checkpoint. Scientific Reports, 2016, 6, 32172.   | 3.3  | 13        |
| 3971 | Injury-induced <i>ctgfa</i> directs glial bridging and spinal cord regeneration in zebrafish. Science, 2016, 354, 630-634.  | 12.6 | 196       |
| 3972 | Transcriptional Mechanisms Regulating Pulmonary Epithelial Maturation: A Systems Biology Approach. , 0, , 58-76.  |      | 0         |
| 3973 | iTRAQ-based quantitative proteomic analysis reveals potential early diagnostic markers of clear-cell Renal cell carcinoma. BioScience Trends, 2016, 10, 210-219.  | 3.4  | 21        |
| 3974 | A new strategy for exploring the hierarchical structure of cancers by adaptively partitioning functional modules from gene expression network. Scientific Reports, 2016, 6, 28720.  | 3.3  | 13        |
| 3975 | Mammalian Brain Development is Accompanied by a Dramatic Increase in Bipolar DNA Methylation. Scientific Reports, 2016, 6, 32298.   | 3.3  | 13        |
| 3976 | Transcriptomic signature of high dietary organic selenium supplementation in sheep: A nutrigenomic insight using a custom microarray platform and gene set enrichment analysis <sup>1,2</sup> . Journal of Animal Science, 2016, 94, 3169-3184. | 0.5  | 27        |
| 3977 | Proposal of Chance Index in Co-occurrence Network. Electronics and Communications in Japan, 2016, 99, 65-73.  | 0.5  | 0         |
| 3978 | Genome-wide association studies of immune, disease and production traits in indigenous chicken ecotypes. Genetics Selection Evolution, 2016, 48, 74.  | 3.0  | 36        |
| 3979 | Most of the tight positional conservation of transcription factor binding sites near the transcription start site reflects their co-localization within regulatory modules. BMC Bioinformatics, 2016, 17, 479.                                  | 2.6  | 1         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3980 | Coordinated regulation of hepatic and adipose tissue transcriptomes by the oral administration of an amino acid mixture simulating the larval saliva of <i>Vespa</i> species. <i>Genes and Nutrition</i> , 2016, 11, 21.    | 2.5  | 4         |
| 3981 | Prediction of scaffold proteins based on protein interaction and domain architectures. <i>BMC Bioinformatics</i> , 2016, 17, 220.   | 2.6  | 6         |
| 3982 | Integrated analysis of omics data using microRNA-target mRNA network and PPI network reveals regulation of <i>Gnai1</i> function in the spinal cord of <i>Ews/Ewsr1</i> KO mice. <i>BMC Medical Genomics</i> , 2016, 9, 33. | 1.5  | 4         |
| 3983 | Potential molecular characteristics in situ in response to repetitive UVB irradiation. <i>Diagnostic Pathology</i> , 2016, 11, 129.   | 2.0  | 8         |
| 3984 | Transcriptomic Profiling of Extracellular RNAs Present in Cerebrospinal Fluid Identifies Differentially Expressed Transcripts in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2016, 6, 109-117.             | 2.8  | 40        |
| 3985 | Focal exposure of limited lung volumes to high-dose irradiation down-regulated organ development-related functions and up-regulated the immune response in mouse pulmonary tissues. <i>BMC Genetics</i> , 2016, 17, 29.     | 2.7  | 6         |
| 3986 | SOHSite: incorporating evolutionary information and physicochemical properties to identify protein S-sulfonylation sites. <i>BMC Genomics</i> , 2016, 17, 9.  | 2.8  | 45        |
| 3987 | Differential co-expression analysis of venous thromboembolism based on gene expression profile data. <i>Experimental and Therapeutic Medicine</i> , 2016, 11, 2193-2200.  | 1.8  | 3         |
| 3988 | Construction and analysis of protein-protein interaction networks based on proteomics data of prostate cancer. <i>International Journal of Molecular Medicine</i> , 2016, 37, 1576-1586.                                    | 4.0  | 35        |
| 3989 | Identification of genes associated with renal cell carcinoma using gene expression profiling analysis. <i>Oncology Letters</i> , 2016, 12, 73-78.   | 1.8  | 18        |
| 3990 | Enrichr: a comprehensive gene set enrichment analysis web server 2016 update. <i>Nucleic Acids Research</i> , 2016, 44, W90-W97.  | 14.5 | 7,240     |
| 3991 | Understanding tissue-specificity with human tissue-specific regulatory networks. <i>Science China Information Sciences</i> , 2016, 59, 1.   | 4.3  | 11        |
| 3992 | Rare variants in known and novel candidate genes predisposing to statin-associated myopathy. <i>Pharmacogenomics</i> , 2016, 17, 1405-1414.   | 1.3  | 17        |
| 3993 | Identification of key genes in glioblastoma-associated stromal cells using bioinformatics analysis. <i>Oncology Letters</i> , 2016, 11, 3999-4007.  | 1.8  | 11        |
| 3994 | Chicken cecal microRNAs in the response to <i>Campylobacter jejuni</i> inoculation by Solexa sequencing. <i>Poultry Science</i> , 2016, 95, 2819-2823.  | 3.4  | 5         |
| 3995 | Hypothalamic Proteomic Analysis Reveals Dysregulation of Glutamate Balance and Energy Metabolism in a Mouse Model of Chronic Mild Stress-Induced Depression. <i>Neurochemical Research</i> , 2016, 41, 2443-2456.           | 3.3  | 44        |
| 3996 | A systematic exploration of the associations between amino acid variants and post-translational modifications. <i>Neurocomputing</i> , 2016, 206, 13-18.  | 5.9  | 1         |
| 3997 | Microarray data on altered transcriptional program of <i>Phgdh</i> -deficient mouse embryonic fibroblasts caused by L-serine depletion. <i>Data in Brief</i> , 2016, 7, 1598-1601.  | 1.0  | 4         |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3998 | microRNAs in the Same Clusters Evolve to Coordinately Regulate Functionally Related Genes. <i>Molecular Biology and Evolution</i> , 2016, 33, 2232-2247.  | 8.9  | 150       |
| 3999 | Key genes and pathways predicted in papillary thyroid carcinoma based on bioinformatics analysis. <i>Journal of Endocrinological Investigation</i> , 2016, 39, 1285-1293.   | 3.3  | 17        |
| 4000 | Transcriptomic analysis of porcine PBMCs infected with <i>Toxoplasma gondii</i> RH strain. <i>Acta Tropica</i> , 2016, 154, 82-88.  | 2.0  | 38        |
| 4001 | Identification of novel gene and pathway targets for human epilepsy treatment. <i>Biological Research</i> , 2016, 49, 3.  | 3.4  | 10        |
| 4002 | A Thermodynamic-Based Interpretation of Protein Expression Heterogeneity in Different Glioblastoma Multiforme Tumors Identifies Tumor-Specific Unbalanced Processes. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5990-5997. | 2.6  | 11        |
| 4003 | Medoidshift clustering applied to genomic bulk tumor data. <i>BMC Genomics</i> , 2016, 17, 6.   | 2.8  | 4         |
| 4004 | MiR-210 promotes sensory hair cell formation in the organ of corti. <i>BMC Genomics</i> , 2016, 17, 309.  | 2.8  | 25        |
| 4005 | Identification of biological targets of therapeutic intervention for clear cell renal cell carcinoma based on bioinformatics approach. <i>Cancer Cell International</i> , 2016, 16, 16.   | 4.1  | 17        |
| 4006 | Pancreatic cancer cell-derived IGFBP-3 contributes to muscle wasting. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016, 35, 46.   | 8.6  | 44        |
| 4007 | Transcriptional response of porcine skeletal muscle to feeding a linseed-enriched diet to growing pigs. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 6.  | 5.3  | 17        |
| 4008 | Candidate genes and pathogenesis investigation for sepsis-related acute respiratory distress syndrome based on gene expression profile. <i>Biological Research</i> , 2016, 49, 25.  | 3.4  | 20        |
| 4009 | Inhibition of MNK pathways enhances cancer cell response to chemotherapy with temozolomide and targeted radionuclide therapy. <i>Cellular Signalling</i> , 2016, 28, 1412-1421.   | 3.6  | 48        |
| 4010 | KeyPathwayMinerWeb: online multi-omics network enrichment. <i>Nucleic Acids Research</i> , 2016, 44, W98-W104.  | 14.5 | 45        |
| 4011 | SPATIAL: A System-level PATHway Impact Analysis approach. <i>Nucleic Acids Research</i> , 2016, 44, 5034-5044.  | 14.5 | 18        |
| 4012 | A Bayesian approach for estimating allele-specific expression from RNA-Seq data with diploid genomes. <i>BMC Genomics</i> , 2016, 17, 2.  | 2.8  | 22        |
| 4013 | Î²B1± mediates prostate cancer cell death induced by combinatorial targeting of the androgen receptor. <i>BMC Cancer</i> , 2016, 16, 141.   | 2.6  | 10        |
| 4014 | The landscape of accessible chromatin in mammalian preimplantation embryos. <i>Nature</i> , 2016, 534, 652-657.   | 27.8 | 550       |
| 4015 | Proteomic profiling of eccrine sweat reveals its potential as a diagnostic biofluid for active tuberculosis. <i>Proteomics - Clinical Applications</i> , 2016, 10, 547-553.   | 1.6  | 45        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4016 | PCBP1/HNRNP E1 Protects Chromosomal Integrity by Translational Regulation of CDC27. <i>Molecular Cancer Research</i> , 2016, 14, 634-646.  | 3.4  | 22        |
| 4017 | Network motif-based method for identifying coronary artery disease. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 257-261.  | 1.8  | 1         |
| 4018 | Chemoproteomic Approach to Explore the Target Profile of GPCR ligands: Application to 5-HT <sub>1A</sub> and 5-HT <sub>6</sub> Receptors. <i>Chemistry - A European Journal</i> , 2016, 22, 1313-1321.   | 3.3  | 15        |
| 4019 | Effect of single post-ovulatory administration of mifepristone (RU486) on transcript profile during the receptive period in human endometrium. <i>Reproduction</i> , 2016, 151, 331-349.                 | 2.6  | 14        |
| 4020 | Identifying molecular subtypes in human colon cancer using gene expression and DNA methylation microarray data. <i>International Journal of Oncology</i> , 2016, 48, 690-702.                            | 3.3  | 21        |
| 4021 | An essential role for UTX in resolution and activation of bivalent promoters. <i>Nucleic Acids Research</i> , 2016, 44, 3659-3674.   | 14.5 | 63        |
| 4022 | Effects of combined progesterone and 17 $\beta$ -estradiol treatment on the transcriptome of cultured human myometrial smooth muscle cells. <i>Physiological Genomics</i> , 2016, 48, 50-61.             | 2.3  | 13        |
| 4023 | Genome-wide methylation profiling identifies novel methylated genes in neuroblastoma tumors. <i>Epigenetics</i> , 2016, 11, 74-84.   | 2.7  | 63        |
| 4024 | High risk of development of renal cell tumor in end-stage kidney disease: the role of microenvironment. <i>Tumor Biology</i> , 2016, 37, 9511-9519.  | 1.8  | 9         |
| 4025 | Mapping the O-Mannose Glycoproteome in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1323-1337.   | 3.8  | 61        |
| 4026 | Quantitative phosphoproteomic analysis of early seed development in rice ( <i>Oryza sativa</i> L.). <i>Plant Molecular Biology</i> , 2016, 90, 249-265.  | 3.9  | 38        |
| 4027 | Mycoplasma Infection Alters Cancer Stem Cell Properties in Vitro. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 156-161.  | 5.6  | 13        |
| 4028 | Comprehensive Transcriptome Analysis of Six Catfish Species from an Altitude Gradient Reveals Adaptive Evolution in Tibetan Fishes. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 141-148.              | 1.8  | 49        |
| 4029 | Analysis of miRNA expression profiling in mouse spleen affected by acute <i>Toxoplasma gondii</i> infection. <i>Infection, Genetics and Evolution</i> , 2016, 37, 137-142.                               | 2.3  | 47        |
| 4030 | The impact of oil spill to lung health—Insights from an RNA-seq study of human airway epithelial cells. <i>Gene</i> , 2016, 578, 38-51.  | 2.2  | 16        |
| 4031 | Expression of mitochondria-related genes is elevated in overfeeding-induced goose fatty liver. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016, 192, 30-37. | 1.6  | 22        |
| 4032 | Comparative transcriptome analysis of atrial septal defect identifies dysregulated genes during heart septum morphogenesis. <i>Gene</i> , 2016, 575, 303-312.  | 2.2  | 19        |
| 4033 | GeneAnalytics: An Integrative Gene Set Analysis Tool for Next Generation Sequencing, RNAseq and Microarray Data. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 139-151.                      | 2.0  | 187       |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 4034 | Circulating microRNAs as Potential Biomarkers of Endothelial Dysfunction in Obese Children. <i>Chest</i> , 2016, 149, 786-800.   | 0.8 | 66        |
| 4035 | Mutations in SMG9, Encoding an Essential Component of Nonsense-Mediated Decay Machinery, Cause a Multiple Congenital Anomaly Syndrome in Humans and Mice. <i>American Journal of Human Genetics</i> , 2016, 98, 643-652.                 | 6.2 | 51        |
| 4036 | Ancestral vinclozolin exposure alters the epigenetic transgenerational inheritance of sperm small noncoding RNAs. <i>Environmental Epigenetics</i> , 2016, 2, dvw001.  | 1.8 | 90        |
| 4037 | Network-Based Method for Inferring Cancer Progression at the Pathway Level from Cross-Sectional Mutation Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2016, 13, 1036-1044.                           | 3.0 | 8         |
| 4038 | Integrated microRNA-gene analysis of coronary artery disease based on miRNA and gene expression profiles. <i>Molecular Medicine Reports</i> , 2016, 13, 3063-3073.   | 2.4 | 7         |
| 4039 | Analysis of differentially expressed proteins in <i>Yersinia enterocolitica</i> -infected HeLa cells. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 562-569.  | 2.3 | 8         |
| 4040 | Transcriptional profiling of cortical versus cancellous bone from mechanically-loaded murine tibiae reveals differential gene expression. <i>Bone</i> , 2016, 86, 22-29.   | 2.9 | 59        |
| 4041 | Transcriptome of early embryonic invasion at implantation sites in a murine model. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1487.  | 0.4 | 6         |
| 4042 | Mood stabilizing drugs regulate transcription of immune, neuronal and metabolic pathway genes in <i>Drosophila</i> . <i>Psychopharmacology</i> , 2016, 233, 1751-1762.   | 3.1 | 6         |
| 4043 | MicroRNAs as early toxicity signatures of doxorubicin in human-induced pluripotent stem cell-derived cardiomyocytes. <i>Archives of Toxicology</i> , 2016, 90, 3087-3098.  | 4.2 | 77        |
| 4044 | Endogenous dendritic cells from the tumor microenvironment support T-ALL growth via IGF1R activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1016-25.                      | 7.1 | 24        |
| 4045 | Controlled hydrostatic pressure stress downregulates the expression of ribosomal genes in preimplantation embryos: a possible protection mechanism?. <i>Reproduction, Fertility and Development</i> , 2016, 28, 776.                     | 0.4 | 4         |
| 4046 | Multilevel functional genomics data integration as a tool for understanding physiology: a network biology perspective. <i>Journal of Applied Physiology</i> , 2016, 120, 297-309.  | 2.5 | 10        |
| 4047 | <i>Salmonella Typhimurium</i> infection primes a nutriptive mechanism in piglets. <i>Veterinary Microbiology</i> , 2016, 186, 117-125.   | 1.9 | 2         |
| 4048 | Low birth weight associates with hippocampal gene expression. <i>Neuroscience</i> , 2016, 318, 190-205.  | 2.3 | 6         |
| 4049 | Chronic TCDD exposure results in the dysregulation of gene expression in splenic B-lymphocytes and in the impairments in T-cell and B-cell differentiation in mouse model. <i>Journal of Environmental Sciences</i> , 2016, 39, 218-227. | 6.1 | 7         |
| 4050 | Small RNA and RNA-IP Sequencing Identifies and Validates Novel MicroRNAs in Human Mesenchymal Stem Cells. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 191-198.   | 2.0 | 1         |
| 4051 | A patient with a novel homozygous missense mutation in FTO and concomitant nonsense mutation in CETP. <i>Journal of Human Genetics</i> , 2016, 61, 395-403.  | 2.3 | 14        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4052 | Proteomics of Urinary Vesicles Links Plakins and Complement to Polycystic Kidney Disease. <i>Journal of the American Society of Nephrology</i> , 2016, 27, 3079-3092.   | 6.1  | 58        |
| 4053 | Can ecological history influence response to pollutants? Transcriptomic analysis of Manila clam collected in different Venice lagoon areas and exposed to heavy metal. <i>Aquatic Toxicology</i> , 2016, 174, 123-133.                          | 4.0  | 27        |
| 4054 | Cardiac concentric hypertrophy promoted by activated Met receptor is mitigated in vivo by inhibition of Erk1,2 signalling with Pimasertib. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 93, 84-97.                               | 1.9  | 12        |
| 4055 | Gene expression variability in mammalian embryonic stem cells using single cell RNA-seq data. <i>Computational Biology and Chemistry</i> , 2016, 63, 52-61.   | 2.3  | 28        |
| 4056 | Spermatogenesis Drives Rapid Gene Creation and Masculinization of the X Chromosome in Stalk-Eyed Flies (Diptera). <i>Genome Biology and Evolution</i> , 2016, 8, 896-914.   | 2.5  | 9         |
| 4057 | Identification of genomic biomarkers for anthracycline-induced cardiotoxicity in human iPSC-derived cardiomyocytes: an in vitro repeated exposure toxicity approach for safety assessment. <i>Archives of Toxicology</i> , 2016, 90, 2763-2777. | 4.2  | 87        |
| 4058 | Mitochondrial iron chelation ameliorates cigarette smoke-induced bronchitis and emphysema in mice. <i>Nature Medicine</i> , 2016, 22, 163-174.  | 30.7 | 206       |
| 4059 | Genetic analysis of the clonal stability of Chinese hamster ovary cells for recombinant protein production. <i>Molecular BioSystems</i> , 2016, 12, 102-109.  | 2.9  | 23        |
| 4060 | Molecular diagnosis: Implications for ophthalmology. <i>Progress in Retinal and Eye Research</i> , 2016, 50, 25-33.   | 15.5 | 7         |
| 4061 | Identification of therapeutic targets for childhood severe asthmatics with DNA microarray. <i>Allergologia Et Immunopathologia</i> , 2016, 44, 76-82.   | 1.7  | 3         |
| 4062 | Review: High-performance computing to detect epistasis in genome scale data sets. <i>Briefings in Bioinformatics</i> , 2016, 17, 368-379.   | 6.5  | 39        |
| 4063 | Targeting downstream transcription factors and epigenetic modifications following Toll-like receptor 7/8 ligation to forestall tissue injury in anti-Ro60 associated heart block. <i>Journal of Autoimmunity</i> , 2016, 67, 36-45.             | 6.5  | 19        |
| 4064 | Membrane gene ontology bias in sequencing and microarray obtained by housekeeping-gene analysis. <i>Gene</i> , 2016, 575, 559-566.  | 2.2  | 10        |
| 4065 | Prognostic factors and genes associated with endometrial cancer based on gene expression profiling by bioinformatics analysis. <i>Archives of Gynecology and Obstetrics</i> , 2016, 293, 1287-1295.   | 1.7  | 21        |
| 4066 | Prediction of the engendering mechanism and specific genes of primary melanoma by bioinformatics analysis. <i>Dermatologica Sinica</i> , 2016, 34, 14-19.   | 0.5  | 7         |
| 4067 | Gene network analysis reveals the association of important functional partners involved in antibiotic resistance: A report on an important pathogenic bacterium <i>Staphylococcus aureus</i> . <i>Gene</i> , 2016, 575, 253-263.                | 2.2  | 55        |
| 4068 | Gene expression in the mammary gland of the tammar wallaby during the lactation cycle reveals conserved mechanisms regulating mammalian lactation. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1241.                             | 0.4  | 6         |
| 4069 | Five miRNAs considered as molecular targets for predicting neuroglioma. <i>Tumor Biology</i> , 2016, 37, 1051-1059.   | 1.8  | 21        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 4070 | Heat-shock factor 2 is a suppressor of prostate cancer invasion. <i>Oncogene</i> , 2016, 35, 1770-1784.   | 5.9 | 48        |
| 4071 | Differential activation of immune/inflammatory response-related co-expression modules in the hippocampus across the major psychiatric disorders. <i>Molecular Psychiatry</i> , 2016, 21, 376-385.   | 7.9 | 60        |
| 4072 | Whole-genome association analysis of treatment response in obsessive-compulsive disorder. <i>Molecular Psychiatry</i> , 2016, 21, 270-276.  | 7.9 | 49        |
| 4073 | A survey of current trends in computational drug repositioning. <i>Briefings in Bioinformatics</i> , 2016, 17, 2-12.  | 6.5 | 459       |
| 4074 | Integrated bioinformatics analysis of miRNA expression in osteosarcoma. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 936-943.  | 2.8 | 25        |
| 4075 | Role of DNA methylation at the placental <i>RTL1</i> gene locus in type 1 diabetes. <i>Pediatric Diabetes</i> , 2017, 18, 178-187.  | 2.9 | 9         |
| 4076 | Lipid and sterol gene sequence variation in autism and correlates with neurodevelopmental status: A pilot study. <i>European Journal of Molecular and Clinical Medicine</i> , 2017, 2, 137.   | 0.1 | 1         |
| 4077 | Analysis of genomic responses in a rat lung model treated with a humidifier sterilizer containing polyhexamethyleneguanidine phosphate. <i>Toxicology Letters</i> , 2017, 268, 36-43.   | 0.8 | 16        |
| 4078 | Epigenetic silencing and activation of transcription: influence on the radiation sensitivity of glioma cell lines. <i>International Journal of Radiation Biology</i> , 2017, 93, 494-506.   | 1.8 | 10        |
| 4079 | Novel interacting proteins identified by tandem affinity purification coupled to nano LC-MS/MS interact with ribosomal S6 protein kinase 4 (RSK4) and its variant protein (RSK4m). <i>International Journal of Biological Macromolecules</i> , 2017, 96, 421-428. | 7.5 | 7         |
| 4080 | Intestinal Farnesoid X Receptor Controls Transintestinal Cholesterol Excretion in Mice. <i>Gastroenterology</i> , 2017, 152, 1126-1138.e6.  | 1.3 | 109       |
| 4081 | Myoblast replication is reduced in the IUGR fetus despite maintained proliferative capacity in vitro. <i>Journal of Endocrinology</i> , 2017, 232, 475-491.   | 2.6 | 32        |
| 4082 | Blockade to pathological remodeling of infarcted heart tissue using a porcupine antagonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1649-1654.  | 7.1 | 53        |
| 4083 | Identification of biomarkers of intrahepatic cholangiocarcinoma via integrated analysis of mRNA and miRNA microarray data. <i>Molecular Medicine Reports</i> , 2017, 15, 1051-1056.   | 2.4 | 7         |
| 4084 | Aerosol from Tobacco Heating System 2.2 has reduced impact on mouse heart gene expression compared with cigarette smoke. <i>Food and Chemical Toxicology</i> , 2017, 101, 157-167.  | 3.6 | 14        |
| 4085 | Novel blood-based microRNA biomarker panel for early diagnosis of chronic pancreatitis. <i>Scientific Reports</i> , 2017, 7, 40019.   | 3.3 | 44        |
| 4086 | Construction of an miRNA-regulated drug-pathway network reveals drug repurposing candidates for myasthenia gravis. <i>International Journal of Molecular Medicine</i> , 2017, 39, 268-278.  | 4.0 | 13        |
| 4087 | Identification of the molecular mechanisms underlying dilated cardiomyopathy via bioinformatic analysis of gene expression profiles. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 273-279.  | 1.8 | 10        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4088 | Hypercalcemia induces targeted autophagic degradation of aquaporin-2 at the onset of nephrogenic diabetes insipidus. <i>Kidney International</i> , 2017, 91, 1070-1087.                                      | 5.2  | 53        |
| 4089 | Circadian deep sequencing reveals stress-response genes that adopt robust rhythmic expression during aging. <i>Nature Communications</i> , 2017, 8, 14529.   | 12.8 | 112       |
| 4090 | Distal CpG islands can serve as alternative promoters to transcribe genes with silenced proximal promoters. <i>Genome Research</i> , 2017, 27, 553-566.  | 5.5  | 32        |
| 4091 | Nucleosome repositioning during differentiation of a human myeloid leukemia cell line. <i>Nucleus</i> , 2017, 8, 188-204.  | 2.2  | 21        |
| 4092 | Human enterovirus 71 protein interaction network prompts antiviral drug repositioning. <i>Scientific Reports</i> , 2017, 7, 43143.   | 3.3  | 19        |
| 4093 | Blood Proteomic Profiling in Inherited (ATTRm) and Acquired (ATTRwt) Forms of Transthyretin-Associated Cardiac Amyloidosis. <i>Journal of Proteome Research</i> , 2017, 16, 1659-1668.                       | 3.7  | 56        |
| 4094 | Effect of myeloid differentiation primary response gene 88 on expression profiles of genes during the development and progression of Helicobacter-induced gastric cancer. <i>BMC Cancer</i> , 2017, 17, 133. | 2.6  | 20        |
| 4095 | Involvement of matrix metalloproteinases in chronic Q fever. <i>Clinical Microbiology and Infection</i> , 2017, 23, 487.e7-487.e13.  | 6.0  | 10        |
| 4096 | Identification and characterization of differentially expressed miRNAs in subcutaneous adipose between Wagyu and Holstein cattle. <i>Scientific Reports</i> , 2017, 7, 44026.                                | 3.3  | 54        |
| 4097 | Bioinformatics analysis on the differentiation of bone mesenchymal stem cells into osteoblasts and adipocytes. <i>Molecular Medicine Reports</i> , 2017, 15, 1571-1576.                                      | 2.4  | 26        |
| 4098 | Identification of prognostic genes in kidney renal clear cell carcinoma by RNA-seq data analysis. <i>Molecular Medicine Reports</i> , 2017, 15, 1661-1667.   | 2.4  | 43        |
| 4099 | Drug Response Prediction as a Link Prediction Problem. <i>Scientific Reports</i> , 2017, 7, 40321.   | 3.3  | 64        |
| 4100 | Identification of novel NF- $\kappa$ B transcriptional targets in TNF $\alpha$ -treated HeLa and HepG2 cells. <i>Cell Biology International</i> , 2017, 41, 555-569.   | 3.0  | 10        |
| 4101 | Proteome Analysis of Human Perilymph Using an Intraoperative Sampling Method. <i>Journal of Proteome Research</i> , 2017, 16, 1911-1923.   | 3.7  | 59        |
| 4102 | Analysis of gene expression changes associated with human carcinoma-associated fibroblasts in non-small cell lung carcinoma. <i>Biological Research</i> , 2017, 50, 6.                                       | 3.4  | 20        |
| 4103 | Identification of miRNA biomarkers of pneumonia using RNA-sequencing and bioinformatics analysis. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 1235-1244.  | 1.8  | 30        |
| 4104 | TORC1-dependent sumoylation of Rpc82 promotes RNA polymerase III assembly and activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1039-1044.       | 7.1  | 38        |
| 4105 | Proteomic Analyses of Changes in <i>Synechococcus</i> sp. PCC7942 Following UV Stress. <i>Photochemistry and Photobiology</i> , 2017, 93, 1073-1080.   | 2.5  | 5         |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4106 | Therapeutic properties of <i>Scutellaria baicalensis</i> in db/db mice evaluated using Connectivity Map and network pharmacology. <i>Scientific Reports</i> , 2017, 7, 41711.  | 3.3  | 19        |
| 4107 | Activated Platelets Induce Endothelial Cell Activation via an Interleukin-1 $\beta$ Pathway in Systemic Lupus Erythematosus. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 707-716.                                | 2.4  | 77        |
| 4108 | Tdp-43 cryptic exons are highly variable between cell types. <i>Molecular Neurodegeneration</i> , 2017, 12, 13.  | 10.8 | 63        |
| 4109 | Dense genotyping of immune-related loci implicates host responses to microbial exposure in Behçet's disease susceptibility. <i>Nature Genetics</i> , 2017, 49, 438-443.  | 21.4 | 129       |
| 4110 | Expression profiling of colorectal cancer cells reveals inhibition of DNA replication licensing by extracellular calcium. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 987-996.                            | 4.1  | 8         |
| 4111 | Biochemical Fractionation of Time-Resolved <i>Drosophila</i> Embryos Reveals Similar Transcriptomic Alterations in Replication Checkpoint and Histone mRNA Processing Mutants. <i>Journal of Molecular Biology</i> , 2017, 429, 3264-3279. | 4.2  | 7         |
| 4112 | Systematic analysis of microarray datasets to identify Parkinson's disease-associated pathways and genes. <i>Molecular Medicine Reports</i> , 2017, 15, 1252-1262.   | 2.4  | 19        |
| 4113 | Intrinsic Subtypes and Gene Expression Profiles in Primary and Metastatic Breast Cancer. <i>Cancer Research</i> , 2017, 77, 2213-2221.   | 0.9  | 168       |
| 4114 | miR-425 regulates inflammatory cytokine production in CD4+ T cells via N-Ras upregulation in primary biliary cholangitis. <i>Journal of Hepatology</i> , 2017, 66, 1223-1230.  | 3.7  | 37        |
| 4115 | Identification of potential drug targets based on a computational biology algorithm for venous thromboembolism. <i>International Journal of Molecular Medicine</i> , 2017, 39, 463-471.  | 4.0  | 1         |
| 4116 | Exploration of bladder cancer molecular mechanisms based on miRNA-mRNA regulatory network. <i>Oncology Reports</i> , 2017, 37, 1461-1468.  | 2.6  | 10        |
| 4117 | TAZ contributes to pulmonary fibrosis by activating profibrotic functions of lung fibroblasts. <i>Scientific Reports</i> , 2017, 7, 42595.   | 3.3  | 84        |
| 4118 | Proteomic Profiling Analysis Reveals a Link between Experimental Autoimmune Uveitis and Complement Activation in Rats. <i>Scandinavian Journal of Immunology</i> , 2017, 85, 331-342.  | 2.7  | 9         |
| 4119 | Identification of Key Gene Modules in Human Osteosarcoma by Co-expression Analysis Weighted Gene Co-expression Network Analysis (WGCNA). <i>Journal of Cellular Biochemistry</i> , 2017, 118, 3953-3959.                                   | 2.6  | 99        |
| 4120 | H3K4 demethylase KDM5B regulates global dynamics of transcription elongation and alternative splicing in embryonic stem cells. <i>Nucleic Acids Research</i> , 2017, 45, 6427-6441.  | 14.5 | 42        |
| 4121 | Disease biomarker identification from gene network modules for metastasized breast cancer. <i>Scientific Reports</i> , 2017, 7, 1072.  | 3.3  | 13        |
| 4122 | Toxicity of nano- and ionic silver to embryonic stem cells: a comparative toxicogenomic study. <i>Journal of Nanobiotechnology</i> , 2017, 15, 31.   | 9.1  | 40        |
| 4123 | Impact of Neutron Exposure on Global Gene Expression in a Human Peripheral Blood Model. <i>Radiation Research</i> , 2017, 187, 443.  | 1.5  | 35        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4124 | Global Transcriptomic Profiling of Cortex and Striatum: Cerebral Injury after Ischemia/Reperfusion in a Mouse Model. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 1622-1634.                           | 1.6  | 7         |
| 4125 | Metallothionein 1G promotes the differentiation of HT-29 human colorectal cancer cells. <i>Oncology Reports</i> , 2017, 37, 2633-2651.  | 2.6  | 27        |
| 4126 | WGCNA Application to Proteomic and Metabolomic Data Analysis. <i>Methods in Enzymology</i> , 2017, 585, 135-158.  | 1.0  | 244       |
| 4127 | Transcriptomic Analysis of Host Immune Response in the Skin of Chickens Infected with Marek's Disease Virus. <i>Viral Immunology</i> , 2017, 30, 377-387.   | 1.3  | 18        |
| 4128 | 5-methylcytosine promotes mRNA export â€” NSUN2 as the methyltransferase and ALYREF as an m5C reader. <i>Cell Research</i> , 2017, 27, 606-625.   | 12.0 | 666       |
| 4129 | ORIO (Online Resource for Integrative Omics): a web-based platform for rapid integration of next generation sequencing data. <i>Nucleic Acids Research</i> , 2017, 45, 5678-5690.   | 14.5 | 11        |
| 4130 | The Longitudinal Transcriptional Response to Neoadjuvant Chemotherapy with and without Bevacizumab in Breast Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 4662-4670.   | 7.0  | 31        |
| 4131 | Microarray profiling of long non-coding RNAs associated with idiopathic pulmonary arterial hypertension. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 2657-2666.  | 1.8  | 13        |
| 4132 | Microarray-based screening of differentially expressed genes in glucocorticoid-induced avascular necrosis. <i>Molecular Medicine Reports</i> , 2017, 15, 3583-3590.   | 2.4  | 4         |
| 4133 | Identification of key genes associated with Schmid-type metaphyseal chondrodysplasia based on microarray data. <i>International Journal of Molecular Medicine</i> , 2017, 39, 1428-1436.                                    | 4.0  | 6         |
| 4134 | Reduction of the tumorigenic potential of human retinoblastoma cell lines by <i>TFF1</i> overexpression involves p53/caspase signaling and miR-18a regulation. <i>International Journal of Cancer</i> , 2017, 141, 549-560. | 5.1  | 38        |
| 4135 | Dysregulation of MS risk genes and pathways at distinct stages of disease. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2017, 4, e337.   | 6.0  | 34        |
| 4136 | Deep sequencing reveals complex mechanisms of microRNA regulation during retinoic acid-induced neuronal differentiation of mesenchymal stem cells. <i>Genomics</i> , 2017, 109, 302-311.                                    | 2.9  | 9         |
| 4137 | Statistical Analysis of ATM-Dependent Signaling in Quantitative Mass Spectrometry Phosphoproteomics. <i>Methods in Molecular Biology</i> , 2017, 1599, 229-244.   | 0.9  | 6         |
| 4138 | Expression signatures of long non-coding RNA in the substantia nigra of pre-symptomatic mouse model of Parkinson's disease. <i>Behavioural Brain Research</i> , 2017, 331, 123-130.   | 2.2  | 24        |
| 4139 | Overexpression of hsa-miR-939 follows by NGFR down-regulation and apoptosis reduction. <i>Journal of Biosciences</i> , 2017, 42, 23-30.   | 1.1  | 5         |
| 4140 | Identification of Key Gene Modules of Neuropathic Pain by Co-Expression Analysis. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 4436-4443.   | 2.6  | 9         |
| 4141 | STRIP2 Is Indispensable for the Onset of Embryonic Stem Cell Differentiation. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017, 5, 116-129.   | 4.1  | 16        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4142 | The effect of maternal chromium status on lipid metabolism in female elderly mice offspring and involved molecular mechanism. Bioscience Reports, 2017, 37, .   | 2.4  | 6         |
| 4143 | Integrated analysis of mRNA and miRNA expression profiles in pancreatic ductal adenocarcinoma. Oncology Reports, 2017, 37, 2779-2786.   | 2.6  | 11        |
| 4144 | Reconstruction and analysis of the lncRNA-miRNA-mRNA network based on competitive endogenous RNA reveal functional lncRNAs in rheumatoid arthritis. Molecular BioSystems, 2017, 13, 1182-1192.  | 2.9  | 87        |
| 4145 | Whole genome sequence association and ancestry-informed polygenic profile of EEG alpha in a Native American population. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2017, 174, 435-450.                         | 1.7  | 5         |
| 4146 | Cell diversity and network dynamics in photosensitive human brain organoids. Nature, 2017, 545, 48-53.  | 27.8 | 933       |
| 4147 | Comparative analysis of gene expression profiles for several migrating cell types identifies cell migration regulators. Mechanisms of Development, 2017, 148, 40-55.  | 1.7  | 15        |
| 4148 | Methods, Tools and Current Perspectives in Proteogenomics. Molecular and Cellular Proteomics, 2017, 16, 959-981.  | 3.8  | 130       |
| 4149 | Binge Alcohol Intake After Hypergravity Stress Sustainably Decreases AMPK and Transcription Factors Necessary for Hepatocyte Survival. Alcoholism: Clinical and Experimental Research, 2017, 41, 76-86.                                     | 2.4  | 3         |
| 4150 | Theobromine Upregulates Osteogenesis by Human Mesenchymal Stem Cells In Vitro and Accelerates Bone Development in Rats. Calcified Tissue International, 2017, 100, 298-310.   | 3.1  | 15        |
| 4151 | A PAM50-Based Chemoendocrine Score for Hormone Receptor-Positive Breast Cancer with an Intermediate Risk of Relapse. Clinical Cancer Research, 2017, 23, 3035-3044.   | 7.0  | 28        |
| 4152 | Construction and analysis of a human testis/sperm-enriched interaction network: Unraveling the PPP1CC2 interactome. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 375-385.  | 2.4  | 9         |
| 4153 | Integrated gene expression profiling and chromatin immunoprecipitation followed by sequencing: Analysis of the C-terminal binding protein in breast cancer. Journal of Obstetrics and Gynaecology Research, 2017, 43, 1472-1480.            | 1.3  | 2         |
| 4154 | A hormonal cue promotes timely follicle cell migration by modulating transcription profiles. Mechanisms of Development, 2017, 148, 56-68.   | 1.7  | 19        |
| 4155 | Integrative analysis of multiple genomic variables using a hierarchical Bayesian model. Bioinformatics, 2017, 33, 3220-3227.  | 4.1  | 5         |
| 4156 | Interaction of reactive astrocytes with type I collagen induces astrocytic scar formation through the integrin-N-cadherin pathway after spinal cord injury. Nature Medicine, 2017, 23, 818-828.   | 30.7 | 355       |
| 4157 | The effect of elevated progesterone levels before oocyte retrieval in women undergoing ovarian stimulation for IVF treatment on the genomic profile of peri-implantation endometrium. Journal of Reproductive Immunology, 2017, 121, 17-25. | 1.9  | 27        |
| 4158 | Differential gene expression in porcine oviduct during the oestrous cycle. Reproduction, Fertility and Development, 2017, 29, 2387.   | 0.4  | 19        |
| 4159 | Silencing TAK1 alters gene expression signatures in bladder cancer cells. Oncology Letters, 2017, 13, 2975-2981.  | 1.8  | 20        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4160 | Candidate miRNAs and pathogenesis investigation for hepatocellular carcinoma based on bioinformatics analysis. <i>Oncology Letters</i> , 2017, 13, 3409-3414.   | 1.8  | 12        |
| 4161 | KrÄppel-like factors compete for promoters and enhancers to fine-tune transcription. <i>Nucleic Acids Research</i> , 2017, 45, 6572-6588.  | 14.5 | 40        |
| 4162 | Sequence analysis of chromosome 1 revealed different selection patterns between Chinese wild mice and laboratory strains. <i>Molecular Genetics and Genomics</i> , 2017, 292, 1111-1121.  | 2.1  | 2         |
| 4163 | Structural evidence of quercetin multi-target bioactivity: A reverse virtual screening strategy. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 106, 393-403.   | 4.0  | 33        |
| 4164 | Dicer Deficiency Differentially Impacts Microglia of the Developing and Adult Brain. <i>Immunity</i> , 2017, 46, 1030-1044.e8.  | 14.3 | 68        |
| 4165 | Genetics of alcohol consumption in <i>Drosophila melanogaster</i> . <i>Genes, Brain and Behavior</i> , 2017, 16, 675-685.   | 2.2  | 17        |
| 4166 | Cardiac fibroblast transcriptome analyses support a role for interferogenic, profibrotic, and inflammatory genes in anti-SSA/Ro-associated congenital heart block. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H631-H640. | 3.2  | 15        |
| 4167 | Genome-wide gene expression profiling reveals that CD274 is up-regulated new-onset type 1 diabetes mellitus. <i>Acta Diabetologica</i> , 2017, 54, 757-767.   | 2.5  | 15        |
| 4168 | Inhalation of a racemic mixture (R,S)-linalool by rats experiencing restraint stress alters neuropeptide and MHC class I gene expression in the hypothalamus. <i>Neuroscience Letters</i> , 2017, 653, 314-319.   | 2.1  | 13        |
| 4169 | Precision medicine for hepatocellular carcinoma using molecular pattern diagnostics: results from a preclinical pilot study. <i>Cell Death and Disease</i> , 2017, 8, e2867-e2867.  | 6.3  | 8         |
| 4170 | CONSTANS Imparts DNA Sequence Specificity to the Histone Fold NF-YB/NF-YC Dimer. <i>Plant Cell</i> , 2017, 29, 1516-1532.   | 6.6  | 108       |
| 4171 | Embryonic AP1 Transcription Factor Deficiency Causes a Collodion Baby-Like Phenotype. <i>Journal of Investigative Dermatology</i> , 2017, 137, 1868-1877.   | 0.7  | 3         |
| 4172 | Identifying miRNA-mRNA regulation network of chronic pancreatitis based on the significant functional expression. <i>Medicine (United States)</i> , 2017, 96, e6668.  | 1.0  | 24        |
| 4173 | Downregulation of TRPM7 suppressed migration and invasion by regulating epithelialâmesenchymal transition in prostate cancer cells. <i>Medical Oncology</i> , 2017, 34, 127.  | 2.5  | 31        |
| 4174 | Targeting of super-enhancers and mutant BRAF can suppress growth of BRAF -mutant colon cancer cells via repression of MAPK signaling pathway. <i>Cancer Letters</i> , 2017, 402, 100-109.   | 7.2  | 28        |
| 4175 | Major hnRNP proteins act as general TDP-43 functional modifiers both in <i>Drosophila</i> and human neuronal cells. <i>Nucleic Acids Research</i> , 2017, 45, 8026-8045.  | 14.5 | 62        |
| 4176 | Estrogen Receptor-Î² Modulation of the ERÎ±-p53 Loop Regulating Gene Expression, Proliferation, and Apoptosis in Breast Cancer. <i>Hormones and Cancer</i> , 2017, 8, 230-242.  | 4.9  | 39        |
| 4177 | Data for the generation of RNA spatiotemporal distributions and interpretation of Chk1 and SLBP protein depletion phenotypes during <i>Drosophila</i> embryogenesis. <i>Data in Brief</i> , 2017, 13, 28-31.  | 1.0  | 3         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 4178 | Proteome dynamics during postnatal mouse corpus callosum development. <i>Scientific Reports</i> , 2017, 7, 45359.   | 3.3 | 5         |
| 4179 | G9A performs important roles in the progression of breast cancer through upregulating its targets. <i>Oncology Letters</i> , 2017, 13, 4127-4132.   | 1.8 | 3         |
| 4180 | Bioinformatics analysis of gene expression alterations in microRNA-122 knockout mice with hepatocellular carcinoma. <i>Molecular Medicine Reports</i> , 2017, 15, 3681-3689.  | 2.4 | 10        |
| 4181 | Identification of microRNA biomarkers in the blood of breast cancer patients based on microRNA profiling. <i>Gene</i> , 2017, 619, 10-20.   | 2.2 | 80        |
| 4182 | Omics Approaches to Identify Potential Biomarkers of Inflammatory Diseases in the Focal Adhesion Complex. <i>Genomics, Proteomics and Bioinformatics</i> , 2017, 15, 101-109.   | 6.9 | 10        |
| 4183 | The molecular mechanisms of androgen receptor in nephrolithiasis. <i>Gene</i> , 2017, 616, 16-21.   | 2.2 | 7         |
| 4184 | In Silico Approaches Toward Combating Antibiotic Resistance. , 2017, , 577-593.   |     | 2         |
| 4185 | Potentially Important MicroRNAs in Form-Deprivation Myopia Revealed by Bioinformatics Analysis of MicroRNA Profiling. <i>Ophthalmic Research</i> , 2017, 57, 186-193.   | 1.9 | 26        |
| 4186 | Cecal MicroRNAome response to <i>Salmonella enterica</i> serovar Enteritidis infection in White Leghorn Layer. <i>BMC Genomics</i> , 2017, 18, 77.  | 2.8 | 31        |
| 4187 | The Generation and Validation of a 20â€œGenes Model Influencing the Prognosis of Colorectal Cancer. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 3675-3685.   | 2.6 | 6         |
| 4188 | <scp>TFE</scp> 3 regulates wholeâ€œbody energy metabolism in cooperation with <scp>TFEB</scp>. <i>EMBO Molecular Medicine</i> , 2017, 9, 605-621.   | 6.9 | 101       |
| 4189 | Genomeâ€œwide association study of cellâ€œmediated immune response in chicken. <i>Journal of Animal Breeding and Genetics</i> , 2017, 134, 405-411.   | 2.0 | 15        |
| 4190 | Immunoproteomic identification and characterization of Ni2+-regulated proteins implicates Ni2+ in the induction of monocyte cell death. <i>Cell Death and Disease</i> , 2017, 8, e2684-e2684.                           | 6.3 | 13        |
| 4191 | Molecular Evidence for Differential Long-term Outcomes of Early Life Severe Acute Malnutrition. <i>EBioMedicine</i> , 2017, 18, 274-280.  | 6.1 | 15        |
| 4192 | The histone demethylase KDM3A, and its downstream target MCAM, promote Ewing Sarcoma cell migration and metastasis. <i>Oncogene</i> , 2017, 36, 4150-4160.  | 5.9 | 56        |
| 4193 | Recurrent rewiring and emergence of RNA regulatory networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2816-E2825.   | 7.1 | 32        |
| 4194 | Global DNA methylation profiling of manganese-exposed human neuroblastoma SH-SY5Y cells reveals epigenetic alterations in Parkinsonâ€œ™s disease-associated genes. <i>Archives of Toxicology</i> , 2017, 91, 2629-2641. | 4.2 | 41        |
| 4195 | Comparative analysis of TCDD-induced AhR-mediated gene expression in human, mouse and rat primary B cells. <i>Toxicology and Applied Pharmacology</i> , 2017, 316, 95-106.  | 2.8 | 31        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4196 | Effect of different early weaning regimens for calves on adipogenic gene expression in Hanwoo loin at the fattening stage. <i>Livestock Science</i> , 2017, 195, 87-98.  | 1.6  | 12        |
| 4197 | The functional consequences and prognostic value of dosage sensitivity in ovarian cancer. <i>Molecular BioSystems</i> , 2017, 13, 380-391.   | 2.9  | 10        |
| 4198 | Hepatic gene transcription profiles in turbot ( <i>Scophthalmus maximus</i> ) experimentally exposed to heavy fuel oil n° 6 and to styrene. <i>Marine Environmental Research</i> , 2017, 123, 14-24.   | 2.5  | 7         |
| 4199 | Profiling bovine blastocyst microRNAs using deep sequencing. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1545.  | 0.4  | 9         |
| 4200 | Comparative analysis of hepatocellular carcinoma and cirrhosis gene expression profiles. <i>Molecular Medicine Reports</i> , 2017, 15, 380-386.  | 2.4  | 16        |
| 4201 | Identification of potential therapeutic targets for gliomas by bioinformatics analysis. <i>Oncology Letters</i> , 2017, 14, 5203-5210.   | 1.8  | 3         |
| 4202 | Combined analysis of ChIP-seq and gene microarray datasets identify the E2-mediated genes in ER±-dependent manner in osteosarcoma. <i>Oncology Reports</i> , 2017, 38, 2335-2342.  | 2.6  | 2         |
| 4203 | Bivalent complexes of PRC1 with orthologs of BRD4 and MOZ/MORF target developmental genes in <i>Drosophila</i> . <i>Genes and Development</i> , 2017, 31, 1988-2002.   | 5.9  | 25        |
| 4204 | Screening and identification of critical transcription factors involved in the protection of cardiomyocytes against hydrogen peroxide-induced damage by Yixin-shu. <i>Scientific Reports</i> , 2017, 7, 13867.   | 3.3  | 13        |
| 4205 | Network-based analysis of the molecular mechanisms of multiple myeloma and monoclonal gammopathy of undetermined significance. <i>Oncology Letters</i> , 2017, 14, 4167-4175.  | 1.8  | 16        |
| 4206 | Transcriptome profiling and functional analysis of sheep fed with high zinc-supplemented diet: A nutrigenomic approach. <i>Animal Feed Science and Technology</i> , 2017, 234, 195-204.  | 2.2  | 11        |
| 4207 | Relevance of iPSC-derived human PGC-like cells at the surface of embryoid bodies to prechemotaxis migrating PGCs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9913-E9922.   | 7.1  | 41        |
| 4208 | MCbiclust: a novel algorithm to discover large-scale functionally related gene sets from massive transcriptomics data collections. <i>Nucleic Acids Research</i> , 2017, 45, 8712-8730.  | 14.5 | 13        |
| 4209 | Prognostic genes of breast cancer revealed by gene co-expression network analysis. <i>Oncology Letters</i> , 2017, 14, 4535-4542.  | 1.8  | 27        |
| 4210 | Molecular-level effects of acupuncture on depression: a genome-wide transcriptome analysis of pituitary gland in rats exposed to chronic restraint stress. <i>Journal of Traditional Chinese Medicine = Chung I Tsa Chih Ying Wen Pan / Sponsored By All-China Association of Traditional Chinese Medicine, Academy of Traditional Chinese Medicine</i> , 2017, 37, 486-495. | 0.4  | 4         |
| 4211 | Differential protein-coding gene and long noncoding RNA expression in smoking-related lung squamous cell carcinoma. <i>Thoracic Cancer</i> , 2017, 8, 672-681.   | 1.9  | 27        |
| 4212 | Investigating the mechanisms of papillary thyroid carcinoma using transcriptome analysis. <i>Molecular Medicine Reports</i> , 2017, 16, 5954-5964.   | 2.4  | 3         |
| 4213 | Bi-directional and shared epigenomic signatures following proton and 56Fe irradiation. <i>Scientific Reports</i> , 2017, 7, 10227.   | 3.3  | 36        |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4214 | Therapeutic potential of Bifidobacterium breve strain A1 for preventing cognitive impairment in Alzheimer's disease. Scientific Reports, 2017, 7, 13510.   | 3.3  | 270       |
| 4215 | High rate of translocation-based gene birth on the <i>Drosophila</i> Y chromosome. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11721-11726.              | 7.1  | 35        |
| 4216 | Dynamic and Modularized MicroRNA Regulation and Its Implication in Human Cancers. Scientific Reports, 2017, 7, 13356.  | 3.3  | 60        |
| 4217 | A Problem-Driven Approach for Building a Bioinformatics GraphDB. Lecture Notes in Computer Science, 2017, , 134-144.   | 1.3  | 0         |
| 4218 | Rapid Evolution of Genes Involved in Learning and Energy Metabolism for Domestication of the Laboratory Rat. Molecular Biology and Evolution, 2017, 34, 3148-3153.                                       | 8.9  | 14        |
| 4219 | Effect of metabolic status on conceptus-maternal interactions on day 19 in dairy cattle: II. Effects on the endometrial transcriptome. Biology of Reproduction, 2017, 97, 413-425.                       | 2.7  | 19        |
| 4220 | Increased heme synthesis in yeast induces a metabolic switch from fermentation to respiration even under conditions of glucose repression. Journal of Biological Chemistry, 2017, 292, 16942-16954.      | 3.4  | 48        |
| 4221 | Bioinformatics analysis of gene expression profiling for identification of potential key genes among ischemic stroke. Medicine (United States), 2017, 96, e7564.   | 1.0  | 10        |
| 4222 | CtBP2 is associated with angiogenesis and regulates the apoptosis of prostate cancer cells. Oncology Reports, 2017, 38, 1259-1267.   | 2.6  | 7         |
| 4223 | A systems biology approach to identify microRNAs contributing to cisplatin resistance in human ovarian cancer cells. Molecular BioSystems, 2017, 13, 2268-2276.  | 2.9  | 28        |
| 4224 | Membrane Proteomics of Impaired Energetics and Cytoskeletal Disorganization in Elderly Diet-Induced Diabetic Mice. Journal of Proteome Research, 2017, 16, 3504-3513.                                    | 3.7  | 6         |
| 4225 | Phosphoproteomics reveals that glycogen synthase kinase-3 phosphorylates multiple splicing factors and is associated with alternative splicing. Journal of Biological Chemistry, 2017, 292, 18240-18255. | 3.4  | 52        |
| 4226 | High-content siRNA screen of the kinome identifies kinases involved in Git2-induced mesenchymal-epithelial transition. Molecular Biology, 2017, 51, 614-620.   | 1.3  | 0         |
| 4227 | RNA-seq analysis of the kidneys of broiler chickens fed diets containing different concentrations of calcium. Scientific Reports, 2017, 7, 11740.  | 3.3  | 16        |
| 4228 | Postnatal diet remodels hepatic DNA methylation in metabolic pathways established by a maternal high-fat diet. Epigenomics, 2017, 9, 1387-1402.  | 2.1  | 22        |
| 4229 | Screening candidate microRNA-mRNA regulatory pairs for predicting the response to chemoradiotherapy in rectal cancer by a bioinformatics approach. Scientific Reports, 2017, 7, 11312.                   | 3.3  | 4         |
| 4230 | Identification of hypoxia-regulated angiogenic genes in colorectal cancer. Biochemical and Biophysical Research Communications, 2017, 493, 461-467.  | 2.1  | 15        |
| 4231 | The non-canonical poly(A) polymerase FAM46C acts as an onco-suppressor in multiple myeloma. Nature Communications, 2017, 8, 619.   | 12.8 | 77        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4232 | Bioinformatics method identifies potential biomarkers of dilated cardiomyopathy in a human induced pluripotent stem cell-derived cardiomyocyte model. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 2771-2778.                                    | 1.8  | 10        |
| 4233 | Transcriptional dysregulation of Interferome in experimental and human Multiple Sclerosis. <i>Scientific Reports</i> , 2017, 7, 8981.  | 3.3  | 22        |
| 4234 | Neuroblastoma patient-derived xenograft cells cultured in stem-cell promoting medium retain tumorigenic and metastatic capacities but differentiate in serum. <i>Scientific Reports</i> , 2017, 7, 10274.  | 3.3  | 26        |
| 4235 | SOCS2 exacerbates myocardial injury induced by ischemia/reperfusion in diabetic mice and H9c2 cells through inhibiting the JAK-STAT-IGF-1 pathway. <i>Life Sciences</i> , 2017, 188, 101-109.  | 4.3  | 24        |
| 4236 | Differential alternative splicing coupled to nonsense-mediated decay of mRNA ensures dietary restriction-induced longevity. <i>Nature Communications</i> , 2017, 8, 306.   | 12.8 | 63        |
| 4237 | Conditional deletion of ELL2 induces murine prostate intraepithelial neoplasia. <i>Journal of Endocrinology</i> , 2017, 235, 123-136.  | 2.6  | 12        |
| 4238 | Global transcriptional regulatory network for <i>Escherichia coli</i> robustly connects gene expression to transcription factor activities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10286-10291. | 7.1  | 89        |
| 4239 | Time-series expression profile analysis of fracture healing in young and old mice. <i>Molecular Medicine Reports</i> , 2017, 16, 4529-4536.  | 2.4  | 10        |
| 4240 | NRF2 deficiency replicates transcriptomic changes in Alzheimer's patients and worsens APP and TAU pathology. <i>Redox Biology</i> , 2017, 13, 444-451.   | 9.0  | 161       |
| 4241 | Transcriptome landscape of human primary monocytes at different sequencing depth. <i>Genomics</i> , 2017, 109, 463-470.  | 2.9  | 9         |
| 4242 | scRNA sequencing in postmortem human brains of neuropsychiatric disorders. <i>Psychiatry and Clinical Neurosciences</i> , 2017, 71, 663-672.   | 1.8  | 14        |
| 4243 | Systematic analysis of gene expression patterns associated with postmortem interval in human tissues. <i>Scientific Reports</i> , 2017, 7, 5435.   | 3.3  | 80        |
| 4244 | Integrative analysis of mRNA and miRNA expression profiles in oral lichen planus: preliminary results. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2017, 124, 390-402.e17.   | 0.4  | 22        |
| 4245 | Prognosis genes in gastric adenocarcinoma identified by cross talk genes in disease-related pathways. <i>Molecular Medicine Reports</i> , 2017, 16, 1232-1240.   | 2.4  | 10        |
| 4246 | High-depth, high-accuracy microsatellite genotyping enables precision lung cancer risk classification. <i>Oncogene</i> , 2017, 36, 6383-6390.  | 5.9  | 13        |
| 4247 | ALM1 is an actin-binding protein that suppresses cell migration and micrometastatic dissemination. <i>Nature Communications</i> , 2017, 8, 142.  | 12.8 | 36        |
| 4248 | Transcriptome profiling of monocytes from XLA patients revealed the innate immune function dysregulation due to the BTK gene expression deficiency. <i>Scientific Reports</i> , 2017, 7, 6836.   | 3.3  | 19        |
| 4249 | Virus and dsRNA-triggered transcriptional responses reveal key components of honey bee antiviral defense. <i>Scientific Reports</i> , 2017, 7, 6448.   | 3.3  | 97        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 4250 | T2DiACoD: A Gene Atlas of Type 2 Diabetes Mellitus Associated Complex Disorders. <i>Scientific Reports</i> , 2017, 7, 6892.  | 3.3 | 38        |
| 4251 | Clinical and genomic responses to ultra-short course chemotherapy in spinal tuberculosis. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 1681-1688.  | 1.8 | 3         |
| 4252 | Angiotensin II regulates phosphorylation of actin-associated proteins in human podocytes. <i>FASEB Journal</i> , 2017, 31, 5019-5035.  | 0.5 | 18        |
| 4253 | Role for High-Affinity IgE Receptor in Prognosis of Lung Adenocarcinoma Patients. <i>Cancer Immunology Research</i> , 2017, 5, 821-829.  | 3.4 | 14        |
| 4254 | Genome-wide transcriptome analysis of hippocampus in rats indicated that TLR/NLR signaling pathway was involved in the pathogenesis of depressive disorder induced by chronic restraint stress. <i>Brain Research Bulletin</i> , 2017, 134, 195-204.                         | 3.0 | 29        |
| 4255 | Potential therapeutic targets and small molecular drugs for pediatric B-precursor acute lymphoblastic leukemia treatment based on microarray data. <i>Oncology Letters</i> , 2017, 14, 1543-1549.  | 1.8 | 7         |
| 4256 | An integrated approach to identify critical transcription factors in the protection against hydrogen peroxide-induced oxidative stress by Danhong injection. <i>Free Radical Biology and Medicine</i> , 2017, 112, 480-493.  | 2.9 | 17        |
| 4257 | Transcriptomic characterization of bovine primary cultured hepatocytes; a cross-comparison with a bovine liver and the Madin-Darby bovine kidney cells. <i>Research in Veterinary Science</i> , 2017, 113, 40-49.  | 1.9 | 8         |
| 4258 | Effect of SMYD3 on the microRNA expression profile of MCF-7 breast cancer cells. <i>Oncology Letters</i> , 2017, 14, 1831-1840.  | 1.8 | 8         |
| 4259 | The interplay of matrix metalloproteinase-8, transforming growth factor- $\beta$ 1 and vascular endothelial growth factor-C cooperatively contributes to the aggressiveness of oral tongue squamous cell carcinoma. <i>British Journal of Cancer</i> , 2017, 117, 1007-1016. | 6.4 | 27        |
| 4260 | Time-series analysis in imatinib-resistant chronic myeloid leukemia K562-cells under different drug treatments. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2017, 37, 621-627.  | 1.0 | 4         |
| 4261 | AP-2 $\beta$ and AP-2 $\gamma$ cooperatively orchestrate homeobox gene expression during branchial arch patterning. <i>Development (Cambridge)</i> , 2018, 145, .  | 2.5 | 35        |
| 4262 | Comparative transcriptomic analysis of endothelial progenitor cells derived from umbilical cord blood and adult peripheral blood: Implications for the generation of induced pluripotent stem cells. <i>Stem Cell Research</i> , 2017, 25, 202-212.                          | 0.7 | 12        |
| 4263 | Bioinformatics analysis of gene expression data for the identification of critical genes in breast invasive carcinoma. <i>Molecular Medicine Reports</i> , 2017, 16, 8657-8664.  | 2.4 | 4         |
| 4264 | E2F/DP Prevents Cell-Cycle Progression in Endocycling Fat Body Cells by Suppressing dATM Expression. <i>Developmental Cell</i> , 2017, 43, 689-703.e5.   | 7.0 | 21        |
| 4265 | Co-expression network analysis identified six hub genes in association with progression and prognosis in human clear cell renal cell carcinoma (ccRCC). <i>Genomics Data</i> , 2017, 14, 132-140.  | 1.3 | 83        |
| 4266 | Exome array analysis identifies GPR35 as a novel susceptibility gene for anthracycline-induced cardiotoxicity in childhood cancer. <i>Pharmacogenetics and Genomics</i> , 2017, 27, 445-453.   | 1.5 | 22        |
| 4267 | In silico-based screen synergistic drug combinations from herb medicines: a case using Cistanche tubulosa. <i>Scientific Reports</i> , 2017, 7, 16364.   | 3.3 | 17        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4268 | Exploration of the mechanism of colorectal cancer metastasis using microarray analysis. <i>Oncology Letters</i> , 2017, 14, 6671-6677.  | 1.8  | 13        |
| 4269 | Effect of Andrographolide on Gene Expression Profile and Intracellular Calcium in Primary Rat Myocardium Microvascular Endothelial Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2017, 70, 369-381.  | 1.9  | 7         |
| 4270 | Deep sequencing and comprehensive expression analysis identifies several molecules potentially related to human poorly differentiated hepatocellular carcinoma. <i>FEBS Open Bio</i> , 2017, 7, 1696-1706.    | 2.3  | 17        |
| 4271 | sPAGM: inferring subpathway activity by integrating gene and miRNA expression-robust functional signature identification for melanoma prognoses. <i>Scientific Reports</i> , 2017, 7, 15322.                  | 3.3  | 6         |
| 4272 | Genomic Subtypes of Non-invasive Bladder Cancer with Distinct Metabolic Profile and Female Gender Bias in KDM6A Mutation Frequency. <i>Cancer Cell</i> , 2017, 32, 701-715.e7.                                | 16.8 | 224       |
| 4273 | Histone methyltransferase G9a is a key regulator of the starvation-induced behaviors in <i>Drosophila melanogaster</i> . <i>Scientific Reports</i> , 2017, 7, 14763.  | 3.3  | 9         |
| 4274 | Combinatory Evaluation of Transcriptome and Metabolome Profiles of Low Temperature-induced Resistant Ascites Syndrome in Broiler Chickens. <i>Scientific Reports</i> , 2017, 7, 2389.                         | 3.3  | 5         |
| 4275 | Systemic analysis of different colorectal cancer cell lines and TCGA datasets identified IGF-1R/EGFR-PPAR-CASPASE axis as important indicator for radiotherapy sensitivity. <i>Gene</i> , 2017, 627, 484-490. | 2.2  | 13        |
| 4276 | Discover mouse gene coexpression landscapes using dictionary learning and sparse coding. <i>Brain Structure and Function</i> , 2017, 222, 4253-4270.  | 2.3  | 7         |
| 4277 | Modeling cancer driver events in vitro using barrier bypass-clonal expansion assays and massively parallel sequencing. <i>Oncogene</i> , 2017, 36, 6041-6048.   | 5.9  | 10        |
| 4278 | Maternal chromium restriction modulates miRNA profiles related to lipid metabolism disorder in mice offspring. <i>Experimental Biology and Medicine</i> , 2017, 242, 1444-1452.                               | 2.4  | 10        |
| 4279 | Scalable FRaC Variants: Anomaly Detection for Precision Medicine. , 2017, , .   |      | 0         |
| 4280 | Oviductal transcriptional profiling of a bovine fertility model by next-generation sequencing. <i>Genomics Data</i> , 2017, 13, 27-29.  | 1.3  | 8         |
| 4281 | Changes of Protein Turnover in Aging <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1621-1633.  | 3.8  | 46        |
| 4282 | Identification and functional analysis of the risk microRNAs associated with cerebral low-grade glioma prognosis. <i>Molecular Medicine Reports</i> , 2017, 16, 1173-1179.                                    | 2.4  | 12        |
| 4283 | Uterine responses to early pre-attachment embryos in the domestic dog and comparisons with other domestic animal species. <i>Biological Reproduction</i> , 2017, 97, 197-216.                                 | 2.7  | 22        |
| 4284 | Comparative proteome analysis between <i>C. briggsae</i> embryos and larvae reveals a role of chromatin modification proteins in embryonic cell division. <i>Scientific Reports</i> , 2017, 7, 4296.          | 3.3  | 2         |
| 4285 | Transcriptomic responses of the liver and adipose tissues to altered carbohydrate-fat ratio in diet: an isoenergetic study in young rats. <i>Genes and Nutrition</i> , 2017, 12, 10.                          | 2.5  | 9         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4286 | NaviGO: interactive tool for visualization and functional similarity and coherence analysis with gene ontology. BMC Bioinformatics, 2017, 18, 177.   | 2.6  | 53        |
| 4287 | Associating transcriptional modules with colon cancer survival through weighted gene co-expression network analysis. BMC Genomics, 2017, 18, 361.  | 2.8  | 58        |
| 4288 | Biological mechanisms discriminating growth rate and adult body weight phenotypes in two Chinese indigenous chicken breeds. BMC Genomics, 2017, 18, 469.   | 2.8  | 12        |
| 4289 | RNAi reveals proteins for metabolism and protein processing associated with Langkat virus infection in Ixodes scapularis (black-legged tick) ISE6 cells. Parasites and Vectors, 2017, 10, 24.                    | 2.5  | 30        |
| 4290 | SMYD5 regulates H4K20me3-marked heterochromatin to safeguard ES cell self-renewal and prevent spurious differentiation. Epigenetics and Chromatin, 2017, 10, 8.  | 3.9  | 45        |
| 4291 | NetProt: Complex-based Feature Selection. Journal of Proteome Research, 2017, 16, 3102-3112.   | 3.7  | 16        |
| 4292 | High motivation for exercise is associated with altered chromatin regulators of monoamine receptor gene expression in the striatum of selectively bred mice. Genes, Brain and Behavior, 2017, 16, 328-341.       | 2.2  | 33        |
| 4293 | Correlation of B7-H3 with androgen receptor, immune pathways and poor outcome in prostate cancer: an expression-based analysis. Prostate Cancer and Prostatic Diseases, 2017, 20, 28-35.                         | 3.9  | 120       |
| 4294 | Cell Cycle M-Phase Genes Are Highly Upregulated in Anaplastic Thyroid Carcinoma. Thyroid, 2017, 27, 236-252.   | 4.5  | 54        |
| 4295 | The molecular basis of breast cancer pathological phenotypes. Journal of Pathology, 2017, 241, 375-391.  | 4.5  | 86        |
| 4296 | Proteomic analysis of mucopolysaccharidosis I mouse brain with two-dimensional polyacrylamide gel electrophoresis. Molecular Genetics and Metabolism, 2017, 120, 101-110.  | 1.1  | 12        |
| 4297 | Western diet enhances intestinal tumorigenesis in Min/+ mice, associating with mucosal metabolic and inflammatory stress and loss of Apc heterozygosity. Journal of Nutritional Biochemistry, 2017, 39, 126-133. | 4.2  | 12        |
| 4298 | A Cell Type-Specific Expression Signature Predicts Haploinsufficient Autism-Susceptibility Genes. Human Mutation, 2017, 38, 204-215.   | 2.5  | 38        |
| 4299 | Reciprocal Regulation between the Circadian Clock and Hypoxia Signaling at the Genome Level in Mammals. Cell Metabolism, 2017, 25, 73-85.  | 16.2 | 215       |
| 4300 | Dynamic remodeling of endometrial extracellular matrix regulates embryo receptivity in cattle. Reproduction, 2017, 153, 49-61.   | 2.6  | 25        |
| 4301 | Network-based expression analysis reveals key genes related to glucocorticoid resistance in infant acute lymphoblastic leukemia. Cellular Oncology (Dordrecht), 2017, 40, 33-45.                                 | 4.4  | 21        |
| 4302 | Genetic and hormonal control of hepatic steatosis in female and male mice. Journal of Lipid Research, 2017, 58, 178-187.   | 4.2  | 46        |
| 4303 | Machine learning techniques to discover genes with potential prognosis role in Alzheimer's disease using different biological sources. Information Fusion, 2017, 36, 114-129.                                    | 19.1 | 22        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 4304 | Liver p53 is stabilized upon starvation and required for amino acid catabolism and gluconeogenesis. <i>FASEB Journal</i> , 2017, 31, 732-742.   | 0.5 | 55        |
| 4305 | The Value of a Novel Panel of Cervical Cancer Biomarkers for Triage of HPV Positive Patients and for Detecting Disease Progression. <i>Pathology and Oncology Research</i> , 2017, 23, 295-305.     | 1.9 | 10        |
| 4306 | Genome-wide genetic variation discovery in Chinese Taihu pig breeds using next generation sequencing. <i>Animal Genetics</i> , 2017, 48, 38-47.   | 1.7 | 27        |
| 4307 | Identified key genes related to carotid atheroma plaque from gene expression chip. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1132-1137.                                   | 2.8 | 4         |
| 4308 | Identification of genes and proteins associated with anagen wool growth. <i>Animal Genetics</i> , 2017, 48, 67-79.  | 1.7 | 10        |
| 4309 | Combined Analysis of ChIP Sequencing and Gene Expression Dataset in Breast Cancer. <i>Pathology and Oncology Research</i> , 2017, 23, 361-368.  | 1.9 | 14        |
| 4310 | CCAR2 Is Required for Proliferation and Tumor Maintenance in Human Squamous Cell Carcinoma. <i>Journal of Investigative Dermatology</i> , 2017, 137, 506-512.                                       | 0.7 | 17        |
| 4311 | Downregulation of lysosomal and further gene expression characterization in lung cancer patients with bone metastasis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 758-764. | 2.8 | 5         |
| 4312 | Differentially expressed mitochondrial genes in breast cancer cells: Potential new targets for anti-cancer therapies. <i>Gene</i> , 2017, 596, 45-52.   | 2.2 | 18        |
| 4313 | Rare deleterious mutations are associated with disease in bipolar disorder families. <i>Molecular Psychiatry</i> , 2017, 22, 1009-1014.   | 7.9 | 28        |
| 4314 | Cardiomyogenesis of periodontal ligament-derived stem cells by dynamic tensile strain. <i>Cell and Tissue Research</i> , 2017, 367, 229-241.  | 2.9 | 20        |
| 4315 | Carcinogenic effects of oil dispersants: A KEGG pathway-based RNA-seq study of human airway epithelial cells. <i>Gene</i> , 2017, 602, 16-23.   | 2.2 | 11        |
| 4316 | Aberrant DNA methylation in lymphocytes of children with neurodevelopmental disorders. <i>Russian Journal of Genetics</i> , 2017, 53, 1243-1258.  | 0.6 | 1         |
| 4317 | Biomarkers identification for acute myocardial infarction detection via weighted gene co-expression network analysis. <i>Medicine (United States)</i> , 2017, 96, e8375.                            | 1.0 | 32        |
| 4318 | A next generation sequencing based approach to identify extracellular vesicle mediated mRNA transfers between cells. <i>BMC Genomics</i> , 2017, 18, 987.   | 2.8 | 19        |
| 4319 | Identification of key miRNA-gene pairs in chronic lymphocytic leukemia through integrated analysis of mRNA and miRNA microarray. <i>Oncology Letters</i> , 2017, 15, 361-367.                       | 1.8 | 9         |
| 4320 | Gene expression profiles and protein-protein interaction networks during tongue carcinogenesis in the tumor microenvironment. <i>Molecular Medicine Reports</i> , 2017, 17, 165-171.                | 2.4 | 8         |
| 4321 | A novel correlation between ATP5A1 gene expression and progression of human clear cell renal cell carcinoma identified by co-expression analysis. <i>Oncology Reports</i> , 2018, 39, 525-536.      | 2.6 | 20        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4322 | Twenty-four signature genes predict the prognosis of oral squamous cell carcinoma with high accuracy and repeatability. <i>Molecular Medicine Reports</i> , 2018, 17, 2982-2990.  | 2.4  | 12        |
| 4323 | Nup98 recruits the Wdr82-Set1A/COMPASS complex to promoters to regulate H3K4 trimethylation in hematopoietic progenitor cells. <i>Genes and Development</i> , 2017, 31, 2222-2234.  | 5.9  | 68        |
| 4324 | Cysteine-rich angiogenic inducer 61 (Cyr61): a novel soluble biomarker of acute myocardial injury improves risk stratification after acute coronary syndromes. <i>European Heart Journal</i> , 2017, 38, 3493-3502.             | 2.2  | 46        |
| 4325 | SIRT7-dependent deacetylation of CDK9 activates RNA polymerase II transcription. <i>Nucleic Acids Research</i> , 2017, 45, 2675-2686.   | 14.5 | 49        |
| 4326 | ciaR impacts biofilm formation by regulating an arginine biosynthesis pathway in <i>Streptococcus sanguinis</i> SK36. <i>Scientific Reports</i> , 2017, 7, 17183.   | 3.3  | 47        |
| 4327 | Impact of hormonal modulation at proestrus on ovarian responses and uterine gene expression of suckled anestrous beef cows. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 79.                                   | 5.3  | 13        |
| 4328 | Comparative transcriptomics of 5 high-altitude vertebrates and their low-altitude relatives. <i>GigaScience</i> , 2017, 6, 1-9.   | 6.4  | 50        |
| 4329 | Bioinformatics identification of dysregulated microRNAs in triple negative breast cancer based on microRNA expression profiling. <i>Oncology Letters</i> , 2018, 15, 3017-3023.   | 1.8  | 9         |
| 4330 | Functional enrichment of human protein complexes in malaria parasites. , 2017, , .  |      | 0         |
| 4331 | Identification of common key genes in breast, lung and prostate cancer and exploration of their heterogeneous expression. <i>Oncology Letters</i> , 2017, 15, 1680-1690.  | 1.8  | 7         |
| 4332 | Bioinformatical analysis of gene expression signatures of different glioma subtypes. <i>Oncology Letters</i> , 2017, 15, 2807-2814.   | 1.8  | 7         |
| 4333 | Immunoglobulin superfamily genes are novel prognostic biomarkers for breast cancer. <i>Oncotarget</i> , 2017, 8, 2444-2456.   | 1.8  | 7         |
| 4334 | Transcriptomic pathway analysis of urokinase receptor silenced breast cancer cells: a microarray study. <i>Oncotarget</i> , 2017, 8, 101572-101590.   | 1.8  | 13        |
| 4335 | Interaction of Epstein-Barr virus genes with human gastric carcinoma transcriptome. <i>Oncotarget</i> , 2017, 8, 38399-38412.   | 1.8  | 11        |
| 4336 | Silencing of <i>HJURP</i> induces dysregulation of cell cycle and ROS metabolism in bladder cancer cells via PPAR $\gamma$ -SIRT1 feedback loop. <i>Journal of Cancer</i> , 2017, 8, 2282-2295.                                 | 2.5  | 35        |
| 4337 | A Microarray Study of Carpet-Shell Clam ( <i>Ruditapes decussatus</i> ) Shows Common and Organ-Specific Growth-Related Gene Expression Differences in Gills and Digestive Gland. <i>Frontiers in Physiology</i> , 2017, 8, 943. | 2.8  | 8         |
| 4338 | Co-expression Network Approach Reveals Functional Similarities among Diseases Affecting Human Skeletal Muscle. <i>Frontiers in Physiology</i> , 2017, 8, 980.   | 2.8  | 19        |
| 4339 | Associations between gene expression profiles of invasive breast cancer and Breast Imaging Reporting and Data System MRI lexicon. <i>Annals of Surgical Treatment and Research</i> , 2017, 93, 18.                              | 1.0  | 7         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 4340 | Interspecies NASH disease activity whole-genome profiling identifies a fibrogenic role of PPARG-regulated dermatopontin. JCI Insight, 2017, 2, .   | 5.0 | 96        |
| 4341 | Canonical and non-canonical JAK/STAT transcriptional targets may be involved in distinct and overlapping cellular processes. BMC Genomics, 2017, 18, 718.  | 2.8 | 11        |
| 4342 | Exploration of the molecular mechanism of prostate cancer based on mRNA and miRNA expression profiles. OncoTargets and Therapy, 2017, Volume 10, 3225-3232.  | 2.0 | 11        |
| 4343 | Induced Pluripotent Stem Cells: Advances in the Quest for Genetic Stability during Reprogramming Process. International Journal of Molecular Sciences, 2017, 18, 1952.                                   | 4.1 | 45        |
| 4344 | In-Cardiome: integrated knowledgebase for coronary artery disease enabling translational research. Database: the Journal of Biological Databases and Curation, 2017, 2017, .                             | 3.0 | 3         |
| 4345 | Nuclear Compartmentalization Contributes to Stage-Specific Gene Expression Control in Trypanosoma cruzi. Frontiers in Cell and Developmental Biology, 2017, 5, 8.  | 3.7 | 32        |
| 4346 | Circular RNA expression profiles and features in human tissues: a study using RNA-seq data. BMC Genomics, 2017, 18, 680.   | 2.8 | 193       |
| 4347 | Saliva as a Blood Alternative for Genome-Wide DNA Methylation Profiling by Methylated DNA Immunoprecipitation (MeDIP) Sequencing. Epigenomes, 2017, 1, 14.   | 1.8 | 8         |
| 4348 | The Stearoyl-CoA Desaturase-1 (Desat1) in Drosophila cooperated with Myc to Induce Autophagy and Growth, a Potential New Link to Tumor Survival. Genes, 2017, 8, 131.                                    | 2.4 | 9         |
| 4349 | Low-Grade Dysplastic Nodules Revealed as the Tipping Point during Multistep Hepatocarcinogenesis by Dynamic Network Biomarkers. Genes, 2017, 8, 268.   | 2.4 | 10        |
| 4350 | The Emerging Role of Zfp217 in Adipogenesis. International Journal of Molecular Sciences, 2017, 18, 1367.  | 4.1 | 17        |
| 4351 | Systems Biology: Methods and Applications. , 2017, , 434-480.  |     | 0         |
| 4352 | Genome-Wide Association Study of Piglet Uniformity and Farrowing Interval. Frontiers in Genetics, 2017, 8, 194.  | 2.3 | 37        |
| 4353 | Human and Epstein-Barr Virus miRNA Profiling as Predictive Biomarkers for Endemic Burkitt Lymphoma. Frontiers in Microbiology, 2017, 8, 501.   | 3.5 | 19        |
| 4354 | Comparative Genomics of Glossina palpalis gambiensis and G. morsitans morsitans to Reveal Gene Orthologs Involved in Infection by Trypanosoma brucei gambiense. Frontiers in Microbiology, 2017, 8, 540. | 3.5 | 6         |
| 4355 | Quantitative Analysis of Cellular Proteome Alterations in CDV-Infected Mink Lung Epithelial Cells. Frontiers in Microbiology, 2017, 8, 2564.   | 3.5 | 1         |
| 4356 | PI3K and Inhibitor of Apoptosis Proteins Modulate Gentamicin- Induced Hair Cell Death in the Zebrafish Lateral Line. Frontiers in Cellular Neuroscience, 2017, 11, 326.                                  | 3.7 | 20        |
| 4357 | Combinatorial Ranking of Gene Sets to Predict Disease Relapse: The Retinoic Acid Pathway in Early Prostate Cancer. Frontiers in Oncology, 2017, 7, 30.   | 2.8 | 5         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 4358 | Antidepressant Mechanism Research of Acupuncture: Insights from a Genome-Wide Transcriptome Analysis of Frontal Cortex in Rats with Chronic Restraint Stress. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-13.                      | 1.2 | 24        |
| 4359 | Circular RNA Profiling and Bioinformatic Modeling Identify Its Regulatory Role in Hepatic Steatosis. BioMed Research International, 2017, 2017, 1-13.   | 1.9 | 50        |
| 4360 | Screening of Tumor Suppressor Genes in Metastatic Colorectal Cancer. BioMed Research International, 2017, 2017, 1-7.  | 1.9 | 11        |
| 4361 | Effects of Radix Astragali and Its Split Components on Gene Expression Profiles Related to Water Metabolism in Rats with the Dampness Stagnancy due to Spleen Deficiency Syndrome. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-10. | 1.2 | 16        |
| 4362 | Global transcriptome-wide analysis of the function of GDDR in acute gastric lesions. Molecular Medicine Reports, 2017, 16, 8673-8684.   | 2.4 | 3         |
| 4363 | Knockdown of <i>SIRT1</i> Suppresses Bladder Cancer Cell Proliferation and Migration and Induces Cell Cycle Arrest and Antioxidant Response through FOXO3a-Mediated Pathways. BioMed Research International, 2017, 2017, 1-14.                              | 1.9 | 38        |
| 4364 | Diagnostic MicroRNA Biomarker Discovery for Non-Small-Cell Lung Cancer Adenocarcinoma by Integrative Bioinformatics Analysis. BioMed Research International, 2017, 2017, 1-9.   | 1.9 | 28        |
| 4365 | An Integrative Developmental Genomics and Systems Biology Approach to Identify an In Vivo Sox Trio-Mediated Gene Regulatory Network in Murine Embryos. BioMed Research International, 2017, 2017, 1-16.   | 1.9 | 11        |
| 4366 | Biomarker MicroRNAs for Diagnosis of Oral Squamous Cell Carcinoma Identified Based on Gene Expression Data and MicroRNA-mRNA Network Analysis. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-8.   | 1.3 | 16        |
| 4367 | The Identification of Key Genes and Pathways in Glioma by Bioinformatics Analysis. Journal of Immunology Research, 2017, 2017, 1-9.   | 2.2 | 39        |
| 4368 | A New Network-Based Strategy for Predicting the Potential miRNA-mRNA Interactions in Tumorigenesis. International Journal of Genomics, 2017, 2017, 1-11.  | 1.6 | 5         |
| 4369 | Fish Oil Feeding Modulates the Expression of Hepatic MicroRNAs in a Western-Style Diet-Induced Nonalcoholic Fatty Liver Disease Rat Model. BioMed Research International, 2017, 2017, 1-11.   | 1.9 | 16        |
| 4370 | Effects of genistein supplementation on genome-wide DNA methylation and gene expression in patients with localized prostate cancer. International Journal of Oncology, 2017, 51, 223-234.   | 3.3 | 61        |
| 4371 | Identification of Key Transcription Factors Associated with Lung Squamous Cell Carcinoma. Medical Science Monitor, 2017, 23, 172-206.   | 1.1 | 25        |
| 4372 | Identification of lncRNAs involved in biological regulation in early age-related macular degeneration. International Journal of Nanomedicine, 2017, Volume 12, 7589-7602.   | 6.7 | 30        |
| 4373 | Clinical Value and Prospective Pathway Signaling of MicroRNA-375 in Lung Adenocarcinoma: A Study Based on the Cancer Genome Atlas (TCGA), Gene Expression Omnibus (GEO) and Bioinformatics Analysis. Medical Science Monitor, 2017, 23, 2453-2464.          | 1.1 | 40        |
| 4374 | Glycosylation-related gene expression in HT29-MTX-E12 cells upon infection by Helicobacter pylori. World Journal of Gastroenterology, 2017, 23, 6817-6832.  | 3.3 | 16        |
| 4375 | Positioning of Tacrolimus for the Treatment of Diabetic Nephropathy Based on Computational Network Analysis. PLoS ONE, 2017, 12, e0169518.  | 2.5 | 6         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 4376 | Ancestry as a potential modifier of gene expression in breast tumors from Colombian women. PLoS ONE, 2017, 12, e0183179.   | 2.5 | 18        |
| 4377 | MicroRNA-223 and microRNA-21 in peripheral blood B cells associated with progression of primary biliary cholangitis patients. PLoS ONE, 2017, 12, e0184292.  | 2.5 | 16        |
| 4378 | Large-scale cross-species chemogenomic platform proposes a new drug discovery strategy of veterinary drug from herbal medicines. PLoS ONE, 2017, 12, e0184880.   | 2.5 | 7         |
| 4379 | Transcriptome analysis of genes involved in defense against alkaline stress in roots of wild jujube ( <i>Ziziphus acidujuba</i> ). PLoS ONE, 2017, 12, e0185732.   | 2.5 | 29        |
| 4380 | Network analysis based on TCGA reveals hub genes in colon cancer. Wspolczesna Onkologia, 2017, 2, 136-144.   | 1.4 | 11        |
| 4381 | Novel linear motif filtering protocol reveals the role of the LC8 dynein light chain in the Hippo pathway. PLoS Computational Biology, 2017, 13, e1005885.   | 3.2 | 20        |
| 4382 | Evidence of high-altitude adaptation in the glyptosternoid fish, <i>Creteuchiloglanis macropterus</i> from the Nujiang River obtained through transcriptome analysis. BMC Evolutionary Biology, 2017, 17, 229. | 3.2 | 33        |
| 4383 | First gene-ontology enrichment analysis based on bacterial coregenome variants: insights into adaptations of <i>Salmonella</i> serovars to mammalian- and avian-hosts. BMC Microbiology, 2017, 17, 222.        | 3.3 | 41        |
| 4384 | Integrative microRNA and mRNA deep-sequencing expression profiling in endemic Burkitt lymphoma. BMC Cancer, 2017, 17, 761.   | 2.6 | 22        |
| 4385 | In vitro characterization of CD133lo cancer stem cells in Retinoblastoma Y79 cell line. BMC Cancer, 2017, 17, 779.   | 2.6 | 20        |
| 4386 | Aberrantly methylated-differentially expressed genes and pathways in colorectal cancer. Cancer Cell International, 2017, 17, 75.   | 4.1 | 65        |
| 4387 | MHC class II expression and potential antigen-presenting cells in the retina during experimental autoimmune uveitis. Journal of Neuroinflammation, 2017, 14, 136.  | 7.2 | 46        |
| 4388 | A network pharmacology-based strategy deciphers the underlying molecular mechanisms of Qixuehe Capsule in the treatment of menstrual disorders. Chinese Medicine, 2017, 12, 23.                                | 4.0 | 36        |
| 4389 | OCDD: an obesity and co-morbid disease database. BioData Mining, 2017, 10, 33.   | 4.0 | 10        |
| 4390 | Serum microRNA array analysis identifies miR-140-3p, miR-33b-3p and miR-671-3p as potential osteoarthritis biomarkers involved in metabolic processes. Clinical Epigenetics, 2017, 9, 127.                     | 4.1 | 114       |
| 4391 | Deciphering Gene Sets Annotations with Ontology Based Visualization. , 2017, , .   |     | 1         |
| 4392 | Maternal chromium restriction induces insulin resistance in adult mice offspring through miRNA. International Journal of Molecular Medicine, 2018, 41, 1547-1559.  | 4.0 | 15        |
| 4393 | DEXseq and Cuffdiff approaches weighing differential spliced genes exons modulation in estrogen receptor (Er) breast cancer cells. African Journal of Biotechnology, 2017, 16, 1404-1427.                      | 0.6 | 0         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4394 | Long non-coding RNA associated-competing endogenous RNAs are induced by clusterin in retinal pigment epithelial cells. <i>Molecular Medicine Reports</i> , 2017, 16, 8399-8405.  | 2.4  | 10        |
| 4395 | Identification of the anticancer effects of a novel proteasome inhibitor, ixazomib, on colorectal cancer using a combined method of microarray and bioinformatics analysis. <i>OncoTargets and Therapy</i> , 2017, Volume 10, 3591-3606. | 2.0  | 13        |
| 4396 | The genomic architecture of mastitis resistance in dairy sheep. <i>BMC Genomics</i> , 2017, 18, 624.   | 2.8  | 59        |
| 4397 | Identification of microRNAs in acute respiratory distress syndrome based on microRNA expression profile in rats. <i>Molecular Medicine Reports</i> , 2017, 16, 3357-3362.  | 2.4  | 7         |
| 4398 | Promiscuous DNA-binding of a mutant zinc finger protein corrupts the transcriptome and diminishes cell viability. <i>Nucleic Acids Research</i> , 2017, 45, 1130-1143.   | 14.5 | 33        |
| 4399 | <i>Actinidia chinensis</i> Planch root extract inhibits cholesterol metabolism in hepatocellular carcinoma through upregulation of PCSK9. <i>Oncotarget</i> , 2017, 8, 42136-42148.  | 1.8  | 25        |
| 4400 | CpG methylation patterns are associated with gene expression variation in osteosarcoma. <i>Molecular Medicine Reports</i> , 2017, 16, 901-907.   | 2.4  | 12        |
| 4401 | Screening of FOXD3 targets in lung cancer via bioinformatics analysis. <i>Oncology Letters</i> , 2017, 15, 3214-3220.  | 1.8  | 0         |
| 4402 | Characterization of Cytosine Methylation and the DNA Methyltransferases of <i>Toxoplasma gondii</i> . <i>International Journal of Biological Sciences</i> , 2017, 13, 458-470.   | 6.4  | 13        |
| 4403 | Identification of Key Genes Affecting Results of Hyperthermia in Osteosarcoma Based on Integrative ChIP-Seq/TargetScan Analysis. <i>Medical Science Monitor</i> , 2017, 23, 2042-2048.   | 1.1  | 47        |
| 4404 | Identification of key mRNAs and microRNAs in the pathogenesis and progression of osteoarthritis using microarray analysis. <i>Molecular Medicine Reports</i> , 2017, 16, 5659-5666.  | 2.4  | 6         |
| 4405 | A 16-gene signature predicting prognosis of patients with oral tongue squamous cell carcinoma. <i>PeerJ</i> , 2017, 5, e4062.  | 2.0  | 23        |
| 4406 | The effects of DLEU1 gene expression in Burkitt lymphoma (BL): potential mechanism of chemoimmunotherapy resistance in BL. <i>Oncotarget</i> , 2017, 8, 27839-27853.   | 1.8  | 31        |
| 4407 | Identification of Key Genes and Pathways in Tongue Squamous Cell Carcinoma Using Bioinformatics Analysis. <i>Medical Science Monitor</i> , 2017, 23, 5924-5932.  | 1.1  | 40        |
| 4408 | Nucleosome Positioning of Intronless Genes in the Human Genome. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 1111-1121.  | 3.0  | 3         |
| 4409 | Circulating miRNA Profiles Associated With Hyperglycemia in Patients With Type 1 Diabetes. <i>Diabetes</i> , 2018, 67, 1013-1023.  | 0.6  | 73        |
| 4410 | STAT3 is required for proliferation and exhibits a cell type-specific binding preference in mouse female germline stem cells. <i>Molecular Omics</i> , 2018, 14, 95-102.   | 2.8  | 9         |
| 4411 | Overexpression of PIK3CA in head and neck squamous cell carcinoma is associated with poor outcome and activation of the YAP pathway. <i>Oral Oncology</i> , 2018, 79, 55-63.   | 1.5  | 54        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4412 | Genomic signatures reveal selection of characteristics within and between Meishan pig populations. <i>Animal Genetics</i> , 2018, 49, 119-126.   | 1.7  | 19        |
| 4413 | Cell-type-specific brain methylomes profiled via ultralow-input microfluidics. <i>Nature Biomedical Engineering</i> , 2018, 2, 183-194.  | 22.5 | 29        |
| 4414 | Hyperglycemia drives intestinal barrier dysfunction and risk for enteric infection. <i>Science</i> , 2018, 359, 1376-1383.   | 12.6 | 582       |
| 4415 | Identification of Three Rheumatoid Arthritis Disease Subtypes by Machine Learning Integration of Synovial Histologic Features and $\text{scRNA-seq}$ Sequencing Data. <i>Arthritis and Rheumatology</i> , 2018, 70, 690-701. | 5.6  | 157       |
| 4416 | Thermopriming triggers splicing memory in Arabidopsis. <i>Journal of Experimental Botany</i> , 2018, 69, 2659-2675.  | 4.8  | 119       |
| 4417 | Extracellular vesicle $\text{scRNA-seq}$ s reflect placenta dysfunction and are a biomarker source for preterm labour. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 2760-2773.                              | 3.6  | 62        |
| 4418 | Identification of key genes of papillary thyroid cancer using integrated bioinformatics analysis. <i>Journal of Endocrinological Investigation</i> , 2018, 41, 1237-1245.  | 3.3  | 31        |
| 4419 | The Histone Variant MacroH2A Blocks Cellular Reprogramming by Inhibiting Mesenchymal-to-Epithelial Transition. <i>Molecular and Cellular Biology</i> , 2018, 38, .   | 2.3  | 13        |
| 4420 | Comparative proteomic analyses of human adipose extracellular matrices decellularized using alternative procedures. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2481-2493.                         | 4.0  | 37        |
| 4421 | Evaluation of Animal Models by Comparison with Human Late-Onset Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2018, 55, 9234-9250.  | 4.0  | 19        |
| 4422 | Rationalizing Drug Response in Cancer Cell Lines. <i>Journal of Molecular Biology</i> , 2018, 430, 3016-3027.  | 4.2  | 9         |
| 4423 | Sex steroids drive the remodeling of oviductal extracellular matrix in cattle. <i>Biology of Reproduction</i> , 2018, 99, 590-599.   | 2.7  | 8         |
| 4424 | Identification of Prognostic Biomarkers by Combined mRNA and miRNA Expression Microarray Analysis in Pancreatic Cancer. <i>Translational Oncology</i> , 2018, 11, 700-714.   | 3.7  | 40        |
| 4425 | Dengue virus causes changes of MicroRNA-genes regulatory network revealing potential targets for antiviral drugs. <i>BMC Systems Biology</i> , 2018, 12, 2.  | 3.0  | 17        |
| 4426 | Identification of genes and pathways associated with MDR in MCF-7/MDR breast cancer cells by RNA-seq analysis. <i>Molecular Medicine Reports</i> , 2018, 17, 6211-6226.  | 2.4  | 27        |
| 4427 | Calorie restriction is the most reasonable anti-ageing intervention: a meta-analysis of survival curves. <i>Scientific Reports</i> , 2018, 8, 5779.  | 3.3  | 75        |
| 4428 | Identification of Novel Response and Predictive Biomarkers to Hsp90 Inhibitors Through Proteomic Profiling of Patient-derived Prostate Tumor Explants. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1470-1486.       | 3.8  | 26        |
| 4429 | Gastric cancer biomarkers; A systems biology approach. <i>Biochemistry and Biophysics Reports</i> , 2018, 13, 141-146.   | 1.3  | 20        |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4430 | Widespread modulation of gene expression by copy number variation in skeletal muscle. <i>Scientific Reports</i> , 2018, 8, 1399.   | 3.3  | 25        |
| 4431 | RNA-seq transcriptomic analysis of adult zebrafish inner ear hair cells. <i>Scientific Data</i> , 2018, 5, 180005.   | 5.3  | 51        |
| 4432 | Chemical proteomic profiling of protein<sup>N</sup>-homocysteinylation with a thioester probe. <i>Chemical Science</i> , 2018, 9, 2826-2830.   | 7.4  | 23        |
| 4433 | Liraglutide protects cardiac function in diabetic rats through the PPAR $\alpha$ pathway. <i>Bioscience Reports</i> , 2018, 38, .  | 2.4  | 19        |
| 4434 | Immune-Related Transcriptional Responses to Parasitic Infection in a Naturally Inbred Fish: Roles of Genotype and Individual Variation. <i>Genome Biology and Evolution</i> , 2018, 10, 319-327.   | 2.5  | 10        |
| 4435 | Identifying potential quality markers of Xin-Su-Ning capsules acting on arrhythmia by integrating UHPLC-LTQ-Orbitrap, ADME prediction and network target analysis. <i>Phytomedicine</i> , 2018, 44, 117-128.   | 5.3  | 39        |
| 4436 | The Mechanisms of Bushen-Yizhi Formula as a Therapeutic Agent against Alzheimer's Disease. <i>Scientific Reports</i> , 2018, 8, 3104.  | 3.3  | 46        |
| 4437 | Interaction of DCF1 with ATP1B1 induces impairment in astrocyte structural plasticity via the P38 signaling pathway. <i>Experimental Neurology</i> , 2018, 302, 214-229.   | 4.1  | 3         |
| 4438 | Rbfox Splicing Factors Promote Neuronal Maturation and Axon Initial Segment Assembly. <i>Neuron</i> , 2018, 97, 853-868.e6.  | 8.1  | 90        |
| 4439 | Cell death mechanisms of the anti-cancer drug etoposide on human cardiomyocytes isolated from pluripotent stem cells. <i>Archives of Toxicology</i> , 2018, 92, 1507-1524.   | 4.2  | 51        |
| 4440 | Hepatic transcriptional profiling response to fava bean-induced oxidative stress in glucose-6-phosphate dehydrogenase-deficient mice. <i>Gene</i> , 2018, 652, 66-77.  | 2.2  | 2         |
| 4441 | Revealing the action mechanisms of dexamethasone on the birth weight of infant using RNA-sequencing data of trophoblast cells. <i>Medicine (United States)</i> , 2018, 97, e9653.  | 1.0  | 2         |
| 4442 | Plant Response to Metal-Containing Engineered Nanomaterials: An Omics-Based Perspective. <i>Environmental Science &amp; Technology</i> , 2018, 52, 2451-2467.  | 10.0 | 106       |
| 4443 | Comprehensive circRNA expression profile and construction of circRNA-associated ceRNA network in fur skin. <i>Experimental Dermatology</i> , 2018, 27, 251-257.  | 2.9  | 45        |
| 4444 | Prenatal Exposure to Bisphenol A Disrupts Naturally Occurring Bimodal DNA Methylation at Proximal Promoter of fggy, an Obesity-Relevant Gene Encoding a Carbohydrate Kinase, in Gonadal White Adipose Tissues of CD-1 Mice. <i>Endocrinology</i> , 2018, 159, 779-794. | 2.8  | 29        |
| 4445 | RNentropy: an entropy-based tool for the detection of significant variation of gene expression across multiple RNA-Seq experiments. <i>Nucleic Acids Research</i> , 2018, 46, e46-e46.   | 14.5 | 30        |
| 4446 | Learning-dependent chromatin remodeling highlights noncoding regulatory regions linked to autism. <i>Science Signaling</i> , 2018, 11, .   | 3.6  | 25        |
| 4447 | Gene and MicroRNA Perturbations of Cellular Response to Pemetrexed Implicate Biological Networks and Enable Imputation of Response in Lung Adenocarcinoma. <i>Scientific Reports</i> , 2018, 8, 733.   | 3.3  | 12        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4448 | BMI1 regulates androgen receptor in prostate cancer independently of the polycomb repressive complex 1. <i>Nature Communications</i> , 2018, 9, 500.                                      | 12.8 | 65        |
| 4449 | Alpha-1-antitrypsin: a novel predictor for long-term recovery of chronic disorder of consciousness. <i>Expert Review of Molecular Diagnostics</i> , 2018, 18, 307-313.                    | 3.1  | 4         |
| 4450 | Identifying Novel Signaling Pathways: An Exercise Scientists Guide to Phosphoproteomics. <i>Exercise and Sport Sciences Reviews</i> , 2018, 46, 76-85.                                    | 3.0  | 5         |
| 4451 | T lymphocytes facilitate brain metastasis of breast cancer by inducing Guanylate-Binding Protein 1 expression. <i>Acta Neuropathologica</i> , 2018, 135, 581-599.                         | 7.7  | 63        |
| 4452 | Differential gene expression in trigeminal ganglia of male and female rats following chronic constriction of the infraorbital nerve. <i>European Journal of Pain</i> , 2018, 22, 875-888. | 2.8  | 25        |
| 4453 | Population-based doseâ€‘response analysis of liver transcriptional response to trichloroethylene in mouse. <i>Mammalian Genome</i> , 2018, 29, 168-181.                                   | 2.2  | 13        |
| 4454 | A genomic map of clinal variation across the European rabbit hybrid zone. <i>Molecular Ecology</i> , 2018, 27, 1457-1478.   | 3.9  | 30        |
| 4455 | Identification of differential proteinâ€‘coding gene expressions in early phase lung adenocarcinoma. <i>Thoracic Cancer</i> , 2018, 9, 234-240.   | 1.9  | 4         |
| 4456 | Systems pharmacology dissection of the anti-stroke mechanism for the Chinese traditional medicine Xing-Nao-Jing. <i>Journal of Pharmacological Sciences</i> , 2018, 136, 16-25.           | 2.5  | 17        |
| 4457 | Hyperglycemia Alters Expression of Cerebral Metabolic Genes after Cardiac Arrest. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 1200-1211.                            | 1.6  | 0         |
| 4458 | Proteomics and Metabolomics for AKI Diagnosis. <i>Seminars in Nephrology</i> , 2018, 38, 63-87.   | 1.6  | 59        |
| 4459 | Body composition, serum lipid levels, and transcriptomic characterization in the adipose tissue of male pigs in response to sex hormone deficiency. <i>Gene</i> , 2018, 646, 74-82.       | 2.2  | 7         |
| 4460 | Integrated sequencing of exome and mRNA of large-sized single cells. <i>Scientific Reports</i> , 2018, 8, 384.  | 3.3  | 12        |
| 4461 | Boolean network modeling in systems pharmacology. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2018, 45, 159-180.  | 1.8  | 60        |
| 4462 | Transcriptome signature identifies distinct cervical pathways induced in lipopolysaccharide-mediated preterm birthâ€‘â€‘. <i>Biology of Reproduction</i> , 2018, 98, 408-421.             | 2.7  | 30        |
| 4463 | Augmentation of Myc-Dependent Mitotic Gene Expression by the Pygopus2 Chromatin Effector. <i>Cell Reports</i> , 2018, 23, 1516-1529.  | 6.4  | 7         |
| 4464 | Metabolic systems analysis of LPS induced endothelial dysfunction applied to sepsis patient stratification. <i>Scientific Reports</i> , 2018, 8, 6811.                                    | 3.3  | 29        |
| 4465 | Histone H4 acetylation regulates behavioral inter-individual variability in zebrafish. <i>Genome Biology</i> , 2018, 19, 55.  | 8.8  | 25        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4466 | Independent prognostic genes and mechanism investigation for colon cancer. <i>Biological Research</i> , 2018, 51, 10.  | 3.4  | 25        |
| 4467 | Identification of novel drug targets for diamond-blackfan anemia based on RPS19 gene mutation using protein-protein interaction network. <i>BMC Systems Biology</i> , 2018, 12, 39.  | 3.0  | 15        |
| 4468 | Involvement of dysregulated coding and long non-coding RNAs in the pathogenesis of strabismus. <i>Molecular Medicine Reports</i> , 2018, 17, 7737-7745.  | 2.4  | 3         |
| 4469 | Blastocyst-like structures generated solely from stem cells. <i>Nature</i> , 2018, 557, 106-111.   | 27.8 | 366       |
| 4470 | Chromatin analysis in human early development reveals epigenetic transition during ZGA. <i>Nature</i> , 2018, 557, 256-260.  | 27.8 | 241       |
| 4471 | Galactic Cosmic Radiation Induces Persistent Epigenome Alterations Relevant to Human Lung Cancer. <i>Scientific Reports</i> , 2018, 8, 6709.   | 3.3  | 26        |
| 4472 | Saquinone controls hepatic cholesterol homeostasis by the negative regulation of PCSK9 transcriptional network. <i>Scientific Reports</i> , 2018, 8, 6737.   | 3.3  | 26        |
| 4473 | Prognostic significance of microsatellite instability-associated pathways and genes in gastric cancer. <i>International Journal of Molecular Medicine</i> , 2018, 42, 149-160.   | 4.0  | 13        |
| 4474 | Bayesian nonparametric discovery of isoforms and individual specific quantification. <i>Nature Communications</i> , 2018, 9, 1681.   | 12.8 | 8         |
| 4475 | Presence of aggregates of smooth endoplasmic reticulum in MII oocytes affects oocyte competence: molecular-based evidence. <i>Molecular Human Reproduction</i> , 2018, 24, 310-317.  | 2.8  | 18        |
| 4476 | A New Database for Drug Discovery Through Application of Data-Integration and Semantics. , 2018, , .   |      | 1         |
| 4477 | Credentialing Individual Samples for Proteogenomic Analysis. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1515-1530.   | 3.8  | 5         |
| 4478 | Gene expression profiles and pathway enrichment analysis of human osteosarcoma cells exposed to sorafenib. <i>FEBS Open Bio</i> , 2018, 8, 860-867.  | 2.3  | 11        |
| 4479 | Genome-wide DNA methylation profiling in infants born to gestational diabetes mellitus. <i>Diabetes Research and Clinical Practice</i> , 2018, 142, 10-18.   | 2.8  | 47        |
| 4480 | Identification of candidate genes for necrotizing enterocolitis based on microarray data. <i>Gene</i> , 2018, 661, 152-159.  | 2.2  | 11        |
| 4481 | iSeq: Web-Based RNA-seq Data Analysis and Visualization. <i>Methods in Molecular Biology</i> , 2018, 1754, 167-181.  | 0.9  | 13        |
| 4482 | Leukemia cell-derived microvesicles induce T cell exhaustion via miRNA delivery. <i>Oncolmmunology</i> , 2018, 7, e1448330.  | 4.6  | 24        |
| 4483 | Impaired Mitochondrial Energetics Characterize Poor Early Recovery of Muscle Mass Following Hind Limb Unloading in Old Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 1313-1322. | 3.6  | 37        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 4484 | Circulating LncRNAs Analysis in Patients with Type 2 Diabetes Reveals Novel Genes Influencing Glucose Metabolism and Islet $\beta$ -Cell Function. <i>Cellular Physiology and Biochemistry</i> , 2018, 46, 335-350.   | 1.6 | 80        |
| 4485 | Prognostic value of alcohol dehydrogenase mRNA expression in gastric cancer. <i>Oncology Letters</i> , 2018, 15, 5505-5516.   | 1.8 | 11        |
| 4486 | Identification of key differentially expressed genes associated with non-small cell lung cancer by bioinformatics analyses. <i>Molecular Medicine Reports</i> , 2018, 17, 6379-6386.  | 2.4 | 22        |
| 4487 | Neural Invasion Spreads Macrophage-Related Allodynia via Neural Root in Pancreatic Cancer. <i>Anesthesia and Analgesia</i> , 2018, 126, 1729-1738.  | 2.2 | 11        |
| 4488 | Bach2 Promotes B Cell Receptor-Induced Proliferation of B Lymphocytes and Represses Cyclin-Dependent Kinase Inhibitors. <i>Journal of Immunology</i> , 2018, 200, 2882-2893.  | 0.8 | 31        |
| 4489 | A standardized fold change method for microarray differential expression analysis used to reveal genes involved in acute rejection in murine allograft models. <i>FEBS Open Bio</i> , 2018, 8, 481-490.   | 2.3 | 2         |
| 4490 | Gene Expression Profiling of Advanced Penile Squamous Cell Carcinoma Receiving Cisplatin-based Chemotherapy Improves Prognostication and Identifies Potential Therapeutic Targets. <i>European Urology Focus</i> , 2018, 4, 733-736.                        | 3.1 | 18        |
| 4491 | A Review on Methods for Detecting SNP Interactions in High-Dimensional Genomic Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 599-612.  | 3.0 | 42        |
| 4492 | Genome-wide characterization of lncRNAs in acute myeloid leukemia. <i>Briefings in Bioinformatics</i> , 2018, 19, 627-635.  | 6.5 | 34        |
| 4493 | IGF2 mRNA binding protein 3 (IMP3) mediated regulation of transcriptome and translome in glioma cells. <i>Cancer Biology and Therapy</i> , 2018, 19, 42-52.   | 3.4 | 14        |
| 4494 | Genome-Wide DNA Methylation Patterns Analysis of Noncoding RNAs in Temporal Lobe Epilepsy Patients. <i>Molecular Neurobiology</i> , 2018, 55, 793-803.  | 4.0 | 36        |
| 4495 | The benefits (and misfortunes) of SDS in top-down proteomics. <i>Journal of Proteomics</i> , 2018, 175, 75-86.  | 2.4 | 25        |
| 4496 | Genomic Regions in Local Endangered Sheep Encode Potentially Favorable Genes. <i>Animal Biotechnology</i> , 2018, 29, 12-19.  | 1.5 | 1         |
| 4497 | Comparison of the general co-expression landscapes between human and mouse. <i>Briefings in Bioinformatics</i> , 2018, 19, 811-820.   | 6.5 | 3         |
| 4498 | Theoretical and Biological Evaluation of the Link between Low Exercise Capacity and Disease Risk. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a029868.  | 6.2 | 44        |
| 4499 | Genome-wide gene expression profiling of tongue squamous cell carcinoma by RNA-seq. <i>Clinical Oral Investigations</i> , 2018, 22, 209-216.  | 3.0 | 34        |
| 4500 | Exploring the molecular pathogenesis and biomarkers of high risk oral premalignant lesions on the basis of long noncoding RNA expression profiling by serial analysis of gene expression. <i>European Journal of Cancer Prevention</i> , 2018, 27, 370-378. | 1.3 | 16        |
| 4501 | The proto-oncogene tyrosine protein kinase Src is essential for macrophage-myofibroblast transition during renal scarring. <i>Kidney International</i> , 2018, 93, 173-187.   | 5.2 | 94        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4502 | SCPortalen: human and mouse single-cell centric database. <i>Nucleic Acids Research</i> , 2018, 46, D781-D787.   | 14.5 | 48        |
| 4503 | <i>Lactobacillus gasseri</i> attenuates allergic airway inflammation through PPAR $\gamma$ activation in dendritic cells. <i>Journal of Molecular Medicine</i> , 2018, 96, 39-51.  | 3.9  | 22        |
| 4504 | Weighted Gene Co-expression Network Analysis Identifies Gender Specific Modules and Hub Genes Related to Metabolism and Inflammation in Response to an Acute Lipid Challenge. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700388.                                    | 3.3  | 18        |
| 4505 | Transcriptome analysis using de novo RNA-seq to compare ginseng roots cultivated in different environments. <i>Plant Growth Regulation</i> , 2018, 84, 149-157.  | 3.4  | 6         |
| 4506 | Main active constituent identification in Guanxinjing capsule, a traditional Chinese medicine, for the treatment of coronary heart disease complicated with depression. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 975-987.   | 6.1  | 24        |
| 4507 | Genomic characterization of chromosome translocations in patients with T/myeloid mixed-phenotype acute leukemia. <i>Leukemia and Lymphoma</i> , 2018, 59, 1231-1238.   | 1.3  | 8         |
| 4508 | A Comparative Proteome Profile of Female Mouse Gonads Suggests a Tight Link between the Electron Transport Chain and Meiosis Initiation. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 31-42.   | 3.8  | 7         |
| 4509 | Discovery and Mechanistic Elucidation of a Class of Protein Disulfide Isomerase Inhibitors for the Treatment of Glioblastoma. <i>ChemMedChem</i> , 2018, 13, 164-177.  | 3.2  | 50        |
| 4510 | Transcriptome analysis reveals novel genes involved in anthocyanin biosynthesis in the flesh of peach. <i>Plant Physiology and Biochemistry</i> , 2018, 123, 94-102.   | 5.8  | 47        |
| 4511 | ZikaBase: An integrated ZIKV- Human Interactome Map database. <i>Virology</i> , 2018, 514, 203-210.  | 2.4  | 13        |
| 4512 | Shotgun label-free proteomic analysis for identification of proteins in HaCaT human skin keratinocytes regulated by the administration of collagen from soft-shelled turtle. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 2403-2413. | 3.4  | 2         |
| 4513 | Computational systems biology approaches for Parkinson's disease. <i>Cell and Tissue Research</i> , 2018, 373, 91-109.   | 2.9  | 19        |
| 4514 | Sperm RNA elements as markers of health. <i>Systems Biology in Reproductive Medicine</i> , 2018, 64, 25-38.  | 2.1  | 32        |
| 4515 | RNA-Sequencing of <i>Drosophila melanogaster</i> Head Tissue on High-Sugar and High-Fat Diets. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 279-290.   | 1.8  | 21        |
| 4516 | Comparative transcriptomic characterization of a new mib mutant allele, mib, in zebrafish. <i>Gene</i> , 2018, 642, 51-57.   | 2.2  | 0         |
| 4517 | The sbv IMPROVER Systems Toxicology computational challenge: Identification of human and species-independent blood response markers as predictors of smoking exposure and cessation status. <i>Computational Toxicology</i> , 2018, 5, 38-51.                                      | 3.3  | 13        |
| 4518 | Analysis of biological functional networks during sciatic nerve repair and regeneration. <i>Molecular and Cellular Biochemistry</i> , 2018, 439, 141-150.  | 3.1  | 2         |
| 4519 | SMART Cancer Navigator: A Framework for Implementing ASCO Workshop Recommendations to Enable Precision Cancer Medicine. <i>JCO Precision Oncology</i> , 2018, 2018, 1-14.  | 3.0  | 19        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 4520 | Thyroid follicular adenomas and carcinomas: molecular profiling provides evidence for a continuous evolution. <i>Oncotarget</i> , 2018, 9, 10343-10359.  | 1.8 | 29        |
| 4521 | A Proteomic Approach for Understanding the Mechanisms of Delayed Corneal Wound Healing in Diabetic Keratopathy Using Diabetic Model Rat. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3635.                          | 4.1 | 19        |
| 4522 | Abnormal DNA Methylation in Thoracic Spinal Cord Tissue Following Transection Injury. <i>Medical Science Monitor</i> , 2018, 24, 8878-8890.  | 1.1 | 10        |
| 4523 | Predicting Small Molecule Potency to Inhibit Estrogen Receptors using Machine Learning and Deep Learning Approaches. , 2018, , .   |     | 1         |
| 4524 | Coexpression modules constructed by weighted gene co-expression network analysis indicate ubiquitin-mediated proteolysis as a potential biomarker of uveal melanoma. <i>Experimental and Therapeutic Medicine</i> , 2019, 17, 237-243. | 1.8 | 4         |
| 4525 | The cellular economy of the <i>Saccharomyces cerevisiae</i> zinc proteome. <i>Metallomics</i> , 2018, 10, 1755-1776.   | 2.4 | 66        |
| 4526 | Collagen peptides from soft-shelled turtle induce calpain-1 expression and regulate inflammatory cytokine expression in HaCaT human skin keratinocytes. <i>International Journal of Molecular Medicine</i> , 2018, 42, 1168-1180.      | 4.0 | 1         |
| 4527 | A vascular endothelial growth factor receptor gene variant is associated with susceptibility to acute respiratory distress syndrome. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 16.  | 1.9 | 9         |
| 4528 | Comprehensive analysis of long noncoding RNA-associated competing endogenous RNA network in cholangiocarcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 1004-1012.                                     | 2.1 | 19        |
| 4529 | Integrated whole genome microarray analysis and immunohistochemical assay identifies COL11A1, GJB2 and CTRL as predictive biomarkers for pancreatic cancer. <i>Cancer Cell International</i> , 2018, 18, 174.                          | 4.1 | 28        |
| 4530 | ICGdb: An Integrative Cancer Genomic Database. , 2018, , .   |     | 0         |
| 4531 | Transcriptomic changes with increasing algal symbiont reveal the detailed process underlying establishment of coral-algal symbiosis. <i>Scientific Reports</i> , 2018, 8, 16802.   | 3.3 | 46        |
| 4532 | Identification of hub genes with diagnostic values in pancreatic cancer by bioinformatics analyses and supervised learning methods. <i>World Journal of Surgical Oncology</i> , 2018, 16, 223.   | 1.9 | 24        |
| 4533 | Ensemble learning for detecting gene-gene interactions in colorectal cancer. <i>PeerJ</i> , 2018, 6, e5854.  | 2.0 | 21        |
| 4534 | Diagnostic and prognostic values of the mRNA expression of excision repair cross-complementation enzymes in hepatitis B virus-related hepatocellular carcinoma. <i>Cancer Management and Research</i> , 2018, Volume 10, 5313-5328.    | 1.9 | 3         |
| 4535 | Deep proteome of human nNOS/NOS1-positive versus MOCK SH-SY5Y neuroblastoma cells under full nutrition, serum free starvation and rapamycin treatment. <i>Data in Brief</i> , 2018, 21, 1309-1314.                                     | 1.0 | 1         |
| 4536 | Prognostic Value of Excision Repair Cross-Complementing mRNA Expression in Gastric Cancer. <i>BioMed Research International</i> , 2018, 2018, 1-16.  | 1.9 | 6         |
| 4537 | Widespread Enhancer Dememorization and Promoter Priming during Parental-to-Zygotic Transition. <i>Molecular Cell</i> , 2018, 72, 673-686.e6.   | 9.7 | 57        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 4538 | Short-lived AUF1 p42-binding mRNAs of RANKL and BCL6 have two distinct instability elements each. PLoS ONE, 2018, 13, e0206823.  | 2.5 | 0         |
| 4539 | Extraction and biomolecular analysis of dermal interstitial fluid collected with hollow microneedles. Communications Biology, 2018, 1, 173.  | 4.4 | 148       |
| 4540 | Pancreatic-cancer-cell-derived trefoil factor 2 impairs maturation and migration of human monocyte-derived dendritic cells <i>in vitro</i> . Animal Cells and Systems, 2018, 22, 368-381.                                      | 2.2 | 10        |
| 4541 | Proteomics of Bronchoalveolar Lavage Fluid Reveals a Lung Oxidative Stress Response in Murine Herpesvirus-68 Infection. Viruses, 2018, 10, 670.  | 3.3 | 3         |
| 4542 | Identification of potential genes and pathways for response prediction of neoadjuvant chemoradiotherapy in patients with rectal cancer by systemic biological analysis. Oncology Letters, 2018, 17, 492-501.                   | 1.8 | 1         |
| 4543 | Pancreatic Cell Fate Determination Relies on Notch Ligand Trafficking by NFIA. Cell Reports, 2018, 25, 3811-3827.e7.   | 6.4 | 13        |
| 4544 | Integrating proteomic and phosphoproteomic data for pathway analysis in breast cancer. BMC Systems Biology, 2018, 12, 130.   | 3.0 | 7         |
| 4545 | Data set of differentially expressed microRNAs in sanguinarine-treated <i>Caenorhabditis elegans</i> and its F3 progeny. Data in Brief, 2018, 21, 899-906.   | 1.0 | 0         |
| 4546 | Mutant p63 Affects Epidermal Cell Identity through Rewiring the Enhancer Landscape. Cell Reports, 2018, 25, 3490-3503.e4.  | 6.4 | 41        |
| 4547 | Deciphering the evolutionary signatures of pinnipeds using novel genome sequences: The first genomes of <i>Phoca largha</i> , <i>Callorhinus ursinus</i> , and <i>Eumetopias jubatus</i> . Scientific Reports, 2018, 8, 16877. | 3.3 | 7         |
| 4548 | Analysis of dynamic molecular networks for pancreatic ductal adenocarcinoma progression. Cancer Cell International, 2018, 18, 214.   | 4.1 | 37        |
| 4549 | Cardiac function evaluation for a novel one-step detoxification product of <i>Aconiti Lateralis Radix Praeparata</i> . Chinese Medicine, 2018, 13, 62.   | 4.0 | 12        |
| 4550 | Proteomic Analysis of Zn Depletion/Repletion in the Hormone-Secreting Thyroid Follicular Cell Line FRTL-5. Nutrients, 2018, 10, 1981.  | 4.1 | 3         |
| 4551 | Atypical GATA transcription factor TRPS1 represses gene expression by recruiting CHD4/NuRD(MTA2) and suppresses cell migration and invasion by repressing TP63 expression. Oncogenesis, 2018, 7, 96.                           | 4.9 | 27        |
| 4552 | Identifying mouse developmental essential genes using machine learning. DMM Disease Models and Mechanisms, 2018, 11, .   | 2.4 | 18        |
| 4553 | Prognostic value of sorting nexin 10 weak expression in stomach adenocarcinoma revealed by weighted gene co-expression network analysis. World Journal of Gastroenterology, 2018, 24, 4906-4919.                               | 3.3 | 17        |
| 4554 | Integrated analysis reveals key genes with prognostic value in lung adenocarcinoma. Cancer Management and Research, 2018, Volume 10, 6097-6108.  | 1.9 | 36        |
| 4555 | Dissecting the Genomic Architecture of Resistance to <i>Eimeria maxima</i> Parasitism in the Chicken. Frontiers in Genetics, 2018, 9, 528.   | 2.3 | 31        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4556 | Zygotic gene activation in the chicken occurs in two waves, the first involving only maternally derived genes. <i>ELife</i> , 2018, 7, .   | 6.0  | 20        |
| 4557 | Identification of Deregulated Signaling Pathways in Jurkat Cells in Response to a Novel Acylspermidine Analogue-N4-Erucoyl Spermidine. <i>Epigenetics Insights</i> , 2018, 11, 251686571881454.  | 2.0  | 12        |
| 4558 | Identification of drug repurposing candidates based on a miRNA-mediated drug and pathway network for cardiac hypertrophy and acute myocardial infarction. <i>Human Genomics</i> , 2018, 12, 52.  | 2.9  | 6         |
| 4559 | The Genomic Architecture of Fowl Typhoid Resistance in Commercial Layers. <i>Frontiers in Genetics</i> , 2018, 9, 519.   | 2.3  | 17        |
| 4560 | Identifying SNPs and candidate genes for three litter traits using single-step GWAS across six parities in Landrace and Large White pigs. <i>Physiological Genomics</i> , 2018, 50, 1026-1035.   | 2.3  | 12        |
| 4561 | Characterization and metabolic synthetic lethal testing in a new model of SDH-loss familial pheochromocytoma and paraganglioma. <i>Oncotarget</i> , 2018, 9, 6109-6127.  | 1.8  | 13        |
| 4562 | Diagnostic Issues in Treating Brain Tumors. , 2018, , 151-159.   |      | 0         |
| 4563 | Fenretinide targeting of human colon cancer sphere cells through cell cycle regulation and stressâ€responsive activities. <i>Oncology Letters</i> , 2018, 16, 5339-5348.   | 1.8  | 3         |
| 4564 | Bioinformatics analyses of significant genes, related pathways and candidate prognostic biomarkers in glioblastoma. <i>Molecular Medicine Reports</i> , 2018, 18, 4185-4196.   | 2.4  | 39        |
| 4565 | Which is the Most Reasonable Anti-aging Strategy: Meta-analysis. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1086, 267-282.   | 1.6  | 14        |
| 4566 | Multi-omics integrative analysis with genome-scale metabolic model simulation reveals global cellular adaptation of <i>Aspergillus niger</i> under industrial enzyme production condition. <i>Scientific Reports</i> , 2018, 8, 14404. | 3.3  | 36        |
| 4567 | Silencing of TGFÎ² signalling in microglia results in impaired homeostasis. <i>Nature Communications</i> , 2018, 9, 4011.  | 12.8 | 125       |
| 4568 | Effects of Chronic Spinal Cord Injury on Relationships among Ion Channel and Receptor mRNAs in Mouse Lumbar Spinal Cord. <i>Neuroscience</i> , 2018, 393, 42-60.   | 2.3  | 13        |
| 4569 | Identification of key genes and long nonâ€coding RNAs in celecoxibâ€treated lung squamous cell carcinoma cell line by RNAâ€sequencing. <i>Molecular Medicine Reports</i> , 2018, 17, 6456-6464.  | 2.4  | 6         |
| 4570 | Regulatory sRNAs in Cyanobacteria. <i>Frontiers in Microbiology</i> , 2018, 9, 2399.   | 3.5  | 10        |
| 4571 | Transcriptome Profile in Unilateral Adrenalectomy-Induced Compensatory Adrenal Growth in the Rat. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1111.   | 4.1  | 16        |
| 4572 | De novo Mutations (DNMs) in Autism Spectrum Disorder (ASD): Pathway and Network Analysis. <i>Frontiers in Genetics</i> , 2018, 9, 406.   | 2.3  | 40        |
| 4573 | Gene expression differences between thyroid carcinoma, thyroid adenoma and normal thyroid tissue. <i>Oncology Reports</i> , 2018, 40, 3359-3369.   | 2.6  | 24        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4574 | Aberrant splicing in B-cell acute lymphoblastic leukemia. <i>Nucleic Acids Research</i> , 2018, 46, 11357-11369.   | 14.5 | 39        |
| 4575 | Effect of high-fat diet feeding and associated transcriptome changes in the peak lactation mammary gland in C57BL/6 dams. <i>Physiological Genomics</i> , 2018, 50, 1059-1070.   | 2.3  | 13        |
| 4576 | Effects of propofol and etomidate anesthesia on cardiovascular miRNA expression: the different profiles?. <i>BMC Anesthesiology</i> , 2018, 18, 149.   | 1.8  | 5         |
| 4577 | Characterization of kinase gene expression and splicing profile in prostate cancer with RNA-Seq data. <i>BMC Genomics</i> , 2018, 19, 564.   | 2.8  | 6         |
| 4578 | Identification of protein complexes associated with myocardial infarction using a bioinformatics approach. <i>Molecular Medicine Reports</i> , 2018, 18, 3569-3576.  | 2.4  | 1         |
| 4579 | miRNA array analysis of plasma miRNA alterations in rats exposed to a high altitude hypoxic environment. <i>Molecular Medicine Reports</i> , 2018, 18, 5502-5510.  | 2.4  | 4         |
| 4580 | MicroRNA-132 directs human periodontal ligament-derived neural crest stem cell neural differentiation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 12-24.                                       | 2.7  | 13        |
| 4581 | Overexpression of Chicken IRF7 Increased Viral Replication and Programmed Cell Death to the Avian Influenza Virus Infection Through TGF-Beta/FoxO Signaling Axis in DF-1. <i>Frontiers in Genetics</i> , 2018, 9, 415.         | 2.3  | 9         |
| 4582 | Analysis of serum microRNA expression in male workers with occupational noise-induced hearing loss. <i>Brazilian Journal of Medical and Biological Research</i> , 2018, 51, e6426.   | 1.5  | 14        |
| 4583 | Maternal Melatonin Therapy Attenuates Methyl-Donor Diet-Induced Programmed Hypertension in Male Adult Rat Offspring. <i>Nutrients</i> , 2018, 10, 1407.  | 4.1  | 31        |
| 4584 | Exploring Pharmacological Mechanisms of Xuefu Zhuyu Decoction in the Treatment of Traumatic Brain Injury via a Network Pharmacology Approach. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-20. | 1.2  | 24        |
| 4585 | Network pharmacology-based strategy to investigate pharmacological mechanisms of Zuojinwan for treatment of gastritis. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 292.                                      | 3.7  | 101       |
| 4586 | Identification of COL1A1 as an invasion-related gene in malignant astrocytoma. <i>International Journal of Oncology</i> , 2018, 53, 2542-2554.   | 3.3  | 31        |
| 4587 | Anticancer activity of biogenerated silver nanoparticles: an integrated proteomic investigation. <i>Oncotarget</i> , 2018, 9, 9685-9705.   | 1.8  | 147       |
| 4588 | Targeting histone methyltransferase G9a inhibits growth and Wnt signaling pathway by epigenetically regulating HP1 $\alpha$ and APC2 gene expression in non-small cell lung cancer. <i>Molecular Cancer</i> , 2018, 17, 153.   | 19.2 | 59        |
| 4589 | Screening of genes associated with inflammatory responses in the endolymphatic sac reveals underlying mechanisms for autoimmune inner ear diseases. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 2460-2470.        | 1.8  | 10        |
| 4590 | Andrographolide Sulfonate Attenuates Acute Lung Injury by Reducing Expression of Myeloperoxidase and Neutrophil-Derived Proteases in Mice. <i>Frontiers in Physiology</i> , 2018, 9, 939.                                      | 2.8  | 24        |
| 4591 | Impaired Notch Signaling Leads to a Decrease in p53 Activity and Mitotic Catastrophe in Aged Muscle Stem Cells. <i>Cell Stem Cell</i> , 2018, 23, 544-556.e4.  | 11.1 | 107       |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4592 | Transcriptional response of honey bee ( <i>Apis mellifera</i> ) to differential nutritional status and <i>Nosema</i> infection. <i>BMC Genomics</i> , 2018, 19, 628.   | 2.8  | 31        |
| 4593 | Computational Approaches to Understand the Genome and Protein Sequences of Fungi. , 2018, , 635-649.   |      | 0         |
| 4594 | Urinary proteomics reveals association between pediatric nephrolithiasis and cardiovascular disease. <i>International Urology and Nephrology</i> , 2018, 50, 1949-1954.  | 1.4  | 12        |
| 4595 | Global Long Noncoding RNA and mRNA Expression Changes between Prenatal and Neonatal Lung Tissue in Pigs. <i>Genes</i> , 2018, 9, 443.  | 2.4  | 21        |
| 4596 | Transcriptome sequencing reveals key potential long non-coding RNAs related to duration of fertility trait in the uterovaginal junction of egg-laying hens. <i>Scientific Reports</i> , 2018, 8, 13185.            | 3.3  | 12        |
| 4597 | Hepatitis C virus core impacts expression of miR122 and miR204 involved in carcinogenic progression via regulation of TGFBRAP1 and HOTTIP expression. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 1173-1182. | 2.0  | 10        |
| 4598 | Tetraspanin family identified as the central genes detected in gastric cancer using bioinformatics analysis. <i>Molecular Medicine Reports</i> , 2018, 18, 3599-3610.  | 2.4  | 12        |
| 4599 | Identification of six key miRNAs associated with breast cancer through screening large-scale microarray data. <i>Oncology Letters</i> , 2018, 16, 4159-4168.   | 1.8  | 7         |
| 4600 | Unravelling subclonal heterogeneity and aggressive disease states in TNBC through single-cell RNA-seq. <i>Nature Communications</i> , 2018, 9, 3588.   | 12.8 | 342       |
| 4601 | TAM 2.0: tool for MicroRNA set analysis. <i>Nucleic Acids Research</i> , 2018, 46, W180-W185.  | 14.5 | 141       |
| 4602 | Integrated analysis of a competing endogenous RNA network reveals key lncRNAs as potential prognostic biomarkers for human bladder cancer. <i>Medicine (United States)</i> , 2018, 97, e11887.                     | 1.0  | 39        |
| 4603 | Potential role of LINC00996 in colorectal cancer: a study based on data mining and bioinformatics. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 4845-4855.  | 2.0  | 37        |
| 4604 | Correcting the Mean-Variance Dependency for Differential Variability Testing Using Single-Cell RNA Sequencing Data. <i>Cell Systems</i> , 2018, 7, 284-294.e12.  | 6.2  | 71        |
| 4605 | Circular RNAs hsa_circ_0032462, hsa_circ_0028173, hsa_circ_0005909 are predicted to promote CADM1 expression by functioning as miRNAs sponge in human osteosarcoma. <i>PLoS ONE</i> , 2018, 13, e0202896.          | 2.5  | 33        |
| 4606 | ATG5 overexpression is neuroprotective and attenuates cytoskeletal and vesicle-trafficking alterations in axotomized motoneurons. <i>Cell Death and Disease</i> , 2018, 9, 626.                                    | 6.3  | 15        |
| 4607 | KDM5B decommissions the H3K4 methylation landscape of self-renewal genes during trophoblast stem cell differentiation. <i>Biology Open</i> , 2018, 7, .  | 1.2  | 20        |
| 4608 | Combined bioinformatics analysis reveals gene expression and DNA methylation patterns in osteoarthritis. <i>Molecular Medicine Reports</i> , 2018, 17, 8069-8078.  | 2.4  | 10        |
| 4609 | Nomogram Integrating Genomics with Clinicopathologic Features Improves Prognosis Prediction for Colorectal Cancer. <i>Molecular Cancer Research</i> , 2018, 16, 1373-1384.   | 3.4  | 17        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 4610 | Screening of prognostic risk microRNAs for acute myeloid leukemia. <i>Hematology</i> , 2018, 23, 747-755.   | 1.5 | 8         |
| 4611 | Material basis research for Huangqi Jianzhong Tang against chronic atrophic gastritis rats through integration of urinary metabonomics and SystemsDock. <i>Journal of Ethnopharmacology</i> , 2018, 223, 1-9.   | 4.1 | 21        |
| 4612 | A map of the PGC-1 $\alpha$ - and NT-PGC-1 $\alpha$ -regulated transcriptional network in brown adipose tissue. <i>Scientific Reports</i> , 2018, 8, 7876.  | 3.3 | 29        |
| 4613 | Genome-wide DNA methylation profiling in a rat model with vascular dementia. <i>Molecular Medicine Reports</i> , 2018, 18, 123-130.   | 2.4 | 3         |
| 4614 | Identification of potential pathogenic biomarkers in clear cell renal cell carcinoma. <i>Oncology Letters</i> , 2018, 15, 8491-8499.  | 1.8 | 8         |
| 4615 | Identification of key genes in rheumatoid arthritis and osteoarthritis based on bioinformatics analysis. <i>Medicine (United States)</i> , 2018, 97, e10997.  | 1.0 | 27        |
| 4616 | Mitochondrial-related consequences of heat stress exposure during bovine oocyte maturation persist in early embryo development. <i>Journal of Reproduction and Development</i> , 2018, 64, 243-251.   | 1.4 | 28        |
| 4617 | The novel 19q13 KRAB zinc-finger tumour suppressor ZNF382 is frequently methylated in oesophageal squamous cell carcinoma and antagonises Wnt/ $\beta$ -catenin signalling. <i>Cell Death and Disease</i> , 2018, 9, 573.                                     | 6.3 | 26        |
| 4618 | Poly(ADP-ribosyl)ation associated changes in CTCF-chromatin binding and gene expression in breast cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 718-730.   | 1.9 | 17        |
| 4619 | Differential Co-expression and Regulatory Network Analysis Uncover the Relapse Factor and Mechanism of T Cell Acute Leukemia. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 184-194.   | 5.1 | 20        |
| 4620 | Identification of a noncoding RNA-mediated gene pair-based regulatory module in Alzheimer's disease. <i>Molecular Medicine Reports</i> , 2018, 18, 2164-2170.   | 2.4 | 1         |
| 4621 | Synergistic co-regulation and competition by a SOX9-GLI-FOXA phasic transcriptional network coordinate chondrocyte differentiation transitions. <i>PLoS Genetics</i> , 2018, 14, e1007346.  | 3.5 | 56        |
| 4622 | Systems Pharmacology Dissection of Traditional Chinese Medicine Wen-Dan Decoction for Treatment of Cardiovascular Diseases. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-14.  | 1.2 | 9         |
| 4623 | An association between differential expression and genetic divergence in the Patagonian olive mouse ( <i>Abrothrix olivacea</i> ). <i>Molecular Ecology</i> , 2018, 27, 3274-3286.  | 3.9 | 28        |
| 4624 | The Potential Protective Effect of Curcumin on Amyloid- $\beta$ -42 Induced Cytotoxicity in HT-22 Cells. <i>BioMed Research International</i> , 2018, 2018, 1-8.  | 1.9 | 18        |
| 4625 | A diet defined by its content of bovine milk exosomes and their RNA cargos has moderate effects on gene expression, amino acid profiles and grip strength in skeletal muscle in C57BL/6 mice. <i>Journal of Nutritional Biochemistry</i> , 2018, 59, 123-128. | 4.2 | 47        |
| 4626 | Identification of the extracellular matrix protein Fibulin-2 as a regulator of spinal nerve organization. <i>Developmental Biology</i> , 2018, 442, 101-114.  | 2.0 | 21        |
| 4627 | Systemic bioinformatics analysis of skeletal muscle gene expression profiles of sepsis. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 4637-4642.   | 1.8 | 1         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4628 | Placental H3K27me3 establishes female resilience to prenatal insults. <i>Nature Communications</i> , 2018, 9, 2555.  | 12.8 | 110       |
| 4629 | Machine learning models to predict the progression from early to late stages of papillary renal cell carcinoma. <i>Computers in Biology and Medicine</i> , 2018, 100, 92-99.                           | 7.0  | 31        |
| 4630 | A Possible Mechanism: Vildagliptin Prevents Aortic Dysfunction through Paraionase and Angiotensin-Like 3. <i>BioMed Research International</i> , 2018, 2018, 1-14.                                     | 1.9  | 3         |
| 4631 | Biochemical characterization of human tissue kallikrein 15 and examination of its potential role in cancer. <i>Clinical Biochemistry</i> , 2018, 58, 108-115.  | 1.9  | 7         |
| 4632 | The Next Generation Sequencing (NGS) of Asthma Genetics. <i>Translational Bioinformatics</i> , 2018, , 11-30.  | 0.0  | 0         |
| 4633 | 4-HPR Is an Endoplasmic Reticulum Stress Aggravator and Sensitizes Breast Cancer Cells Resistant to TRAIL/Apo2L. <i>Anticancer Research</i> , 2018, 38, 4403-4416.                                     | 1.1  | 6         |
| 4634 | Comparative transcriptomics reveals specific responding genes associated with atherosclerosis in rabbit and mouse models. <i>PLoS ONE</i> , 2018, 13, e0201618.  | 2.5  | 3         |
| 4635 | Screening therapeutic targets of ribavirin in hepatocellular carcinoma. <i>Oncology Letters</i> , 2018, 15, 9625-9632.   | 1.8  | 9         |
| 4636 | Expression and network analysis of YBX1 interactors for identification of new drug targets in lung adenocarcinoma. <i>Journal of Genomics</i> , 2018, 6, 103-112.                                      | 0.9  | 10        |
| 4637 | Transcriptome alteration in <i>Phytophthora infestans</i> in response to phenazine-1-carboxylic acid production by <i>Pseudomonas fluorescens</i> strain LBUM223. <i>BMC Genomics</i> , 2018, 19, 474. | 2.8  | 21        |
| 4638 | Candidate genes and microRNAs for glioma pathogenesis and prognosis based on gene expression profiles. <i>Molecular Medicine Reports</i> , 2018, 18, 2715-2723.  | 2.4  | 5         |
| 4639 | Iron metabolism gene expression and prognostic features of hepatocellular carcinoma. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 9178-9204.   | 2.6  | 48        |
| 4640 | Alpha-linolenic acid and linoleic acid differentially regulate the skeletal muscle secretome of obese Zucker rats. <i>Physiological Genomics</i> , 2018, 50, 580-589.                                  | 2.3  | 8         |
| 4641 | Exploring the Mechanism of Dangguiluhuang Decoction Against Hepatic Fibrosis by Network Pharmacology and Experimental Validation. <i>Frontiers in Pharmacology</i> , 2018, 9, 187.                     | 3.5  | 33        |
| 4642 | GSHR, a Web-Based Platform Provides Gene Set-Level Analyses of Hormone Responses in Arabidopsis. <i>Frontiers in Plant Science</i> , 2018, 9, 23.  | 3.6  | 2         |
| 4643 | Genome-Wide Identification and Characterization of Long Non-Coding RNA in Wheat Roots in Response to Ca <sup>2+</sup> Channel Blocker. <i>Frontiers in Plant Science</i> , 2018, 9, 244.               | 3.6  | 36        |
| 4644 | Long non-coding RNAs RP5-821D11.7, APCDD1L-AS1 and RP11-277P12.9 were associated with the prognosis of lung squamous cell carcinoma. <i>Molecular Medicine Reports</i> , 2018, 17, 7238-7248.          | 2.4  | 16        |
| 4645 | Deoxynivalenol- and zearalenone-contaminated feeds alter gene expression profiles in the livers of piglets. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 595-606.                  | 2.4  | 22        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4646 | Association Analysis between Body Mass Index and Genomic DNA Methylation across 15 Major Cancer Types. <i>Journal of Cancer</i> , 2018, 9, 2532-2542.   | 2.5  | 10        |
| 4647 | Distinct Diagnostic and Prognostic Values of Minichromosome Maintenance Gene Expression in Patients with Hepatocellular Carcinoma. <i>Journal of Cancer</i> , 2018, 9, 2357-2373.   | 2.5  | 59        |
| 4648 | Analysis of the complex interaction of CDR1asâ€miRNAâ€protein and detection of its novel role in melanoma. <i>Oncology Letters</i> , 2018, 16, 1219-1225.   | 1.8  | 12        |
| 4649 | Determination of system level alterations in host transcriptome due to Zika virus (ZIKV) Infection in retinal pigment epithelium. <i>Scientific Reports</i> , 2018, 8, 11209.   | 3.3  | 37        |
| 4650 | Elementary screening of lymph node metastatic-related genes in gastric cancer based on the co-expression network of messenger RNA, microRNA and long non-coding RNA. <i>Brazilian Journal of Medical and Biological Research</i> , 2018, 51, e6685. | 1.5  | 9         |
| 4651 | Messenger RNA Sequencing and Pathway Analysis Provide Novel Insights Into the Susceptibility to Salmonella enteritidis Infection in Chickens. <i>Frontiers in Genetics</i> , 2018, 9, 256.  | 2.3  | 20        |
| 4652 | Alternative splicing events implicated in carcinogenesis and prognosis of colorectal cancer. <i>Journal of Cancer</i> , 2018, 9, 1754-1764.   | 2.5  | 64        |
| 4653 | Comprehensive analysis of a long noncoding RNA-associated competing endogenous RNA network in colorectal cancer. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 2453-2466.   | 2.0  | 27        |
| 4654 | Atherosclerosis is exacerbated by chitinase-3-like-1 in amyloid precursor protein transgenic mice. <i>Theranostics</i> , 2018, 8, 749-766.  | 10.0 | 30        |
| 4655 | In vivo identification of Bmp2-correlation networks during fracture healing by means of a limb-specific conditional inactivation of Bmp2. <i>Bone</i> , 2018, 116, 103-110.   | 2.9  | 5         |
| 4656 | Analysis of diet-induced differential methylation, expression, and interactions of lncRNA and protein-coding genes in mouse liver. <i>Scientific Reports</i> , 2018, 8, 11537.  | 3.3  | 10        |
| 4657 | Cell type-specific analysis of transcriptome changes in the porcine endometrium on Day 12 of pregnancy. <i>BMC Genomics</i> , 2018, 19, 459.  | 2.8  | 38        |
| 4658 | Identification of key target genes and biological pathways in multiple sclerosis brains using microarray data obtained from the Gene Expression Omnibus database. <i>Neurological Research</i> , 2018, 40, 883-891.                                 | 1.3  | 10        |
| 4659 | A novel gene-expression-signature-based model for prediction of response to Tripterysium glycosides tablet for rheumatoid arthritis patients. <i>Journal of Translational Medicine</i> , 2018, 16, 187.   | 4.4  | 12        |
| 4660 | STAT6, PBX2, and PBRM1 Emerge as Predicted Regulators of 452 Differentially Expressed Genes Associated With Puberty in Brahman Heifers. <i>Frontiers in Genetics</i> , 2018, 9, 87.   | 2.3  | 34        |
| 4661 | Gene Expression Analysis Reveals Novel Shared Gene Signatures and Candidate Molecular Mechanisms between Pemphigus and Systemic Lupus Erythematosus in CD4+ T Cells. <i>Frontiers in Immunology</i> , 2017, 8, 1992.                                | 4.8  | 56        |
| 4662 | Integrative Analysis of Hippocampus Gene Expression Profiles Identifies Network Alterations in Aging and Alzheimerâ€™s Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 153.   | 3.4  | 58        |
| 4663 | Stable STIM1 Knockdown in Self-Renewing Human Neural Precursors Promotes Premature Neural Differentiation. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 178.  | 2.9  | 22        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 4664 | Key Genes and Pathways Associated With Inner Ear Malformation in SOX10 <sup>p.R109W</sup> Mutation Pigs. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 181.  | 2.9 | 20        |
| 4665 | Identification of <i>Schizosaccharomyces pombe</i> in the guts of healthy individuals and patients with colorectal cancer: preliminary evidence from a gut microbiome secretome study. <i>Gut Pathogens</i> , 2018, 10, 29. | 3.4 | 9         |
| 4666 | UXT is required for spermatogenesis in mice. <i>PLoS ONE</i> , 2018, 13, e0195747.  | 2.5 | 5         |
| 4667 | In silico approach in reveal traditional medicine plants pharmacological material basis. <i>Chinese Medicine</i> , 2018, 13, 33.  | 4.0 | 75        |
| 4668 | Bioinformatics analysis of novel transcription factors and related differentially regulated modules in non-union skeletal fractures. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2018, 31, 623-628.         | 1.1 | 1         |
| 4669 | Identification of key genes and pathways for esophageal squamous cell carcinoma by bioinformatics analysis. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 1121-1130.   | 1.8 | 9         |
| 4670 | The Coordinated Activities of nAChR and Wnt Signaling Regulate Intestinal Stem Cell Function in Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 738.   | 4.1 | 27        |
| 4671 | Hyaluronic Acid Influence on Normal and Osteoarthritic Tissue-Engineered Cartilage. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1519.  | 4.1 | 11        |
| 4672 | Identification of hub genes and potential molecular mechanisms in gastric cancer by integrated bioinformatics analysis. <i>PeerJ</i> , 2018, 6, e5180.  | 2.0 | 74        |
| 4673 | Comprehensive and integrative analysis identifies microRNA-106 as a novel non-invasive biomarker for detection of gastric cancer. <i>Journal of Translational Medicine</i> , 2018, 16, 127.                                 | 4.4 | 23        |
| 4674 | Identification of hub genes with prognostic values in gastric cancer by bioinformatics analysis. <i>World Journal of Surgical Oncology</i> , 2018, 16, 114.   | 1.9 | 59        |
| 4675 | Hub genes and key pathways of non-small lung cancer identified using bioinformatics. <i>Oncology Letters</i> , 2018, 16, 2344-2354.   | 1.8 | 22        |
| 4676 | Detecting the Population Structure and Scanning for Signatures of Selection in Horses ( <i>Equus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 117693431877510.  | 1.2 | 15        |
| 4677 | Plasma proteomic signature of age in healthy humans. <i>Aging Cell</i> , 2018, 17, e12799.  | 6.7 | 325       |
| 4678 | Identification of Biomarkers Associated With Pathological Stage and Prognosis of Clear Cell Renal Cell Carcinoma by Co-expression Network Analysis. <i>Frontiers in Physiology</i> , 2018, 9, 399.                          | 2.8 | 85        |
| 4679 | Identification of key genes and pathways in human clear cell renal cell carcinoma (ccRCC) by co-expression analysis. <i>International Journal of Biological Sciences</i> , 2018, 14, 266-279.                               | 6.4 | 60        |
| 4680 | Prognostic value of ubiquitin-conjugating enzyme E2 S overexpression in hepatocellular carcinoma. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 225-231.   | 7.5 | 18        |
| 4681 | An eight-miRNA signature expression-based risk scoring system for prediction of survival in pancreatic adenocarcinoma. <i>Cancer Biomarkers</i> , 2018, 23, 79-93.  | 1.7 | 14        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4682 | Effects of a wide range of dietary forage-to-concentrate ratios on nutrient utilization and hepatic transcriptional profiles in limit-fed Holstein heifers. BMC Genomics, 2018, 19, 148.                               | 2.8  | 19        |
| 4683 | Identification of four differentially methylated genes as prognostic signatures for stage I lung adenocarcinoma. Cancer Cell International, 2018, 18, 60.  | 4.1  | 15        |
| 4684 | Comparison of Hepatic NRF2 and Aryl Hydrocarbon Receptor Binding in 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin-Treated Mice Demonstrates NRF2-Independent PKM2 Induction. Molecular Pharmacology, 2018, 94, 876-884. | 2.3  | 23        |
| 4685 | Ouroboros resembling competitive endogenous loop (ORCEL) in circular RNAs revealed through transcriptome sequencing dataset analysis. BMC Genomics, 2018, 19, 171.   | 2.8  | 6         |
| 4686 | Optimized Dosing Schedule Based on Circadian Dynamics of Mouse Breast Cancer Stem Cells Improves the Antitumor Effects of Aldehyde Dehydrogenase Inhibitor. Cancer Research, 2018, 78, 3698-3708.                      | 0.9  | 46        |
| 4687 | Identification of key gene modules for human osteosarcoma by co-expression analysis. World Journal of Surgical Oncology, 2018, 16, 89.   | 1.9  | 21        |
| 4688 | Use of DAVID algorithms for clustering custom annotated gene lists in a non-model organism, rainbow trout. BMC Research Notes, 2018, 11, 63.   | 1.4  | 2         |
| 4689 | JAK/STAT3 regulated global gene expression dynamics during late-stage reprogramming process. BMC Genomics, 2018, 19, 183.  | 2.8  | 22        |
| 4690 | Interpretation of biological experiments changes with evolution of the Gene Ontology and its annotations. Scientific Reports, 2018, 8, 5115.   | 3.3  | 110       |
| 4691 | Identification of potential crucial genes and construction of microRNA-mRNA negative regulatory networks in osteosarcoma. Hereditas, 2018, 155, 21.  | 1.4  | 32        |
| 4692 | Riboflavin Depletion Promotes Tumorigenesis in HEK293T and NIH3T3 Cells by Sustaining Cell Proliferation and Regulating Cell Cycle-Related Gene Transcription. Journal of Nutrition, 2018, 148, 834-843.               | 2.9  | 13        |
| 4693 | Diverse reprogramming codes for neuronal identity. Nature, 2018, 557, 375-380.   | 27.8 | 94        |
| 4694 | Identification of target genes in cardiomyopathy with fibrosis and cardiac remodeling. Journal of Biomedical Science, 2018, 25, 63.  | 7.0  | 54        |
| 4695 | Identification of H4K20me3- and H3K4me3-associated RNAs using CARIP-Seq expands the transcriptional and epigenetic networks of embryonic stem cells. Journal of Biological Chemistry, 2018, 293, 15120-15135.          | 3.4  | 7         |
| 4696 | Analysis of differentially expressed genes among human hair follicle-derived iPSCs, induced hepatocyte-like cells, and primary hepatocytes. Stem Cell Research and Therapy, 2018, 9, 211.                              | 5.5  | 10        |
| 4697 | Sertoli cell-specific ablation of miR-17-92 cluster significantly alters whole testis transcriptome without apparent phenotypic effects. PLoS ONE, 2018, 13, e0197685.   | 2.5  | 11        |
| 4698 | Identification of potential prognostic microRNA biomarkers for predicting survival in patients with hepatocellular carcinoma. Cancer Management and Research, 2018, Volume 10, 787-803.                                | 1.9  | 48        |
| 4699 | Comprehensive analysis of gene expression profiles provides insight into the pathogenesis of Crohn's disease. Molecular Medicine Reports, 2018, 18, 2643-2650.   | 2.4  | 5         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4700 | Bioinformatics approach reveals the key role of Cxâ€C motif chemokine receptor 2 in endometriosis development. <i>Molecular Medicine Reports</i> , 2018, 18, 2841-2849.                                    | 2.4  | 6         |
| 4701 | Candidate gene and mechanism investigations in congenital obstructive nephropathy based on bioinformatics analysis. <i>Molecular Medicine Reports</i> , 2018, 18, 2651-2660.                               | 2.4  | 1         |
| 4702 | Epigenetic regulation of the circadian gene <i>Per1</i> contributes to age-related changes in hippocampal memory. <i>Nature Communications</i> , 2018, 9, 3323.  | 12.8 | 118       |
| 4703 | Integrative epigenomic analysis in differentiated human primary bronchial epithelial cells exposed to cigarette smoke. <i>Scientific Reports</i> , 2018, 8, 12750.   | 3.3  | 11        |
| 4704 | Mutant <i>KLF1</i> in Adult Anemic Nan Mice Leads to Profound Transcriptome Changes and Disordered Erythropoiesis. <i>Scientific Reports</i> , 2018, 8, 12793.   | 3.3  | 14        |
| 4705 | Analysis of the miRNA and mRNA involved in osteogenesis of adiposeâ€derived mesenchymal stem cells. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 1111-1120.                                    | 1.8  | 22        |
| 4706 | Identification of key genes and pathways using bioinformatics analysis in septic shock children. <i>Infection and Drug Resistance</i> , 2018, Volume 11, 1163-1174.  | 2.7  | 20        |
| 4707 | Co-expression Network Analysis of Biomarkers for Adrenocortical Carcinoma. <i>Frontiers in Genetics</i> , 2018, 9, 328.  | 2.3  | 52        |
| 4708 | Transcriptomic analysis reveals inflammatory and metabolic pathways that are regulated by renal perfusion pressure in the outer medulla of Dahl-S rats. <i>Physiological Genomics</i> , 2018, 50, 440-447. | 2.3  | 10        |
| 4709 | Splicing Factor <i>RBM20</i> Regulates Transcriptional Network of Titin Associated and Calcium Handling Genes in The Heart. <i>International Journal of Biological Sciences</i> , 2018, 14, 369-380.       | 6.4  | 27        |
| 4710 | Malignant canine mammary epithelial cells shed exosomes containing differentially expressed microRNA that regulate oncogenic networks. <i>BMC Cancer</i> , 2018, 18, 832.                                  | 2.6  | 37        |
| 4711 | A novel gene-diet pair modulates <i>C. elegans</i> aging. <i>PLoS Genetics</i> , 2018, 14, e1007608.   | 3.5  | 21        |
| 4712 | RAP2 mediates mechanoresponses of the Hippo pathway. <i>Nature</i> , 2018, 560, 655-660.   | 27.8 | 266       |
| 4713 | Comparative Secretome Analyses of Primary Murine White and Brown Adipocytes Reveal Novel Adipokines. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 2358-2370.                                       | 3.8  | 51        |
| 4714 | A gene interaction networkâ€based method to measure the common and heterogeneous mechanisms of gynecological cancer. <i>Molecular Medicine Reports</i> , 2018, 18, 230-242.                                | 2.4  | 13        |
| 4715 | Comprehending a Killer: The Akt/mTOR Signaling Pathways Are Temporally High-Jacked by the Highly Pathogenic 1918 Influenza Virus. <i>EBioMedicine</i> , 2018, 32, 142-163.                                 | 6.1  | 36        |
| 4716 | MCV-miR-M1 Targets the Host-Cell Immune Response Resulting in the Attenuation of Neutrophil Chemotaxis. <i>Journal of Investigative Dermatology</i> , 2018, 138, 2343-2354.                                | 0.7  | 22        |
| 4717 | Integrated analysis of long noncoding RNA and mRNA expression profile in children with obesity by microarray analysis. <i>Scientific Reports</i> , 2018, 8, 8750.  | 3.3  | 38        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 4718 | Deciphering the multicomponent synergy mechanism from a systems pharmacology perspective: Application to Gualou Xiebai Decoction for coronary heart disease. <i>Journal of Functional Foods</i> , 2018, 47, 143-155.  | 3.4 | 21        |
| 4719 | Exploration of the molecular mechanisms of cervical cancer based on mRNA expression profiles and predicted microRNA interactions. <i>Oncology Letters</i> , 2018, 15, 8965-8972.  | 1.8 | 13        |
| 4720 | FlyXCDBâ€”A Resource for Drosophila Cell Surface and Secreted Proteins and Their Extracellular Domains. <i>Journal of Molecular Biology</i> , 2018, 430, 3353-3411.   | 4.2 | 13        |
| 4721 | A genome scan for selection signatures in Taihu pig breeds using next-generation sequencing. <i>Animal</i> , 2019, 13, 683-693.   | 3.3 | 15        |
| 4722 | Analyzing Transcriptome-Phenotype Correlations. , 2019, , 819-824.  |     | 1         |
| 4723 | Functional Genomics. , 2019, , 118-133.   |     | 5         |
| 4724 | Bayesian Negative Binomial Mixture Regression Models for the Analysis of Sequence Count and Methylation Data. <i>Biometrics</i> , 2019, 75, 183-192.  | 1.4 | 10        |
| 4725 | Comprehensive analysis of the whole coding and non-coding RNA transcriptome expression profiles and construction of the circRNAâ€”lncRNA co-regulated ceRNA network in laryngeal squamous cell carcinoma. <i>Functional and Integrative Genomics</i> , 2019, 19, 109-121. | 3.5 | 46        |
| 4726 | The metastatic microenvironment: Melanomaâ€”microglia cross-talk promotes the malignant phenotype of melanoma cells. <i>International Journal of Cancer</i> , 2019, 144, 802-817.   | 5.1 | 34        |
| 4727 | Integral analyses of survivalâ€”related long nonâ€”coding RNA MIR210HG and its prognostic role in colon cancer. <i>Oncology Letters</i> , 2019, 18, 1107-1116.  | 1.8 | 18        |
| 4728 | Comparative Analysis of the Liver and Spleen Transcriptomes between Holstein and Yunnan Humped Cattle. <i>Animals</i> , 2019, 9, 527.   | 2.3 | 3         |
| 4729 | Transcriptome profiling of the liver among the prenatal and postnatal stages in chickens. <i>Poultry Science</i> , 2019, 98, 7030-7040.   | 3.4 | 24        |
| 4730 | Identification of potential core genes in Kawasaki disease using bioinformatics analysis. <i>Journal of International Medical Research</i> , 2019, 47, 4051-4058.   | 1.0 | 7         |
| 4731 | Maternal-to-zygotic transition as a potential target for niclosamide during early embryogenesis. <i>Toxicology and Applied Pharmacology</i> , 2019, 380, 114699.  | 2.8 | 14        |
| 4732 | The anti-inflammatory function of adenine occurs through AMPK activation and its downstream transcriptional regulation in THP-1 cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 2220-2229.   | 1.3 | 5         |
| 4733 | Mammalian Annotation Database for improved annotation and functional classification of Omics datasets from less well-annotated organisms. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .   | 3.0 | 13        |
| 4734 | The genomic landscape of estrogen receptor $\beta$ binding sites in mouse mammary gland. <i>PLoS ONE</i> , 2019, 14, e0220311.  | 2.5 | 25        |
| 4735 | Identification of Potential Biomarkers and Survival Analysis for Head and Neck Squamous Cell Carcinoma Using Bioinformatics Strategy: A Study Based on TCGA and GEO Datasets. <i>BioMed Research International</i> , 2019, 2019, 1-14.                                    | 1.9 | 44        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4736 | Application of the High-Throughput TAB-Array for the Discovery of Novel 5-Hydroxymethylcytosine Biomarkers in Pancreatic Ductal Adenocarcinoma. <i>Epigenomes</i> , 2019, 3, 16.                                     | 1.8  | 15        |
| 4737 | Clinical value of microRNA-198-5p downregulation in lung adenocarcinoma and its potential pathways. <i>Oncology Letters</i> , 2019, 18, 2939-2954.   | 1.8  | 12        |
| 4738 | An Insight Into the Molecular Mechanism of Berberine Towards Multiple Cancer Types Through Systems Pharmacology. <i>Frontiers in Pharmacology</i> , 2019, 10, 857.   | 3.5  | 34        |
| 4740 | Identification of Key Genes and Pathways in Pancreatic Cancer Gene Expression Profile by Integrative Analysis. <i>Genes</i> , 2019, 10, 612.   | 2.4  | 22        |
| 4741 | Computational Assessment of Bacterial Protein Structures Indicates a Selection Against Aggregation. <i>Cells</i> , 2019, 8, 856.   | 4.1  | 9         |
| 4742 | Differential network analysis and protein-protein interaction study reveals active protein modules in glucocorticoid resistance for infant acute lymphoblastic leukemia. <i>Molecular Medicine</i> , 2019, 25, 36.   | 4.4  | 7         |
| 4743 | Bioinformatic validation identifies candidate key genes in diffuse large-B cell lymphoma. <i>Personalized Medicine</i> , 2019, 16, 313-323.  | 1.5  | 7         |
| 4744 | Pancreatic cancer biomarker detection by two support vector strategies for recursive feature elimination. <i>Biomarkers in Medicine</i> , 2019, 13, 105-121.   | 1.4  | 16        |
| 4745 | Identifying miltefosine-resistant key genes in protein-protein interactions network and experimental verification in Iranian <i>Leishmania major</i> . <i>Molecular Biology Reports</i> , 2019, 46, 5371-5388.       | 2.3  | 4         |
| 4746 | RNA 5-Methylcytosine Facilitates the Maternal-to-Zygotic Transition by Preventing Maternal mRNA Decay. <i>Molecular Cell</i> , 2019, 75, 1188-1202.e11.  | 9.7  | 242       |
| 4747 | Bioinformatics analysis of a long non-coding RNA and mRNA regulation network in rats with middle cerebral artery occlusion based on RNA sequencing. <i>Molecular Medicine Reports</i> , 2019, 20, 417-432.           | 2.4  | 10        |
| 4748 | &lt;p&gt;Detection of a novel panel of somatic mutations in plasma cell-free DNA and its diagnostic value in hepatocellular carcinoma&lt;/p&gt;. <i>Cancer Management and Research</i> , 2019, Volume 11, 5745-5756. | 1.9  | 20        |
| 4749 | Identification of Key Genes and Pathways Involved in the Heterogeneity of Intrinsic Growth Ability Between Neurons After Spinal Cord Injury in Adult Zebrafish. <i>Neurochemical Research</i> , 2019, 44, 2057-2067. | 3.3  | 6         |
| 4750 | FunDMDeep-m6A: identification and prioritization of functional differential m6A methylation genes. <i>Bioinformatics</i> , 2019, 35, i90-i98.  | 4.1  | 34        |
| 4751 | Comprehensive analysis of a long non-coding RNA-mediated competitive endogenous RNA network in glioblastoma multiforme. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 1081-1090.                          | 1.8  | 16        |
| 4752 | Stress, novel sex genes, and epigenetic reprogramming orchestrate socially controlled sex change. <i>Science Advances</i> , 2019, 5, eaaw7006.   | 10.3 | 99        |
| 4753 | Identification of microRNA-92a and the related combination biomarkers as promising substrates in predicting risk, recurrence and poor survival of colorectal cancer. <i>Journal of Cancer</i> , 2019, 10, 3154-3171. | 2.5  | 16        |
| 4754 | An immune infiltration signature to predict the overall survival of patients with colon cancer. <i>IUBMB Life</i> , 2019, 71, 1760-1770.   | 3.4  | 67        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4755 | The Essential Oils and Eucalyptol From <i>Artemisia vulgaris</i> L. Prevent Acetaminophen-Induced Liver Injury by Activating Nrf2-Keap1 and Enhancing APAP Clearance Through Non-Toxic Metabolic Pathway. <i>Frontiers in Pharmacology</i> , 2019, 10, 782.                   | 3.5  | 64        |
| 4756 | Investigating the Proteomic Profile of HT-29 Colon Cancer Cells After <i>Lactobacillus kefir</i> SGL 13 Exposure Using the SWATH Method. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1690-1699.  | 2.8  | 13        |
| 4757 | Pleiotropic effects of rfa-gene mutations on <i>Escherichia coli</i> envelope properties. <i>Scientific Reports</i> , 2019, 9, 9696.  | 3.3  | 54        |
| 4758 | High-content screen in human pluripotent cells identifies miRNA-regulated pathways controlling pluripotency and differentiation. <i>Stem Cell Research and Therapy</i> , 2019, 10, 202.   | 5.5  | 11        |
| 4759 | Three Biomarkers Predict Gastric Cancer Patients' Susceptibility To Fluorouracil-based Chemotherapy. <i>Journal of Cancer</i> , 2019, 10, 2953-2960.  | 2.5  | 9         |
| 4760 | Wx: a neural network-based feature selection algorithm for transcriptomic data. <i>Scientific Reports</i> , 2019, 9, 10500.   | 3.3  | 12        |
| 4761 | Identification of gene co-expression modules and hub genes associated with lymph node metastasis of papillary thyroid cancer. <i>Endocrine</i> , 2019, 66, 573-584.   | 2.3  | 35        |
| 4762 | Transcriptome Analysis of Landrace Pig Subcutaneous Preadipocytes during Adipogenic Differentiation. <i>Genes</i> , 2019, 10, 552.  | 2.4  | 14        |
| 4763 | &lt;p&gt;Gene expression profiling reveals candidate biomarkers and probable molecular mechanism in diabetic peripheral neuropathy&lt;/p&gt;. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019, Volume 12, 1213-1223.                              | 2.4  | 13        |
| 4764 | Single-Cell RNA-Sequencing and Metabolomics Analyses Reveal the Contribution of Perivascular Adipose Tissue Stem Cells to Vascular Remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 2049-2066.   | 2.4  | 72        |
| 4765 | Variants at potential loci associated with Sjogren's syndrome in Koreans: A genetic association study. <i>Clinical Immunology</i> , 2019, 207, 79-86.   | 3.2  | 5         |
| 4766 | Redox-sensitive <sc>bZIP</sc>68 plays a role in balancing stress tolerance with growth in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2019, 100, 768-783.   | 5.7  | 21        |
| 4767 | A Study of the Association between Breastfeeding and DNA Methylation in Peripheral Blood Cells of Infants. <i>Russian Journal of Genetics</i> , 2019, 55, 749-755.  | 0.6  | 8         |
| 4768 | Patterns of Geographical and Potential Adaptive Divergence in the Genome of the Common Carp ( <i>Cyprinus carpio</i> ). <i>Frontiers in Genetics</i> , 2019, 10, 660.   | 2.3  | 12        |
| 4769 | <p>The prognostic value of LINC01296 in pan-cancers and the molecular regulatory mechanism in hepatocellular carcinoma: a comprehensive study based on data mining, bioinformatics, and in vitro validation</p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 5861-5885. | 2.0  | 4         |
| 4770 | Bioinformatics analysis of mRNA and miRNA microarray to identify the key miRNA-gene pairs in small-cell lung cancer. <i>Molecular Medicine Reports</i> , 2019, 20, 2199-2208.   | 2.4  | 20        |
| 4771 | SETD1A protects from senescence through regulation of the mitotic gene expression program. <i>Nature Communications</i> , 2019, 10, 2854.   | 12.8 | 37        |
| 4772 | FXR overexpression alters adipose tissue architecture in mice and limits its storage capacity leading to metabolic derangements. <i>Journal of Lipid Research</i> , 2019, 60, 1547-1561.  | 4.2  | 19        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4773 | Maternal and Post-weaning High-Fat Diets Produce Distinct DNA Methylation Patterns in Hepatic Metabolic Pathways within Specific Genomic Contexts. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3229.      | 4.1  | 10        |
| 4774 | Identifying miRNA-mRNA Pairs and Novel miRNAs from Hepatocellular Carcinoma miRNomes and TCGA Database. <i>Journal of Cancer</i> , 2019, 10, 2552-2559.  | 2.5  | 14        |
| 4775 | PPAR $\delta$ gene is a diagnostic and prognostic biomarker in clear cell renal cell carcinoma by integrated bioinformatics analysis. <i>Journal of Cancer</i> , 2019, 10, 2319-2331.  | 2.5  | 8         |
| 4776 | Considering smoking status, coexpression network analysis of non-small cell lung cancer at different cancer stages, exhibits important genes and pathways. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 19172-19185. | 2.6  | 5         |
| 4777 | Uncovering changes in proteomic signature of rat pelvic floor muscles in pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2019, 221, 130.e1-130.e9.   | 1.3  | 6         |
| 4778 | Lipid-Associated Macrophages Control Metabolic Homeostasis in a Trem2-Dependent Manner. <i>Cell</i> , 2019, 178, 686-698.e14.  | 28.9 | 718       |
| 4779 | Comprehensive Analysis of Core Genes and Potential Mechanisms in Rectal Cancer. <i>Journal of Computational Biology</i> , 2019, 26, 1262-1277.   | 1.6  | 15        |
| 4780 | Bioinformatics approach reveals the critical role of TGF- $\beta$ 2 signaling pathway in pre-eclampsia development. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2019, 240, 130-138.         | 1.1  | 13        |
| 4781 | Overexpression of miR-101 May Target DUSP1 to Promote the Cartilage Degradation in Rheumatoid Arthritis. <i>Journal of Computational Biology</i> , 2019, 26, 1067-1079.  | 1.6  | 4         |
| 4782 | Dissecting Alzheimer's Disease Molecular Substrates by Proteomics and Discovery of Novel Post-translational Modifications. <i>OMICS A Journal of Integrative Biology</i> , 2019, 23, 350-361.                                | 2.0  | 12        |
| 4783 | Mitochondrial 3243A>G mutation confers pro-atherogenic and pro-inflammatory properties in MELAS iPS derived endothelial cells. <i>Cell Death and Disease</i> , 2019, 10, 802.  | 6.3  | 23        |
| 4784 | The Autoimmune Protocol Diet Modifies Intestinal RNA Expression in Inflammatory Bowel Disease. <i>Crohn's &amp; Colitis</i> 360, 2019, 1, otz016.  | 1.1  | 3         |
| 4785 | Disruptive mutations in TANC2 define a neurodevelopmental syndrome associated with psychiatric disorders. <i>Nature Communications</i> , 2019, 10, 4679.   | 12.8 | 43        |
| 4786 | Proteomic and transcriptional profiling of rat amygdala following social play. <i>Behavioural Brain Research</i> , 2019, 376, 112210.  | 2.2  | 11        |
| 4787 | GWAS on Imputed Whole-Genome Resequencing From Genotyping-by-Sequencing Data for Farrowing Interval of Different Parities in Pigs. <i>Frontiers in Genetics</i> , 2019, 10, 1012.  | 2.3  | 20        |
| 4788 | HOXC10 promotes migration and invasion via the WNT-EMT signaling pathway in oral squamous cell carcinoma. <i>Journal of Cancer</i> , 2019, 10, 4540-4551.  | 2.5  | 23        |
| 4789 | Generation of human induced pluripotent stem cell-derived cardiomyocytes in 2D monolayer and scalable 3D suspension bioreactor cultures with reduced batch-to-batch variations. <i>Theranostics</i> , 2019, 9, 7222-7238.    | 10.0 | 52        |
| 4790 | Potential protein biomarkers for systemic lupus erythematosus determined by bioinformatics analysis. <i>Computational Biology and Chemistry</i> , 2019, 83, 107135.  | 2.3  | 14        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 4791 | Mutations in KIAA1109, CACNA1C, BSN, AKAP13, CELSR2, and HELZ2 Are Associated With the Prognosis in Endometrial Cancer. <i>Frontiers in Genetics</i> , 2019, 10, 909.  | 2.3 | 24        |
| 4792 | Analysis of Transcriptome, Selected Intracellular Signaling Pathways, Proliferation and Apoptosis of LNCaP Cells Exposed to High Leptin Concentrations. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5412. | 4.1 | 15        |
| 4793 | Characterization and Identification of Lysine Succinylation Sites based on Deep Learning Method. <i>Scientific Reports</i> , 2019, 9, 16175.   | 3.3 | 30        |
| 4794 | Comprehensive investigation of the clinical significance and molecular mechanisms of plasmacytoma variant translocation 1 in sarcoma using genome-wide RNA sequencing data. <i>Journal of Cancer</i> , 2019, 10, 4961-4977.  | 2.5 | 11        |
| 4795 | Identification of biomarker microRNA-mRNA regulatory pairs for predicting the docetaxel resistance in prostate cancer. <i>Journal of Cancer</i> , 2019, 10, 5469-5482.   | 2.5 | 7         |
| 4796 | Distinct Roles for BET Family Members in Estrogen Receptor $\beta$ Enhancer Function and Gene Regulation in Breast Cancer Cells. <i>Molecular Cancer Research</i> , 2019, 17, 2356-2368.                                     | 3.4 | 17        |
| 4797 | Promising Prognosis Marker Candidates on the Status of Epithelial-Mesenchymal Transition and Glioma Stem Cells in Glioblastoma. <i>Cells</i> , 2019, 8, 1312.  | 4.1 | 23        |
| 4798 | The Impact of Moyamoya Disease and RNF213 Mutations on the Spectrum of Plasma Protein and MicroRNA. <i>Journal of Clinical Medicine</i> , 2019, 8, 1648.   | 2.4 | 7         |
| 4799 | Intrarenal microRNA signature related to the fibrosis process in chronic kidney disease: identification and functional validation of key miRNAs. <i>BMC Nephrology</i> , 2019, 20, 336.                                      | 1.8 | 21        |
| 4800 | Identification of microRNA-181 as a promising biomarker for predicting the poor survival in colorectal cancer. <i>Cancer Medicine</i> , 2019, 8, 5995-6009.  | 2.8 | 15        |
| 4801 | Brain gene expression in a novel mouse model of postpartum mood disorder. <i>Translational Neuroscience</i> , 2019, 10, 168-174.   | 1.4 | 5         |
| 4802 | In silico studies reveal RSc1154 and RhIE as temperature-related pathogenic proteins of <i>Ralstonia solanacearum</i> . <i>FEMS Microbiology Letters</i> , 2019, 366, .  | 1.8 | 0         |
| 4803 | A Coordinated Response at The Transcriptome and Interactome Level is Required to Ensure Uropathogenic <i>Escherichia coli</i> Survival during Bacteremia. <i>Microorganisms</i> , 2019, 7, 292.                              | 3.6 | 5         |
| 4804 | Maternal Low-Fat Diet Programs the Hepatic Epigenome despite Exposure to an Obesogenic Postnatal Diet. <i>Nutrients</i> , 2019, 11, 2075.  | 4.1 | 8         |
| 4805 | Systems pharmacology dissection of action mechanisms of <i>Dipsaci Radix</i> for osteoporosis. <i>Life Sciences</i> , 2019, 235, 116820.   | 4.3 | 27        |
| 4806 | ABCD: Alzheimer's disease Biomarkers Comprehensive Database. <i>3 Biotech</i> , 2019, 9, 351.  | 2.2 | 2         |
| 4807 | Prim-O-glucosylcimifugin enhances the antitumour effect of PD-1 inhibition by targeting myeloid-derived suppressor cells. , 2019, 7, 231.  |     | 32        |
| 4808 | <i>P4HB</i> , a Novel Hypoxia Target Gene Related to Gastric Cancer Invasion and Metastasis. <i>BioMed Research International</i> , 2019, 2019, 1-13.  | 1.9 | 35        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4809 | Identification of serum exosomal microRNAs in acute spinal cord injured rats. <i>Experimental Biology and Medicine</i> , 2019, 244, 1149-1161.  | 2.4  | 30        |
| 4810 | Identification of modules and functional analysis in CRC subtypes by integrated bioinformatics analysis. <i>PLoS ONE</i> , 2019, 14, e0221772.  | 2.5  | 6         |
| 4811 | RhoC regulates radioresistance via crosstalk of ROCK2 with the DNA repair machinery in cervical cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 392.  | 8.6  | 30        |
| 4812 | The Role of MicroRNAs in Early Chondrogenesis of Human Induced Pluripotent Stem Cells (hiPSCs). <i>International Journal of Molecular Sciences</i> , 2019, 20, 4371.  | 4.1  | 21        |
| 4813 | Upregulation of MAPK10, TUBB2B and RASL11B may contribute to the development of neuroblastoma. <i>Molecular Medicine Reports</i> , 2019, 20, 3475-3486.   | 2.4  | 4         |
| 4814 | Human Trophoblast Differentiation Is Associated With Profound Gene Regulatory and Epigenetic Changes. <i>Endocrinology</i> , 2019, 160, 2189-2203.  | 2.8  | 35        |
| 4815 | Dissection of Pharmacological Mechanism of Chinese Herbal Medicine Yihuo Huatan Formula on Chronic Obstructive Pulmonary Disease: A Systems Pharmacology-Based Study. <i>Scientific Reports</i> , 2019, 9, 13431.             | 3.3  | 12        |
| 4816 | Comprehensive transcriptome analysis of adipose tissue in the Bactrian camel reveals fore hump has more specific physiological functions in immune and endocrine systems. <i>Livestock Science</i> , 2019, 228, 195-200.      | 1.6  | 6         |
| 4817 | Estrogen receptors promote NSCLC progression by modulating the membrane receptor signaling network: a systems biology perspective. <i>Journal of Translational Medicine</i> , 2019, 17, 308.                                  | 4.4  | 29        |
| 4818 | Dynamic Changes in the Molecular Signature of Adverse Left Ventricular Remodeling in Patients With Compensated and Decompensated Chronic Primary Mitral Regurgitation. <i>Circulation: Heart Failure</i> , 2019, 12, e005974. | 3.9  | 8         |
| 4819 | Identification and characterization of SEC24D as a susceptibility gene for hepatitis B virus infection. <i>Scientific Reports</i> , 2019, 9, 13425.   | 3.3  | 2         |
| 4820 | Integrated Analysis of Multiple Microarray Studies to Identify Novel Gene Signatures in Non-alcoholic Fatty Liver Disease. <i>Frontiers in Endocrinology</i> , 2019, 10, 599.   | 3.5  | 46        |
| 4821 | Causes and Consequences of A Glutamine Induced Normoxic HIF1 Activity for the Tumor Metabolism. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4742.  | 4.1  | 19        |
| 4822 | Transcriptomic analysis reveals new hippocampal gene networks induced by prolactin. <i>Scientific Reports</i> , 2019, 9, 13765.   | 3.3  | 20        |
| 4823 | Identification of key genes and microRNAs involved in kidney Wilms tumor by integrated bioinformatics analysis. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 2554-2564.   | 1.8  | 3         |
| 4824 | VWF, CXCL8 and IL6 might be potential druggable genes for acute coronary syndrome (ACS). <i>Computational Biology and Chemistry</i> , 2019, 83, 107125.   | 2.3  | 1         |
| 4825 | Disruptive variants of <i>CSDE1</i> associate with autism and interfere with neuronal development and synaptic transmission. <i>Science Advances</i> , 2019, 5, eaax2166.   | 10.3 | 35        |
| 4826 | LGP2 binds to PACT to regulate RIG-I and MDA5-mediated antiviral responses. <i>Science Signaling</i> , 2019, 12, .  | 3.6  | 51        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 4827 | Systematic Profiling of Alternative mRNA Splicing Signature for Predicting Glioblastoma Prognosis. <i>Frontiers in Oncology</i> , 2019, 9, 928.   | 2.8 | 25        |
| 4828 | Microarray-based analysis of COL11A1 and TWIST1 as important differentially expressed pathogenic genes between left and right-sided colon cancer. <i>Molecular Medicine Reports</i> , 2019, 20, 4202-4214.  | 2.4 | 6         |
| 4829 | Curcumin-Genes Expression Response in Hormone Dependent and Independent Metastatic Prostate Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4891.  | 4.1 | 27        |
| 4830 | The Anti-Apoptotic Effect of ASC-Exosomes in an In Vitro ALS Model and Their Proteomic Analysis. <i>Cells</i> , 2019, 8, 1087.  | 4.1 | 58        |
| 4831 | Computational identification of key genes that may regulate gene expression reprogramming in Alzheimer's patients. <i>PLoS ONE</i> , 2019, 14, e0222921.  | 2.5 | 22        |
| 4832 | An undergraduate laboratory on RNA sequencing analysis of bacterial gene expression. <i>Biochemistry and Molecular Biology Education</i> , 2019, 47, 161-167.   | 1.2 | 1         |
| 4833 | Transcriptomics analysis of host liver and meta-transcriptome analysis of rumen epimural microbial community in young calves treated with artificial dosing of rumen content from adult donor cow. <i>Scientific Reports</i> , 2019, 9, 790.  | 3.3 | 16        |
| 4834 | Hypomethylation of <i>STAT1</i> and <i>HLA-DRB1</i> is associated with type-I interferon-dependent <i>HLA-DRB1</i> expression in lupus CD8+ T cells. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 519-528.   | 0.9 | 29        |
| 4835 | Gene fingerprint model for literature based detection of the associations among complex diseases: a case study of COPD. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 20.  | 3.0 | 3         |
| 4836 | GOTrapper: a tool to navigate through branches of gene ontology hierarchy. <i>BMC Bioinformatics</i> , 2019, 20, 20.  | 2.6 | 11        |
| 4837 | Development and validation of nomograms integrating immune-related genomic signatures with clinicopathologic features to improve prognosis and predictive value of triple-negative breast cancer: A gene expression-based retrospective study. <i>Cancer Medicine</i> , 2019, 8, 686-700. | 2.8 | 18        |
| 4838 | Alternative splicing coupled to nonsense-mediated mRNA decay contributes to the high-altitude adaptation of maca ( <i>Lepidium meyenii</i> ). <i>Gene</i> , 2019, 694, 7-18.  | 2.2 | 10        |
| 4839 | Matrix metalloproteinase 9 inhibits the motility of highly aggressive HSC-3 oral squamous cell carcinoma cells. <i>Experimental Cell Research</i> , 2019, 376, 18-26.   | 2.6 | 13        |
| 4840 | Identification of hub genes and therapeutic drugs in esophageal squamous cell carcinoma based on integrated bioinformatics strategy. <i>Cancer Cell International</i> , 2019, 19, 142.  | 4.1 | 21        |
| 4841 | Transcriptional Regulatory Network Analysis to Reveal the Key Genes Involved in Skeletal Muscle Injury. <i>Journal of Computational Biology</i> , 2019, 26, 1090-1099.  | 1.6 | 3         |
| 4842 | Robust Transcriptional Response to Heat Shock Impacting Diverse Cellular Processes despite Lack of Heat Shock Factor in Microsporidia. <i>MSphere</i> , 2019, 4, .  | 2.9 | 6         |
| 4843 | Screening of differentially expressed genes and identification of NUF2 as a prognostic marker in breast cancer. <i>International Journal of Molecular Medicine</i> , 2019, 44, 390-404.   | 4.0 | 19        |
| 4844 | Network analysis of hyphae forming proteins in <i>Candida albicans</i> identifies important proteins responsible for pathovirulence in the organism. <i>Heliyon</i> , 2019, 5, e01916.  | 3.2 | 11        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4845 | Uncovering the pharmacological mechanism of <i>Carthamus tinctorius</i> L. on cardiovascular disease by a systems pharmacology approach. <i>Biomedicine and Pharmacotherapy</i> , 2019, 117, 109094.   | 5.6  | 56        |
| 4846 | Exploring the protective effect of ShengMai-Yin and Ganmaidazao decoction combination against type 2 diabetes mellitus with nonalcoholic fatty liver disease by network pharmacology and validation in KKAY mice. <i>Journal of Ethnopharmacology</i> , 2019, 242, 112029. | 4.1  | 29        |
| 4847 | Secretion of fibronectin by human pancreatic stellate cells promotes chemoresistance to gemcitabine in pancreatic cancer cells. <i>BMC Cancer</i> , 2019, 19, 596.   | 2.6  | 83        |
| 4848 | Astrocyte-specific transcriptome analysis using the ALDH1L1 bacTRAP mouse reveals novel biomarkers of astrogliosis in response to neurotoxicity. <i>Journal of Neurochemistry</i> , 2019, 150, 420-440.  | 3.9  | 18        |
| 4849 | Metaproteomics: Sample Preparation and Methodological Considerations. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1073, 187-215.  | 1.6  | 26        |
| 4850 | MicroRNA profiling of patients with sporadic atrial septal defect. <i>Biotechnology and Biotechnological Equipment</i> , 2019, 33, 510-519.  | 1.3  | 4         |
| 4851 | Network pharmacology study of traditional Chinese medicines for stroke treatment and effective constituents screening. <i>Journal of Ethnopharmacology</i> , 2019, 242, 112044.  | 4.1  | 38        |
| 4852 | Differentially expressed genes between systemic sclerosis and rheumatoid arthritis. <i>Hereditas</i> , 2019, 156, 17.  | 1.4  | 5         |
| 4853 | Absorption of zinc ions dissolved from zinc oxide nanoparticles in the tobacco callus improves plant productivity. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 138, 377-385.   | 2.3  | 17        |
| 4854 | Normoxia is not favorable for maintaining stemness of human endothelial progenitor cells. <i>Stem Cell Research</i> , 2019, 38, 101464.  | 0.7  | 7         |
| 4855 | Overexpression of NCAPH is upregulated and predicts a poor prognosis in prostate cancer. <i>Oncology Letters</i> , 2019, 17, 5768-5776.  | 1.8  | 23        |
| 4856 | Significance of PTEN Mutation in Cellular Process, Prognosis, and Drug Selection in Clear Cell Renal Cell Carcinoma. <i>Frontiers in Oncology</i> , 2019, 9, 357.  | 2.8  | 26        |
| 4857 | NAD tagSeq reveals that NAD <sup>+</sup> -capped RNAs are mostly produced from a large number of protein-coding genes in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12072-12077.             | 7.1  | 61        |
| 4858 | m6A Regulates Neurogenesis and Neuronal Development by Modulating Histone Methyltransferase Ezh2. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 154-168.  | 6.9  | 135       |
| 4859 | Investigation of the clinical significance and prospective molecular mechanisms of cystatin genes in patients with hepatitis B virus-related hepatocellular carcinoma. <i>Oncology Reports</i> , 2019, 42, 189-201.  | 2.6  | 8         |
| 4860 | Transcriptomic changes in the prefrontal cortex of rats as a function of age and cognitive engagement. <i>Neurobiology of Learning and Memory</i> , 2019, 163, 107035.   | 1.9  | 6         |
| 4861 | Macrophage centripetal migration drives spontaneous healing process after spinal cord injury. <i>Science Advances</i> , 2019, 5, eaav5086.   | 10.3 | 60        |
| 4862 | Identification of the iduronate-2-sulfatase proteome in wild-type mouse brain. <i>Heliyon</i> , 2019, 5, e01667.   | 3.2  | 8         |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4863 | DNA methylome of human neonatal umbilical cord: Enrichment of differentially methylated regions compared to umbilical cord blood DNA at transcription factor genes involved in body patterning and effects of maternal folate deficiency or children's sex. PLoS ONE, 2019, 14, e0214307. | 2.5  | 11        |
| 4864 | The R2TP complex regulates paramyxovirus RNA synthesis. PLoS Pathogens, 2019, 15, e1007749.   | 4.7  | 12        |
| 4865 | Expression Profile Analysis Identifies a Novel Five-Gene Signature to Improve Prognosis Prediction of Glioblastoma. Frontiers in Genetics, 2019, 10, 419.   | 2.3  | 52        |
| 4866 | Sensory experience remodels genome architecture in neural circuit to drive motor learning. Nature, 2019, 569, 708-713.  | 27.8 | 66        |
| 4867 | Identification of time-series differentially expressed genes and pathways associated with heart failure post-myocardial infarction using integrated bioinformatics analysis. Molecular Medicine Reports, 2019, 19, 5281-5290.   | 2.4  | 6         |
| 4868 | Integrative analysis of transcriptome-wide association study data and mRNA expression profiles identified candidate genes and pathways associated with atrial fibrillation. Heart and Vessels, 2019, 34, 1882-1888.   | 1.2  | 6         |
| 4869 | Identification and characterization of circular RNAs in chicken hepatocytes. Growth Hormone and IGF Research, 2019, 46-47, 16-23.   | 1.1  | 5         |
| 4870 | Identification of potential biomarkers for diagnosis of pancreatic and biliary tract cancers by sequencing of serum microRNAs. BMC Medical Genomics, 2019, 12, 62.  | 1.5  | 19        |
| 4871 | Proteomic Profiling of Human Prostate Cancer-associated Fibroblasts (CAF) Reveals LOXL2-dependent Regulation of the Tumor Microenvironment. Molecular and Cellular Proteomics, 2019, 18, 1410-1427.   | 3.8  | 60        |
| 4872 | Unbiased Boolean analysis of public gene expression data for cell cycle gene identification. Molecular Biology of the Cell, 2019, 30, 1770-1779.  | 2.1  | 28        |
| 4873 | Distinct Prognostic Values of Phospholipase C Beta Family Members for Non-Small Cell Lung Carcinoma. BioMed Research International, 2019, 2019, 1-11.   | 1.9  | 13        |
| 4874 | Identification of novel biomarkers and candidate small molecule drugs in non-small-cell lung cancer by integrated microarray analysis. OncoTargets and Therapy, 2019, Volume 12, 3545-3563.   | 2.0  | 32        |
| 4875 | Quantitative Proteomics Identifies DNA Repair as a Novel Biological Function for Hepatocyte Nuclear Factor 4 $\kappa$ in Colorectal Cancer Cells. Cancers, 2019, 11, 626.   | 3.7  | 13        |
| 4876 | Screening candidate microRNA-mRNA network for predicting the response to chemoresistance in osteosarcoma by bioinformatics analysis. Journal of Cellular Biochemistry, 2019, 120, 16798-16810.  | 2.6  | 12        |
| 4877 | Identification of novel biomarkers and small molecule drugs in human colorectal cancer by microarray and bioinformatics analysis. Molecular Genetics & Genomic Medicine, 2019, 7, e00713.   | 1.2  | 34        |
| 4878 | Sphingosine-1-phosphate signalling drives an angiogenic transcriptional programme in diffuse large B cell lymphoma. Leukemia, 2019, 33, 2884-2897.  | 7.2  | 26        |
| 4879 | Fatty acid-binding protein 1 increases steer fat deposition by facilitating the synthesis and secretion of triacylglycerol in liver. PLoS ONE, 2019, 14, e0214144.  | 2.5  | 15        |
| 4880 | The promising novel biomarkers and candidate small molecule drugs in lower-grade glioma: Evidence from bioinformatics analysis of high-throughput data. Journal of Cellular Biochemistry, 2019, 120, 15106-15118.   | 2.6  | 22        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 4881 | A four-gene signature for prognosis in breast cancer patients with hypermethylated IL15RA. <i>Oncology Letters</i> , 2019, 17, 4245-4254.  | 1.8  | 11        |
| 4882 | Comparative RNA-seq analysis of the drought-sensitive lentil ( <i>Lens culinaris</i> ) root and leaf under short- and long-term water deficits. <i>Functional and Integrative Genomics</i> , 2019, 19, 715-727.                        | 3.5  | 34        |
| 4883 | TAF5L and TAF6L Maintain Self-Renewal of Embryonic Stem Cells via the MYC Regulatory Network. <i>Molecular Cell</i> , 2019, 74, 1148-1163.e7.  | 9.7  | 36        |
| 4884 | Integration of transcriptomic data in a genome-scale metabolic model to investigate the link between obesity and breast cancer. <i>BMC Bioinformatics</i> , 2019, 20, 162.   | 2.6  | 22        |
| 4885 | FCRL5+ Memory B Cells Exhibit Robust Recall Responses. <i>Cell Reports</i> , 2019, 27, 1446-1460.e4.   | 6.4  | 87        |
| 4886 | Identification of RE1-Silencing Transcription Factor as a Promoter of Metastasis in Pancreatic Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 291.  | 2.8  | 6         |
| 4887 | Identification of DNA-Methylated CpG Islands Associated With Gene Silencing in the Adult Body Tissues of the Ogye Chicken Using RNA-Seq and Reduced Representation Bisulfite Sequencing. <i>Frontiers in Genetics</i> , 2019, 10, 346. | 2.3  | 37        |
| 4888 | SETD2 regulates the maternal epigenome, genomic imprinting and embryonic development. <i>Nature Genetics</i> , 2019, 51, 844-856.  | 21.4 | 207       |
| 4889 | A cell type-specific transcriptomic approach to map B cell and monocyte type I interferon-linked pathogenic signatures in Multiple Sclerosis. <i>Journal of Autoimmunity</i> , 2019, 101, 1-16.  | 6.5  | 12        |
| 4890 | Osseointegration effect of biomimetic intrafibrillarly mineralized collagen applied simultaneously with titanium implant: A pilot in vivo study. <i>Clinical Oral Implants Research</i> , 2019, 30, 637-648.                           | 4.5  | 10        |
| 4891 | Genome-wide Kdm4 histone demethylase transcriptional regulation in <i>Drosophila</i> . <i>Molecular Genetics and Genomics</i> , 2019, 294, 1107-1121.  | 2.1  | 7         |
| 4892 | DNA alteration-based classification of uveal melanoma gives better prognostic stratification than immune infiltration, which has a neutral effect in high-risk group. <i>Cancer Medicine</i> , 2019, 8, 3036-3046.                     | 2.8  | 13        |
| 4893 | Matrix Metalloproteinase 11 Is a Potential Therapeutic Target in Lung Adenocarcinoma. <i>Molecular Therapy - Oncolytics</i> , 2019, 14, 82-93.   | 4.4  | 35        |
| 4894 | Inhibition of protein disulfide isomerase in glioblastoma causes marked downregulation of DNA repair and DNA damage response genes. <i>Theranostics</i> , 2019, 9, 2282-2298.  | 10.0 | 35        |
| 4895 | Comprehensive analysis of transcriptomic changes induced by low and high doses of bisphenol A in HepG2 spheroids in vitro and rat liver in vivo. <i>Environmental Research</i> , 2019, 173, 124-134.                                   | 7.5  | 9         |
| 4896 | Development and validation of a TP53-associated immune prognostic model for hepatocellular carcinoma. <i>EBioMedicine</i> , 2019, 42, 363-374.   | 6.1  | 257       |
| 4897 | Identification of Candidate Genes and MicroRNAs for Acute Myocardial Infarction by Weighted Gene Coexpression Network Analysis. <i>BioMed Research International</i> , 2019, 2019, 1-11.   | 1.9  | 23        |
| 4898 | Comparative Gene Expression Profiles in Parathyroid Adenoma and Normal Parathyroid Tissue. <i>Journal of Clinical Medicine</i> , 2019, 8, 297.   | 2.4  | 14        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4899 | Analysis of the Functional Relevance of Epigenetic Chromatin Marks in the First Intron Associated with Specific Gene Expression Patterns. <i>Genome Biology and Evolution</i> , 2019, 11, 786-797.  | 2.5  | 13        |
| 4900 | Genomic Variations in Susceptibility to Intracranial Aneurysm in the Korean Population. <i>Journal of Clinical Medicine</i> , 2019, 8, 275.   | 2.4  | 24        |
| 4901 | circLPAR1 is a novel biomarker of prognosis for muscle-invasive bladder cancer with invasion and metastasis by miR-762. <i>Oncology Letters</i> , 2019, 17, 3537-3547.  | 1.8  | 34        |
| 4902 | Cell Wall Hydrolases in Bacteria: Insight on the Diversity of Cell Wall Amidases, Glycosidases and Peptidases Toward Peptidoglycan. <i>Frontiers in Microbiology</i> , 2019, 10, 331.   | 3.5  | 225       |
| 4903 | Prediction of platinum-resistance patients of gastric cancer using bioinformatics. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 13478-13486.  | 2.6  | 6         |
| 4904 | Dietary Restriction Extends Lifespan through Metabolic Regulation of Innate Immunity. <i>Cell Metabolism</i> , 2019, 29, 1192-1205.e8.  | 16.2 | 122       |
| 4905 | Clinical value screening, prognostic significance and key pathway identification of miR-204-5p in endometrial carcinoma: A study based on the Cancer Genome Atlas (TCGA), and bioinformatics analysis. <i>Pathology Research and Practice</i> , 2019, 215, 1003-1011. | 2.3  | 15        |
| 4906 | Variable outcomes of human heart attack recapitulated in genetically diverse mice. <i>Npj Regenerative Medicine</i> , 2019, 4, 5.   | 5.2  | 20        |
| 4907 | Combined analysis and validation for DNA methylation and gene expression profiles associated with prostate cancer. <i>Cancer Cell International</i> , 2019, 19, 50.   | 4.1  | 28        |
| 4908 | Dark-colored maple syrup treatment induces S-phase cell cycle arrest via reduced proliferating cell nuclear antigen expression in colorectal cancer cells. <i>Oncology Letters</i> , 2019, 17, 2713-2720.   | 1.8  | 3         |
| 4909 | A glucagon-like peptide-1 analog, liraglutide, ameliorates endothelial dysfunction through miRNAs to inhibit apoptosis in rats. <i>PeerJ</i> , 2019, 7, e6567.  | 2.0  | 13        |
| 4910 | A Computational Platform and Guide for Acceleration of Novel Medicines and Personalized Medicine. <i>Methods in Molecular Biology</i> , 2019, 1939, 181-198.  | 0.9  | 1         |
| 4911 | Thrombospondin-2 regulates extracellular matrix production, LOX levels, and cross-linking via downregulation of miR-29. <i>Matrix Biology</i> , 2019, 82, 71-85.  | 3.6  | 33        |
| 4912 | Transcriptome profiling analysis reveals that CXCL2 is involved in anlotinib resistance in human lung cancer cells. <i>BMC Medical Genomics</i> , 2019, 12, 38.   | 1.5  | 28        |
| 4913 | Genomic and epigenomic mapping of leptin-responsive neuronal populations involved in body weight regulation. <i>Nature Metabolism</i> , 2019, 1, 475-484.   | 11.9 | 17        |
| 4914 | Identification of a three-miRNA signature as a novel potential prognostic biomarker in patients with clear cell renal cell carcinoma. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 13751-13764.   | 2.6  | 32        |
| 4915 | Conserved motifs in nuclear genes encoding predicted mitochondrial proteins in <i>Trypanosoma cruzi</i> . <i>PLoS ONE</i> , 2019, 14, e0215160.   | 2.5  | 5         |
| 4916 | Urinary miRNA-29a-3p levels are associated with metabolic parameters via regulation of IGF1 in patients with metabolic syndrome. <i>Biomedical Reports</i> , 2019, 10, 250-258.   | 2.0  | 8         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 4917 | Identification of key pathways and genes in nasopharyngeal carcinoma using bioinformatics analysis. <i>Oncology Letters</i> , 2019, 17, 4683-4694.  | 1.8 | 9         |
| 4918 | Transcriptome analysis of rumen epithelium and meta-transcriptome analysis of rumen epimural microbial community in young calves with feed induced acidosis. <i>Scientific Reports</i> , 2019, 9, 4744.   | 3.3 | 25        |
| 4919 | Integrated analysis of lncRNA and mRNA repertoires in Marek's disease infected spleens identifies genes relevant to resistance. <i>BMC Genomics</i> , 2019, 20, 245.  | 2.8 | 46        |
| 4920 | HDAC1 and HDAC2 independently regulate common and specific intrinsic responses in murine enteroids. <i>Scientific Reports</i> , 2019, 9, 5363.  | 3.3 | 19        |
| 4921 | Deciphering the Pharmacological Mechanism of the Herb Radix Ophiopogonis in the Treatment of Nasopharyngeal Carcinoma by Integrating iTRAQ-Coupled 2-D LC-MS/MS Analysis and Network Investigation. <i>Frontiers in Pharmacology</i> , 2019, 10, 253. | 3.5 | 11        |
| 4922 | Identification of the Biomarkers and Pathological Process of Osteoarthritis: Weighted Gene Co-expression Network Analysis. <i>Frontiers in Physiology</i> , 2019, 10, 275.  | 2.8 | 38        |
| 4923 | Identification of lncRNA-miRNA-mRNA regulatory network associated with epithelial ovarian cancer cisplatin-resistant. <i>Journal of Cellular Physiology</i> , 2019, 234, 19886-19894.   | 4.1 | 44        |
| 4924 | Co-regulatory Network of Oncosuppressor miRNAs and Transcription Factors for Pathology of Human Hepatic Cancer Stem Cells (HCSC). <i>Scientific Reports</i> , 2019, 9, 5564.  | 3.3 | 27        |
| 4925 | Building the drug-GO function network to screen significant candidate drugs for myasthenia gravis. <i>PLoS ONE</i> , 2019, 14, e0214857.  | 2.5 | 5         |
| 4926 | Gene expression profiles between cystic and solid vestibular schwannoma indicate susceptible molecules and pathways in the cystic formation of vestibular schwannoma. <i>Functional and Integrative Genomics</i> , 2019, 19, 673-684.                 | 3.5 | 7         |
| 4927 | Identification of 8 miRNAs as biomarkers for nonalcoholic fatty liver disease. <i>Journal of Cellular Physiology</i> , 2019, 234, 17361-17369.  | 4.1 | 6         |
| 4928 | Hippocampal gene expression patterns linked to late-life physical activity oppose age and AD-related transcriptional decline. <i>Neurobiology of Aging</i> , 2019, 78, 142-154.   | 3.1 | 31        |
| 4929 | Competitive Endogenous RNA (ceRNA) Regulation Network of lncRNA-miRNA-mRNA in Colorectal Carcinogenesis. <i>Digestive Diseases and Sciences</i> , 2019, 64, 1868-1877.  | 2.3 | 50        |
| 4930 | Activation of Autophagy, Observed in Liver Tissues From Patients With Wilson Disease and From ATP7B-Deficient Animals, Protects Hepatocytes From Copper-Induced Apoptosis. <i>Gastroenterology</i> , 2019, 156, 1173-1189.e5.                         | 1.3 | 150       |
| 4931 | Conserved Disease Modules Extracted From Multilayer Heterogeneous Disease and Gene Networks for Understanding Disease Mechanisms and Predicting Disease Treatments. <i>Frontiers in Genetics</i> , 2019, 9, 745.                                      | 2.3 | 52        |
| 4932 | Repurposing of Drugs as Novel Influenza Inhibitors From Clinical Gene Expression Infection Signatures. <i>Frontiers in Immunology</i> , 2019, 10, 60.   | 4.8 | 44        |
| 4933 | RCC2, a regulator of the RalA signaling pathway, is identified as a novel therapeutic target in cisplatin-resistant ovarian cancer. <i>FASEB Journal</i> , 2019, 33, 5350-5365.   | 0.5 | 16        |
| 4934 | Comparison of the Transcriptomes and Proteomes of Serum Exosomes from Marek's Disease Virus-Vaccinated and Protected and Lymphoma-Bearing Chickens. <i>Genes</i> , 2019, 10, 116.   | 2.4 | 23        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 4935 | Computational prediction of the bioactivity potential of proteomes based on expert knowledge. Journal of Biomedical Informatics, 2019, 91, 103121.   | 4.3 | 2         |
| 4936 | Low concentrations of perfluorooctane sulfonate repress osteogenic and enhance adipogenic differentiation of human mesenchymal stem cells. Toxicology and Applied Pharmacology, 2019, 367, 82-91.                            | 2.8 | 16        |
| 4937 | <p>Identification of key pathways and hub genes in basal-like breast cancer using bioinformatics analysis</p>. OncoTargets and Therapy, 2019, Volume 12, 1319-1331.  | 2.0 | 50        |
| 4938 | Integrated bioinformatics analysis reveals novel key biomarkers and potential candidate small molecule drugs in gastric cancer. Pathology Research and Practice, 2019, 215, 1038-1048.                                       | 2.3 | 16        |
| 4939 | ISL1 predicts poor outcomes for patients with gastric cancer and drives tumor progression through binding to the ZEB1 promoter together with SETD7. Cell Death and Disease, 2019, 10, 33.                                    | 6.3 | 32        |
| 4940 | Proteomic analysis reveals a protective role of specific macrophage subsets in liver repair. Scientific Reports, 2019, 9, 2953.  | 3.3 | 16        |
| 4941 | The promising novel biomarkers and candidate small molecule drugs in kidney renal clear cell carcinoma: Evidence from bioinformatics analysis of high-throughput data. Molecular Genetics & Genomic Medicine, 2019, 7, e607. | 1.2 | 44        |
| 4942 | Locomotor Training Increases Synaptic Structure With High NGL-2 Expression After Spinal Cord Hemisection. Neurorehabilitation and Neural Repair, 2019, 33, 225-231.  | 2.9 | 7         |
| 4943 | Prediction of Drug Positioning for Quan-Du-Zhong Capsules Against Hypertensive Nephropathy Based on the Robustness of Disease Network. Frontiers in Pharmacology, 2019, 10, 49.  | 3.5 | 15        |
| 4944 | Multi-omics Analysis of Primary Cell Culture Models Reveals Genetic and Epigenetic Basis of Intratumoral Phenotypic Diversity. Genomics, Proteomics and Bioinformatics, 2019, 17, 576-589.                                   | 6.9 | 10        |
| 4945 | Vildagliptin, a dipeptidyl peptidase-4 inhibitor, attenuated endothelial dysfunction through miRNAs in diabetic rats. Archives of Medical Science, 2021, 17, 1378-1387.  | 0.9 | 7         |
| 4946 | Identification of key protein-coding genes in lung adenocarcinomas based on bioinformatic analysis. Translational Cancer Research, 2019, 8, 2829-2840.   | 1.0 | 1         |
| 4947 | Systematic Investigation of Berberine for Treating Hepatocellular Carcinoma Based on Network Pharmacology. Digital Chinese Medicine, 2019, 2, 127-135.   | 1.1 | 2         |
| 4948 | Pathway Analysis for SNP microarray data. , 2019, , .  |     | 1         |
| 4949 | Analysis of mRNA biomarker predicting progression of acute lymphoblastic leukaemia by big data mining. IOP Conference Series: Earth and Environmental Science, 2019, 332, 032022.  | 0.3 | 0         |
| 4950 | Study of the Gastrointestinal Heat Retention Syndrome in Children: From Diagnostic Model to Biological Basis. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-12.                                       | 1.2 | 3         |
| 4951 | Down-regulated hsa_circ_0067934 facilitated the progression of gastric cancer by sponging hsa-mir-4705 to downgrade the expression of BMPR1B. Translational Cancer Research, 2019, 8, 2691-2703.                             | 1.0 | 7         |
| 4952 | The four-microRNA signature identified by bioinformatics analysis predicts the prognosis of nasopharyngeal carcinoma patients. Oncology Reports, 2019, 42, 1767-1780.  | 2.6 | 22        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4953 | Gene Expression Profiling of Human Adipose Tissue Stem Cells during 2D versus 3D Adipogenesis. <i>Cells Tissues Organs</i> , 2019, 208, 113-133.  | 2.3  | 8         |
| 4954 | Single-Cell RNA Sequencing of Plant-Associated Bacterial Communities. <i>Frontiers in Microbiology</i> , 2019, 10, 2452.  | 3.5  | 10        |
| 4955 | The assessment of efficient representation of drug features using deep learning for drug repositioning. <i>BMC Bioinformatics</i> , 2019, 20, 577.  | 2.6  | 16        |
| 4956 | Identification of key biomarkers associated with development and prognosis in patients with ovarian carcinoma: evidence from bioinformatic analysis. <i>Journal of Ovarian Research</i> , 2019, 12, 110.  | 3.0  | 23        |
| 4957 | In silico identification of microRNAs as candidate colorectal cancer biomarkers. <i>Tumor Biology</i> , 2019, 41, 101042831988372.  | 1.8  | 11        |
| 4958 | BCL2 and hsa-miR-181a-5p are potential biomarkers associated with papillary thyroid cancer based on bioinformatics analysis. <i>World Journal of Surgical Oncology</i> , 2019, 17, 221.   | 1.9  | 11        |
| 4959 | MLLT3 governs human haematopoietic stem-cell self-renewal and engraftment. <i>Nature</i> , 2019, 576, 281-286.  | 27.8 | 94        |
| 4960 | TS-GOEA: a web tool for tissue-specific gene set enrichment analysis based on gene ontology. <i>BMC Bioinformatics</i> , 2019, 20, 572.   | 2.6  | 7         |
| 4961 | Gene Expression Profiles Controlled by the Alternative Splicing Factor Nova2 in Endothelial Cells. <i>Cells</i> , 2019, 8, 1498.  | 4.1  | 10        |
| 4962 | Gcn5-Mediated Histone Acetylation Governs Nucleosome Dynamics in Spermiogenesis. <i>Developmental Cell</i> , 2019, 51, 745-758.e6.  | 7.0  | 47        |
| 4963 | Arabidopsis proteome and the mass spectral assay library. <i>Scientific Data</i> , 2019, 6, 278.  | 5.3  | 39        |
| 4964 | Establishment of a mouse model for injury-induced scar formation and the accompanying chronic pain: Comprehensive microarray analysis of molecular expressions in fibrosis and hyperalgesia. <i>Molecular Pain</i> , 2019, 15, 174480691989238. | 2.1  | 1         |
| 4965 | Spatial organization of endometrial gene expression at the onset of embryo attachment in pigs. <i>BMC Genomics</i> , 2019, 20, 895.   | 2.8  | 26        |
| 4966 | Omics-based Investigation of Diet-induced Obesity Synergized with HBx, Src, and p53 Mutation Accelerating Hepatocarcinogenesis in Zebrafish Model. <i>Cancers</i> , 2019, 11, 1899.   | 3.7  | 18        |
| 4967 | Integration of protein interaction and gene co-expression information for identification of melanoma candidate genes. <i>Melanoma Research</i> , 2019, 29, 126-133.   | 1.2  | 4         |
| 4968 | A Maternal High-Fat Diet Induces DNA Methylation Changes That Contribute to Glucose Intolerance in Offspring. <i>Frontiers in Endocrinology</i> , 2019, 10, 871.  | 3.5  | 50        |
| 4969 | Joint Transcriptomic Analysis of Lung Cancer and Other Lung Diseases. <i>Frontiers in Genetics</i> , 2019, 10, 1260.  | 2.3  | 9         |
| 4970 | CDK1 and CCNB1 as potential diagnostic markers of rhabdomyosarcoma: validation following bioinformatics analysis. <i>BMC Medical Genomics</i> , 2019, 12, 198.  | 1.5  | 24        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 4971 | The regulatory effect of microRNA-21a-3p on the promotion of telocyte angiogenesis mediated by PI3K (p110 $\alpha$ )/AKT/mTOR in LPS induced mice ARDS. <i>Journal of Translational Medicine</i> , 2019, 17, 427.   | 4.4  | 26        |
| 4972 | Construction of an miRNA-mRNA regulatory network in colorectal cancer with bioinformatics methods. <i>Anti-Cancer Drugs</i> , 2019, 30, 588-595.  | 1.4  | 8         |
| 4973 | DNA methylation profiles are associated with complex regional pain syndrome after traumatic injury. <i>Pain</i> , 2019, 160, 2328-2337.   | 4.2  | 19        |
| 4974 | Expression Profile of the Chromosome 14 MicroRNA Cluster (C14MC) Ortholog in Equine Maternal Circulation throughout Pregnancy and Its Potential Implications. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6285.  | 4.1  | 12        |
| 4975 | Bioinformatics analysis of differentially expressed genes involved in human developmental chondrogenesis. <i>Medicine (United States)</i> , 2019, 98, e16240.   | 1.0  | 6         |
| 4976 | Whole genome sequencing of <i>Entamoeba nuttalli</i> reveals mammalian host-related molecular signatures and a novel octapeptide-repeat surface protein. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007923.  | 3.0  | 7         |
| 4977 | Long Noncoding RNA LINC00265 Targets EGFR and Promotes Deterioration of Colorectal Cancer: A Comprehensive Study Based on Data Mining and in vitro Validation. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 10681-10692.   | 2.0  | 14        |
| 4978 | Identification of Transcriptional Metabolic Dysregulation in Subtypes of Pituitary Adenoma by Integrated Bioinformatics Analysis. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019, Volume 12, 2441-2451.                                      | 2.4  | 7         |
| 4979 | Epigenetic reprogramming underlies efficacy of DNA demethylation therapy in osteosarcomas. <i>Scientific Reports</i> , 2019, 9, 20360.  | 3.3  | 13        |
| 4980 | Shared co-expression networks in frontal cortex of the normal aged brain and schizophrenia. <i>Schizophrenia Research</i> , 2019, 204, 253-261.   | 2.0  | 6         |
| 4981 | Reconstruction of mandibular bone defects using biphasic calcium phosphate bone substitutes with simultaneous implant placement in mini-pig: A pilot in vivo study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 2071-2079. | 3.4  | 8         |
| 4982 | Smell of Infection: A Novel, Noninvasive Method for Detection of Fish Excretory-Secretory Proteins. <i>Journal of Proteome Research</i> , 2019, 18, 1371-1379.  | 3.7  | 4         |
| 4983 | Unveiling Active Constituents and Potential Targets Related to the Hematinic Effect of Steamed Panax notoginseng Using Network Pharmacology Coupled With Multivariate Data Analyses. <i>Frontiers in Pharmacology</i> , 2018, 9, 1514.                                    | 3.5  | 18        |
| 4984 | Six genes as potential diagnosis and prognosis biomarkers for hepatocellular carcinoma through data mining. <i>Journal of Cellular Physiology</i> , 2019, 234, 9787-9792.   | 4.1  | 14        |
| 4985 | Integrated miRNA and mRNA transcriptomes of spleen profiles between Yorkshire and Queshan black pigs. <i>Gene</i> , 2019, 688, 204-214.   | 2.2  | 8         |
| 4986 | Hypocrellin A-based photodynamic action induces apoptosis in A549 cells through ROS-mediated mitochondrial signaling pathway. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 279-293.  | 12.0 | 95        |
| 4987 | Epigenetic Alternations of MicroRNAs and DNA Methylation Contribute to Liver Metastasis of Colorectal Cancer. <i>Digestive Diseases and Sciences</i> , 2019, 64, 1523-1534.   | 2.3  | 31        |
| 4988 | Time series analysis of gene changes and processes after burn with human gene expression profiles. <i>Burns</i> , 2019, 45, 387-397.  | 1.9  | 5         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 4989 | PPIExp: A Web-Based Platform for Integration and Visualization of Protein-Protein Interaction Data and Spatiotemporal Proteomics Data. <i>Journal of Proteome Research</i> , 2019, 18, 633-641.   | 3.7 | 8         |
| 4990 | Quantitative proteomics reveals mitochondrial respiratory chain as a dominant target for carbon ion radiation: Delayed reactive oxygen species generation caused DNA damage. <i>Free Radical Biology and Medicine</i> , 2019, 130, 436-445. | 2.9 | 23        |
| 4991 | Circulating miR-143-3p inhibition protects against insulin resistance in Metabolic Syndrome via targeting of the insulin-like growth factor 2 receptor. <i>Translational Research</i> , 2019, 205, 33-43.                                   | 5.0 | 55        |
| 4992 | Identification of hsa-miR-34a, hsa-miR-124, and hsa-miR-204 as signatures for cataract. <i>Journal of Cellular Physiology</i> , 2019, 234, 10709-10717.   | 4.1 | 14        |
| 4993 | Role of $17\beta$ -Estradiol in MCF-7 Breast Cancer Cell Line Based on the Bioinformatics Analysis. <i>Gynecologic and Obstetric Investigation</i> , 2019, 84, 268-276.   | 1.6 | 3         |
| 4994 | A three-gene methylation marker panel for the nodal metastatic risk assessment of muscle-invasive bladder cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 811-820.   | 2.5 | 7         |
| 4995 | Gene expression profiling identifies potential molecular markers of papillary thyroid carcinoma. <i>Cancer Biomarkers</i> , 2019, 24, 71-83.  | 1.7 | 24        |
| 4996 | OCT4 maintains self-renewal and reverses senescence in human hair follicle mesenchymal stem cells through the downregulation of p21 by DNA methyltransferases. <i>Stem Cell Research and Therapy</i> , 2019, 10, 28.                        | 5.5 | 40        |
| 4997 | Network Analyses of Integrated Differentially Expressed Genes in Papillary Thyroid Carcinoma to Identify Characteristic Genes. <i>Genes</i> , 2019, 10, 45.   | 2.4 | 8         |
| 4998 | Commonly Used Pancreatic Stellate Cell Cultures Differ Phenotypically and in Their Interactions with Pancreatic Cancer Cells. <i>Cells</i> , 2019, 8, 23.   | 4.1 | 25        |
| 4999 | DRMY1, a Myb-Like Protein, Regulates Cell Expansion and Seed Production in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 285-302.  | 3.1 | 15        |
| 5000 | Genomic and Transcriptomic Basis of <i>Hanseniaspora vineae</i> 's Impact on Flavor Diversity and Wine Quality. <i>Applied and Environmental Microbiology</i> , 2019, 85, .   | 3.1 | 51        |
| 5001 | miRNA-223 targets the GPAM gene and regulates the differentiation of intramuscular adipocytes. <i>Gene</i> , 2019, 685, 106-113.  | 2.2 | 42        |
| 5002 | Systems pharmacology uncover the mechanism of anti-non-small cell lung cancer for <i>Hedyotis diffusa</i> Willd. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 969-984.   | 5.6 | 30        |
| 5003 | Identification of six miRNAs serving as predictive biomarkers in coronary artery disease. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 1932-1942.   | 2.6 | 1         |
| 5004 | Absence of Mutation Enrichment for Genes Phylogenetically Conserved in the Olivocerebellar Motor Circuitry in a Cohort of Canadian Essential Tremor Cases. <i>Molecular Neurobiology</i> , 2019, 56, 4317-4321.                             | 4.0 | 2         |
| 5005 | Follicle populations and gene expression profiles of Nelore and Angus heifers with low and high ovarian follicle counts. <i>Molecular Reproduction and Development</i> , 2019, 86, 197-208.   | 2.0 | 6         |
| 5006 | NF- $\kappa$ B p65 dimerization and DNA-binding is important for inflammatory gene expression. <i>FASEB Journal</i> , 2019, 33, 4188-4202.  | 0.5 | 30        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5007 | A Serum-Induced Transcriptome and Serum Cytokine Signature Obtained at Diagnosis Correlates with the Development of Early Pancreatic Ductal Adenocarcinoma Metastasis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 680-689.  | 2.5 | 2         |
| 5008 | Identification of molecular signatures of cystic fibrosis disease status with plasma-based functional genomics. <i>Physiological Genomics</i> , 2019, 51, 27-41.  | 2.3 | 14        |
| 5009 | Transgene-associated human growth hormone expression in pancreatic $\beta^2$ -cells impairs identification of sex-based gene expression differences. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E196-E209. | 3.5 | 22        |
| 5010 | Identification of hub genes to regulate breast cancer metastasis to brain by bioinformatics analyses. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 9522-9531.   | 2.6 | 82        |
| 5011 | Practical considerations on performing and analyzing CLIP-seq experiments to identify transcriptomic-wide RNA-protein interactions. <i>Methods</i> , 2019, 155, 49-57.  | 3.8 | 12        |
| 5012 | Siglec-1 Macrophages and the Contribution of IFN to the Development of Autoimmune Congenital Heart Block. <i>Journal of Immunology</i> , 2019, 202, 48-55.  | 0.8 | 39        |
| 5013 | Identification of eight meta-signature miRNAs as potential biomarkers for oropharyngeal cancers. <i>Cancer Genetics</i> , 2019, 233-234, 75-83.   | 0.4 | 5         |
| 5014 | Identification of key genes in prostate cancer gene expression profile by bioinformatics. <i>Andrologia</i> , 2019, 51, e13169.   | 2.1 | 12        |
| 5015 | Suppression of myopathic lamin mutations by muscle-specific activation of <i>AMPK</i> and modulation of downstream signaling. <i>Human Molecular Genetics</i> , 2019, 28, 351-371.  | 2.9 | 16        |
| 5016 | Cell type-specific endometrial transcriptome changes during initial recognition of pregnancy in the mare. <i>Reproduction, Fertility and Development</i> , 2019, 31, 496.   | 0.4 | 17        |
| 5017 | Comparative analysis of spleen transcriptome detects differences in evolutionary adaptation of immune defense functions in bighead carp and silver carp. <i>Fish and Shellfish Immunology</i> , 2019, 84, 148-157.                                | 3.6 | 12        |
| 5018 | Pathway enrichment analysis approach based on topological structure and updated annotation of pathway. <i>Briefings in Bioinformatics</i> , 2019, 20, 168-177.  | 6.5 | 32        |
| 5019 | Comparative sequence alignment reveals River Buffalo genomic structural differences compared with cattle. <i>Genomics</i> , 2019, 111, 418-425.   | 2.9 | 8         |
| 5020 | It is time to apply biclustering: a comprehensive review of biclustering applications in biological and biomedical data. <i>Briefings in Bioinformatics</i> , 2019, 20, 1450-1465.  | 6.5 | 42        |
| 5021 | Prioritizing complex disease risk genes by integrating multiple data. <i>Genomics</i> , 2019, 111, 590-597.   | 2.9 | 2         |
| 5022 | Flexible Non-negative Matrix Factorization to Unravel Disease-related Genes. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 1-1.  | 3.0 | 8         |
| 5023 | The Overexpression of CD80 and ISG15 Are Associated with the Progression and Metastasis of Breast Cancer by a Meta-Analysis Integrating Three Microarray Datasets. <i>Pathology and Oncology Research</i> , 2020, 26, 443-452.                    | 1.9 | 19        |
| 5024 | Co-expression analysis provides important module and pathways of human dilated cardiomyopathy. <i>Journal of Cellular Physiology</i> , 2020, 235, 494-503.  | 4.1 | 8         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 5025 | Perturbation of the immune cells and prenatal neurogenesis by the triplication of the <i>Erg</i> gene in mouse models of Down syndrome. <i>Brain Pathology</i> , 2020, 30, 75-91.  | 4.1 | 8         |
| 5026 | Exploration of invasive mechanisms via global ncRNA-associated virus-host crosstalk. <i>Genomics</i> , 2020, 112, 1643-1650.   | 2.9 | 7         |
| 5027 | Driving Neurogenesis in Neural Stem Cells with High Sensitivity Optogenetics. <i>NeuroMolecular Medicine</i> , 2020, 22, 139-149.  | 3.4 | 7         |
| 5028 | Detailed Analysis of Molecular Mechanisms in Primary and Metastatic Melanoma. <i>Journal of Computational Biology</i> , 2020, 27, 9-19.  | 1.6 | 5         |
| 5029 | A Novel Genes Signature Associated with the Progression of Polycystic Ovary Syndrome. <i>Pathology and Oncology Research</i> , 2020, 26, 575-582.  | 1.9 | 11        |
| 5030 | Gene coexpression analysis offers important modules and pathway of human lung adenocarcinomas. <i>Journal of Cellular Physiology</i> , 2020, 235, 454-464.   | 4.1 | 14        |
| 5031 | ARAP1 is an independent prognostic biomarker in older women with ovarian high-grade serous adenocarcinoma receiving first-line platinum-based antineoplastic therapy. <i>Acta Oncologica</i> , 2020, 59, 40-47.                    | 1.8 | 3         |
| 5032 | Key Regulatory Effect of Activated <i>HIF-1<math>\alpha</math></i> /VEGFA Signaling Pathway in Systemic Capillary Leak Syndrome Confirmed by Bioinformatics Analysis. <i>Journal of Computational Biology</i> , 2020, 27, 914-922. | 1.6 | 5         |
| 5033 | HNF1B-mediated repression of SLUG is suppressed by EZH2 in aggressive prostate cancer. <i>Oncogene</i> , 2020, 39, 1335-1346.  | 5.9 | 32        |
| 5034 | A transcriptomic study of selenium against liver injury induced by beta-cypermethrin in mice by RNA-seq. <i>Functional and Integrative Genomics</i> , 2020, 20, 343-353.   | 3.5 | 3         |
| 5035 | The Nuclear Matrix Protein SAFB Cooperates with Major Satellite RNAs to Stabilize Heterochromatin Architecture Partially through Phase Separation. <i>Molecular Cell</i> , 2020, 77, 368-383.e7.                                   | 9.7 | 104       |
| 5036 | Integrating transcriptome-wide association study and mRNA expression profiling identified candidate genes and pathways associated with osteomyelitis. <i>Scandinavian Journal of Rheumatology</i> , 2020, 49, 131-136.             | 1.1 | 1         |
| 5037 | Integrated Analysis of DNA Copy Number Changes and Gene Expression Identifies Key Genes in Gastric Cancer. <i>Journal of Computational Biology</i> , 2020, 27, 877-887.  | 1.6 | 11        |
| 5038 | MiR-5p protects from kidney fibrosis by metabolic reprogramming. <i>FASEB Journal</i> , 2020, 34, 410-431.   | 0.5 | 50        |
| 5039 | Effects of <i>Kudoa septempunctata</i> infections in a human intestinal epithelial model (Caco-2): a DNA microarray study. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 1030-1038.                                | 1.3 | 3         |
| 5040 | Dysfunctional epigenetic aging of the normal colon and colorectal cancer risk. <i>Clinical Epigenetics</i> , 2020, 12, 5.  | 4.1 | 47        |
| 5041 | S1PR1-Associated Molecular Signature Predicts Survival in Patients with Sepsis. <i>Shock</i> , 2020, 53, 284-292.  | 2.1 | 13        |
| 5042 | The diagnosis and prognosis values of WNT mRNA expression in colon adenocarcinoma. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 3145-3161.   | 2.6 | 18        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5043 | An Integrated Mass Spectroscopy Data Processing Strategy for Fast Identification, In-Depth, and Reproducible Quantification of Protein N-Glycosylation in a Large Cohort of Human Urine Samples. <i>Analytical Chemistry</i> , 2020, 92, 690-698. | 6.5  | 21        |
| 5044 | A network-based predictive gene expression signature for recurrence risks in stage II colorectal cancer. <i>Cancer Medicine</i> , 2020, 9, 179-193.   | 2.8  | 16        |
| 5045 | Episo: quantitative estimation of RNA 5-methylcytosine at isoform level by high-throughput sequencing of RNA treated with bisulfite. <i>Bioinformatics</i> , 2020, 36, 2033-2039.   | 4.1  | 5         |
| 5046 | Epigenomic analysis of gastrulation identifies a unique chromatin state for primed pluripotency. <i>Nature Genetics</i> , 2020, 52, 95-105.   | 21.4 | 69        |
| 5047 | Identification of miR-210 and combination biomarkers as useful agents in early screening non-small cell lung cancer. <i>Gene</i> , 2020, 729, 144225.   | 2.2  | 6         |
| 5048 | Serum exosomal microRNA transcriptome profiling in subacute spinal cord injured rats. <i>Genomics</i> , 2020, 112, 2092-2105.   | 2.9  | 16        |
| 5049 | A dual role of dLsd1 in oogenesis: regulating developmental genes and repressing transposons. <i>Nucleic Acids Research</i> , 2020, 48, 1206-1224.  | 14.5 | 5         |
| 5050 | Screening prognosis-related genes in glioblastoma by microarray analysis. <i>Anti-Cancer Drugs</i> , 2020, 31, 150-157.   | 1.4  | 1         |
| 5051 | Identifying the Cellular Interactome of Epstein-Barr Virus Lytic Regulator Zta Reveals Cellular Targets Contributing to Viral Replication. <i>Journal of Virology</i> , 2020, 94, .   | 3.4  | 9         |
| 5052 | TFIIIC Binding to Alu Elements Controls Gene Expression via Chromatin Looping and Histone Acetylation. <i>Molecular Cell</i> , 2020, 77, 475-487.e11.   | 9.7  | 65        |
| 5053 | Brassinosteroids Antagonize Jasmonate-Activated Plant Defense Responses through BRI1-EMS-SUPPRESSOR1 (BES1). <i>Plant Physiology</i> , 2020, 182, 1066-1082.  | 4.8  | 48        |
| 5054 | Systematic construction and validation of an immune prognostic model for lung adenocarcinoma. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1233-1244.  | 3.6  | 52        |
| 5055 | Identification of the potential biomarkers in patients with glioma: a weighted gene co-expression network analysis. <i>Carcinogenesis</i> , 2020, 41, 743-750.  | 2.8  | 17        |
| 5056 | Advancing the Role of Gamma-Tocotrienol as Proteasomes Inhibitor: A Quantitative Proteomic Analysis of MDA-MB-231 Human Breast Cancer Cells. <i>Biomolecules</i> , 2020, 10, 19.  | 4.0  | 16        |
| 5057 | RNA-seq and ChIP-seq as Complementary Approaches for Comprehension of Plant Transcriptional Regulatory Mechanism. <i>International Journal of Molecular Sciences</i> , 2020, 21, 167.   | 4.1  | 24        |
| 5058 | PTPN21 CDS long isoform inhibits the response of acute lymphoblastic leukemia cells to NK-mediated lysis via the KIR/HLA axis. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 3298-3312.  | 2.6  | 3         |
| 5059 | Identification of a Prognostic Model Based on Immune-Related Genes of Lung Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 1588.  | 2.8  | 16        |
| 5060 | Identification of RNA Transcript Makers Associated With Prognosis of Kidney Renal Clear Cell Carcinoma by a Competing Endogenous RNA Network Analysis. <i>Frontiers in Genetics</i> , 2020, 11, 540094.   | 2.3  | 18        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5061 | Exosome-mediated miR-9-5p promotes proliferation and migration of renal cancer cells both inÂvitro and inÂvivo by targeting SOCS4. Biochemical and Biophysical Research Communications, 2020, 529, 1216-1224.                                     | 2.1  | 16        |
| 5062 | Combined blockade of polo-like kinase and pan-RAF is effective against NRAS-mutant non-small cell lung cancer cells. Cancer Letters, 2020, 495, 135-144.  | 7.2  | 8         |
| 5063 | The critical role of BAP1 mutation in the prognosis and treatment selection of kidney renal clear cell carcinoma. Translational Andrology and Urology, 2020, 9, 1725-1734.  | 1.4  | 10        |
| 5064 | &lt;p&gt;The Perspective of Diagnostic and Prognostic Values of Lipoxygenases mRNA Expression in Colon Adenocarcinoma&lt;/p&gt;. OncoTargets and Therapy, 2020, Volume 13, 9389-9405.   | 2.0  | 11        |
| 5065 | Serum exosomal microRNA transcriptome profiling in subacute spinal cord injured rats. Genomics, 2020, 112, 5086-5100.   | 2.9  | 8         |
| 5066 | Transcriptional Expressions of CXCL9/10/12/13 as Prognosis Factors in Breast Cancer. Journal of Oncology, 2020, 2020, 1-15.   | 1.3  | 11        |
| 5067 | Identification of potential specific biomarkers and key signaling pathways between osteogenic and adipogenic differentiation of hBMSCs for osteoporosis therapy. Journal of Orthopaedic Surgery and Research, 2020, 15, 437.                      | 2.3  | 11        |
| 5068 | Systematically Exploring the Antitumor Mechanisms of Core Chinese Herbs on Hepatocellular Carcinoma: A Computational Study. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-13.  | 1.2  | 4         |
| 5069 | A Network Pharmacology Technique to Investigate the Synergistic Mechanisms of Salvia miltiorrhiza and Radix puerariae in Treatment of Cardio-Cerebral Vascular Diseases. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-18. | 1.2  | 6         |
| 5070 | Uncovering the protective mechanism of Taohong Siwu decoction against diabetic retinopathy via HIF-1 signaling pathway based on network analysis and experimental validation. BMC Complementary Medicine and Therapies, 2020, 20, 298.            | 2.7  | 8         |
| 5071 | A prognostic gene expression signature for oropharyngeal squamous cell carcinoma. EBioMedicine, 2020, 61, 102805.   | 6.1  | 16        |
| 5072 | Development and validation of a metastasis-related Gene Signature for predicting the Overall Survival in patients with Pancreatic Ductal Adenocarcinoma. Journal of Cancer, 2020, 11, 6299-6318.  | 2.5  | 26        |
| 5073 | Intracellular calcium current disorder and disease phenotype in OBSCN mutant iPSC-based cardiomyocytes in arrhythmogenic right ventricular cardiomyopathy. Theranostics, 2020, 10, 11215-11229.   | 10.0 | 17        |
| 5074 | Argonaut: A Web Platform for Collaborative Multi-omic Data Visualization and Exploration. Patterns, 2020, 1, 100122.  | 5.9  | 18        |
| 5075 | CRISPR screening of porcine sgRNA library identifies host factors associated with Japanese encephalitis virus replication. Nature Communications, 2020, 11, 5178.   | 12.8 | 40        |
| 5076 | Biomarker exploration ofÂmicroRNA-203 as a promising substrate for predicting poor survival outcome in colorectal cancer. BMC Cancer, 2020, 20, 1003.   | 2.6  | 4         |
| 5077 | Uncovering the pharmacological mechanism of motherwort (Leonurus japonicus Houtt.) for treating menstrual disorders: A systems pharmacology approach. Computational Biology and Chemistry, 2020, 89, 107384.                                      | 2.3  | 10        |
| 5078 | Identification of biomarkers correlated with diagnosis and prognosis of endometrial cancer using bioinformatics analysis. Journal of Cellular Biochemistry, 2020, 121, 4908-4921.   | 2.6  | 7         |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 5079 | Injection of seminal fluid into the hemocoel of honey bee queens ( <i>Apis mellifera</i> ) can stimulate post-mating changes. <i>Scientific Reports</i> , 2020, 10, 11990.   | 3.3  | 9         |
| 5080 | A Network Pharmacology Approach to Investigate the Active Compounds and Mechanisms of Musk for Ischemic Stroke. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-14.                             | 1.2  | 14        |
| 5081 | Significance of tumor protein p53 mutation in cellular process and drug selection in brain lower grade (WHO grades II and III) glioma. <i>Biomarkers in Medicine</i> , 2020, 14, 1139-1150.                                  | 1.4  | 10        |
| 5082 | Identification of Target Genes in Hypertension and Left Ventricular Remodeling. <i>Medicine (United Tj ETQq1 1 0.784314 rgBT /Overlook</i>   | 1.0  | 10        |
| 5083 | Identification of candidate biomarkers and pathways associated with psoriasis using bioinformatics analysis. <i>Hereditas</i> , 2020, 157, 30.   | 1.4  | 14        |
| 5084 | Multi-layered proteomic analyses decode compositional and functional effects of cancer mutations on kinase complexes. <i>Nature Communications</i> , 2020, 11, 3563.   | 12.8 | 26        |
| 5085 | Mesenchymal Stem Cell-Derived Extracellular Vesicles Attenuate Radiation-Induced Lung Injury via miRNA-214-3p. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 849-862.  | 5.4  | 61        |
| 5086 | Fatty Acid Metabolism in Immune Cells: A Bioinformatics Analysis of Genes Involved in Ulcerative Colitis. <i>DNA and Cell Biology</i> , 2020, 39, 1573-1582.   | 1.9  | 9         |
| 5087 | Large-scale site-specific mapping of the O-GalNAc glycoproteome. <i>Nature Protocols</i> , 2020, 15, 2589-2610.  | 12.0 | 28        |
| 5088 | The Dysregulation and Prognostic Analysis of STRIPAK Complex Across Cancers. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 625.  | 3.7  | 8         |
| 5089 | Identification and validation of novel DNA methylation markers for early diagnosis of lung adenocarcinoma. <i>Molecular Oncology</i> , 2020, 14, 2744-2758.  | 4.6  | 17        |
| 5090 | Natural Selection on Exonic SNPs Shapes Allelic Expression Imbalance (AEI) Adaptability in Lung Cancer Progression. <i>Frontiers in Genetics</i> , 2020, 11, 665.  | 2.3  | 1         |
| 5091 | In silico and in vitro studies reveal complement system drives coagulation cascade in SARS-CoV-2 pathogenesis. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3734-3744.                              | 4.1  | 22        |
| 5092 | Investigation of the miRNA and mRNA Coexpression Network and Their Prognostic Value in Hepatocellular Carcinoma. <i>BioMed Research International</i> , 2020, 2020, 1-19.  | 1.9  | 7         |
| 5093 | HLH-11 modulates lipid metabolism in response to nutrient availability. <i>Nature Communications</i> , 2020, 11, 5959.   | 12.8 | 20        |
| 5094 | Characterization of transcriptional response of <i>Lactobacillus plantarum</i> under acidic conditions provides insight into bacterial adaptation in fermentative environments. <i>Scientific Reports</i> , 2020, 10, 19203. | 3.3  | 8         |
| 5095 | Uncovering the pharmacological mechanism of the effects of the Banxia-Xiakucuo Chinese Herb Pair on sleep disorder by a systems pharmacology approach. <i>Scientific Reports</i> , 2020, 10, 20454.                          | 3.3  | 8         |
| 5096 | Identifying a Potential Key Gene, TIMP1, Associated with Liver Metastases of Uveal Melanoma by Weight Gene Co-Expression Network Analysis. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 11923-11934.                    | 2.0  | 2         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5097 | Site-Specific Phosphorylation of Histone H1.4 Is Associated with Transcription Activation. International Journal of Molecular Sciences, 2020, 21, 8861.   | 4.1 | 8         |
| 5098 | CD74, a novel predictor for bronchopulmonary dysplasia in preterm infants. Medicine (United States), 2020, 99, e23477.  | 1.0 | 3         |
| 5099 | Differentially Expressed mRNAs and Their Long Noncoding RNA Regulatory Network with Helicobacter pylori-Associated Diseases including Atrophic Gastritis and Gastric Cancer. BioMed Research International, 2020, 2020, 1-16. | 1.9 | 6         |
| 5100 | DNA methylation during human adipogenesis and the impact of fructose. Genes and Nutrition, 2020, 15, 21.  | 2.5 | 8         |
| 5101 | Reconstruction of Dementia Gene Network Using Online Bioinformatics Tools. , 2020, , .  |     | 0         |
| 5102 | Ubiquitin-Like Modifier Activating Enzyme 1 as a Novel Diagnostic and Prognostic Indicator That Correlates With Ferroptosis and the Malignant Phenotypes of Liver Cancer Cells. Frontiers in Oncology, 2020, 10, 592413.      | 2.8 | 36        |
| 5103 | Computational Prediction of Antiangiogenesis Synergistic Mechanisms of Total Saponins of Panax japonicus Against Rheumatoid Arthritis. Frontiers in Pharmacology, 2020, 11, 566129.   | 3.5 | 4         |
| 5104 | Genome-Wide Analysis of Nubian Ibex Reveals Candidate Positively Selected Genes That Contribute to Its Adaptation to the Desert Environment. Animals, 2020, 10, 2181.   | 2.3 | 12        |
| 5105 | SITC cancer immunotherapy resource document: a compass in the land of biomarker discovery. , 2020, 8, e000705.  |     | 20        |
| 5106 | TTK, CDC25A, and ESPL1 as Prognostic Biomarkers for Endometrial Cancer. BioMed Research International, 2020, 2020, 1-13.  | 1.9 | 12        |
| 5107 | Combining bioinformatics techniques to explore the molecular mechanisms involved in pancreatic cancer metastasis and prognosis. Journal of Cellular and Molecular Medicine, 2020, 24, 14128-14138.                            | 3.6 | 19        |
| 5108 | Identification of Crucial lncRNAs, miRNAs, mRNAs, and Potential Therapeutic Compounds for Polycystic Ovary Syndrome by Bioinformatics Analysis. BioMed Research International, 2020, 2020, 1-16.                              | 1.9 | 12        |
| 5109 | Interactome analysis of gene expression profiles identifies CDC6 as a potential therapeutic target modified by miR-215-5p in hepatocellular carcinoma. International Journal of Medical Sciences, 2020, 17, 2926-2940.        | 2.5 | 6         |
| 5110 | Identification of immune-related genes as prognostic factors in bladder cancer. Scientific Reports, 2020, 10, 19695.  | 3.3 | 15        |
| 5111 | Transcriptomics and Prognosis Analysis to Identify Critical Biomarkers in Invasive Breast Carcinoma. Technology in Cancer Research and Treatment, 2020, 19, 153303382095701.  | 1.9 | 2         |
| 5112 | Mechanisms of Core Chinese Herbs against Colorectal Cancer: A Study Based on Data Mining and Network Pharmacology. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-15.                                   | 1.2 | 5         |
| 5113 | Ribosome Recycling by ABCE1 Links Lysosomal Function and Iron Homeostasis to 3' UTR-Directed Regulation and Nonsense-Mediated Decay. Cell Reports, 2020, 32, 107895.  | 6.4 | 36        |
| 5114 | Fto-modulated lipid niche regulates adult neurogenesis through modulating adenosine metabolism. Human Molecular Genetics, 2020, 29, 2775-2787.  | 2.9 | 15        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5115 | Network Pharmacology Analysis and Experiments Validation of the Inhibitory Effect of JianPi Fu Recipe on Colorectal Cancer LoVo Cells Metastasis and Growth. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-15. | 1.2  | 15        |
| 5116 | Identification of a three-long noncoding RNA prognostic model involved competitive endogenous RNA in kidney renal clear cell carcinoma. Cancer Cell International, 2020, 20, 319.   | 4.1  | 25        |
| 5117 | Ferroptosis-Related Gene Signature Predicts Glioma Cell Death and Glioma Patient Progression. Frontiers in Cell and Developmental Biology, 2020, 8, 538.  | 3.7  | 105       |
| 5118 | Genome-Wide Profiling of Alternative Splicing Signature Reveals Prognostic Predictor for Esophageal Carcinoma. Frontiers in Genetics, 2020, 11, 796.  | 2.3  | 5         |
| 5119 | Flubendazole elicits anti-cancer effects via targeting EVA1A-modulated autophagy and apoptosis in Triple-negative Breast Cancer. Theranostics, 2020, 10, 8080-8097.   | 10.0 | 48        |
| 5120 | DNA Methylation Clocks and Their Predictive Capacity for Aging Phenotypes and Healthspan. Neuroscience Insights, 2020, 15, 263310552094222.   | 1.6  | 86        |
| 5121 | Natural Killer cell transcriptome during primary EBV infection and EBV associated Hodgkin Lymphoma in childrenâ€”A preliminary observation. Immunobiology, 2020, 225, 151907.   | 1.9  | 2         |
| 5122 | Genes associated with survival of female bovine blastocysts produced in vivo. Cell and Tissue Research, 2020, 382, 665-678.   | 2.9  | 13        |
| 5123 | Discovery of Selenocysteine as aâ€”Potential Nanomedicine Promotes Cartilage Regeneration With Enhanced Immune Response by Text Mining and Biomedical Databases. Frontiers in Pharmacology, 2020, 11, 1138.                           | 3.5  | 5         |
| 5124 | MiR-93/miR-375: Diagnostic Potential, Aggressiveness Correlation and Common Target Genes in Prostate Cancer. International Journal of Molecular Sciences, 2020, 21, 5667.   | 4.1  | 13        |
| 5125 | Novel variants in women with premature ovarian function decline identified via whole-exome sequencing. Journal of Assisted Reproduction and Genetics, 2020, 37, 2487-2502.  | 2.5  | 11        |
| 5126 | Lower expression of LINC00092 in lung adenocarcinoma might mean poorer prognosis. Medicine (United States), 2020, 99, e23012.   | 1.0  | 7         |
| 5127 | Integrative Analysis of Regulatory Module Reveals Associations of Microgravity with Dysfunctions of Multi-body Systems and Tumorigenesis. International Journal of Molecular Sciences, 2020, 21, 7585.                                | 4.1  | 5         |
| 5128 | Analysis of Gender-Specific Regulatory Mechanisms on the Oncogenesis and Prognosis of Glioblastoma Multiforme. Journal of Physics: Conference Series, 2020, 1575, 012059.   | 0.4  | 0         |
| 5129 | Amino Sugars Reshape Interactions between Streptococcus mutans and Streptococcus gordonii. Applied and Environmental Microbiology, 2020, 87, .  | 3.1  | 6         |
| 5130 | Transcriptome Reveals Multi Pigmentation Genes Affecting Dorsoventral Pattern in Avian Body. Frontiers in Cell and Developmental Biology, 2020, 8, 560766.  | 3.7  | 11        |
| 5131 | &lt;p&gt;Identification and Validation of Novel Genes in Anaplastic Thyroid Carcinoma via Bioinformatics Analysis&lt;/p&gt;. Cancer Management and Research, 2020, Volume 12, 9787-9799.  | 1.9  | 10        |
| 5132 | The integration of transcriptome-wide association study and mRNA expression profiling data to identify candidate genes and gene sets associated with dental caries. Archives of Oral Biology, 2020, 118, 104863.                      | 1.8  | 7         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5133 | Chromatin Looping Shapes KLF5-Dependent Transcriptional Programs in Human Epithelial Cancers. <i>Cancer Research</i> , 2020, 80, 5464-5477.   | 0.9 | 24        |
| 5134 | Integrated Genome-Wide Methylation and Expression Analyses Reveal Key Regulators in Osteosarcoma. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-11.   | 1.3 | 7         |
| 5135 | Analysis of circulating-microRNA expression in lactating Holstein cows under summer heat stress. <i>PLoS ONE</i> , 2020, 15, e0231125.  | 2.5 | 14        |
| 5136 | Integrative genomics analysis of various omics data and networks identify risk genes and variants vulnerable to childhood-onset asthma. <i>BMC Medical Genomics</i> , 2020, 13, 123.  | 1.5 | 15        |
| 5137 | Short-Term Mild Temperature-Stress-Induced Alterations in the <i>C. elegans</i> Phosphoproteome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6409.   | 4.1 | 13        |
| 5138 | Coexpression Network Analysis Identifies a Novel Nine-RNA Signature to Improve Prognostic Prediction for Prostate Cancer Patients. <i>BioMed Research International</i> , 2020, 2020, 1-17.   | 1.9 | 8         |
| 5139 | Review on the Computational Genome Annotation of Sequences Obtained by Next-Generation Sequencing. <i>Biology</i> , 2020, 9, 295.   | 2.8 | 45        |
| 5140 | Neferine sensitized Taxol-resistant nasopharyngeal carcinoma to Taxol by inhibiting EMT via downregulating miR-130b-5p. <i>Biochemical and Biophysical Research Communications</i> , 2020, 531, 573-580.  | 2.1 | 11        |
| 5141 | Existence and possible roles of independent non-CpG methylation in the mammalian brain. <i>DNA Research</i> , 2020, 27, .   | 3.4 | 10        |
| 5142 | Can Scoliotic Discs Be Controls for Molecular Studies in Intervertebral Disc Research? Insights From Proteomics. <i>Global Spine Journal</i> , 2020, , 219256822095903.   | 2.3 | 0         |
| 5143 | Systems pharmacology-based approach to investigate the mechanisms of Danggui-Shaoyao-san prescription for treatment of Alzheimer's disease. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 282.                                      | 2.7 | 18        |
| 5144 | A network pharmacology study on analgesic mechanism of Yuanhu-Baizhi herb pair. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 284.  | 2.7 | 12        |
| 5145 | Transcriptome analysis reveals key signature genes involved in the oncogenesis of lung cancer. <i>Cancer Biomarkers</i> , 2020, 29, 475-482.  | 1.7 | 5         |
| 5146 | Scalable module detection for attributed networks with applications to breast cancer. <i>Journal of Applied Statistics</i> , 2020, , 1-18.  | 1.3 | 1         |
| 5147 | A Bioinformatics Research on Novel Mechanism of Compound Kushen Injection for Treating Breast Cancer by Network Pharmacology and Molecular Docking Verification. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-14. | 1.2 | 8         |
| 5148 | Seven immune-related genes prognostic power and correlation with tumor-infiltrating immune cells in hepatocellular carcinoma. <i>Cancer Medicine</i> , 2020, 9, 7440-7452.  | 2.8 | 24        |
| 5149 | Identification of genes and pathways associated with subchondral bone in osteoarthritis via bioinformatic analysis. <i>Medicine (United States)</i> , 2020, 99, e22142.   | 1.0 | 4         |
| 5150 | Construction and analysis of the protein-protein interaction network for the olfactory system of the silkworm <i>Bombyx mori</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 105, e21737.                                     | 1.5 | 9         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 5151 | Systemic Expression Analysis Reveals Prognostic Significance of WIPI3 in Hepatocellular Carcinoma. <i>Frontiers in Genetics</i> , 2020, 11, 847.   | 2.3  | 5         |
| 5152 | miRTissue ce: extending miRTissue web service with the analysis of ceRNA-ceRNA interactions. <i>BMC Bioinformatics</i> , 2020, 21, 199.  | 2.6  | 12        |
| 5153 | Essential amino acid supplementation alters the p53 transcriptional response and cytokine gene expression following total knee arthroplasty. <i>Journal of Applied Physiology</i> , 2020, 129, 980-991.                                | 2.5  | 3         |
| 5154 | Circulation of gut-preactivated naïve CD8 <sup>+</sup> T cells enhances antitumor immunity in B cell-defective mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23674-23683.  | 7.1  | 22        |
| 5155 | Identification of Pathways Associated with Placental Adaptation to Maternal Nutrient Restriction in Sheep. <i>Genes</i> , 2020, 11, 1031.  | 2.4  | 5         |
| 5156 | Three-dimensional facial-image analysis to predict heterogeneity of the human ageing rate and the impact of lifestyle. <i>Nature Metabolism</i> , 2020, 2, 946-957.  | 11.9 | 45        |
| 5157 | Construction of circRNA-Associated ceRNA Network Reveals Novel Biomarkers for Esophageal Cancer. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-12.   | 1.3  | 13        |
| 5158 | An Integrative Serum Pharmacology-Based Approach to Study the Anti-Tumor Activity of B. paniculatum Aqueous Bulb Extract on the Human Hepatocellular Carcinoma Cell Line BEL-7404. <i>Frontiers in Pharmacology</i> , 2020, 11, 01261. | 3.5  | 7         |
| 5159 | RNA-Seq reveals placental growth factor regulates the human retinal endothelial cell barrier integrity by transforming growth factor (TGF- $\beta$ 2) signaling. <i>Molecular and Cellular Biochemistry</i> , 2020, 475, 93-106.       | 3.1  | 5         |
| 5160 | The current landscape of coronavirus-host protein-protein interactions. <i>Journal of Translational Medicine</i> , 2020, 18, 319.  | 4.4  | 66        |
| 5161 | Identification of Critical Pathways and Hub Genes in LanCL1-Overexpressed Prostate Cancer Cells. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 7653-7664.  | 2.0  | 1         |
| 5162 | Functional in vivo and in vitro effects of 20q11.21 genetic aberrations on hPSC differentiation. <i>Scientific Reports</i> , 2020, 10, 18582.  | 3.3  | 17        |
| 5163 | Response to iron overload in cultured hepatocytes. <i>Scientific Reports</i> , 2020, 10, 21184.  | 3.3  | 11        |
| 5164 | Characterization of mRNA Profiles of Exosomes from Diverse Forms of M2 Macrophages. <i>BioMed Research International</i> , 2020, 2020, 1-13.   | 1.9  | 4         |
| 5165 | Prognostic value of Glypican family genes in early-stage pancreatic ductal adenocarcinoma after pancreaticoduodenectomy and possible mechanisms. <i>BMC Gastroenterology</i> , 2020, 20, 415.  | 2.0  | 9         |
| 5166 | MiR-218 affects hypertrophic differentiation of human mesenchymal stromal cells during chondrogenesis via targeting RUNX2, MEF2C, and COL10A1. <i>Stem Cell Research and Therapy</i> , 2020, 11, 532.                                  | 5.5  | 11        |
| 5167 | RNA-Seq Whole Transcriptome Analysis of Bovine Mammary Epithelial Cells in Response to Intracellular <i>Staphylococcus aureus</i> . <i>Frontiers in Veterinary Science</i> , 2020, 7, 642.   | 2.2  | 9         |
| 5168 | Effect of Intrauterine Smoke Exposure on microRNA-15a Expression in Human Lung Development and Subsequent Asthma Risk. <i>Healthcare (Switzerland)</i> , 2020, 8, 536.   | 2.0  | 5         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5169 | Identifying Key MicroRNAs Targeted by Narenmandula in a Rodent Nephropathy Model. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-9.   | 1.2  | 2         |
| 5170 | Transcriptome Analyses of $\beta$ -Thalassemia $\alpha$ -28(A&G) Mutation Using Isogenic Cell Models Generated by CRISPR/Cas9 and Asymmetric Single-Stranded Oligodeoxynucleotides (ssODNs). Frontiers in Genetics, 2020, 11, 577053. | 2.3  | 5         |
| 5171 | SOX2 promotes resistance of melanoma with PD-L1 high expression to T-cell-mediated cytotoxicity that can be reversed by SAHA. , 2020, 8, e001037.   |      | 27        |
| 5172 | H4K20me3 methyltransferase SUV420H2 shapes the chromatin landscape of pluripotent embryonic stem cells. Development (Cambridge), 2020, 147, .   | 2.5  | 11        |
| 5173 | Proteomic analysis of platelet-rich and platelet-poor plasma. Regenerative Therapy, 2020, 15, 226-235.  | 3.0  | 13        |
| 5174 | Integrative Analysis of DNA Methylation Identified 12 Signature Genes Specific to Metastatic ccRCC. Frontiers in Oncology, 2020, 10, 556018.  | 2.8  | 9         |
| 5175 | Bioinformatic Analysis Identifies Potential Key Genes in the Pathogenesis of Melanoma. Frontiers in Oncology, 2020, 10, 581985.   | 2.8  | 9         |
| 5176 | <p>Identification of Pannexin 2 as a Novel Marker Correlating with Ferroptosis and Malignant Phenotypes of Prostate Cancer Cells</p>. OncoTargets and Therapy, 2020, Volume 13, 4411-4421.  | 2.0  | 24        |
| 5177 | Radiation Induces Autophagy <i>via</i> Histone H4 Lysine 20 Trimethylation in Non-small Cell Lung Cancer Cells. Anticancer Research, 2020, 40, 2537-2548.   | 1.1  | 9         |
| 5178 | <i>MCM2</i> and <i>NUSAP1</i> Are Potential Biomarkers for the Diagnosis and Prognosis of Pancreatic Cancer. BioMed Research International, 2020, 2020, 1-20.   | 1.9  | 21        |
| 5179 | Expression profiling and analysis of some miRNAs in subcutaneous white adipose tissue during development of obesity. Genes and Nutrition, 2020, 15, 8.  | 2.5  | 15        |
| 5180 | Discovery of genes and proteins possibly regulating mean wool fibre diameter using cDNA microarray and proteomic approaches. Scientific Reports, 2020, 10, 7726.  | 3.3  | 6         |
| 5181 | Yeast-Based Genetic Interaction Analysis of Human Kinome. Cells, 2020, 9, 1156.   | 4.1  | 5         |
| 5182 | Identification of gene expression markers and development of evaluation method using cell-based and RT-PCR-based assay for skin sensitising potential of chemicals. Xenobiotica, 2020, 50, 1359-1369.                                 | 1.1  | 0         |
| 5183 | Nine hub genes related to the prognosis of HBV-positive hepatocellular carcinoma identified by protein interaction analysis. Annals of Translational Medicine, 2020, 8, 478-478.  | 1.7  | 13        |
| 5184 | Comprehensive analysis of competing endogenous RNA network in Wilms tumor based on the TARGET database. Translational Andrology and Urology, 2020, 9, 473-484.  | 1.4  | 0         |
| 5185 | Integrin-Linked Kinase Mediates Therapeutic Resistance of Quiescent CML Stem Cells to Tyrosine Kinase Inhibitors. Cell Stem Cell, 2020, 27, 110-124.e9.   | 11.1 | 29        |
| 5186 | Identification of a Gene-Related Risk Signature in Melanoma Patients Using Bioinformatic Profiling. Journal of Oncology, 2020, 2020, 1-13.  | 1.3  | 8         |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5187 | Prognostic implication and functional exploration for microRNA-20a as a molecular biomarker of gastrointestinal cancer. <i>BMC Cancer</i> , 2020, 20, 420.  | 2.6 | 3         |
| 5188 | MyomirDB: A unified database and server platform for muscle atrophy myomiRs, coregulatory networks and regulons. <i>Scientific Reports</i> , 2020, 10, 8593.  | 3.3 | 3         |
| 5189 | T Cells Produce IFN- $\gamma$ in the TREX1 D18N Model of Lupus-like Autoimmunity. <i>Journal of Immunology</i> , 2020, 204, 348-359.  | 0.8 | 13        |
| 5190 | Peptide SMIM30 promotes HCC development by inducing SRC/YES1 membrane anchoring and MAPK pathway activation. <i>Journal of Hepatology</i> , 2020, 73, 1155-1169.  | 3.7 | 111       |
| 5191 | Ribosomal protein S11 influences glioma response to TOP2 poisons. <i>Oncogene</i> , 2020, 39, 5068-5081.  | 5.9 | 21        |
| 5192 | Proteome characteristics of liver tissue from patients with parenteral nutrition-associated liver disease. <i>Nutrition and Metabolism</i> , 2020, 17, 43.  | 3.0 | 6         |
| 5193 | The Mutant p53-Driven Secretome Has Oncogenic Functions in Pancreatic Ductal Adenocarcinoma Cells. <i>Biomolecules</i> , 2020, 10, 884.   | 4.0 | 8         |
| 5194 | Identification of candidate aberrantly methylated and differentially expressed genes in Esophageal squamous cell carcinoma. <i>Scientific Reports</i> , 2020, 10, 9735.   | 3.3 | 11        |
| 5195 | Exploring Mechanism of Key Chinese Herbal Medicine on Breast Cancer by Data Mining and Network Pharmacology Methods. <i>Chinese Journal of Integrative Medicine</i> , 2021, 27, 919-926.  | 1.6 | 16        |
| 5196 | Changes in the host transcriptome and microbial metatranscriptome of the ileum of dairy calves subjected to artificial dosing of exogenous rumen contents. <i>Physiological Genomics</i> , 2020, 52, 333-346.   | 2.3 | 1         |
| 5197 | SCDb: an integrated database of stomach cancer. <i>BMC Cancer</i> , 2020, 20, 490.  | 2.6 | 7         |
| 5198 | Profiling of gene expression in methicillin-resistant <i>Staphylococcus aureus</i> in response to cyclo-(l-Val-l-Pro) and chloramphenicol isolated from <i>Streptomyces</i> sp., SUK 25 reveals gene downregulation in multiple biological targets. <i>Archives of Microbiology</i> , 2020, 202, 2083-2092. | 2.2 | 8         |
| 5199 | Biomarker roles identification of miR-106 family for predicting the risk and poor survival of colorectal cancer. <i>BMC Cancer</i> , 2020, 20, 506.   | 2.6 | 16        |
| 5200 | Systems Genetics for Mechanistic Discovery in Heart Diseases. <i>Circulation Research</i> , 2020, 126, 1795-1815.   | 4.5 | 8         |
| 5201 | Longitudinal Analysis of Gene Expression Changes During Cervical Carcinogenesis Reveals Potential Therapeutic Targets. <i>Evolutionary Bioinformatics</i> , 2020, 16, 117693432092057.  | 1.2 | 5         |
| 5202 | Quantitative proteomic analysis of aqueous humor after rabbit lensectomy reveals differences in coagulation and immunomodulatory proteins. <i>Molecular Omics</i> , 2020, 16, 126-137.  | 2.8 | 5         |
| 5203 | <p>A 5-Genes Stemness Score for Rapid Determination of Risk in Multiple Myeloma</p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 4339-4348.   | 2.0 | 9         |
| 5204 | Fermentable fiber-induced hepatocellular carcinoma in mice recapitulates gene signatures found in human liver cancer. <i>PLoS ONE</i> , 2020, 15, e0234726.   | 2.5 | 4         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5205 | Bioinformatic analysis and experimental identification of blood biomarkers for chronic nonunion. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 208.  | 2.3 | 11        |
| 5206 | Blood Serum Stimulates p38-Mediated Proliferation and Changes in Global Gene Expression of Adult Human Cardiac Stem Cells. <i>Cells</i> , 2020, 9, 1472.  | 4.1 | 13        |
| 5207 | Retinal endothelial cell phenotypic modifications during experimental autoimmune uveitis: a transcriptomic approach. <i>BMC Ophthalmology</i> , 2020, 20, 106.  | 1.4 | 14        |
| 5208 | Identification of <i>F5</i> as a Prognostic Biomarker in Patients with Gastric Cancer. <i>BioMed Research International</i> , 2020, 2020, 1-13.   | 1.9 | 24        |
| 5209 | Novel myocardial markers GADD45G and NDUF5 identified by RNA-sequencing predicts left ventricular reverse remodeling in advanced non-ischemic heart failure: a retrospective cohort study. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 116. | 1.7 | 6         |
| 5210 | Comparative expression profiles of host circulating miRNAs in response to <i>Trichinella spiralis</i> infection. <i>Veterinary Research</i> , 2020, 51, 39.   | 3.0 | 6         |
| 5211 | Identification of hub genes and pathways in adrenocortical carcinoma by integrated bioinformatic analysis. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 4428-4438.   | 3.6 | 16        |
| 5212 | RNA Sequencing and Bioinformatic Analysis on Retinoblastoma Revealing that Cell Cycle Deregulation Is a Key Process in Retinoblastoma Tumorigenesis. <i>Ophthalmologica</i> , 2021, 244, 51-59.   | 1.9 | 9         |
| 5213 | Identification of PTPRR and JAG1 as key genes in castration-resistant prostate cancer by integrated bioinformatics methods. <i>Journal of Zhejiang University: Science B</i> , 2020, 21, 246-255.   | 2.8 | 6         |
| 5214 | A three-phase method for identifying functionally related protein groups in weighted PPI networks. <i>Computational Biology and Chemistry</i> , 2020, 86, 107246.   | 2.3 | 4         |
| 5215 | heme critically regulates mitochondrial biogenesis through the transcriptional co-activator Hap4p in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 5095-5109.   | 3.4 | 10        |
| 5216 | Genomic Landscape and Mutational Spectrum of ADAMTS Family Genes in Mendelian Disorders Based on Gene Evidence Review for Variant Interpretation. <i>Biomolecules</i> , 2020, 10, 449.  | 4.0 | 4         |
| 5217 | Development of an autophagy-related signature in pancreatic adenocarcinoma. <i>Biomedicine and Pharmacotherapy</i> , 2020, 126, 110080.   | 5.6 | 29        |
| 5218 | Integrative Analysis for the Roles of lncRNAs in the Immune Responses of Mouse PBMC Exposed to Low-Dose Ionizing Radiation. <i>Dose-Response</i> , 2020, 18, 155932582091380.   | 1.6 | 6         |
| 5219 | Transcriptome profiling of buffalo endometrium reveals molecular signature distinct to early pregnancy. <i>Gene</i> , 2020, 743, 144614.  | 2.2 | 4         |
| 5220 | Establishment of a Prognostic Model Using Immune-Related Genes in Patients With Hepatocellular Carcinoma. <i>Frontiers in Genetics</i> , 2020, 11, 55.  | 2.3 | 14        |
| 5221 | Epigenetic mechanisms driving lineage commitment in mesenchymal stem cells. <i>Bone</i> , 2020, 134, 115309.  | 2.9 | 7         |
| 5222 | Possible SARS-coronavirus 2 inhibitor revealed by simulated molecular docking to viral main protease and host toll-like receptor. <i>Future Virology</i> , 2020, 15, 359-368.   | 1.8 | 42        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 5223 | Proteome Analysis Reveals Syndecan 1 Regulates Porcine Sapelovirus Replication. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4386.   | 4.1 | 1         |
| 5224 | SuccSite: Incorporating Amino Acid Composition and Informative k-spaced Amino Acid Pairs to Identify Protein Succinylation Sites. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 208-219.                      | 6.9 | 19        |
| 5225 | Two Thalamic Regions Screened Using Laser Capture Microdissection with Whole Human Genome Microarray in Schizophrenia Postmortem Samples. <i>Schizophrenia Research and Treatment</i> , 2020, 2020, 1-11.                  | 1.5 | 2         |
| 5226 | Identification of four hub genes as promising biomarkers to evaluate the prognosis of ovarian cancer in silico. <i>Cancer Cell International</i> , 2020, 20, 270.  | 4.1 | 21        |
| 5227 | Mechanistic insights on the mode of action of an antiproliferative thiosemicarbazone-nickel complex revealed by an integrated chemogenomic profiling study. <i>Scientific Reports</i> , 2020, 10, 10524.                   | 3.3 | 17        |
| 5228 | Identification of Key Differentially Expressed Transcription Factors in Glioblastoma. <i>Journal of Oncology</i> , 2020, 2020, 1-9.  | 1.3 | 10        |
| 5229 | DL0410 attenuates oxidative stress and neuroinflammation via BDNF/TrkB/ERK/CREB and Nrf2/HO-1 activation. <i>International Immunopharmacology</i> , 2020, 86, 106729.  | 3.8 | 36        |
| 5230 | Bioinformatics analysis of high-throughput data to validate potential novel biomarkers and small molecule drugs for glioblastoma multiforme. <i>Journal of International Medical Research</i> , 2020, 48, 030006052092454. | 1.0 | 2         |
| 5231 | Systematic summarization of the expression profiles and prognostic roles of the <i>dishevelled</i> gene family in hepatocellular carcinoma. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2020, 8, e1384.             | 1.2 | 9         |
| 5232 | Identification of key genes for esophageal squamous cell carcinoma via integrated bioinformatics analysis and experimental confirmation. <i>Journal of Thoracic Disease</i> , 2020, 12, 3188-3199.                         | 1.4 | 10        |
| 5233 | Study on the mechanisms of compound Kushen injection for the treatment of gastric cancer based on network pharmacology. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 6.                                     | 2.7 | 14        |
| 5234 | Molecular Mechanisms of Bortezomib Action: Novel Evidence for the miRNA-mRNA Interaction Involvement. <i>International Journal of Molecular Sciences</i> , 2020, 21, 350.  | 4.1 | 19        |
| 5235 | Dose-Dependent Effects of GLD-2 and GLD-1 on Germline Differentiation and Dedifferentiation in the Absence of PUF-8. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 5.                                      | 3.7 | 5         |
| 5236 | Network Pharmacology Study on the Pharmacological Mechanism of Cinobufotalin Injection against Lung Cancer. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-13.                               | 1.2 | 7         |
| 5237 | Maternal Inulin Supplementation Alters Hepatic DNA Methylation Profile and Improves Glucose Metabolism in Offspring Mice. <i>Frontiers in Physiology</i> , 2020, 11, 70.   | 2.8 | 5         |
| 5238 | Identification of Candidate Genes and Therapeutic Agents for Light Chain Amyloidosis Based on Bioinformatics Approach. <i>Pharmacogenomics and Personalized Medicine</i> , 2019, Volume 12, 387-396.                       | 0.7 | 3         |
| 5239 | A network pharmacology approach to investigating the mechanism of Tanshinone IIA for the treatment of liver fibrosis. <i>Journal of Ethnopharmacology</i> , 2020, 253, 112689.   | 4.1 | 41        |
| 5240 | Transcriptome analysis reveals the difference between "healthy" and "common" aging and their connection with age-related diseases. <i>Aging Cell</i> , 2020, 19, e13121.   | 6.7 | 22        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5241 | Whole genome sequencing and comparative genomic analysis of oleaginous red yeast <i>Sporobolomyces pararoseus</i> NGR identifies candidate genes for biotechnological potential and ballistospores-shooting. BMC Genomics, 2020, 21, 181.     | 2.8  | 9         |
| 5242 | Integrated characterization and validation of the prognostic significance of microRNA-200s in colorectal cancer. Cancer Cell International, 2020, 20, 56.   | 4.1  | 4         |
| 5243 | Network pharmacology-based approach to investigate the mechanisms of Shenqi Fuzheng injection in the treatment of breast cancer. European Journal of Integrative Medicine, 2020, 34, 101064.  | 1.7  | 4         |
| 5244 | Multiomics Evaluation of Human Fat-Derived Mesenchymal Stem Cells on an Osteobiologic Nanocomposite. BioResearch Open Access, 2020, 9, 37-50.   | 2.6  | 6         |
| 5245 | Potential frameworks to support evaluation of mechanistic data for developmental neurotoxicity outcomes: A symposium report. Neurotoxicology and Teratology, 2020, 78, 106865.  | 2.4  | 9         |
| 5246 | Hsa_circ_0011385 accelerates the progression of thyroid cancer by targeting miR-361-3p. Cancer Cell International, 2020, 20, 49.  | 4.1  | 40        |
| 5247 | Rett Syndrome, a Neurodevelopmental Disorder, Whole-Transcriptome, and Mitochondrial Genome Multiomics Analyses Identify Novel Variations and Disease Pathways. OMICS A Journal of Integrative Biology, 2020, 24, 160-171.                    | 2.0  | 18        |
| 5248 | Quantitative Comparative Proteomics Reveals Candidate Biomarkers for the Early Prediction of Gestational Diabetes Mellitus: A Preliminary Study. In Vivo, 2020, 34, 517-525.  | 1.3  | 20        |
| 5249 | Aberrantly methylated-differentially expressed genes and pathways in Epstein-Barr virus-associated gastric cancer. Future Oncology, 2020, 16, 187-197.  | 2.4  | 3         |
| 5250 | Aberrant Expression of a Non-muscle RBFOX2 Isoform Triggers Cardiac Conduction Defects in Myotonic Dystrophy. Developmental Cell, 2020, 52, 748-763.e6.   | 7.0  | 31        |
| 5251 | Local and Systemic Humoral Response to Autologous Lineage-Negative Cells Intrathecal Administration in ALS Patients. International Journal of Molecular Sciences, 2020, 21, 1070.   | 4.1  | 11        |
| 5252 | Loss of p53 drives neuron reprogramming in head and neck cancer. Nature, 2020, 578, 449-454.  | 27.8 | 241       |
| 5253 | PHYTOCHROME-INTERACTING FACTORS Interact with the ABA Receptors PYL8 and PYL9 to Orchestrate ABA Signaling in Darkness. Molecular Plant, 2020, 13, 414-430.   | 8.3  | 69        |
| 5254 | Transcriptome profiling of tolerogenic dendritic cells conditioned with dual mTOR kinase inhibitor, AZD8055. International Immunopharmacology, 2020, 81, 106241.  | 3.8  | 4         |
| 5255 | Different proteomic profiles of cinnabar upon therapeutic and toxic exposure reveal distinctive biological manifestations. Journal of Ethnopharmacology, 2020, 253, 112668.   | 4.1  | 6         |
| 5256 | Transcriptome analyses identify hub genes and potential mechanisms in adenoid cystic carcinoma. Medicine (United States), 2020, 99, e18676.   | 1.0  | 4         |
| 5257 | Integrated phytochemical analysis based on UHPLC-LTQ-Orbitrap and network pharmacology approaches to explore the potential mechanism of Lycium ruthenicum Murr. for ameliorating Alzheimer's disease. Food and Function, 2020, 11, 1362-1372. | 4.6  | 15        |
| 5258 | Identification of a Sixteen-gene Prognostic Biomarker for Lung Adenocarcinoma Using a Machine Learning Method. Journal of Cancer, 2020, 11, 1288-1298.  | 2.5  | 37        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5259 | Expression of apoptosis and myogenesis related genes during prenatal life in two divergent breeds of pigs. <i>Theriogenology</i> , 2020, 145, 67-76.  | 2.1 | 0         |
| 5260 | A genetic variant in the flanking region of miR-182 could decrease the susceptibility to the breast cancer risk in the Iranian population. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020, 39, 806-817.                               | 1.1 | 0         |
| 5261 | The conserved transcriptional regulator CdnL is required for metabolic homeostasis and morphogenesis in <i>Caulobacter</i> . <i>PLoS Genetics</i> , 2020, 16, e1008591.   | 3.5 | 16        |
| 5262 | Heat Shock Factor 2 Protects against Proteotoxicity by Maintaining Cell-Cell Adhesion. <i>Cell Reports</i> , 2020, 30, 583-597.e6.  | 6.4 | 33        |
| 5263 | Visualization and analysis of the interaction network of proteins associated with blood-cell targeting autoimmune diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165714.                             | 3.8 | 3         |
| 5264 | Comparative Transcriptome Analysis of Different <i>Dendrobium</i> Species Reveals Active Ingredients-Related Genes and Pathways. <i>International Journal of Molecular Sciences</i> , 2020, 21, 861.  | 4.1 | 23        |
| 5265 | Chemical composition and pharmacological mechanism of Qingfei Paidu Decoction and Ma Xing Shi Gan Decoction against Coronavirus Disease 2019 (COVID-19): In silico and experimental study. <i>Pharmacological Research</i> , 2020, 157, 104820. | 7.1 | 171       |
| 5266 | Systematic Elucidation of the Potential Mechanisms of Core Chinese Materia Medicas in Treating Liver Cancer Based on Network Pharmacology. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-13.                     | 1.2 | 7         |
| 5267 | RNA-Seq transcriptome profiling in three liver regeneration models in rats: comparative analysis of partial hepatectomy, ALLPS, and PVL. <i>Scientific Reports</i> , 2020, 10, 5213.  | 3.3 | 22        |
| 5268 | Exploring Alzheimer's Disease Molecular Variability via Calculation of Personalized Transcriptional Signatures. <i>Biomolecules</i> , 2020, 10, 503.  | 4.0 | 5         |
| 5269 | Identification of TP53 mutation associated-immunotype and prediction of survival in patients with hepatocellular carcinoma. <i>Annals of Translational Medicine</i> , 2020, 8, 321-321.   | 1.7 | 7         |
| 5270 | Screening Circular RNAs Related to Acquired Gefitinib Resistance in Non-small Cell Lung Cancer Cell Lines. <i>Journal of Cancer</i> , 2020, 11, 3816-3826.  | 2.5 | 18        |
| 5271 | DEEPSMP: A deep learning model for predicting the ectodomain shedding events of membrane proteins. <i>Journal of Bioinformatics and Computational Biology</i> , 2020, 18, 2050017.  | 0.8 | 3         |
| 5272 | Astragaloside IV acts through multi-scale mechanisms to effectively reduce diabetic nephropathy. <i>Pharmacological Research</i> , 2020, 157, 104831.   | 7.1 | 63        |
| 5273 | A network pharmacology study on the <i>Tripterygium wilfordii</i> Hook for treatment of Crohn's disease. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 95.  | 2.7 | 13        |
| 5274 | Identification of key candidate genes and pathways revealing the protective effect of liraglutide on diabetic cardiac muscle by integrated bioinformatics analysis. <i>Annals of Translational Medicine</i> , 2020, 8, 181-181.                 | 1.7 | 5         |
| 5275 | Fifteen Years of Gene Set Analysis for High-Throughput Genomic Data: A Review of Statistical Approaches and Future Challenges. <i>Entropy</i> , 2020, 22, 427.  | 2.2 | 34        |
| 5276 | Identification of Biomarkers Related to Systemic Sclerosis With or Without Pulmonary Hypertension Using Co-expression Analysis. <i>Journal of Computational Biology</i> , 2020, 27, 1519-1531.  | 1.6 | 7         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5277 | An RB-Condensin II Complex Mediates Long-Range Chromosome Interactions and Influences Expression at Divergently Paired Genes. <i>Molecular and Cellular Biology</i> , 2020, 40, .   | 2.3  | 8         |
| 5278 | Identification of hub genes in papillary thyroid carcinoma: robust rank aggregation and weighted gene co-expression network analysis. <i>Journal of Translational Medicine</i> , 2020, 18, 170.                                 | 4.4  | 20        |
| 5279 | Automated gene data integration with Databio. <i>BMC Research Notes</i> , 2020, 13, 195.  | 1.4  | 1         |
| 5280 | &lt;p&gt;Tumor-Draining Lymph Secretome En Route to the Regional Lymph Node in Breast Cancer Metastasis&lt;/p&gt;. <i>Breast Cancer: Targets and Therapy</i> , 2020, Volume 12, 57-67.  | 1.8  | 4         |
| 5281 | Knockout of IRF7 Highlights its Modulator Function of Host Response Against Avian Influenza Virus and the Involvement of MAPK and TOR Signaling Pathways in Chicken. <i>Genes</i> , 2020, 11, 385.                              | 2.4  | 19        |
| 5282 | Overexpression of DUSP6 enhances chemotherapy-resistance of ovarian epithelial cancer by regulating the ERK signaling pathway. <i>Journal of Cancer</i> , 2020, 11, 3151-3164.  | 2.5  | 18        |
| 5283 | Prevention of age-associated neuronal hyperexcitability with improved learning and attention upon knockout or antagonism of LPAR2. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 1029-1050.                           | 5.4  | 15        |
| 5284 | Transcriptomic and Epigenetic Preservation of Genetic Sex Identity in Estrogen-feminized Male Chicken Embryonic Gonads. <i>Endocrinology</i> , 2021, 162, .   | 2.8  | 17        |
| 5285 | Sex-dependent effects of preconception exposure to arsenite on gene transcription in parental germ cells and on transcriptomic profiles and diabetic phenotype of offspring. <i>Archives of Toxicology</i> , 2021, 95, 473-488. | 4.2  | 7         |
| 5286 | Human Respiratory Syncytial Virus-Induced Immune Signature of Infection Revealed by Transcriptome Analysis of Clinical Pediatric Nasopharyngeal Swab Samples. <i>Journal of Infectious Diseases</i> , 2021, 223, 1052-1061.     | 4.0  | 6         |
| 5287 | MicroRNA and protein-coding gene expression analysis in idiopathic pulmonary fibrosis yields novel biomarker signatures associated to survival. <i>Translational Research</i> , 2021, 228, 1-12.                                | 5.0  | 6         |
| 5288 | From classical to new generation approaches: An excursus of -omics methods for investigation of protein-protein interaction networks. <i>Journal of Proteomics</i> , 2021, 230, 103990.   | 2.4  | 31        |
| 5289 | Population Genomics Reveals Incipient Speciation, Introgression, and Adaptation in the African Mona Monkey (<i>Cercopithecus mona</i>). <i>Molecular Biology and Evolution</i> , 2021, 38, 876-890.                             | 8.9  | 15        |
| 5290 | Loss of the psychiatric risk factor SLC6A15 is associated with increased metabolic functions in primary hippocampal neurons. <i>European Journal of Neuroscience</i> , 2021, 53, 390-401.                                       | 2.6  | 8         |
| 5291 | Artificial intelligence based identification of the functional role of hirudin in diabetic erectile dysfunction treatment. <i>Pharmacological Research</i> , 2021, 163, 105244.   | 7.1  | 4         |
| 5292 | A MicroRNA Expression Signature as Prognostic Marker for Oropharyngeal Squamous Cell Carcinoma. <i>Journal of the National Cancer Institute</i> , 2021, 113, 752-759.   | 6.3  | 10        |
| 5293 | LncSEA: a platform for long non-coding RNA related sets and enrichment analysis. <i>Nucleic Acids Research</i> , 2021, 49, D969-D980.   | 14.5 | 76        |
| 5294 | Global analysis of RNA-binding protein dynamics by comparative and enhanced RNA interactome capture. <i>Nature Protocols</i> , 2021, 16, 27-60.   | 12.0 | 31        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5295 | Identification of potential <scp>circRNAs</scp> and <scp>circRNAâ€miRNAâ€mRNA</scp> regulatory network in the development of diabetic foot ulcers by integrated bioinformatics analysis. International Wound Journal, 2021, 18, 323-331.      | 2.9 | 20        |
| 5296 | Direct and Indirect Regulators of Epithelialâ€Mesenchymal Transitionâ€Mediated Immunosuppression in Breast Carcinomas. Cancer Discovery, 2021, 11, 1286-1305.   | 9.4 | 76        |
| 5297 | Chronic circadian shift leads to adipose tissue inflammation and fibrosis. Molecular and Cellular Endocrinology, 2021, 521, 111110.   | 3.2 | 28        |
| 5298 | Comparison of tear proteomic and neuromediator profiles changes between small incision lenticule extraction (SMILE) and femtosecond laser-assisted in-situ keratomileusis (LASIK). Journal of Advanced Research, 2021, 29, 67-81.             | 9.5 | 23        |
| 5299 | Integrated Microarray to Identify the Hub miRNAs and Constructed miRNAâ€mRNA Network in Neuroblastoma Via Bioinformatics Analysis. Neurochemical Research, 2021, 46, 197-212.   | 3.3 | 12        |
| 5300 | Data Treatment in Food Proteomics. , 2021, , 324-338.   |     | 1         |
| 5301 | Sustained Postnatal Skin Regeneration Upon Prenatal Application of Functionalized Collagen Scaffolds. Tissue Engineering - Part A, 2021, 27, 10-25.   | 3.1 | 3         |
| 5302 | Proteomic Profiling of Extracellular Vesicles Separated from Plasma of Former National Football League Players at Risk for Chronic Traumatic Encephalopathy. , 2021, 12, 1363.  |     | 12        |
| 5303 | Identification of six hub genes and analysis of their correlation with drug sensitivity in acute myeloid leukemia through bioinformatics. Translational Cancer Research, 2021, 10, 126-140.   | 1.0 | 4         |
| 5304 | Comparing the effects of two different strains of mycobacteria, Mycobacterium vaccae NCTC 11659 and M. vaccae ATCC 15483, on stress-resilient behaviors and lipid-immune signaling in rats. Brain, Behavior, and Immunity, 2021, 91, 212-229. | 4.1 | 12        |
| 5305 | Integrative Identification of Hub Genes Associated With Immune Cells in Atrial Fibrillation Using Weighted Gene Correlation Network Analysis. Frontiers in Cardiovascular Medicine, 2020, 7, 631775.  | 2.4 | 11        |
| 5306 | Identification of abnormally methylatedâ€differentially expressed genes and pathways in osteoarthritis: a comprehensive bioinformatic study. Clinical Rheumatology, 2021, 40, 3247-3256.  | 2.2 | 7         |
| 5307 | In-depth Site-specific Analysis of N-glycoproteome in Human Cerebrospinal Fluid and Glycosylation Landscape Changes in Alzheimer's Disease. Molecular and Cellular Proteomics, 2021, 20, 100081.  | 3.8 | 48        |
| 5308 | HDAC inhibition results in widespread alteration of the histone acetylation landscape and BRD4 targeting to gene bodies. Cell Reports, 2021, 34, 108638.  | 6.4 | 60        |
| 5309 | PredTAD: A machine learning framework that models 3D chromatin organization alterations leading to oncogene dysregulation in breast cancer cell lines. Computational and Structural Biotechnology Journal, 2021, 19, 2870-2880.               | 4.1 | 2         |
| 5310 | LncTx: A network-based method to repurpose drugs acting on the survival-related lncRNAs in lung cancer. Computational and Structural Biotechnology Journal, 2021, 19, 3990-4002.  | 4.1 | 5         |
| 5311 | Quantitative trait loci and transcriptome signatures associated with avian heritable resistance to Campylobacter. Scientific Reports, 2021, 11, 1623.   | 3.3 | 10        |
| 5312 | A Novel mRNA-miRNA Regulatory Sub-Network Associated With Prognosis of Metastatic Clear Cell Renal Cell Carcinoma. Frontiers in Oncology, 2020, 10, 593601.   | 2.8 | 5         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 5313 | Microarray Data Mining and Preliminary Bioinformatics Analysis of Hepatitis D Virus-Associated Hepatocellular Carcinoma. <i>BioMed Research International</i> , 2021, 2021, 1-18.  | 1.9 | 5         |
| 5314 | Global Gene Expression of Cultured Human Dermal Fibroblasts: Focus on Cell Cycle and Proliferation Status in Improving the Condition of Face Skin. <i>International Journal of Medical Sciences</i> , 2021, 18, 1519-1531.                           | 2.5 | 1         |
| 5315 | Extracellular signal-regulated kinase (ERK) pathway control of CD8+ T cell differentiation. <i>Biochemical Journal</i> , 2021, 478, 79-98.   | 3.7 | 17        |
| 5316 | JAK-STAT Pathway Inhibition Partially Restores Intestinal Homeostasis in Hdac1- and Hdac2-Intestinal Epithelial Cell-Deficient Mice. <i>Cells</i> , 2021, 10, 224.   | 4.1 | 11        |
| 5317 | Multiplex gene and phenotype network to characterize shared genetic pathways of epilepsy and autism. <i>Scientific Reports</i> , 2021, 11, 952.  | 3.3 | 27        |
| 5318 | Identification of novel biomarkers and candidate small-molecule drugs in cutaneous melanoma by comprehensive gene microarrays analysis. <i>Journal of Cancer</i> , 2021, 12, 1307-1317.  | 2.5 | 6         |
| 5319 | A Systems View of the Heparan Sulfate Interactome. <i>Journal of Histochemistry and Cytochemistry</i> , 2021, 69, 105-119.   | 2.5 | 44        |
| 5320 | Bioinformatic Analysis of Differential Genes in Sinusoidal Endothelial Cells of Liver Cirrhosis Rat. <i>Yangtze Medicine</i> , 2021, 05, 133-140.  | 0.1 | 0         |
| 5321 | Structural similarity-based prediction of host factors associated with SARS-CoV-2 infection and pathogenesis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 5868-5879.   | 3.5 | 12        |
| 5322 | Microarray expression profile of mRNAs and long noncoding RNAs and the potential role of PFK-1 in infantile hemangioma. <i>Cell Division</i> , 2021, 16, 1.  | 2.4 | 9         |
| 5323 | circRNA expression pattern and ceRNA network in the pathogenesis of aseptic loosening after total hip arthroplasty. <i>International Journal of Medical Sciences</i> , 2021, 18, 768-777.  | 2.5 | 6         |
| 5324 | Identification and Characterisation of Putative Enhancer Elements in Mouse Embryonic Stem Cells. <i>Bioinformatics and Biology Insights</i> , 2021, 15, 117793222097462.   | 2.0 | 3         |
| 5325 | Identification of HCG18 and MCM3AP-AS1 That Associate With Bone Metastasis, Poor Prognosis and Increased Abundance of M2 Macrophage Infiltration in Prostate Cancer. <i>Technology in Cancer Research and Treatment</i> , 2021, 20, 153303382199006. | 1.9 | 24        |
| 5326 | Anemarrhena asphodeloides modulates gut microbiota and restores pancreatic function in diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 110954.  | 5.6 | 19        |
| 5327 | Immune-associated molecular occurrence and prognosis predictor of hepatocellular carcinoma: an integrated analysis of GEO datasets. <i>Bioengineered</i> , 2021, 12, 5253-5265.  | 3.2 | 1         |
| 5328 | Exploring the treatment of COVID-19 with Yinqiao powder based on network pharmacology. <i>Phytotherapy Research</i> , 2021, 35, 2651-2664.   | 5.8 | 36        |
| 5329 | Comprehensive Analysis of ceRNA Regulation Network Involved in the Development of Coronary Artery Disease. <i>BioMed Research International</i> , 2021, 2021, 1-14.  | 1.9 | 6         |
| 5330 | Comprehensive evaluation of microRNA-10b in digestive system cancers reveals prognostic implication and signaling pathways associated with tumor progression. <i>Journal of Cancer</i> , 2021, 12, 4011-4024.  | 2.5 | 2         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5331 | Introduction to Data Analysis in Omics Sciences. , 2021, , 226-240.   |      | 0         |
| 5332 | Sparsely-connected autoencoder (SCA) for single cell RNAseq data mining. Npj Systems Biology and Applications, 2021, 7, 1.  | 3.0  | 53        |
| 5335 | Decrease in the T-box1 gene expression in embryonic brain and adult hippocampus of down syndrome mouse models. Biochemical and Biophysical Research Communications, 2021, 535, 87-92.   | 2.1  | 2         |
| 5336 | Identification of a novel snoRNA expression signature associated with overall survival in patients with lung adenocarcinoma: A comprehensive analysis based on RNA sequencing dataset. Mathematical Biosciences and Engineering, 2021, 18, 7837-7860. | 1.9  | 5         |
| 5337 | Discovery and function exploration of microRNA-155 as a molecular biomarker for early detection of breast cancer. Breast Cancer, 2021, 28, 806-821.   | 2.9  | 7         |
| 5338 | <i>CXCL10</i> potentiates immune checkpoint blockade therapy in homologous recombination-deficient tumors. Theranostics, 2021, 11, 7175-7187.   | 10.0 | 34        |
| 5339 | Role of Bioinformatics in Biological Sciences. , 2021, , 37-57.   |      | 5         |
| 5340 | INHBA is a novel mediator regulating cellular senescence and immune evasion in colorectal cancer. Journal of Cancer, 2021, 12, 5938-5949.   | 2.5  | 10        |
| 5341 | Identification And validation of transcription factor genes involved in prostate cancer metastasis. International Journal of Transgender Health, 2021, 14, 287-299.   | 2.3  | 0         |
| 5342 | Integrated Genomic and Transcriptomic Analysis reveals key genes for predicting dual-phenotype Hepatocellular Carcinoma Prognosis. Journal of Cancer, 2021, 12, 2993-3010.  | 2.5  | 5         |
| 5343 | Positive selection signatures in Anqing sixâ€œendâ€œwhite pig population based on reducedâ€œrepresentation genome sequencing data. Animal Genetics, 2021, 52, 143-154.  | 1.7  | 8         |
| 5344 | Identification of Core Genes Related to Progression and Prognosis of Hepatocellular Carcinoma and Small-Molecule Drug Predication. Frontiers in Genetics, 2021, 12, 608017.   | 2.3  | 5         |
| 5345 | Identification of glycolysis related pathways in pancreatic adenocarcinoma and liver hepatocellular carcinoma based on TCGA and GEO datasets. Cancer Cell International, 2021, 21, 128.   | 4.1  | 3         |
| 5346 | Identification of four methylation-driven genes as candidate biomarkers for monitoring single-walled carbon nanotube-induced malignant transformation of the lung. Toxicology and Applied Pharmacology, 2021, 412, 115391.                            | 2.8  | 11        |
| 5347 | Enrichment of IGF-1R and PPARÎ³ signalling pathways in orbital inflammatory diseases: steps toward understanding pathogenesis. British Journal of Ophthalmology, 2022, 106, 1012-1017.  | 3.9  | 2         |
| 5348 | Identification of four genes and biological characteristics of esophageal squamous cell carcinoma by integrated bioinformatics analysis. Cancer Cell International, 2021, 21, 123.  | 4.1  | 13        |
| 5349 | Identification of UBE2C as hub gene in driving prostate cancer by integrated bioinformatics analysis. PLoS ONE, 2021, 16, e0247827.   | 2.5  | 16        |
| 5350 | Single-Cell RNA Sequencing and Quantitative Proteomics Analysis Elucidate Marker Genes and Molecular Mechanisms in Hypoplastic Left Heart Patients With Heart Failure. Frontiers in Cell and Developmental Biology, 2021, 9, 617853.                  | 3.7  | 2         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5351 | eTumorMetastasis: A Network-based Algorithm Predicts Clinical Outcomes Using Whole-exome Sequencing Data of Cancer Patients. Genomics, Proteomics and Bioinformatics, 2021, 19, 973-985.                                    | 6.9  | 6         |
| 5352 | Restoration of type I interferon signaling in intrahepatically primed CD8+ T cells promotes functional differentiation. JCI Insight, 2021, 6, .   | 5.0  | 6         |
| 5353 | 3D Genome of macaque fetal brain reveals evolutionary innovations during primate corticogenesis. Cell, 2021, 184, 723-740.e21.  | 28.9 | 76        |
| 5354 | Comparisons of MicroRNA Set Enrichment Analysis Tools on Cancer De-regulated miRNAs from TCGA Expression Datasets. Current Bioinformatics, 2021, 15, 1104-1112.   | 1.5  | 5         |
| 5355 | Spatiotemporal dissection of the cell cycle with single-cell proteogenomics. Nature, 2021, 590, 649-654.  | 27.8 | 104       |
| 5356 | Investigating the role of <i>dachshund b</i> in the development of the pancreatic islet in zebrafish. Journal of Diabetes Investigation, 2021, 12, 710-727.   | 2.4  | 2         |
| 5357 | Transcriptional Profiling Uncovers Biologically Significant RNAs and Regulatory Networks in Nucleus Pulposus from Intervertebral Disc Degeneration Patients. BioMed Research International, 2021, 2021, 1-33.               | 1.9  | 1         |
| 5358 | Characterising cancer-associated fibroblast heterogeneity in non-small cell lung cancer: a systematic review and meta-analysis. Scientific Reports, 2021, 11, 3727.   | 3.3  | 27        |
| 5359 | Identification of key genes and pathways at the downstream of S100BP in pancreatic cancer cells by integrated bioinformatical analysis. Translational Cancer Research, 2021, 10, 806-816.                                   | 1.0  | 3         |
| 5360 | Deciphering the multi-scale mechanisms of Tephrosia purpurea against polycystic ovarian syndrome (PCOS) and its major psychiatric comorbidities: Studies from network pharmacological perspective. Gene, 2021, 773, 145385. | 2.2  | 12        |
| 5361 | SPAAC-NAD-seq, a sensitive and accurate method to profile NAD <sup>+</sup> -capped transcripts. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .                               | 7.1  | 26        |
| 5362 | Bi-allelic variants in HOPS complex subunit VPS41 cause cerebellar ataxia and abnormal membrane trafficking. Brain, 2021, 144, 769-780.   | 7.6  | 33        |
| 5363 | Immune microenvironment characterisation and dynamics during anti-HER2-based neoadjuvant treatment in HER2-positive breast cancer. Npj Precision Oncology, 2021, 5, 23.   | 5.4  | 26        |
| 5365 | A plug and play microfluidic platform for standardized sensitive low-input chromatin immunoprecipitation. Genome Research, 2021, 31, 919-933.   | 5.5  | 4         |
| 5366 | Elevated glucose represses lysosomal and mTOR-related genes in renal epithelial cells composed of progenitor CD133+ cells. PLoS ONE, 2021, 16, e0248241.  | 2.5  | 5         |
| 5367 | Muscle Enriched Lamin Interacting Protein (Mlip) Binds Chromatin and Is Required for Myoblast Differentiation. Cells, 2021, 10, 615.  | 4.1  | 8         |
| 5368 | XlinkCyNET: A Cytoscape Application for Visualization of Protein Interaction Networks Based on Cross-Linking Mass Spectrometry Identifications. Journal of Proteome Research, 2021, 20, 1943-1950.                          | 3.7  | 8         |
| 5369 | Integrative pan cancer analysis reveals epigenomic variation in cancer type and cell specific chromatin domains. Nature Communications, 2021, 12, 1419.   | 12.8 | 46        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 5370 | Development of a Prognostic Model for Ovarian Cancer Patients Based on Novel Immune Microenvironment Related Genes. <i>Frontiers in Oncology</i> , 2021, 11, 647273.   | 2.8  | 9         |
| 5371 | Signaling Pathways Regulated by Silica Nanoparticles. <i>Molecules</i> , 2021, 26, 1398.   | 3.8  | 17        |
| 5372 | Ogt controls neural stem/progenitor cell pool and adult neurogenesis through modulating Notch signaling. <i>Cell Reports</i> , 2021, 34, 108905.   | 6.4  | 44        |
| 5373 | C3AR1 mRNA as a Potential Therapeutic Target Associates With Clinical Outcomes and Tumor Microenvironment in Osteosarcoma. <i>Frontiers in Medicine</i> , 2021, 8, 642615.   | 2.6  | 9         |
| 5374 | Distribution of microRNA profiles in pre-clinical and clinical forms of murine and human prion disease. <i>Communications Biology</i> , 2021, 4, 411.  | 4.4  | 9         |
| 5376 | Identification and Analysis of Potential Key Genes Associated With Hepatocellular Carcinoma Based on Integrated Bioinformatics Methods. <i>Frontiers in Genetics</i> , 2021, 12, 571231.   | 2.3  | 25        |
| 5377 | Mapping specificity, cleavage entropy, allosteric changes and substrates of blood proteases in a high-throughput screen. <i>Nature Communications</i> , 2021, 12, 1693.  | 12.8 | 17        |
| 5378 | An organelle-tethering mechanism couples flagellation to cell division in bacteria. <i>Developmental Cell</i> , 2021, 56, 657-670.e4.  | 7.0  | 10        |
| 5379 | Comparison of metastatic castration-resistant prostate cancer in bone with other sites: clinical characteristics, molecular features and immune status. <i>PeerJ</i> , 2021, 9, e11133.  | 2.0  | 1         |
| 5381 | ARRDC3 as a Diagnostic and Prognostic Biomarker for Epithelial Ovarian Cancer Based on Data Mining. <i>International Journal of General Medicine</i> , 2021, Volume 14, 967-981.   | 1.8  | 5         |
| 5384 | Deep sequencing reveals the genomic characteristics of lung adenocarcinoma presenting as ground-glass nodules (GGNs). <i>Translational Lung Cancer Research</i> , 2021, 10, 1239-1255.   | 2.8  | 4         |
| 5385 | Sperm-borne miR-202 targets <i>SEPT7</i> and regulates first cleavage of bovine embryos via cytoskeletal remodeling. <i>Development (Cambridge)</i> , 2021, 148, .   | 2.5  | 14        |
| 5386 | Identification of the hub genes in gastric cancer through weighted gene co-expression network analysis. <i>PeerJ</i> , 2021, 9, e10682.  | 2.0  | 9         |
| 5387 | Î³-3PUFA supplementation ameliorates adipose tissue inflammation and insulin-stimulated glucose disposal in subjects with obesity: a potential role for apolipoprotein E. <i>International Journal of Obesity</i> , 2021, 45, 1331-1341. | 3.4  | 14        |
| 5388 | Transcriptomic alterations in malignant pleural mesothelioma cells in response to long-term treatment with bullfrog sialic acid-binding lectin. <i>Molecular Medicine Reports</i> , 2021, 23, .  | 2.4  | 5         |
| 5389 | Prediction and analysis of novel key genes ITCAX, LAPTM5, SERPINE1 in clear cell renal cell carcinoma through bioinformatics analysis. <i>PeerJ</i> , 2021, 9, e11272.   | 2.0  | 18        |
| 5390 | Characterisation of PALB2 tumours through whole-exome and whole-transcriptomic analyses. <i>Npj Breast Cancer</i> , 2021, 7, 46.   | 5.2  | 6         |
| 5391 | Single-cell RNA sequencing of mouse islets exposed to proinflammatory cytokines. <i>Life Science Alliance</i> , 2021, 4, e202000949.   | 2.8  | 16        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5392 | Is acupuncture effective in the treatment of COVID-19 related symptoms? Based on bioinformatics/network topology strategy. Briefings in Bioinformatics, 2021, 22, .                               | 6.5 | 32        |
| 5394 | Weighted gene co expression network analysis (WGCNA) with key pathways and hub genes related to micro RNAs in ischemic stroke. IET Systems Biology, 2021, 15, 93-100.                             | 1.5 | 4         |
| 5395 | BATF Regulates T Regulatory Cell Functional Specification and Fitness of Triglyceride Metabolism in Restraining Allergic Responses. Journal of Immunology, 2021, 206, 2088-2100.                  | 0.8 | 11        |
| 5396 | An Integrative Pharmacology-Based Strategy to Uncover the Mechanism of Xiong-Pi-Fang in Treating Coronary Heart Disease with Depression. Frontiers in Pharmacology, 2021, 12, 590602.             | 3.5 | 4         |
| 5397 | Identified a disintegrin and metalloproteinase with thrombospondin motifs 6 serve as a novel gastric cancer prognostic biomarker by bioinformatics analysis. Bioscience Reports, 2021, 41, .      | 2.4 | 4         |
| 5398 | Identification of transcriptomic signatures and crucial pathways involved in non-alcoholic steatohepatitis. Endocrine, 2021, 73, 52-64.   | 2.3 | 17        |
| 5399 | Identification of Potential Biomarkers From Hepatocellular Carcinoma With MT1 Deletion. Pathology and Oncology Research, 2021, 27, 597527.  | 1.9 | 5         |
| 5400 | Stress-induced transcriptional memory accelerates promoter-proximal pause release and decelerates termination over mitotic divisions. Molecular Cell, 2021, 81, 1715-1731.e6.                     | 9.7 | 28        |
| 5401 | Identification of Glioma Specific Genes as Diagnostic and Prognostic Markers for Glioma. Current Bioinformatics, 2021, 16, 120-129.   | 1.5 | 2         |
| 5402 | H3K27ac bookmarking promotes rapid post-mitotic activation of the pluripotent stem cell program without impacting 3D chromatin reorganization. Molecular Cell, 2021, 81, 1732-1748.e8.            | 9.7 | 60        |
| 5403 | Construction and analysis of protein-protein interaction network of non-alcoholic fatty liver disease. Computers in Biology and Medicine, 2021, 131, 104243.                                      | 7.0 | 10        |
| 5404 | Developmental Transcriptomics Reveals a Gene Network Driving Mimetic Color Variation in a Bumble Bee. Genome Biology and Evolution, 2021, 13, .   | 2.5 | 7         |
| 5405 | Investigating the mechanism of action of aggregation-inducing antimicrobial Pept-ins. Cell Chemical Biology, 2021, 28, 524-536.e4.  | 5.2 | 8         |
| 5406 | MicroRNA Expression Profile Distinguishes Glioblastoma Stem Cells from Differentiated Tumor Cells. Journal of Personalized Medicine, 2021, 11, 264.   | 2.5 | 12        |
| 5407 | MFN2 interacts with nuage-associated proteins and is essential for male germ cell development by controlling mRNA fate during spermatogenesis. Development (Cambridge), 2021, 148, .              | 2.5 | 12        |
| 5408 | A cell-to-patient machine learning transfer approach uncovers novel basal-like breast cancer prognostic markers amongst alternative splice variants. BMC Biology, 2021, 19, 70.                   | 3.8 | 13        |
| 5410 | Identification of the Ingredients and Mechanisms of Curcumae Radix for Depression Based on Network Pharmacology and Molecular Docking. Natural Product Communications, 2021, 16, 1934578X2110166. | 0.5 | 1         |
| 5411 | Immunity-longevity tradeoff neurally controlled by GABAergic transcription factor PITX1/UNC-30. Cell Reports, 2021, 35, 109187.   | 6.4 | 15        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5412 | Metformin Perturbs Pancreatic Differentiation From Human Embryonic Stem Cells. <i>Diabetes</i> , 2021, 70, 1689-1702.   | 0.6  | 6         |
| 5413 | Genome of the butterfly hillstream loach provides insights into adaptations to torrential mountain stream life. <i>Molecular Ecology Resources</i> , 2021, 21, 1922-1935.   | 4.8  | 1         |
| 5414 | CPA: a web-based platform for consensus pathway analysis and interactive visualization. <i>Nucleic Acids Research</i> , 2021, 49, W114-W124.  | 14.5 | 20        |
| 5415 | Detection of copy number variants in African goats using whole genome sequence data. <i>BMC Genomics</i> , 2021, 22, 398.   | 2.8  | 4         |
| 5416 | INPP4B promotes PI3K $\beta$ -dependent late endosome formation and Wnt/ $\beta$ -catenin signaling in breast cancer. <i>Nature Communications</i> , 2021, 12, 3140.  | 12.8 | 30        |
| 5417 | Network-based analysis of key regulatory genes implicated in Type 2 Diabetes Mellitus and Recurrent Miscarriages in Turner Syndrome. <i>Scientific Reports</i> , 2021, 11, 10662.   | 3.3  | 4         |
| 5418 | Significance and Mechanisms Analyses of RB1 Mutation in Bladder Cancer Disease Progression and Drug Selection by Bioinformatics Analysis. <i>Bladder Cancer</i> , 2021, 7, 133-142.                                       | 0.4  | 2         |
| 5419 | Bioinformatics Analysis of a Prognostic miRNA Signature and Potential Key Genes in Pancreatic Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 641289.  | 2.8  | 16        |
| 5420 | Overcoming false-positive gene-category enrichment in the analysis of spatially resolved transcriptomic brain atlas data. <i>Nature Communications</i> , 2021, 12, 2669.  | 12.8 | 74        |
| 5422 | METTL3 mediates bone marrow mesenchymal stem cell adipogenesis to promote chemoresistance in acute myeloid leukaemia. <i>FEBS Open Bio</i> , 2021, 11, 1659-1672.   | 2.3  | 23        |
| 5423 | Screening and identification of LMNB1 and DLGAP5, two key biomarkers in gliomas. <i>Bioscience Reports</i> , 2021, 41, .  | 2.4  | 7         |
| 5424 | Metabolomics bridging proteomics along metabolites/oncometabolites and protein modifications: Paving the way toward integrative multiomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 199, 114031. | 2.8  | 8         |
| 5425 | The SAM domain-containing protein 1 (SAMD1) acts as a repressive chromatin regulator at unmethylated CpG islands. <i>Science Advances</i> , 2021, 7, .  | 10.3 | 22        |
| 5426 | Identification of upregulated NF- $\kappa$ B inhibitor alpha and IRAK3 targeting lncRNA following intracranial aneurysm rupture-induced subarachnoid hemorrhage. <i>BMC Neurology</i> , 2021, 21, 197.                    | 1.8  | 9         |
| 5427 | Quantitative proteomics reveal the protective effects of EDS against osteoarthritis via attenuating inflammation and modulating immune response. <i>Journal of Ethnopharmacology</i> , 2021, 271, 113780.                 | 4.1  | 13        |
| 5428 | Significance of TP53 Mutation in Cellular Process and Disease Progression in Lung Adenocarcinoma. <i>Genetic Testing and Molecular Biomarkers</i> , 2021, 25, 346-354.  | 0.7  | 3         |
| 5429 | KDM4 orchestrates epigenomic remodeling of senescent cells and potentiates the senescence-associated secretory phenotype. <i>Nature Aging</i> , 2021, 1, 454-472.   | 11.6 | 31        |
| 5430 | A Semiautomated Paramagnetic Bead-Based Platform for Isobaric Tag Sample Preparation. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1519-1529.   | 2.8  | 19        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5431 | Comparative genomics analysis of two banana Fusarium wilt biocontrol endophytes <i>Bacillus subtilis</i> R31 and TR21 provides insights into their differences on phytobeneficial trait. <i>Genomics</i> , 2021, 113, 900-909.          | 2.9  | 14        |
| 5433 | Characterization of DNA Methylation and Screening of Epigenetic Markers in Polycystic Ovary Syndrome. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 664843.   | 3.7  | 15        |
| 5434 | A Phase 2 Randomised Clinical Trial Assessing the Tolerability of Two Different Ratios of Medicinal Cannabis in Patients With High Grade Gliomas. <i>Frontiers in Oncology</i> , 2021, 11, 649555.                                      | 2.8  | 28        |
| 5435 | Potential role of chimeric genes in pathway-related gene co-expression modules. <i>World Journal of Surgical Oncology</i> , 2021, 19, 149.  | 1.9  | 7         |
| 5436 | CBFB cooperates with p53 to maintain TAp73 expression and suppress breast cancer. <i>PLoS Genetics</i> , 2021, 17, e1009553.  | 3.5  | 8         |
| 5437 | The glycosyltransferase ST3GAL2 is regulated by miR-615-3p in the intestinal tract of <i>Campylobacter jejuni</i> infected mice. <i>Cut Pathogens</i> , 2021, 13, 42.   | 3.4  | 5         |
| 5438 | Microbiota Modulates Cardiac Transcriptional Responses to Intermittent Hypoxia and Hypercapnia. <i>Frontiers in Physiology</i> , 2021, 12, 680275.  | 2.8  | 4         |
| 5439 | A two-miRNA signature of upregulated miR-185-5p and miR-362-5p as a blood biomarker for breast cancer. <i>Pathology Research and Practice</i> , 2021, 222, 153458.  | 2.3  | 16        |
| 5440 | Global proteomic analyses of human cytotrophoblast differentiation/invasion. <i>Development (Cambridge)</i> , 2021, 148, .  | 2.5  | 5         |
| 5441 | Genetic basis of variation in cocaine and methamphetamine consumption in outbred populations of <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .  | 7.1  | 12        |
| 5442 | Comparative Proteomic Analysis of Polarized Human THP-1 and Mouse RAW264.7 Macrophages. <i>Frontiers in Immunology</i> , 2021, 12, 700009.  | 4.8  | 55        |
| 5444 | Cytotoxic, genotoxic, and toxicogenomic effects of dihydroxyacetone in human primary keratinocytes. <i>Cutaneous and Ocular Toxicology</i> , 2021, 40, 232-240.   | 1.3  | 7         |
| 5446 | Identification of immune cell infiltration pattern and related critical genes in metastatic castration-resistant prostate cancer by bioinformatics analysis. <i>Cancer Biomarkers</i> , 2021, 32, 1-15.                                 | 1.7  | 6         |
| 5448 | Nuclear ADP-ribosylation drives IFN $\beta$ -dependent STAT1 enhancer formation in macrophages. <i>Nature Communications</i> , 2021, 12, 3931.  | 12.8 | 20        |
| 5449 | Identification of potential pathogenic mutations in Chinese children with first branchial cleft anomalies detected by whole-exome sequencing. <i>Pediatric Investigation</i> , 2021, 5, 211-216.  | 1.4  | 1         |
| 5450 | Gene expression profiles of breast cancer metastasis according to organ site. <i>Molecular Oncology</i> , 2022, 16, 69-87.  | 4.6  | 24        |
| 5451 | Comparison of transcriptome between high- and low-marbling fineness in <i>longissimus thoracis</i> muscle of Korean cattle. <i>Animal Bioscience</i> , 2021, , .  | 2.0  | 2         |
| 5452 | Comprehensive Bioinformatics Analysis of mRNA Expression Profiles and Identification of a miRNA-mRNA Network Associated with the Pathogenesis of Low-Grade Gliomas. <i>Cancer Management and Research</i> , 2021, Volume 13, 5135-5147. | 1.9  | 4         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5453 | Identification of a Seven-lncRNA-mRNA Signature for Recurrence and Prognostic Prediction in Relapsed Acute Lymphoblastic Leukemia Based on WGCNA and LASSO Analyses. <i>Analytical Cellular Pathology</i> , 2021, 2021, 1-16. | 1.4 | 6         |
| 5454 | Tandem mass tag-based proteomics for studying the effects of a biotechnologically produced oyster mushroom against hepatic steatosis in obese Zucker rats. <i>Journal of Proteomics</i> , 2021, 242, 104255.                  | 2.4 | 4         |
| 5455 | TCGA dataset screening for genes implicated in endometrial cancer using RNA-seq profiling. <i>Cancer Genetics</i> , 2021, 254-255, 40-47.   | 0.4 | 2         |
| 5456 | Aging- and Tumor-Mediated Increase in CD8+CD28 <sup>hi</sup> T Cells Might Impose a Strong Barrier to Success of Immunotherapy in Glioblastoma. <i>ImmunoHorizons</i> , 2021, 5, 395-409.                                     | 1.8 | 8         |
| 5457 | Aberrant Alternative Splicing in U2af1/Tet2 Double Mutant Mice Contributes to Major Hematological Phenotypes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6963.  | 4.1 | 5         |
| 5458 | Transcriptomics-based drug repositioning pipeline identifies therapeutic candidates for COVID-19. <i>Scientific Reports</i> , 2021, 11, 12310.  | 3.3 | 31        |
| 5459 | LncRNA <i>HBL1</i> is required for genome-wide PRC2 occupancy and function in cardiogenesis from human pluripotent stem cells. <i>Development (Cambridge)</i> , 2021, 148, .  | 2.5 | 12        |
| 5460 | BoxCar increases the depth and reproducibility of diabetic urinary proteome analysis. <i>Proteomics - Clinical Applications</i> , 2021, 15, e2000092.   | 1.6 | 2         |
| 5461 | Revealing the Modular Similarities and Differences Among Alzheimer's Disease, Vascular Dementia, and Parkinson's Disease in Genomic Networks. <i>NeuroMolecular Medicine</i> , 2022, 24, 125-138.                             | 3.4 | 7         |
| 5463 | BAP1/ASXL complex modulation regulates epithelial-mesenchymal transition during trophoblast differentiation and invasion. <i>ELife</i> , 2021, 10, .  | 6.0 | 27        |
| 5464 | Construction of a novel mRNA-miRNA-lncRNA network and identification of potential regulatory axis associated with prognosis in colorectal cancer liver metastases. <i>Aging</i> , 2021, 13, 14968-14988.                      | 3.1 | 10        |
| 5465 | Comprehensive Search for Novel Circulating miRNAs and Axon Guidance Pathway Proteins Associated with Risk of ESKD in Diabetes. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2331-2351.              | 6.1 | 20        |
| 5466 | N6-Methyladenosine-Related lncRNAs in Tumor Microenvironment Are Potential Prognostic Biomarkers in Colon Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 697949.  | 2.8 | 12        |
| 5467 | An Investigation of the Antigastric Cancer Effect in Tumor Microenvironment of Radix Rhei Et Rhizome: A Network Pharmacology Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-9.           | 1.2 | 2         |
| 5468 | Transcriptome Analyses Provide Insights into the Aggressive Behavior toward Conspecific and Heterospecific in <i>Thitarodes xiaojinensis</i> (Lepidoptera: Hepialidae). <i>Insects</i> , 2021, 12, 577.                       | 2.2 | 1         |
| 5469 | Identification of an immune-based mRNA-lncRNA signature for overall survival in cervical squamous cell carcinoma. <i>Future Oncology</i> , 2021, 17, 2365-2380.   | 2.4 | 1         |
| 5470 | Parental methylome reprogramming in human uniparental blastocysts reveals germline memory transition. <i>Genome Research</i> , 2021, 31, 1519-1530.   | 5.5 | 4         |
| 5471 | Environmental responsiveness of flowering time in cassava genotypes and associated transcriptome changes. <i>PLoS ONE</i> , 2021, 16, e0253555.   | 2.5 | 4         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 5472 | Mutation in FBXO32 causes dilated cardiomyopathy through up-regulation of ER-stress mediated apoptosis. <i>Communications Biology</i> , 2021, 4, 884.  | 4.4 | 12        |
| 5473 | Muscarinic receptor M3 contributes to intestinal stem cell maintenance via EphB/ephrin-B signaling. <i>Life Science Alliance</i> , 2021, 4, e202000962.  | 2.8 | 9         |
| 5474 | Ten-gene signature reveals the significance of clinical prognosis and immuno-correlation of osteosarcoma and study on novel skeleton inhibitors regarding MMP9. <i>Cancer Cell International</i> , 2021, 21, 377.                  | 4.1 | 19        |
| 5475 | Construction and Validation of an Immune-Based Prognostic Model for Pancreatic Adenocarcinoma Based on Public Databases. <i>Frontiers in Genetics</i> , 2021, 12, 702102.  | 2.3 | 3         |
| 5477 | Novel Post-Translational Modifications and Molecular Substrates in Glioma Identified by Bioinformatics. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 463-473.   | 2.0 | 4         |
| 5478 | CDCA1/2/3/5/7/8 as novel prognostic biomarkers and CDCA4/6 as potential targets for gastric cancer. <i>Translational Cancer Research</i> , 2021, 10, 3404-3417.  | 1.0 | 4         |
| 5479 | Identification of Potential Signatures and Their Functions for Acute Lymphoblastic Leukemia: A Study Based on the Cancer Genome Atlas. <i>Frontiers in Genetics</i> , 2021, 12, 656042.  | 2.3 | 12        |
| 5480 | Bioinformatics Analysis and Identification of Genes and Molecular Pathways Involved in Venous Thromboembolism (VTE). <i>Annals of Vascular Surgery</i> , 2021, 74, 389-399.  | 0.9 | 2         |
| 5481 | A combined GWAS approach reveals key loci for socially-affected traits in Yorkshire pigs. <i>Communications Biology</i> , 2021, 4, 891.  | 4.4 | 9         |
| 5482 | Identification of the Hub Genes in Alzheimer's Disease. <i>Computational and Mathematical Methods in Medicine</i> , 2021, 2021, 1-8.   | 1.3 | 14        |
| 5483 | Identifying a possible new target for diagnosis and treatment of postmenopausal osteoporosis through bioinformatics and clinical sample analysis. <i>Annals of Translational Medicine</i> , 2021, 9, 1154-1154.                    | 1.7 | 10        |
| 5484 | Persistent proteomic changes in glutamatergic and GABAergic signaling in the amygdala of adolescent rats exposed to chlorpyrifos as juveniles. <i>NeuroToxicology</i> , 2021, 85, 234-244.   | 3.0 | 9         |
| 5485 | Long noncoding RNA LMO7DN inhibits cell proliferation by regulating the cell cycle in lung adenocarcinoma. <i>Pathology Research and Practice</i> , 2021, 223, 153475.   | 2.3 | 1         |
| 5486 | Plasma hsa-miR-19b is a potential LevoDopa therapy marker. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 8715-8724.  | 3.6 | 5         |
| 5487 | Dynamic Observation of Autophagy and Transcriptome Profiles in a Mouse Model of Bleomycin-Induced Pulmonary Fibrosis. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 664913.   | 3.5 | 7         |
| 5488 | Circulating miRNAs in Serum as Biomarkers for Early Diagnosis of Non-small Cell Lung Cancer. <i>Frontiers in Genetics</i> , 2021, 12, 673926.  | 2.3 | 15        |
| 5489 | The Potential Effect of Rhizoma coptidis on Polycystic Ovary Syndrome Based on Network Pharmacology and Molecular Docking. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-12.                        | 1.2 | 5         |
| 5490 | Genome-wide DNA methylation pattern in systemic sclerosis microvascular endothelial cells: Identification of epigenetically affected key genes and pathways. <i>Journal of Scleroderma and Related Disorders</i> , 2022, 7, 71-81. | 1.7 | 4         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5491 | Usefulness of protein-based salivary markers in the diagnosis of oral potentially malignant disorders: A systematic review and meta-analysis. <i>Cancer Biomarkers</i> , 2021, 32, 411-424.                     | 1.7  | 10        |
| 5492 | Single worm transcriptomics identifies a developmental core network of oscillating genes with deep conservation across nematodes. <i>Genome Research</i> , 2021, 31, 1590-1601.                                 | 5.5  | 18        |
| 5493 | Prognostic significance and oncogene function of cathepsin A in hepatocellular carcinoma. <i>Scientific Reports</i> , 2021, 11, 14611.  | 3.3  | 13        |
| 5494 | Signature of prognostic epithelial-mesenchymal transition related long noncoding RNAs (ERLs) in hepatocellular carcinoma. <i>Medicine (United States)</i> , 2021, 100, e26762.                                  | 1.0  | 8         |
| 5495 | A ubiquitin-like protein encoded by the noncoding RNA TINCR promotes keratinocyte proliferation and wound healing. <i>PLoS Genetics</i> , 2021, 17, e1009686.   | 3.5  | 11        |
| 5496 | Identification of Long Non-Coding RNAs Involved in Porcine Fat Deposition Using Two High-Throughput Sequencing Methods. <i>Genes</i> , 2021, 12, 1374.  | 2.4  | 6         |
| 5497 | Microarray Analysis Revealed Inflammatory Transcriptomic Changes after LSL60101 Treatment in 5XFAD Mice Model. <i>Genes</i> , 2021, 12, 1315.   | 2.4  | 1         |
| 5498 | Multilevel systems biology analysis of lung transcriptomics data identifies key miRNAs and potential miRNA target genes for SARS-CoV-2 infection. <i>Computers in Biology and Medicine</i> , 2021, 135, 104570. | 7.0  | 31        |
| 5499 | Heparanase is a novel biomarker for immune infiltration and prognosis in breast cancer. <i>Aging</i> , 2021, 13, 20836-20852.   | 3.1  | 9         |
| 5500 | Comprehensive investigation of RNA-seq dataset reveals the hub genes and molecular mechanisms of coronavirus disease 2019 acute respiratory distress syndrome. <i>IET Systems Biology</i> , 2021, 15, 205-218.  | 1.5  | 4         |
| 5501 | Exosomal lncRNA TCONS_00064356 derived from injured alveolar epithelial type II cells affects the biological characteristics of mesenchymal stem cells. <i>Life Sciences</i> , 2021, 278, 119568.               | 4.3  | 6         |
| 5502 | The signal transducer CD24 suppresses the germ cell program and promotes an ectodermal rather than mesodermal cell fate in embryonal carcinomas. <i>Molecular Oncology</i> , 2022, 16, 982-1008.                | 4.6  | 10        |
| 5503 | Mapping the genetic architecture of human traits to cell types in the kidney identifies mechanisms of disease and potential treatments. <i>Nature Genetics</i> , 2021, 53, 1322-1333.                           | 21.4 | 87        |
| 5504 | The Alterations and Potential Roles of MCMs in Breast Cancer. <i>Journal of Oncology</i> , 2021, 2021, 1-17.  | 1.3  | 11        |
| 5505 | Excavating the pathogenic gene of breast cancer based on high throughput data of tumor and somatic reprogramming. <i>Cell Cycle</i> , 2021, 20, 1708-1722.  | 2.6  | 0         |
| 5506 | Comparative transcriptome analyses reveal genes associated with SARS-CoV-2 infection of human lung epithelial cells. <i>Scientific Reports</i> , 2021, 11, 16212.   | 3.3  | 15        |
| 5507 | <i>Porphyromonas gingivalis</i> (W83) Infection Induces Alzheimer's Disease-Like Pathophysiology in Obese and Diabetic Mice. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 1259-1275.                       | 2.6  | 9         |
| 5508 | RNA Sequence Profiling Reveals Unique Immune and Metabolic Features of Breast Cancer Brain Metastases. <i>Frontiers in Oncology</i> , 2021, 11, 679262.   | 2.8  | 4         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 5509 | Screening and Identification of Key Biomarkers of Gastric Cancer: Three Genes Jointly Predict Gastric Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 591893.   | 2.8 | 4         |
| 5510 | Transcriptomic Analyses of the Adenoma-Carcinoma Sequence Identify Hallmarks Associated With the Onset of Colorectal Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 704531.                                    | 2.8 | 12        |
| 5511 | RSPH14 regulates the proliferation, cell cycle progression, and apoptosis of nonâ€small cell lung cancer cells. <i>FEBS Open Bio</i> , 2021, 11, 2715-2726.   | 2.3 | 0         |
| 5512 | Serum proteomics reveals disorder of lipoprotein metabolism in sepsis. <i>Life Science Alliance</i> , 2021, 4, e202101091.   | 2.8 | 4         |
| 5513 | Application of Weighted Gene Coexpression Network Analysis to Identify Key Modules and Hub Genes in Systemic Juvenile Idiopathic Arthritis. <i>BioMed Research International</i> , 2021, 2021, 1-13.             | 1.9 | 4         |
| 5515 | 20th International Workshop on Data Mining in Bioinformatics (BIOKDD 2021). , 2021, , .  |     | 0         |
| 5516 | Integrated multi-omics analysis of RB-loss identifies widespread cellular programming and synthetic weaknesses. <i>Communications Biology</i> , 2021, 4, 977.  | 4.4 | 1         |
| 5517 | <i>In-Silico</i> Analysis of Differentially Expressed Genes and Their Regulating microRNA Involved in Lymph Node Metastasis in Invasive Breast Carcinoma. <i>Cancer Investigation</i> , 2022, 40, 55-72.         | 1.3 | 4         |
| 5518 | Global analysis of lysine acetylation in soybean leaves. <i>Scientific Reports</i> , 2021, 11, 17858.  | 3.3 | 11        |
| 5519 | Integrative Analysis of the Roles of lncRNAs and mRNAs in Itaconate-Mediated Protection Against Liver Ischemia-Reperfusion Injury in Mice. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 4519-4536. | 3.5 | 5         |
| 5520 | METTL3 Is Involved in the Development of Gravesâ€™ Disease by Inducing SOCS mRNA m6A Modification. <i>Frontiers in Endocrinology</i> , 2021, 12, 666393.   | 3.5 | 7         |
| 5521 | Genomic and functional evidence reveals convergent evolution in fishes on the Tibetan Plateau. <i>Molecular Ecology</i> , 2021, 30, 5752-5764.   | 3.9 | 10        |
| 5522 | Metabolomic Investigation of Synergistic Mechanism for Fangfeng Extract Preventing LPS Induced Neuroinflammation in BV-2 Microglia Cells. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8155.                | 2.5 | 1         |
| 5523 | Prognostic value and immune infiltration of a novel stromal/immune score-related P2RY12 in lung adenocarcinoma microenvironment. <i>International Immunopharmacology</i> , 2021, 98, 107734.                     | 3.8 | 5         |
| 5524 | Integrative Predictive Modeling of Metastasis in Melanoma Cancer Based on MicroRNA, mRNA, and DNA Methylation Data. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 637355.                                 | 3.5 | 5         |
| 5525 | Identification of Prognostic Genes for Colon Cancer through Gene Co-expression Network Analysis. <i>Current Medical Science</i> , 2021, 41, 1012-1022.   | 1.8 | 3         |
| 5526 | Identification of Key Genes Associated With the Process of Hepatitis B Inflammation and Cancer Transformation by Integrated Bioinformatics Analysis. <i>Frontiers in Genetics</i> , 2021, 12, 654517.            | 2.3 | 8         |
| 5527 | Identification of LINC00173 in Myasthenia Gravis by Integration Analysis of Aberrantly Methylated-Differentially Expressed Genes and ceRNA Networks. <i>Frontiers in Genetics</i> , 2021, 12, 726751.            | 2.3 | 5         |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5528 | Traditional Chinese Medicine (TCM) in the treatment of COVID-19 and other viral infections: Efficacies and mechanisms. , 2021, 225, 107843.   |      | 258       |
| 5529 | Variants of candidate genes associated with the risk of obstructive sleep apnea. European Journal of Clinical Investigation, 2022, 52, e13673.  | 3.4  | 9         |
| 5530 | Identification of Key Candidate Genes and Chemical Perturbagens in Diabetic Kidney Disease Using Integrated Bioinformatics Analysis. Frontiers in Endocrinology, 2021, 12, 721202.  | 3.5  | 8         |
| 5531 | Decrypting the role of predicted SARS-CoV-2 miRNAs in COVID-19 pathogenesis: A bioinformatics approach. Computers in Biology and Medicine, 2021, 136, 104669.   | 7.0  | 16        |
| 5532 | Air pollution-induced epigenetic changes: disease development and a possible link with hypersensitivity pneumonitis. Environmental Science and Pollution Research, 2021, 28, 55981-56002.   | 5.3  | 24        |
| 5533 | Uncovering the pharmacological mechanisms of Xijiao Dihuang decoction combined with Yinqiao powder in treating influenza viral pneumonia by an integrative pharmacology strategy. Biomedicine and Pharmacotherapy, 2021, 141, 111676.                   | 5.6  | 11        |
| 5534 | Identification of a miRNA-mRNA Regulatory Networks in Placental Tissue Associated With Tibetan High Altitude Adaptation. Frontiers in Genetics, 2021, 12, 671119.   | 2.3  | 3         |
| 5535 | Immune Mechanism, Gene Module, and Molecular Subtype Identification of Astragalus Membranaceus in the Treatment of Dilated Cardiomyopathy: An Integrated Bioinformatics Study. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-29. | 1.2  | 1         |
| 5536 | The Emerging Plasticizer Alternative DINCH and Its Metabolite MINCH Induce Oxidative Stress and Enhance Inflammatory Responses in Human THP-1 Macrophages. Cells, 2021, 10, 2367.   | 4.1  | 18        |
| 5537 | Analysis of the Composition and Anti-Rheumatoid Arthritis Mechanism of Qintengtongbi Decoction Based on Network Pharmacology. Natural Product Communications, 2021, 16, 1934578X2110414.  | 0.5  | 1         |
| 5538 | Identification of Gene Signature as Diagnostic and Prognostic Blood Biomarker for Early Hepatocellular Carcinoma Using Integrated Cross-Species Transcriptomic and Network Analyses. Frontiers in Genetics, 2021, 12, 710049.                           | 2.3  | 6         |
| 5539 | SRSF protein kinase 1 modulates RAN translation and suppresses CGG repeat toxicity. EMBO Molecular Medicine, 2021, 13, e14163.  | 6.9  | 17        |
| 5540 | Integrated Profiling Identifies PLOD3 as a Potential Prognostic and Immunotherapy Relevant Biomarker in Colorectal Cancer. Frontiers in Immunology, 2021, 12, 722807.   | 4.8  | 14        |
| 5541 | PlantGSAD: a comprehensive gene set annotation database for plant species. Nucleic Acids Research, 2022, 50, D1456-D1467.   | 14.5 | 20        |
| 5542 | Hub Genes and Key Pathways of Intervertebral Disc Degeneration: Bioinformatics Analysis and Validation. BioMed Research International, 2021, 2021, 1-10.  | 1.9  | 5         |
| 5543 | Blood lead levels in Peruvian adults are associated with proximity to mining and DNA methylation. Environment International, 2021, 155, 106587.   | 10.0 | 13        |
| 5544 | Exploring the synergistic mechanism of Gegen Qinlian Decoction on the Wnt signaling pathway using an integrated strategy of network pharmacology and RNA-seq. Journal of Ethnopharmacology, 2021, 278, 114283.  | 4.1  | 9         |
| 5545 | The role of alcohol dehydrogenase 1C in regulating inflammatory responses in ulcerative colitis. Biochemical Pharmacology, 2021, 192, 114691.   | 4.4  | 8         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 5546 | Network pharmacological analysis of ethanol extract of <i>Morus alba</i> linne in the treatment of type 2 diabetes mellitus. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103384.  | 4.9  | 4         |
| 5547 | MiR-145 regulates steroidogenesis in mouse primary granulosa cells through targeting Crkl. <i>Life Sciences</i> , 2021, 282, 119820.  | 4.3  | 5         |
| 5548 | Dysfunctional activity of classical DNA end-joining renders acquired resistance to carboplatin in human ovarian cancer cells. <i>Cancer Letters</i> , 2021, 520, 267-280.   | 7.2  | 7         |
| 5549 | Amyloid beta acts synergistically as a pro-inflammatory cytokine. <i>Neurobiology of Disease</i> , 2021, 159, 105493.   | 4.4  | 29        |
| 5550 | The induction of a mesenchymal phenotype by platelet cloaking of cancer cells is a universal phenomenon. <i>Translational Oncology</i> , 2021, 14, 101229.  | 3.7  | 6         |
| 5551 | Database for annotation, visualisation and integrated discovery. , 2022, , 177-185.   |      | 0         |
| 5552 | Exploring the Active Components of Simotang Oral Liquid and Their Potential Mechanism of Action on Gastrointestinal Disorders by Integrating Ultrahigh-Pressure Liquid Chromatography Coupled with Linear Ion Trap-Orbitrap Analysis and Network Pharmacology. <i>ACS Omega</i> , 2021, 6, 2354-2366. | 3.5  | 6         |
| 5553 | Human Pumilio proteins directly bind the CCR4-NOT deadenylase complex to regulate the transcriptome. <i>Rna</i> , 2021, 27, 445-464.  | 3.5  | 32        |
| 5554 | High Expression of RhoF Predicts Worse Overall Survival: A Potential Therapeutic Target for non-M3 Acute Myeloid Leukemia. <i>Journal of Cancer</i> , 2021, 12, 5530-5542.  | 2.5  | 3         |
| 5555 | Construction of a TF-miRNA-gene feed-forward loop network predicts biomarkers and potential drugs for myasthenia gravis. <i>Scientific Reports</i> , 2021, 11, 2416.  | 3.3  | 15        |
| 5556 | The Identification of a Novel Fucosidosis-Associated FUCA1 Mutation: A Case of a 5-Year-Old Polish Girl with Two Additional Rare Chromosomal Aberrations and Affected DNA Methylation Patterns. <i>Genes</i> , 2021, 12, 74.  | 2.4  | 3         |
| 5557 | Global Lysine Acetylation and 2-Hydroxyisobutyrylation Profiling Reveals the Metabolism Conversion Mechanism in <i>Giardia lamblia</i> . <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100043.   | 3.8  | 7         |
| 5558 | Identification of key genes and pathways in scleral extracellular matrix remodeling in glaucoma: Potential therapeutic agents discovered using bioinformatics analysis. <i>International Journal of Medical Sciences</i> , 2021, 18, 1554-1565.   | 2.5  | 13        |
| 5559 | Smad3 deficiency promotes beta cell proliferation and function in <i>db/db</i> mice <i>via</i> restoring Pax6 expression. <i>Theranostics</i> , 2021, 11, 2845-2859.  | 10.0 | 16        |
| 5560 | Screening differentially expressed genes between endometriosis and ovarian cancer to find new biomarkers for endometriosis. <i>Annals of Medicine</i> , 2021, 53, 1377-1389.  | 3.8  | 17        |
| 5561 | Identification of PARP-7 substrates reveals a role for MARYlation in microtubule control in ovarian cancer cells. <i>ELife</i> , 2021, 10, .  | 6.0  | 39        |
| 5562 | Genomics and molecular analysis of RPL9 and LIAS in lung cancer: Emerging implications in carcinogenesis. <i>Informatics in Medicine Unlocked</i> , 2021, 25, 100698.   | 3.4  | 1         |
| 5563 | A systematic study on the chemical diversity and efficacy of the inflorescence and succulent stem of <i>Cynomorium songaricum</i> . <i>Food and Function</i> , 2021, 12, 7501-7513.   | 4.6  | 6         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 5564 | PDX1LOW MAFALOW $\beta^2$ -cells contribute to islet function and insulin release. Nature Communications, 2021, 12, 674.   | 12.8 | 51        |
| 5565 | Transcriptome Analysis Identifies Altered Biological Processes and Novel Markers in Human Immunodeficiency Virus-1 Long-Term Non-Progressors. Infection and Chemotherapy, 2021, 53, 489. | 2.3  | 2         |
| 5568 | miRâ€“26a attenuates cardiac apoptosis and fibrosis by targeting ataxiaâ€“telangiectasia mutated in myocardial infarction. Journal of Cellular Physiology, 2020, 235, 6085-6102.         | 4.1  | 36        |
| 5570 | Comparative Metabolic Network Flux Analysis to Identify Differences in Cellular Metabolism. Methods in Molecular Biology, 2020, 2088, 223-269.   | 0.9  | 4         |
| 5571 | Cancer Prevention in Populations High At-Risk for the Development of Oral Cancer: Clinical Trials with Black Raspberries. , 2011, , 259-280.   |      | 2         |
| 5572 | High-Throughput Translational Medicine: Challenges and Solutions. Advances in Experimental Medicine and Biology, 2014, 799, 39-67.   | 1.6  | 7         |
| 5573 | Transcriptomics Using Axolotls. Methods in Molecular Biology, 2015, 1290, 309-319.   | 0.9  | 2         |
| 5574 | Systems Analysis for Interpretation of Phosphoproteomics Data. Methods in Molecular Biology, 2016, 1355, 341-360.  | 0.9  | 15        |
| 5575 | RNA Systems Biology for Cancer: From Diagnosis to Therapy. Methods in Molecular Biology, 2016, 1386, 305-330.  | 0.9  | 1         |
| 5576 | Bioinformatics Methods to Deduce Biological Interpretation from Proteomics Data. Methods in Molecular Biology, 2017, 1549, 147-161.  | 0.9  | 2         |
| 5577 | Microarray Data Analysis. Methods in Molecular Biology, 2007, 377, 1-16.   | 0.9  | 9         |
| 5578 | BiblioSphere â€” Hypothesis Generation in Regulatory Network Analysis. , 2009, , 401-412.  |      | 2         |
| 5579 | Gene Expression Mining in Type 2 Diabetes Research. Methods in Molecular Biology, 2009, 560, 263-271.  | 0.9  | 2         |
| 5580 | Association Analysis for Large-Scale Gene Set Data. Methods in Molecular Biology, 2007, 408, 19-33.  | 0.9  | 9         |
| 5581 | Algorithms and Methods for Correlating Experimental Results with Annotation Databases. Methods in Molecular Biology, 2010, 593, 315-340.   | 0.9  | 2         |
| 5582 | Data Processing and Analysis for Protein Microarrays. Methods in Molecular Biology, 2011, 723, 337-347.  | 0.9  | 14        |
| 5583 | BiNGS!SL-seq: A Bioinformatics Pipeline for the Analysis and Interpretation of Deep Sequencing Genome-Wide Synthetic Lethal Screen. Methods in Molecular Biology, 2012, 802, 389-398.    | 0.9  | 28        |
| 5584 | What Is the Transcriptome and How it is Evaluated?. , 2014, , 3-48.  |      | 5         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 5585 | Concentration-dependent toxicogenomic changes of silver nanoparticles in hepatocyte-like cells derived from human induced pluripotent stem cells. <i>Cell Biology and Toxicology</i> , 2021, 37, 245-259.                  | 5.3 | 7         |
| 5586 | Targeting Mitogen-Activated Protein Kinase Signaling in Mouse Models of Cardiomyopathy Caused by Lamin A/C Gene Mutations. <i>Methods in Enzymology</i> , 2016, 568, 557-580.  | 1.0 | 16        |
| 5587 | Genome-wide identification and characterization of long non-coding RNAs involved in acquired resistance to gefitinib in non-small-cell lung cancer. <i>Computational Biology and Chemistry</i> , 2020, 87, 107288.         | 2.3 | 5         |
| 5588 | Identifying of miR-98-5p/IGF1 axis contributes breast cancer progression using comprehensive bioinformatic analyses methods and experiments validation. <i>Life Sciences</i> , 2020, 261, 118435.                          | 4.3 | 8         |
| 5592 | Transcriptomes of cochlear inner and outer hair cells from adult mice. <i>Scientific Data</i> , 2018, 5, 180199.   | 5.3 | 101       |
| 5593 | Protein Quantification by MRM for Biomarker Validation. <i>New Developments in Mass Spectrometry</i> , 2014, , 277-315.  | 0.2 | 2         |
| 5594 | Functional insights into the cellular response triggered by a bile-acid platinum compound conjugated to biocompatible ferric nanoparticles using quantitative proteomic approaches. <i>Nanoscale</i> , 2017, 9, 9960-9972. | 5.6 | 11        |
| 5595 | Identification and verification of three key genes associated with survival and prognosis of COAD patients via integrated bioinformatics analysis. <i>Bioscience Reports</i> , 2020, 40, .                                 | 2.4 | 13        |
| 5596 | Sex diversity in proximal tubule and endothelial gene expression in mice with ischemic acute kidney injury. <i>Clinical Science</i> , 2020, 134, 1887-1909.  | 4.3 | 21        |
| 5597 | Visual gene network analysis of aging-specific gene co-expression in human indicates overlaps with immuno-pathological regulations. <i>4open</i> , 2018, 1, 4.   | 0.4 | 2         |
| 5598 | Development of an immune-related prognostic index associated with osteosarcoma. <i>Bioengineered</i> , 2021, 12, 172-182.  | 3.2 | 12        |
| 5599 | Comparative Transcriptional Analysis of Embryoid Body Versus Two-Dimensional Differentiation of Murine Embryonic Stem Cells. <i>Tissue Engineering - Part A</i> , 2008, .  | 3.1 | 1         |
| 5600 | Patterns and processes of human life history evolution. , 2011, , 153-168.   |     | 24        |
| 5601 | Identification of crucial genes correlated with esophageal cancer by integrated high-throughput data analysis. <i>Medicine (United States)</i> , 2020, 99, e20340.   | 1.0 | 13        |
| 5626 | The proteome of red cell membranes and vesicles during storage in blood bank conditions. <i>Transfusion</i> , 2008, 48, 827-835.   | 1.6 | 99        |
| 5627 | A Systematic, Data-driven Approach to the Combined Analysis of Microarray and QTL Data. <i>Developments in Biologicals</i> , 2008, 132, 293-299.   | 0.5 | 3         |
| 5628 | Vitreous Modulation of Gene Expression in Low-Passage Human Retinal Pigment Epithelial Cells. , 2007, 48, 1853.  |     | 15        |
| 5629 | IFN regulatory factorâ€“8 expression in macrophages governs an antimetastatic program. <i>JCI Insight</i> , 2019, 4, .   | 5.0 | 30        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5630 | Functional significance of the discordance between transcriptional profile and left ventricular structure/function during reverse remodeling. JCI Insight, 2016, 1, e86038.   | 5.0 | 33        |
| 5631 | Super-enhancers maintain renin-expressing cell identity and memory to preserve multi-system homeostasis. Journal of Clinical Investigation, 2018, 128, 4787-4803.   | 8.2 | 41        |
| 5632 | uPAR isoform 2 forms a dimer and induces severe kidney disease in mice. Journal of Clinical Investigation, 2019, 129, 1946-1959.  | 8.2 | 48        |
| 5633 | Brain somatic mutations in MTOR reveal translational dysregulations underlying intractable focal epilepsy. Journal of Clinical Investigation, 2019, 129, 4207-4223.   | 8.2 | 45        |
| 5634 | Epigenetic driver mutations in ARID1A shape cancer immune phenotype and immunotherapy. Journal of Clinical Investigation, 2020, 130, 2712-2726.   | 8.2 | 112       |
| 5635 | Eotaxin-3 and a uniquely conserved gene-expression profile in eosinophilic esophagitis. Journal of Clinical Investigation, 2006, 116, 536-547.  | 8.2 | 750       |
| 5636 | Calcineurin/Nfat signaling is required for perinatal lung maturation and function. Journal of Clinical Investigation, 2006, 116, 2597-2609.   | 8.2 | 47        |
| 5637 | Activation of MAPK pathways links LMNA mutations to cardiomyopathy in Emery-Dreifuss muscular dystrophy. Journal of Clinical Investigation, 2007, 117, 1282-1293.   | 8.2 | 256       |
| 5638 | Gene expression analysis in pregnant women and their infants identifies unique fetal biomarkers that circulate in maternal blood. Journal of Clinical Investigation, 2007, 117, 3007-3019.  | 8.2 | 53        |
| 5639 | B cell activator PAX5 promotes lymphomagenesis through stimulation of B cell receptor signaling. Journal of Clinical Investigation, 2007, 117, 2602-2610.   | 8.2 | 37        |
| 5640 | Increased local expression of coagulation factor X contributes to the fibrotic response in human and murine lung injury. Journal of Clinical Investigation, 2009, 119, 2550-63.   | 8.2 | 251       |
| 5641 | Global genomic analysis reveals rapid control of a robust innate response in SIV-infected sooty mangabeys. Journal of Clinical Investigation, 2009, 119, 3556-72.   | 8.2 | 351       |
| 5642 | Cardiac fibrosis in mice with hypertrophic cardiomyopathy is mediated by non-myocyte proliferation and requires Tgf- $\beta$ 2. Journal of Clinical Investigation, 2010, 120, 3520-3529.  | 8.2 | 372       |
| 5643 | A metabolic prosurvival role for PML in breast cancer. Journal of Clinical Investigation, 2012, 122, 3088-3100.   | 8.2 | 220       |
| 5644 | Zinc transporter Slc39a8 is essential for cardiac ventricular compaction. Journal of Clinical Investigation, 2018, 128, 826-833.  | 8.2 | 39        |
| 5646 | Gene Expression Profiling of Sporadic Parkinson's Disease Substantia Nigra Pars Compacta Reveals Impairment of Ubiquitin-Proteasome Subunits, SKP1A, Aldehyde Dehydrogenase, and Chaperone HSC-70. Annals of the New York Academy of Sciences, 2005, 1053, 356-375. | 3.8 | 136       |
| 5647 | Identification of Transcriptional Factors and Key Genes in Primary Osteoporosis by DNA Microarray. Medical Science Monitor, 2015, 21, 1333-1344.  | 1.1 | 32        |
| 5648 | Screening of Target Genes and Regulatory Function of miRNAs as Prognostic Indicators for Prostate Cancer. Medical Science Monitor, 2015, 21, 3748-3759.   | 1.1 | 29        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5649 | Five miRNAs Considered as Molecular Targets for Predicting Esophageal Cancer. Medical Science Monitor, 2015, 21, 3222-3230.   | 1.1 | 21        |
| 5650 | Identification of CD20, ECM, and ITGA as Biomarkers for Osteosarcoma by Integrating Transcriptome Analysis. Medical Science Monitor, 2016, 22, 2075-2085.   | 1.1 | 11        |
| 5651 | Clinical Value of miR-101-3p and Biological Analysis of its Prospective Targets in Breast Cancer: A Study Based on The Cancer Genome Atlas (TCGA) and Bioinformatics. Medical Science Monitor, 2017, 23, 1857-1871. | 1.1 | 25        |
| 5652 | Identification of Key Genes in Colorectal Cancer Regulated by miR-34a. Medical Science Monitor, 2017, 23, 5735-5743.  | 1.1 | 17        |
| 5653 | Impact of Colon-Specific DNA Methylation-Regulated Gene Modules on Colorectal Cancer Patient Survival. Medical Science Monitor, 2019, 25, 3549-3557.  | 1.1 | 5         |
| 5654 | Differentially Expressed Gene Screening, Biological Function Enrichment, and Correlation with Prognosis in Non-Small Cell Lung Cancer. Medical Science Monitor, 2019, 25, 4333-4341.                                | 1.1 | 5         |
| 5655 | Identification of Hub Genes and Pathways in Gastric Adenocarcinoma Based on Bioinformatics Analysis. Medical Science Monitor, 2020, 26, e920261.  | 1.1 | 18        |
| 5656 | LYN, a Key Gene From Bioinformatics Analysis, Contributes to Development and Progression of Esophageal Adenocarcinoma. Medical Science Monitor Basic Research, 2015, 21, 253-261.                                   | 2.6 | 87        |
| 5657 | Constellation Map: Downstream visualization and interpretation of gene set enrichment results. F1000Research, 2015, 4, 167.   | 1.6 | 3         |
| 5658 | GOSummaries: an R Package for Visual Functional Annotation of Experimental Data. F1000Research, 2015, 4, 574.   | 1.6 | 86        |
| 5659 | Associations between joint effusion in the knee and gene expression levels in the circulation: a meta-analysis. F1000Research, 2016, 5, 109.  | 1.6 | 6         |
| 5660 | Single-Cell-Based Analysis Highlights a Surge in Cell-to-Cell Molecular Variability Preceding Irreversible Commitment in a Differentiation Process. PLoS Biology, 2016, 14, e1002585.                               | 5.6 | 220       |
| 5661 | Evolutionary and Topological Properties of Genes and Community Structures in Human Gene Regulatory Networks. PLoS Computational Biology, 2016, 12, e1005009.  | 3.2 | 9         |
| 5662 | Identification of Entry Factors Involved in Hepatitis C Virus Infection Based on Host-Mimicking Short Linear Motifs. PLoS Computational Biology, 2017, 13, e1005368.  | 3.2 | 8         |
| 5663 | Automated deconvolution of structured mixtures from heterogeneous tumor genomic data. PLoS Computational Biology, 2017, 13, e1005815.   | 3.2 | 8         |
| 5664 | Circadian Clock Genes Contribute to the Regulation of Hair Follicle Cycling. PLoS Genetics, 2009, 5, e1000573.  | 3.5 | 146       |
| 5665 | Population-Based Resequencing of Experimentally Evolved Populations Reveals the Genetic Basis of Body Size Variation in Drosophila melanogaster. PLoS Genetics, 2011, 7, e1001336.                                  | 3.5 | 265       |
| 5666 | Selection for long and short sleep duration in Drosophila melanogaster reveals the complex genetic network underlying natural variation in sleep. PLoS Genetics, 2017, 13, e1007098.                                | 3.5 | 43        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5667 | Dissecting Inflammatory Complications in Critically Injured Patients by Within-Patient Gene Expression Changes: A Longitudinal Clinical Genomics Study. PLoS Medicine, 2011, 8, e1001093. | 8.4 | 51        |
| 5668 | Global Identification of Myc Target Genes Reveals Its Direct Role in Mitochondrial Biogenesis and Its E-Box Usage In Vivo. PLoS ONE, 2008, 3, e1798.                                      | 2.5 | 197       |
| 5669 | Identification of a Common Gene Expression Response in Different Lung Inflammatory Diseases in Rodents and Macaques. PLoS ONE, 2008, 3, e2596.  | 2.5 | 42        |
| 5670 | Altered Metabolism of Growth Hormone Receptor Mutant Mice: A Combined NMR Metabonomics and Microarray Study. PLoS ONE, 2008, 3, e2764.  | 2.5 | 43        |
| 5671 | Identify Alternative Splicing Events Based on Position-Specific Evolutionary Conservation. PLoS ONE, 2008, 3, e2806.  | 2.5 | 24        |
| 5672 | Preservation of Genes Involved in Sterol Metabolism in Cholesterol Auxotrophs: Facts and Hypotheses. PLoS ONE, 2008, 3, e2883.  | 2.5 | 48        |
| 5673 | Improved Elucidation of Biological Processes Linked to Diabetic Nephropathy by Single Probe-Based Microarray Data Analysis. PLoS ONE, 2008, 3, e2937.                                     | 2.5 | 69        |
| 5674 | Transcriptome-Wide Assessment of Human Brain and Lymphocyte Senescence. PLoS ONE, 2008, 3, e3024.   | 2.5 | 60        |
| 5675 | The Evolving Transcriptome of Head and Neck Squamous Cell Carcinoma: A Systematic Review. PLoS ONE, 2008, 3, e3215.   | 2.5 | 61        |
| 5676 | Different Transcriptional Control of Metabolism and Extracellular Matrix in Visceral and Subcutaneous Fat of Obese and Rimonabant Treated Mice. PLoS ONE, 2008, 3, e3385.                 | 2.5 | 20        |
| 5677 | A Molecular Function Map of Ewing's Sarcoma. PLoS ONE, 2009, 4, e5415.  | 2.5 | 158       |
| 5678 | Detection of Transgenerational Spermatogenic Inheritance of Adult Male Acquired CNS Gene Expression Characteristics Using a Drosophila Systems Model. PLoS ONE, 2009, 4, e5763.           | 2.5 | 26        |
| 5679 | A Genome Scan for Positive Selection in Thoroughbred Horses. PLoS ONE, 2009, 4, e5767.  | 2.5 | 123       |
| 5680 | Identification of a Putative Network of Actin-Associated Cytoskeletal Proteins in Glomerular Podocytes Defined by Co-Purified mRNAs. PLoS ONE, 2009, 4, e6491.                            | 2.5 | 12        |
| 5681 | Global Brain Gene Expression Analysis Links Glutamatergic and GABAergic Alterations to Suicide and Major Depression. PLoS ONE, 2009, 4, e6585.  | 2.5 | 333       |
| 5682 | Correlating Global Gene Regulation to Angiogenesis in the Developing Chick Extra-Embryonic Vascular System. PLoS ONE, 2009, 4, e7856.   | 2.5 | 56        |
| 5683 | Gene Expression Profiling during Early Acute Febrile Stage of Dengue Infection Can Predict the Disease Outcome. PLoS ONE, 2009, 4, e7892.   | 2.5 | 77        |
| 5684 | An Epigenetic Signature in Peripheral Blood Predicts Active Ovarian Cancer. PLoS ONE, 2009, 4, e8274.   | 2.5 | 291       |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5685 | 3â€²-End Sequencing for Expression Quantification (3SEQ) from Archival Tumor Samples. PLoS ONE, 2010, 5, e8768.   | 2.5 | 123       |
| 5686 | Genome-Wide Analysis of Binding Sites and Direct Target Genes of the Orphan Nuclear Receptor NR2F1/COUP-TFI. PLoS ONE, 2010, 5, e8910.  | 2.5 | 41        |
| 5687 | Lack of nAChR Activity Depresses Cochlear Maturation and Up-Regulates GABA System Components: Temporal Profiling of Gene Expression in Î±9 Null Mice. PLoS ONE, 2010, 5, e9058. | 2.5 | 19        |
| 5688 | Gene Expression Profiling and Network Analysis Reveals Lipid and Steroid Metabolism to Be the Most Favored by TNFÎ± in HepG2 Cells. PLoS ONE, 2010, 5, e9063.                   | 2.5 | 14        |
| 5689 | In Vitro Fertilization and Embryo Culture Strongly Impact the Placental Transcriptome in the Mouse Model. PLoS ONE, 2010, 5, e9218.   | 2.5 | 75        |
| 5690 | Cardiac Deletion of Smyd2 Is Dispensable for Mouse Heart Development. PLoS ONE, 2010, 5, e9748.   | 2.5 | 63        |
| 5691 | Dissecting Interferon-Induced Transcriptional Programs in Human Peripheral Blood Cells. PLoS ONE, 2010, 5, e9753.   | 2.5 | 134       |
| 5692 | Mutations in CHMP2B in Lower Motor Neuron Predominant Amyotrophic Lateral Sclerosis (ALS). PLoS ONE, 2010, 5, e9872.  | 2.5 | 204       |
| 5693 | A Study of the Influence of Sex on Genome Wide Methylation. PLoS ONE, 2010, 5, e10028.  | 2.5 | 217       |
| 5694 | A Data Integration Approach to Mapping OCT4 Gene Regulatory Networks Operative in Embryonic Stem Cells and Embryonal Carcinoma Cells. PLoS ONE, 2010, 5, e10709.                | 2.5 | 81        |
| 5695 | Acetaminophen Modulates the Transcriptional Response to Recombinant Interferon-Î². PLoS ONE, 2010, 5, e11031.   | 2.5 | 16        |
| 5696 | A Comparative Analysis of Extra-Embryonic Endoderm Cell Lines. PLoS ONE, 2010, 5, e12016.   | 2.5 | 47        |
| 5697 | Transcription Profiling of Epstein-Barr Virus Nuclear Antigen (EBNA)-1 Expressing Cells Suggests Targeting of Chromatin Remodeling Complexes. PLoS ONE, 2010, 5, e12052.        | 2.5 | 23        |
| 5698 | Sex-Related Differences in Gene Expression Following Coxiella burnetii Infection in Mice: Potential Role of Circadian Rhythm. PLoS ONE, 2010, 5, e12190.                        | 2.5 | 36        |
| 5699 | The Proneural Molecular Signature Is Enriched in Oligodendrogliomas and Predicts Improved Survival among Diffuse Gliomas. PLoS ONE, 2010, 5, e12548.                            | 2.5 | 125       |
| 5700 | Identification of Novel p53 Pathway Activating Small-Molecule Compounds Reveals Unexpected Similarities with Known Therapeutic Agents. PLoS ONE, 2010, 5, e12996.               | 2.5 | 77        |
| 5701 | Identification of Genetic and Epigenetic Marks Involved in Population Structure. PLoS ONE, 2010, 5, e13209.   | 2.5 | 38        |
| 5702 | eXtraembryonic ENdoderm (XEN) Stem Cells Produce Factors that Activate Heart Formation. PLoS ONE, 2010, 5, e13446.  | 2.5 | 35        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5703 | A Comparative Analysis of Gene-Expression Data of Multiple Cancer Types. PLoS ONE, 2010, 5, e13696.   | 2.5 | 31        |
| 5704 | The LARGE Principle of Cellular Reprogramming: Lost, Acquired and Retained Gene Expression in Foreskin and Amniotic Fluid-Derived Human iPS Cells. PLoS ONE, 2010, 5, e13703.   | 2.5 | 61        |
| 5705 | Dual DNA Methylation Patterns in the CNS Reveal Developmentally Poised Chromatin and Monoallelic Expression of Critical Genes. PLoS ONE, 2010, 5, e13843.                       | 2.5 | 23        |
| 5706 | Amplification of the 20q Chromosomal Arm Occurs Early in Tumorigenic Transformation and May Initiate Cancer. PLoS ONE, 2011, 6, e14632.   | 2.5 | 69        |
| 5707 | Analysis of Common and Specific Mechanisms of Liver Function Affected by Nitrotoluene Compounds. PLoS ONE, 2011, 6, e14662.   | 2.5 | 33        |
| 5708 | Global Expression of Cell Surface Proteins in Embryonic Stem Cells. PLoS ONE, 2010, 5, e15795.  | 2.5 | 33        |
| 5709 | A Key Role for Poly(ADP-Ribose) Polymerase 3 in Ectodermal Specification and Neural Crest Development. PLoS ONE, 2011, 6, e15834.   | 2.5 | 17        |
| 5710 | A Widespread Distribution of Genomic CeMyoD Binding Sites Revealed and Cross Validated by ChIP-Chip and ChIP-Seq Techniques. PLoS ONE, 2010, 5, e15898.                         | 2.5 | 24        |
| 5711 | Characterization of the Contradictory Chromatin Signatures at the 3' Exons of Zinc Finger Genes. PLoS ONE, 2011, 6, e17121.   | 2.5 | 64        |
| 5712 | Genomic and Proteomic Analysis of the Impact of Mitotic Quiescence on the Engraftment of Human CD34+ Cells. PLoS ONE, 2011, 6, e17498.  | 2.5 | 8         |
| 5713 | Do Two Machine-Learning Based Prognostic Signatures for Breast Cancer Capture the Same Biological Processes?. PLoS ONE, 2011, 6, e17795.  | 2.5 | 35        |
| 5714 | Adjunctive Dexamethasone Affects the Expression of Genes Related to Inflammation, Neurogenesis and Apoptosis in Infant Rat Pneumococcal Meningitis. PLoS ONE, 2011, 6, e17840.  | 2.5 | 23        |
| 5715 | Microarray Analysis Uncovers a Role for Tip60 in Nervous System Function and General Metabolism. PLoS ONE, 2011, 6, e18412.   | 2.5 | 45        |
| 5716 | A Mighty Small Heart: The Cardiac Proteome of Adult Drosophila melanogaster. PLoS ONE, 2011, 6, e18497.   | 2.5 | 81        |
| 5717 | Small Molecule Amiloride Modulates Oncogenic RNA Alternative Splicing to Devitalize Human Cancer Cells. PLoS ONE, 2011, 6, e18643.  | 2.5 | 53        |
| 5718 | Genome-Wide DNA Methylation Analysis Reveals Phytoestrogen Modification of Promoter Methylation Patterns during Embryonic Stem Cell Differentiation. PLoS ONE, 2011, 6, e19278. | 2.5 | 26        |
| 5719 | Proteomic Analyses Reveal Common Promiscuous Patterns of Cell Surface Proteins on Human Embryonic Stem Cells and Sperms. PLoS ONE, 2011, 6, e19386.                             | 2.5 | 37        |
| 5720 | Methylation Profile of Single Hepatocytes Derived from Hepatitis B Virus-Related Hepatocellular Carcinoma. PLoS ONE, 2011, 6, e19862.   | 2.5 | 59        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5721 | Gene Expression Profiling and Association with Prion-Related Lesions in the Medulla Oblongata of Symptomatic Natural Scrapie Animals. PLoS ONE, 2011, 6, e19909.                  | 2.5 | 19        |
| 5722 | GLI1 Confers Profound Phenotypic Changes upon LNCaP Prostate Cancer Cells That Include the Acquisition of a Hormone Independent State. PLoS ONE, 2011, 6, e20271.                 | 2.5 | 11        |
| 5723 | Deep Sequencing Reveals Novel MicroRNAs and Regulation of MicroRNA Expression during Cell Senescence. PLoS ONE, 2011, 6, e20509.  | 2.5 | 73        |
| 5724 | Genome-Wide Analysis Reveals a Major Role in Cell Fate Maintenance and an Unexpected Role in Endoreduplication for the Drosophila FoxA Gene Fork Head. PLoS ONE, 2011, 6, e20901. | 2.5 | 21        |
| 5725 | The Cycad Genotoxin MAM Modulates Brain Cellular Pathways Involved in Neurodegenerative Disease and Cancer in a DNA Damage-Linked Manner. PLoS ONE, 2011, 6, e20911.              | 2.5 | 57        |
| 5726 | Expression Profiling of FSHD-1 and FSHD-2 Cells during Myogenic Differentiation Evidences Common and Distinctive Gene Dysregulation Patterns. PLoS ONE, 2011, 6, e20966.          | 2.5 | 39        |
| 5727 | E-Cadherin Acts as a Regulator of Transcripts Associated with a Wide Range of Cellular Processes in Mouse Embryonic Stem Cells. PLoS ONE, 2011, 6, e21463.                        | 2.5 | 26        |
| 5728 | The Use of Genome-Wide eQTL Associations in Lymphoblastoid Cell Lines to Identify Novel Genetic Pathways Involved in Complex Traits. PLoS ONE, 2011, 6, e22070.                   | 2.5 | 36        |
| 5729 | Association between Genetic Subgroups of Pancreatic Ductal Adenocarcinoma Defined by High Density 500 K SNP-Arrays and Tumor Histopathology. PLoS ONE, 2011, 6, e22315.           | 2.5 | 16        |
| 5730 | The Collagen Chaperone HSP47 Is a New Interactor of APP that Affects the Levels of Extracellular Beta-Amyloid Peptides. PLoS ONE, 2011, 6, e22370.                                | 2.5 | 11        |
| 5731 | Whole Genome Expression Array Profiling Highlights Differences in Mucosal Defense Genes in Barrett's Esophagus and Esophageal Adenocarcinoma. PLoS ONE, 2011, 6, e22513.          | 2.5 | 36        |
| 5732 | Transcriptome Analysis of Epithelial and Stromal Contributions to Mammogenesis in Three Week Prepartum Cows. PLoS ONE, 2011, 6, e22541.   | 2.5 | 15        |
| 5733 | SEAS: A System for SEED-Based Pathway Enrichment Analysis. PLoS ONE, 2011, 6, e22556.   | 2.5 | 8         |
| 5734 | Differential Effects of Prenatal Stress in 5-Htt Deficient Mice: Towards Molecular Mechanisms of Gene × Environment Interactions. PLoS ONE, 2011, 6, e22715.                      | 2.5 | 75        |
| 5735 | Modulation of Androgen Receptor Signaling in Hormonal Therapy-Resistant Prostate Cancer Cell Lines. PLoS ONE, 2011, 6, e23144.  | 2.5 | 46        |
| 5736 | Transcriptomic Analysis Brings New Insight into the Biological Role of the Prion Protein during Mouse Embryogenesis. PLoS ONE, 2011, 6, e23253.                                   | 2.5 | 22        |
| 5737 | Transcriptional Profiling of Human Liver Identifies Sex-Biased Genes Associated with Polygenic Dyslipidemia and Coronary Artery Disease. PLoS ONE, 2011, 6, e23506.               | 2.5 | 143       |
| 5738 | Disease Gene Interaction Pathways: A Potential Framework for How Disease Genes Associate by Disease-Risk Modules. PLoS ONE, 2011, 6, e24495.                                      | 2.5 | 7         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 5739 | Pattern Specification and Immune Response Transcriptional Signatures of Pericardial and Subcutaneous Adipose Tissue. PLoS ONE, 2011, 6, e26092.                                | 2.5 | 6         |
| 5740 | The Leukemia-Specific Fusion Gene ETV6/RUNX1 Perturbs Distinct Key Biological Functions Primarily by Gene Repression. PLoS ONE, 2011, 6, e26348.                               | 2.5 | 43        |
| 5741 | Strain-Dependent Host Transcriptional Responses to Toxoplasma Infection Are Largely Conserved in Mammalian and Avian Hosts. PLoS ONE, 2011, 6, e26369.                         | 2.5 | 20        |
| 5742 | Differential Expression of Extracellular Matrix-Mediated Pathways in Single-Suture Craniosynostosis. PLoS ONE, 2011, 6, e26557.  | 2.5 | 34        |
| 5743 | Deep Sequencing of MYC DNA-Binding Sites in Burkitt Lymphoma. PLoS ONE, 2011, 6, e26837.   | 2.5 | 90        |
| 5744 | Replication and Virus-Induced Transcriptome of HAdV-5 in Normal Host Cells versus Cancer Cells - Differences of Relevance for Adenoviral Oncolysis. PLoS ONE, 2011, 6, e27934. | 2.5 | 8         |
| 5745 | TRAF6 and IRF7 Control HIV Replication in Macrophages. PLoS ONE, 2011, 6, e28125.  | 2.5 | 41        |
| 5746 | Comparing Statistical Methods for Constructing Large Scale Gene Networks. PLoS ONE, 2012, 7, e29348.   | 2.5 | 156       |
| 5747 | A Comparative Study of Gene-Expression Data of Basal Cell Carcinoma and Melanoma Reveals New Insights about the Two Cancers. PLoS ONE, 2012, 7, e30750.                        | 2.5 | 21        |
| 5748 | Unraveling the Global microRNAome Responses to Ionizing Radiation in Human Embryonic Stem Cells. PLoS ONE, 2012, 7, e31028.  | 2.5 | 30        |
| 5749 | Functional Complexity of the Axonal Growth Cone: A Proteomic Analysis. PLoS ONE, 2012, 7, e31858.  | 2.5 | 48        |
| 5750 | Cellular Phenotype-Dependent and -Independent Effects of Vitamin C on the Renewal and Gene Expression of Mouse Embryonic Fibroblasts. PLoS ONE, 2012, 7, e32957.               | 2.5 | 11        |
| 5751 | Comparison of Muscle Transcriptome between Pigs with Divergent Meat Quality Phenotypes Identifies Genes Related to Muscle Metabolism and Structure. PLoS ONE, 2012, 7, e33763. | 2.5 | 80        |
| 5752 | Systematic Identification of Spontaneous Preterm Birth-Associated RNA Transcripts in Maternal Plasma. PLoS ONE, 2012, 7, e34328.   | 2.5 | 43        |
| 5753 | Involvement of microRNA Lethal-7a in the Regulation of Embryo Implantation in Mice. PLoS ONE, 2012, 7, e37039.   | 2.5 | 72        |
| 5754 | De-Novo Transcriptome Sequencing of a Normalized cDNA Pool from Influenza Infected Ferrets. PLoS ONE, 2012, 7, e37104.   | 2.5 | 13        |
| 5755 | High Accuracy Mutation Detection in Leukemia on a Selected Panel of Cancer Genes. PLoS ONE, 2012, 7, e38463.   | 2.5 | 58        |
| 5756 | $\gamma$ -H2AX Kinetics as a Novel Approach to High Content Screening for Small Molecule Radiosensitizers. PLoS ONE, 2012, 7, e38465.  | 2.5 | 24        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5757 | Effect of Irradiation on Cell Transcriptome and Proteome of Rat Submandibular Salivary Glands. PLoS ONE, 2012, 7, e40636.   | 2.5 | 8         |
| 5758 | Proteomic and Systems Biology Analysis of Monocytes Exposed to Securinine, a GABAA Receptor Antagonist and Immune Adjuvant. PLoS ONE, 2012, 7, e41278.  | 2.5 | 12        |
| 5759 | Expression Changes in the Stroma of Prostate Cancer Predict Subsequent Relapse. PLoS ONE, 2012, 7, e41371.  | 2.5 | 38        |
| 5760 | Mig-6 Plays a Critical Role in the Regulation of Cholesterol Homeostasis and Bile Acid Synthesis. PLoS ONE, 2012, 7, e42915.  | 2.5 | 24        |
| 5761 | Identification of Thalidomide-Specific Transcriptomics and Proteomics Signatures during Differentiation of Human Embryonic Stem Cells. PLoS ONE, 2012, 7, e44228.   | 2.5 | 83        |
| 5762 | Differential Gene and MicroRNA Expression between Etoposide Resistant and Etoposide Sensitive MCF7 Breast Cancer Cell Lines. PLoS ONE, 2012, 7, e45268.   | 2.5 | 27        |
| 5763 | Transient Scrotal Hyperthermia Induces Lipid Droplet Accumulation and Reveals a Different ADFP Expression Pattern between the Testes and Liver in Mice. PLoS ONE, 2012, 7, e45694.                        | 2.5 | 21        |
| 5764 | Genome-Wide Scan for Bats and Dolphin to Detect Their Genetic Basis for New Locomotive Styles. PLoS ONE, 2012, 7, e46455.   | 2.5 | 6         |
| 5765 | Integrative Analysis Reveals Relationships of Genetic and Epigenetic Alterations in Osteosarcoma. PLoS ONE, 2012, 7, e48262.  | 2.5 | 87        |
| 5766 | Prediction of C. elegans Longevity Genes by Human and Worm Longevity Networks. PLoS ONE, 2012, 7, e48282.   | 2.5 | 49        |
| 5767 | Nuclear RNA Sequencing of the Mouse Erythroid Cell Transcriptome. PLoS ONE, 2012, 7, e49274.  | 2.5 | 35        |
| 5768 | The Molecular Profiles of Neural Stem Cell Niche in the Adult Subventricular Zone. PLoS ONE, 2012, 7, e50501.   | 2.5 | 63        |
| 5769 | Ablation of the Cardiac-Specific Gene Leucine-Rich Repeat Containing 10 (Lrrc10) Results in Dilated Cardiomyopathy. PLoS ONE, 2012, 7, e51621.  | 2.5 | 37        |
| 5770 | Pathway Correlation Profile of Gene-Gene Co-Expression for Identifying Pathway Perturbation. PLoS ONE, 2012, 7, e52127.   | 2.5 | 16        |
| 5771 | Functional Comparison of Chronological and In Vitro Aging: Differential Role of the Cytoskeleton and Mitochondria in Mesenchymal Stromal Cells. PLoS ONE, 2012, 7, e52700.                                | 2.5 | 150       |
| 5772 | Analysis of Gene Expression Profiling in Meningioma: Deregulated Signaling Pathways Associated with Meningioma and EGFL6 Overexpression in Benign Meningioma Tissue and Serum. PLoS ONE, 2012, 7, e52707. | 2.5 | 64        |
| 5773 | Proline: The Distribution, Frequency, Positioning, and Common Functional Roles of Proline and Polyproline Sequences in the Human Proteome. PLoS ONE, 2013, 8, e53785.                                     | 2.5 | 203       |
| 5774 | Characterization of Transcriptional Changes in ERG Rearrangement-Positive Prostate Cancer Identifies the Regulation of Metabolic Sensors Such as Neuropeptide Y. PLoS ONE, 2013, 8, e55207.               | 2.5 | 32        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 5775 | Differences in X-Chromosome Transcriptional Activity and Cholesterol Metabolism between Placentae from Swine Breeds from Asian and Western Origins. PLoS ONE, 2013, 8, e55345.                       | 2.5 | 37        |
| 5776 | N-Glycoproteome of E14.Tg2a Mouse Embryonic Stem Cells. PLoS ONE, 2013, 8, e55722.   | 2.5 | 18        |
| 5777 | Transcriptomic Profiling of Human Peritumoral Neocortex Tissues Revealed Genes Possibly Involved in Tumor-Induced Epilepsy. PLoS ONE, 2013, 8, e56077.   | 2.5 | 20        |
| 5778 | Differential Effects of Drug Interventions and Dietary Lifestyle in Developing Type 2 Diabetes and Complications: A Systems Biology Analysis in LDLr <sup>-/-</sup> Mice. PLoS ONE, 2013, 8, e56122. | 2.5 | 18        |
| 5779 | Cell-Type-Specific Predictive Network Yields Novel Insights into Mouse Embryonic Stem Cell Self-Renewal and Cell Fate. PLoS ONE, 2013, 8, e56810.  | 2.5 | 11        |
| 5780 | Transcriptome Analysis of Proximal Tubular Cells (HK-2) Exposed to Urines of Type 1 Diabetes Patients at Risk of Early Progressive Renal Function Decline. PLoS ONE, 2013, 8, e57751.                | 2.5 | 5         |
| 5781 | Gene Expression Profile Analysis of Type 2 Diabetic Mouse Liver. PLoS ONE, 2013, 8, e57766.  | 2.5 | 37        |
| 5782 | Discovery of Cellular Proteins Required for the Early Steps of HCV Infection Using Integrative Genomics. PLoS ONE, 2013, 8, e60333.  | 2.5 | 17        |
| 5783 | miRNA Biogenesis Enzyme Drosha Is Required for Vascular Smooth Muscle Cell Survival. PLoS ONE, 2013, 8, e60888.  | 2.5 | 31        |
| 5784 | Textrousl: Extracting Semantic Textual Meaning from Gene Sets. PLoS ONE, 2013, 8, e62665.  | 2.5 | 23        |
| 5785 | Differential Distribution of the Ca (2+) Regulator Pcp4 in the Branchial Arches Is Regulated by Hoxa2. PLoS ONE, 2013, 8, e63160.  | 2.5 | 2         |
| 5786 | Comparative Transcriptome Analysis of Adipose Tissues Reveals that ECM-Receptor Interaction Is Involved in the Depot-Specific Adipogenesis in Cattle. PLoS ONE, 2013, 8, e66267.                     | 2.5 | 89        |
| 5787 | Gene Expression Profiles of Metabolic Aggressiveness and Tumor Recurrence in Benign Meningioma. PLoS ONE, 2013, 8, e67291.   | 2.5 | 28        |
| 5788 | Transcriptomic Analysis of Insulin-Sensitive Tissues from Anti-Diabetic Drug Treated ZDF Rats, a T2DM Animal Model. PLoS ONE, 2013, 8, e69624.   | 2.5 | 4         |
| 5789 | Candidate Transcriptomic Sources of Inbreeding Depression in Drosophila melanogaster. PLoS ONE, 2013, 8, e70067.   | 2.5 | 5         |
| 5790 | Biphasic Functional Regulation in Hippocampus of Rat with Chronic Cerebral Hypoperfusion Induced by Permanent Occlusion of Bilateral Common Carotid Artery. PLoS ONE, 2013, 8, e70093.               | 2.5 | 34        |
| 5791 | Visual Search of Neuropil-Enriched RNAs from Brain In Situ Hybridization Data through the Image Analysis Pipeline Hippo-ATESC. PLoS ONE, 2013, 8, e74481.  | 2.5 | 9         |
| 5792 | AQP9 Expression in Glioblastoma Multiforme Tumors Is Limited to a Small Population of Astrocytic Cells and CD15+/CalB+ Leukocytes. PLoS ONE, 2013, 8, e75764.  | 2.5 | 29        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5793 | Comparison of Cellular and Transcriptional Responses to 1,25-Dihydroxyvitamin D3 and Glucocorticoids in Peripheral Blood Mononuclear Cells. PLoS ONE, 2013, 8, e76643.  | 2.5 | 9         |
| 5794 | Extension of Life Span by Impaired Glucose Metabolism in <i>Caenorhabditis elegans</i> Is Accompanied by Structural Rearrangements of the Transcriptomic Network. PLoS ONE, 2013, 8, e77776.  | 2.5 | 18        |
| 5795 | Proteomic Changes during B Cell Maturation: 2D-DIGE Approach. PLoS ONE, 2013, 8, e77894.  | 2.5 | 7         |
| 5796 | Mechanistic Phenotypes: An Aggregative Phenotyping Strategy to Identify Disease Mechanisms Using GWAS Data. PLoS ONE, 2013, 8, e81503.  | 2.5 | 15        |
| 5797 | Identification of GRB2 and GAB1 Coexpression as an Unfavorable Prognostic Factor for Hepatocellular Carcinoma by a Combination of Expression Profile and Network Analysis. PLoS ONE, 2013, 8, e85170.   | 2.5 | 60        |
| 5798 | The Prolyl Isomerase Pin1 Regulates mRNA Levels of Genes with Short Half-Lives by Targeting Specific RNA Binding Proteins. PLoS ONE, 2014, 9, e85427.   | 2.5 | 28        |
| 5799 | Growth Factor Priming Differentially Modulates Components of the Extracellular Matrix Proteome in Chondrocytes and Synovium-Derived Stem Cells. PLoS ONE, 2014, 9, e88053.  | 2.5 | 22        |
| 5800 | Regulation of <i>Drosophila</i> Eye Development by the Transcription Factor <i>Sine oculis</i> . PLoS ONE, 2014, 9, e89695.   | 2.5 | 29        |
| 5801 | High-Frequency Stimulation of the Subthalamic Nucleus Counteracts Cortical Expression of Major Histocompatibility Complex Genes in a Rat Model of Parkinson's Disease. PLoS ONE, 2014, 9, e91663.   | 2.5 | 7         |
| 5802 | The Andean Adaptive Toolkit to Counteract High Altitude Maladaptation: Genome-Wide and Phenotypic Analysis of the Collas. PLoS ONE, 2014, 9, e93314.  | 2.5 | 55        |
| 5803 | The SLE Transcriptome Exhibits Evidence of Chronic Endotoxin Exposure and Has Widespread Dysregulation of Non-Coding and Coding RNAs. PLoS ONE, 2014, 9, e93846.  | 2.5 | 109       |
| 5804 | Comparison of the Gene Expression Profiles of Human Fetal Cortical Astrocytes with Pluripotent Stem Cell Derived Neural Stem Cells Identifies Human Astrocyte Markers and Signaling Pathways and Transcription Factors Active in Human Astrocytes. PLoS ONE, 2014, 9, e96139. | 2.5 | 31        |
| 5805 | Integration of Molecular Profiling and Chemical Imaging to Elucidate Fibroblast-Microenvironment Impact on Cancer Cell Phenotype and Endocrine Resistance in Breast Cancer. PLoS ONE, 2014, 9, e96878.  | 2.5 | 36        |
| 5806 | Integrated Proteomics Identified Up-Regulated Focal Adhesion-Mediated Proteins in Human Squamous Cell Carcinoma in an Orthotopic Murine Model. PLoS ONE, 2014, 9, e98208.   | 2.5 | 10        |
| 5807 | Investigation of Pathogenic Genes in Peri-Implantitis from Implant Clustering Failure Patients: A Whole-Exome Sequencing Pilot Study. PLoS ONE, 2014, 9, e99360.  | 2.5 | 20        |
| 5808 | biDCC: A New Method for Discovering Global Features of DNA Microarray Data via an Iterative Re-Clustering Procedure. PLoS ONE, 2014, 9, e102445.  | 2.5 | 4         |
| 5809 | Whole Proteome Analysis of Mouse Lymph Nodes in Cutaneous Anthrax. PLoS ONE, 2014, 9, e110873.  | 2.5 | 10        |
| 5810 | Comparative Transcriptome Analysis Reveals Early Pregnancy-Specific Genes Expressed in Peripheral Blood of Pregnant Sows. PLoS ONE, 2014, 9, e114036.   | 2.5 | 19        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5811 | Natural Variation in Fish Transcriptomes: Comparative Analysis of the Fathead Minnow ( <i>Pimephales</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5  | 2.5 | 14        |
| 5812 | Hepatic Farnesoid X-Receptor Isoforms $\hat{1}\pm 2$ and $\hat{1}\pm 4$ Differentially Modulate Bile Salt and Lipoprotein Metabolism in Mice. PLoS ONE, 2014, 9, e115028.                   | 2.5 | 30        |
| 5813 | CD14 and Complement Crosstalk and Largely Mediate the Transcriptional Response to <i>Escherichia coli</i> in Human Whole Blood as Revealed by DNA Microarray. PLoS ONE, 2015, 10, e0117261. | 2.5 | 16        |
| 5814 | Stromal Transcriptional Profiles Reveal Hierarchies of Anatomical Site, Serum Response and Disease and Identify Disease Specific Pathways. PLoS ONE, 2015, 10, e0120917.                    | 2.5 | 12        |
| 5815 | Exploring the Genetic Signature of Body Size in Yucatan Miniature Pig. PLoS ONE, 2015, 10, e0121732.  | 2.5 | 38        |
| 5816 | Effective Population Size, Extended Linkage Disequilibrium and Signatures of Selection in the Rare Dog Breed Lundehund. PLoS ONE, 2015, 10, e0122680.                                       | 2.5 | 21        |
| 5817 | The Transcriptome Signature of the Receptive Bovine Uterus Determined at Early Gestation. PLoS ONE, 2015, 10, e0122874.   | 2.5 | 35        |
| 5818 | Comprehensive Analysis of Glycolytic Enzymes as Therapeutic Targets in the Treatment of Glioblastoma. PLoS ONE, 2015, 10, e0123544.   | 2.5 | 101       |
| 5819 | Adaptation of a Bioinformatics Microarray Analysis Workflow for a Toxicogenomic Study in Rainbow Trout. PLoS ONE, 2015, 10, e0128598.   | 2.5 | 5         |
| 5820 | Lung Transcriptomics during Protective Ventilatory Support in Sepsis-Induced Acute Lung Injury. PLoS ONE, 2015, 10, e0132296.   | 2.5 | 20        |
| 5821 | Mechanism of Cisplatin-Induced Cytotoxicity Is Correlated to Impaired Metabolism Due to Mitochondrial ROS Generation. PLoS ONE, 2015, 10, e0135083.   | 2.5 | 210       |
| 5822 | Meta-Analysis of Large-Scale Toxicogenomic Data Finds Neuronal Regeneration Related Protein and Cathepsin D to Be Novel Biomarkers of Drug-Induced Toxicity. PLoS ONE, 2015, 10, e0136698.  | 2.5 | 16        |
| 5823 | Kinase Identification with Supervised Laplacian Regularized Least Squares. PLoS ONE, 2015, 10, e0139676.  | 2.5 | 5         |
| 5824 | Kelch Domain of Gigaxonin Interacts with Intermediate Filament Proteins Affected in Giant Axonal Neuropathy. PLoS ONE, 2015, 10, e0140157.  | 2.5 | 24        |
| 5825 | Integrated Analysis Reveals together miR-182, miR-200c and miR-221 Can Help in the Diagnosis of Prostate Cancer. PLoS ONE, 2015, 10, e0140862.  | 2.5 | 7         |
| 5826 | From System-Wide Differential Gene Expression to Perturbed Regulatory Factors: A Combinatorial Approach. PLoS ONE, 2015, 10, e0142147.  | 2.5 | 2         |
| 5827 | CardioGenBase: A Literature Based Multi-Omics Database for Major Cardiovascular Diseases. PLoS ONE, 2015, 10, e0143188.   | 2.5 | 23        |
| 5828 | Transcriptome Analysis of Honeybee ( <i>Apis Mellifera</i> ) Haploid and Diploid Embryos Reveals Early Zygotic Transcription during Cleavage. PLoS ONE, 2016, 11, e0146447.                 | 2.5 | 43        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 5829 | Meta-Analysis of Transcriptional Responses to Mastitis-Causing <i>Escherichia coli</i> . PLoS ONE, 2016, 11, e0148562.   | 2.5 | 21        |
| 5830 | Meta-Analysis of Tumor Stem-Like Breast Cancer Cells Using Gene Set and Network Analysis. PLoS ONE, 2016, 11, e0148818.  | 2.5 | 15        |
| 5831 | Experimental Neuromyelitis Optica Induces a Type I Interferon Signature in the Spinal Cord. PLoS ONE, 2016, 11, e0151244.  | 2.5 | 15        |
| 5832 | Efficient Record Linkage Algorithms Using Complete Linkage Clustering. PLoS ONE, 2016, 11, e0154446.   | 2.5 | 20        |
| 5833 | Integrated and Functional Genomics Analysis Validates the Relevance of the Nuclear Variant ErbB380kDa in Prostate Cancer Progression. PLoS ONE, 2016, 11, e0155950.  | 2.5 | 4         |
| 5834 | Genome-Wide Prediction and Analysis of 3D-Domain Swapped Proteins in the Human Genome from Sequence Information. PLoS ONE, 2016, 11, e0159627.   | 2.5 | 5         |
| 5835 | IGSA: Individual Gene Sets Analysis, including Enrichment and Clustering. PLoS ONE, 2016, 11, e0164542.  | 2.5 | 3         |
| 5836 | Identification and Expression Profiling of miRNAome in Goat longissimus dorsi Muscle from Prenatal Stages to a Neonatal Stage. PLoS ONE, 2016, 11, e0165764.   | 2.5 | 39        |
| 5837 | Genome-Wide Detection of Selective Signatures in Chicken through High Density SNPs. PLoS ONE, 2016, 11, e0166146.  | 2.5 | 8         |
| 5838 | <i>Drosophila</i> Genotype Influences Commensal Bacterial Levels. PLoS ONE, 2017, 12, e0170332.  | 2.5 | 42        |
| 5839 | Microarray analysis of embryo-derived bovine pluripotent cells: The vulnerable state of bovine embryonic stem cells. PLoS ONE, 2017, 12, e0173278.   | 2.5 | 6         |
| 5840 | Comparative analysis of genes frequently regulated by drugs based on connectivity map transcriptome data. PLoS ONE, 2017, 12, e0179037.  | 2.5 | 11        |
| 5841 | Titanium biomaterials with complex surfaces induced aberrant peripheral circadian rhythms in bone marrow mesenchymal stromal cells. PLoS ONE, 2017, 12, e0183359.  | 2.5 | 18        |
| 5842 | Single nucleotide polymorphisms at miR-146a/196a2 and their primary ovarian insufficiency-related target gene regulation in granulosa cells. PLoS ONE, 2017, 12, e0183479.   | 2.5 | 18        |
| 5843 | TSS-Seq analysis of low pH-induced gene expression in intercalated cells in the renal collecting duct. PLoS ONE, 2017, 12, e0184185.   | 2.5 | 4         |
| 5844 | Vitamin C alters the amount of specific endoplasmic reticulum associated proteins involved in lipid metabolism in the liver of mice synthesizing a nonfunctional Werner syndrome (Wrn) mutant protein. PLoS ONE, 2018, 13, e0193170. | 2.5 | 9         |
| 5845 | Reprogramming of the estrogen responsive transcriptome contributes to tamoxifen-dependent protection against tumorigenesis in the p53 null mammary epithelial cells. PLoS ONE, 2018, 13, e0194913.                                   | 2.5 | 9         |
| 5846 | Global gene network exploration based on explainable artificial intelligence approach. PLoS ONE, 2020, 15, e0241508.   | 2.5 | 6         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5847 | Dynamic metabolic reprogramming in dendritic cells: An early response to influenza infection that is essential for effector function. <i>PLoS Pathogens</i> , 2020, 16, e1008957.                                 | 4.7 | 13        |
| 5848 | Meta-analysis of 12 genomic studies in bipolar disorder. <i>Journal of Molecular Neuroscience</i> , 2007, 31, 221-243.  | 2.3 | 69        |
| 5849 | Gene Expression Studies for the Development of Particle Therapy. <i>International Journal of Particle Therapy</i> , 2018, 5, 49-59.   | 1.8 | 4         |
| 5850 | Detecting Positive Selection of Korean Native Goat Populations Using Next-Generation Sequencing. <i>Molecules and Cells</i> , 2016, 39, 862-868.  | 2.6 | 13        |
| 5851 | Key pathways in prostate cancer with SPOP mutation identified by bioinformatic analysis. <i>Open Medicine (Poland)</i> , 2020, 15, 1039-1047.   | 1.3 | 2         |
| 5852 | Uterine fluid proteome changes during diapause and resumption of embryo development in roe deer ( <i>Capreolus capreolus</i> ). <i>Reproduction</i> , 2019, 158, 13-24.   | 2.6 | 15        |
| 5853 | Identification of the molecular mechanisms associated with acute type A aortic dissection through bioinformatics methods. <i>Brazilian Journal of Medical and Biological Research</i> , 2019, 52, e8950.          | 1.5 | 11        |
| 5854 | Identification of potential molecular mechanisms and small molecule drugs in myocardial ischemia/reperfusion injury. <i>Brazilian Journal of Medical and Biological Research</i> , 2020, 53, .                    | 1.5 | 6         |
| 5855 | Expressed cDNAs from Embryonic and Larval Stages of the Horn Fly (Diptera: Muscidae). <i>Journal of Medical Entomology</i> , 2008, 45, 686-692.   | 1.8 | 6         |
| 5856 | Computational Biology of Genome Expression and Regulation—A Review of Microarray Bioinformatics. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2008, 27, 157-179.                          | 1.2 | 22        |
| 5857 | MicroRNA expression analysis in endometriotic serum treated mesenchymal stem cells. <i>EXCLI Journal</i> , 2017, 16, 852-867.   | 0.7 | 6         |
| 5858 | PPAR $\beta$ : the dominant regulator among PPARs in dry eye lacrimal gland and diabetic lacrimal gland. <i>International Journal of Ophthalmology</i> , 2020, 13, 860-869.                                       | 1.1 | 8         |
| 5859 | Molecular links between cellular senescence, longevity and age-related diseases “a systems biology perspective. <i>Aging</i> , 2011, 3, 1178-1191.  | 3.1 | 119       |
| 5860 | Prenatal hyperbaric normoxia treatment improves healthspan and regulates chitin metabolic genes in <i>Drosophila melanogaster</i> . <i>Aging</i> , 2016, 8, 2538-2550.  | 3.1 | 5         |
| 5861 | Age-related changes in the gene expression profile of antigen-specific mouse CD8+ T cells can be partially reversed by blockade of the BTLA/CD160 pathways during vaccination. <i>Aging</i> , 2016, 8, 3272-3297. | 3.1 | 4         |
| 5862 | Sirtuin 3 attenuates amyloid- $\beta$ induced neuronal hypometabolism. <i>Aging</i> , 2018, 10, 2874-2883.  | 3.1 | 19        |
| 5863 | ERK1 indicates good prognosis and inhibits breast cancer progression by suppressing YAP1 signaling. <i>Aging</i> , 2019, 11, 12295-12314.   | 3.1 | 16        |
| 5864 | SLC7A2 serves as a potential biomarker and therapeutic target for ovarian cancer. <i>Aging</i> , 2020, 12, 13281-13296.   | 3.1 | 16        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5865 | Identification and validation of an immune-related gene signature predictive of overall survival in colon cancer. Aging, 2020, 12, 26095-26120.   | 3.1 | 35        |
| 5866 | HMGA1 promotes metastatic processes in basal-like breast cancer regulating EMT and stemness. Oncotarget, 2013, 4, 1293-1308.  | 1.8 | 145       |
| 5867 | Blood RNA expression profiles undergo major changes during the seventh decade. Oncotarget, 2016, 7, 71353-71361.  | 1.8 | 1         |
| 5868 | Decreased <i>TRPM7</i> inhibits activities and induces apoptosis of bladder cancer cells via ERK1/2 pathway. Oncotarget, 2016, 7, 72941-72960.  | 1.8 | 60        |
| 5869 | Error-prone DNA polymerase and oxidative stress increase the incidences of A to G mutations in tumors. Oncotarget, 2017, 8, 45154-45163.  | 1.8 | 3         |
| 5870 | Conditionally reprogrammed normal and primary tumor prostate epithelial cells: a novel patient-derived cell model for studies of human prostate cancer. Oncotarget, 2017, 8, 22741-22758. | 1.8 | 51        |
| 5871 | Systemically identifying and prioritizing risk lncRNAs through integration of pan-cancer phenotype associations. Oncotarget, 2017, 8, 12041-12051.  | 1.8 | 12        |
| 5872 | Genome-scale analysis identifies CJB2 and ERO1LB as prognosis markers in patients with pancreatic cancer. Oncotarget, 2017, 8, 21281-21289.   | 1.8 | 49        |
| 5873 | iTRAQ-based quantitative proteomic analysis of Yamanaka factors reprogrammed breast cancer cells. Oncotarget, 2017, 8, 34330-34339.   | 1.8 | 7         |
| 5874 | Lymphoid enhancer binding factor-1 (LEF1) expression as a prognostic factor in adult acute promyelocytic leukemia. Oncotarget, 2014, 5, 649-658.  | 1.8 | 19        |
| 5875 | The highly expressed COL4A1 genes contributes to the proliferation and migration of the invasive ductal carcinomas. Oncotarget, 2017, 8, 58172-58183.                                     | 1.8 | 33        |
| 5876 | Autophagy-related gene expression is an independent prognostic indicator of glioma. Oncotarget, 2017, 8, 60987-61000.   | 1.8 | 28        |
| 5877 | Integrative analysis of novel hypomethylation and gene expression signatures in glioblastomas. Oncotarget, 2017, 8, 89607-89619.  | 1.8 | 19        |
| 5878 | Overexpression of COL3A1 confers a poor prognosis in human bladder cancer identified by co-expression analysis. Oncotarget, 2017, 8, 70508-70520.   | 1.8 | 77        |
| 5879 | Identification of microRNA differentially expressed in three subtypes of non-small cell lung cancer and in silico functional analysis. Oncotarget, 2017, 8, 74554-74566.                  | 1.8 | 20        |
| 5880 | Somatic intronic microsatellite loci differentiate glioblastoma from lower-grade gliomas. Oncotarget, 2014, 5, 6003-6014.   | 1.8 | 11        |
| 5881 | Identification of potential tissue-specific cancer biomarkers and development of cancer versus normal genomic classifiers. Oncotarget, 2017, 8, 85692-85715.                              | 1.8 | 18        |
| 5882 | Differential prioritization of therapies to subtypes of triple negative breast cancer using a systems medicine method. Oncotarget, 2017, 8, 92926-92942.                                  | 1.8 | 6         |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5883 | Î±-Tocopherol succinate enhances pterostilbene anti-tumor activity in human breast cancer cells <i>in vivo</i> and <i>in vitro</i> . <i>Oncotarget</i> , 2018, 9, 4593-4606.  | 1.8 | 23        |
| 5884 | IsomiR expression profiles in human lymphoblastoid cell lines exhibit population and gender dependencies. <i>Oncotarget</i> , 2014, 5, 8790-8802.   | 1.8 | 103       |
| 5885 | Identification of key pathways and genes in response to trastuzumab treatment in breast cancer using bioinformatics analysis. <i>Oncotarget</i> , 2018, 9, 32149-32160.   | 1.8 | 9         |
| 5886 | Somatic mutations in early onset luminal breast cancer. <i>Oncotarget</i> , 2018, 9, 22460-22479.   | 1.8 | 25        |
| 5887 | Molecular profiling and computational network analysis of TAZ-mediated mammary tumorigenesis identifies actionable therapeutic targets. <i>Oncotarget</i> , 2014, 5, 12166-12176.                                     | 1.8 | 24        |
| 5888 | Targeting the non-canonical roles of PCNA modifies and increases the response to targeted anti-cancer therapy. <i>Oncotarget</i> , 2019, 10, 7185-7197.   | 1.8 | 14        |
| 5889 | Epigenetic and oncogenic regulation of SLC16A7 (MCT2) results in protein over-expression, impacting on signalling and cellular phenotypes in prostate cancer. <i>Oncotarget</i> , 2015, 6, 21675-21684.               | 1.8 | 23        |
| 5890 | Virus-encoded microRNA contributes to the molecular profile of EBV-positive Burkitt lymphomas. <i>Oncotarget</i> , 2016, 7, 224-240.  | 1.8 | 33        |
| 5891 | Time-course gene profiling and networks in demethylated retinoblastoma cell line. <i>Oncotarget</i> , 2015, 6, 23688-23707.   | 1.8 | 6         |
| 5892 | Acyl-CoA synthetase-4, a new regulator of mTOR and a potential therapeutic target for enhanced estrogen receptor function in receptor-positive and -negative breast cancer. <i>Oncotarget</i> , 2015, 6, 42632-42650. | 1.8 | 45        |
| 5893 | Genome-wide endogenous DAF-16/FOXO recruitment dynamics during lowered insulin signalling in <i>C. elegans</i> . <i>Oncotarget</i> , 2015, 6, 41418-41433.  | 1.8 | 30        |
| 5894 | MicroRNA-708-5p acts as a therapeutic agent against metastatic lung cancer. <i>Oncotarget</i> , 2016, 7, 2417-2432.   | 1.8 | 50        |
| 5895 | Pathway of PPAR-gamma coactivators in thermogenesis: a pivotal traditional Chinese medicine-associated target for individualized treatment of rheumatoid arthritis. <i>Oncotarget</i> , 2016, 7, 15885-15900.         | 1.8 | 32        |
| 5896 | Cinacalcet inhibits neuroblastoma tumor growth and upregulates cancer-testis antigens. <i>Oncotarget</i> , 2016, 7, 16112-16129.  | 1.8 | 19        |
| 5897 | Age-related changes in the transcriptome of antibody-secreting cells. <i>Oncotarget</i> , 2016, 7, 13340-13353.   | 1.8 | 20        |
| 5898 | Genomic alterations of whole exome sequencing in esophageal squamous cell carcinoma before and after radiotherapy. <i>Journal of Thoracic Disease</i> , 2020, 12, 5945-5957.  | 1.4 | 3         |
| 5899 | Methylation of PLIN5 is a crucial biomarker and is involved in ovarian cancer development. <i>Translational Cancer Research</i> , 2020, 9, 2919-2930.   | 1.0 | 2         |
| 5900 | Differential Network Analysis in Human Cancer Research. <i>Current Pharmaceutical Design</i> , 2014, 20, 4-10.  | 1.9 | 16        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 5901 | Systematic Understanding of the Mechanisms of <i>Flos Chrysanthemi Indici</i> -mediated Effects on Hypertension via Computational Target Fishing. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2020, 23, 92-110.   | 1.1 | 5         |
| 5902 | Identification of Three Differentially Expressed miRNAs as Potential Biomarkers for Lung Adenocarcinoma Prognosis. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2020, 23, 148-156.   | 1.1 | 2         |
| 5903 | Systems Biology Approaches to a Rational Drug Discovery Paradigm. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 1009-1025.  | 2.1 | 25        |
| 5904 | Microarray Data Integration: Frameworks and a List of Underlying Issues. <i>Current Bioinformatics</i> , 2010, 5, 280-289.   | 1.5 | 7         |
| 5905 | A Computational Approach to Identify Novel Potential Precursor miRNAs and their Targets from Hepatocellular Carcinoma Cells. <i>Current Bioinformatics</i> , 2018, 14, 24-32.  | 1.5 | 9         |
| 5906 | Short Gel, Long Gradient Liquid Chromatography Tandem Mass Spectrometry to Investigate the Urine Proteome of Chronic Pancreatitis. <i>The Open Proteomics Journal</i> , 2013, 6, 1-13.   | 0.4 | 8         |
| 5907 | Interferon $\gamma$ -Inducible Protein 27 Computational Network Construction and Comparison between the Frontal Cortex of HIV Encephalitis (HIVE) and HIVE-Control Patients. 2010-04-06-2010-08-05-2010-09-06-. <i>The Open Genomics Journal</i> , 2010, 3, 1-8.   | 0.5 | 20        |
| 5908 | Genistein Modulation of Immune-Associated Genes in LNCaP Prostate Cancer Cell Line. <i>The Open Prostate Cancer Journal</i> , 2012, 5, 1-7.  | 0.4 | 8         |
| 5909 | Methylated MicroRNA Genes of the Developing Murine Palate. <i>MicroRNA (Sharjah, United Arab Emirates)</i> 10: 1-14. 2019-04-01-2019-06-01-2019-08-01-2019-10-01-2019-12-01-2020-02-01-2020-04-01-2020-06-01-2020-08-01-2020-10-01-2020-12-01-2021-02-01-2021-04-01-2021-06-01-2021-08-01-2021-10-01-2021-12-01-2022-02-01-2022-04-01-2022-06-01-2022-08-01-2022-10-01-2022-12-01-2023-02-01-2023-04-01-2023-06-01-2023-08-01-2023-10-01-2023-12-01-2024-02-01-2024-04-01-2024-06-01-2024-08-01-2024-10-01-2024-12-01-2025-02-01-2025-04-01-2025-06-01-2025-08-01-2025-10-01-2025-12-01-2026-02-01-2026-04-01-2026-06-01-2026-08-01-2026-10-01-2026-12-01-2027-02-01-2027-04-01-2027-06-01-2027-08-01-2027-10-01-2027-12-01-2028-02-01-2028-04-01-2028-06-01-2028-08-01-2028-10-01-2028-12-01-2029-02-01-2029-04-01-2029-06-01-2029-08-01-2029-10-01-2029-12-01-2030-02-01-2030-04-01-2030-06-01-2030-08-01-2030-10-01-2030-12-01-2031-02-01-2031-04-01-2031-06-01-2031-08-01-2031-10-01-2031-12-01-2032-02-01-2032-04-01-2032-06-01-2032-08-01-2032-10-01-2032-12-01-2033-02-01-2033-04-01-2033-06-01-2033-08-01-2033-10-01-2033-12-01-2034-02-01-2034-04-01-2034-06-01-2034-08-01-2034-10-01-2034-12-01-2035-02-01-2035-04-01-2035-06-01-2035-08-01-2035-10-01-2035-12-01-2036-02-01-2036-04-01-2036-06-01-2036-08-01-2036-10-01-2036-12-01-2037-02-01-2037-04-01-2037-06-01-2037-08-01-2037-10-01-2037-12-01-2038-02-01-2038-04-01-2038-06-01-2038-08-01-2038-10-01-2038-12-01-2039-02-01-2039-04-01-2039-06-01-2039-08-01-2039-10-01-2039-12-01-2040-02-01-2040-04-01-2040-06-01-2040-08-01-2040-10-01-2040-12-01-2041-02-01-2041-04-01-2041-06-01-2041-08-01-2041-10-01-2041-12-01-2042-02-01-2042-04-01-2042-06-01-2042-08-01-2042-10-01-2042-12-01-2043-02-01-2043-04-01-2043-06-01-2043-08-01-2043-10-01-2043-12-01-2044-02-01-2044-04-01-2044-06-01-2044-08-01-2044-10-01-2044-12-01-2045-02-01-2045-04-01-2045-06-01-2045-08-01-2045-10-01-2045-12-01-2046-02-01-2046-04-01-2046-06-01-2046-08-01-2046-10-01-2046-12-01-2047-02-01-2047-04-01-2047-06-01-2047-08-01-2047-10-01-2047-12-01-2048-02-01-2048-04-01-2048-06-01-2048-08-01-2048-10-01-2048-12-01-2049-02-01-2049-04-01-2049-06-01-2049-08-01-2049-10-01-2049-12-01-2050-02-01-2050-04-01-2050-06-01-2050-08-01-2050-10-01-2050-12-01-2051-02-01-2051-04-01-2051-06-01-2051-08-01-2051-10-01-2051-12-01-2052-02-01-2052-04-01-2052-06-01-2052-08-01-2052-10-01-2052-12-01-2053-02-01-2053-04-01-2053-06-01-2053-08-01-2053-10-01-2053-12-01-2054-02-01-2054-04-01-2054-06-01-2054-08-01-2054-10-01-2054-12-01-2055-02-01-2055-04-01-2055-06-01-2055-08-01-2055-10-01-2055-12-01-2056-02-01-2056-04-01-2056-06-01-2056-08-01-2056-10-01-2056-12-01-2057-02-01-2057-04-01-2057-06-01-2057-08-01-2057-10-01-2057-12-01-2058-02-01-2058-04-01-2058-06-01-2058-08-01-2058-10-01-2058-12-01-2059-02-01-2059-04-01-2059-06-01-2059-08-01-2059-10-01-2059-12-01-2060-02-01-2060-04-01-2060-06-01-2060-08-01-2060-10-01-2060-12-01-2061-02-01-2061-04-01-2061-06-01-2061-08-01-2061-10-01-2061-12-01-2062-02-01-2062-04-01-2062-06-01-2062-08-01-2062-10-01-2062-12-01-2063-02-01-2063-04-01-2063-06-01-2063-08-01-2063-10-01-2063-12-01-2064-02-01-2064-04-01-2064-06-01-2064-08-01-2064-10-01-2064-12-01-2065-02-01-2065-04-01-2065-06-01-2065-08-01-2065-10-01-2065-12-01-2066-02-01-2066-04-01-2066-06-01-2066-08-01-2066-10-01-2066-12-01-2067-02-01-2067-04-01-2067-06-01-2067-08-01-2067-10-01-2067-12-01-2068-02-01-2068-04-01-2068-06-01-2068-08-01-2068-10-01-2068-12-01-2069-02-01-2069-04-01-2069-06-01-2069-08-01-2069-10-01-2069-12-01-2070-02-01-2070-04-01-2070-06-01-2070-08-01-2070-10-01-2070-12-01-2071-02-01-2071-04-01-2071-06-01-2071-08-01-2071-10-01-2071-12-01-2072-02-01-2072-04-01-2072-06-01-2072-08-01-2072-10-01-2072-12-01-2073-02-01-2073-04-01-2073-06-01-2073-08-01-2073-10-01-2073-12-01-2074-02-01-2074-04-01-2074-06-01-2074-08-01-2074-10-01-2074-12-01-2075-02-01-2075-04-01-2075-06-01-2075-08-01-2075-10-01-2075-12-01-2076-02-01-2076-04-01-2076-06-01-2076-08-01-2076-10-01-2076-12-01-2077-02-01-2077-04-01-2077-06-01-2077-08-01-2077-10-01-2077-12-01-2078-02-01-2078-04-01-2078-06-01-2078-08-01-2078-10-01-2078-12-01-2079-02-01-2079-04-01-2079-06-01-2079-08-01-2079-10-01-2079-12-01-2080-02-01-2080-04-01-2080-06-01-2080-08-01-2080-10-01-2080-12-01-2081-02-01-2081-04-01-2081-06-01-2081-08-01-2081-10-01-2081-12-01-2082-02-01-2082-04-01-2082-06-01-2082-08-01-2082-10-01-2082-12-01-2083-02-01-2083-04-01-2083-06-01-2083-08-01-2083-10-01-2083-12-01-2084-02-01-2084-04-01-2084-06-01-2084-08-01-2084-10-01-2084-12-01-2085-02-01-2085-04-01-2085-06-01-2085-08-01-2085-10-01-2085-12-01-2086-02-01-2086-04-01-2086-06-01-2086-08-01-2086-10-01-2086-12-01-2087-02-01-2087-04-01-2087-06-01-2087-08-01-2087-10-01-2087-12-01-2088-02-01-2088-04-01-2088-06-01-2088-08-01-2088-10-01-2088-12-01-2089-02-01-2089-04-01-2089-06-01-2089-08-01-2089-10-01-2089-12-01-2090-02-01-2090-04-01-2090-06-01-2090-08-01-2090-10-01-2090-12-01-2091-02-01-2091-04-01-2091-06-01-2091-08-01-2091-10-01-2091-12-01-2092-02-01-2092-04-01-2092-06-01-2092-08-01-2092-10-01-2092-12-01-2093-02-01-2093-04-01-2093-06-01-2093-08-01-2093-10-01-2093-12-01-2094-02-01-2094-04-01-2094-06-01-2094-08-01-2094-10-01-2094-12-01-2095-02-01-2095-04-01-2095-06-01-2095-08-01-2095-10-01-2095-12-01-2096-02-01-2096-04-01-2096-06-01-2096-08-01-2096-10-01-2096-12-01-2097-02-01-2097-04-01-2097-06-01-2097-08-01-2097-10-01-2097-12-01-2098-02-01-2098-04-01-2098-06-01-2098-08-01-2098-10-01-2098-12-01-2099-02-01-2099-04-01-2099-06-01-2099-08-01-2099-10-01-2099-12-01-2100-02-01-2100-04-01-2100-06-01-2100-08-01-2100-10-01-2100-12-01-2101-02-01-2101-04-01-2101-06-01-2101-08-01-2101-10-01-2101-12-01-2102-02-01-2102-04-01-2102-06-01-2102-08-01-2102-10-01-2102-12-01-2103-02-01-2103-04-01-2103-06-01-2103-08-01-2103-10-01-2103-12-01-2104-02-01-2104-04-01-2104-06-01-2104-08-01-2104-10-01-2104-12-01-2105-02-01-2105-04-01-2105-06-01-2105-08-01-2105-10-01-2105-12-01-2106-02-01-2106-04-01-2106-06-01-2106-08-01-2106-10-01-2106-12-01-2107-02-01-2107-04-01-2107-06-01-2107-08-01-2107-10-01-2107-12-01-2108-02-01-2108-04-01-2108-06-01-2108-08-01-2108-10-01-2108-12-01-2109-02-01-2109-04-01-2109-06-01-2109-08-01-2109-10-01-2109-12-01-2110-02-01-2110-04-01-2110-06-01-2110-08-01-2110-10-01-2110-12-01-2111-02-01-2111-04-01-2111-06-01-2111-08-01-2111-10-01-2111-12-01-2112-02-01-2112-04-01-2112-06-01-2112-08-01-2112-10-01-2112-12-01-2113-02-01-2113-04-01-2113-06-01-2113-08-01-2113-10-01-2113-12-01-2114-02-01-2114-04-01-2114-06-01-2114-08-01-2114-10-01-2114-12-01-2115-02-01-2115-04-01-2115-06-01-2115-08-01-2115-10-01-2115-12-01-2116-02-01-2116-04-01-2116-06-01-2116-08-01-2116-10-01-2116-12-01-2117-02-01-2117-04-01-2117-06-01-2117-08-01-2117-10-01-2117-12-01-2118-02-01-2118-04-01-2118-06-01-2118-08-01-2118-10-01-2118-12-01-2119-02-01-2119-04-01-2119-06-01-2119-08-01-2119-10-01-2119-12-01-2120-02-01-2120-04-01-2120-06-01-2120-08-01-2120-10-01-2120-12-01-2121-02-01-2121-04-01-2121-06-01-2121-08-01-2121-10-01-2121-12-01-2122-02-01-2122-04-01-2122-06-01-2122-08-01-2122-10-01-2122-12-01-2123-02-01-2123-04-01-2123-06-01-2123-08-01-2123-10-01-2123-12-01-2124-02-01-2124-04-01-2124-06-01-2124-08-01-2124-10-01-2124-12-01-2125-02-01-2125-04-01-2125-06-01-2125-08-01-2125-10-01-2125-12-01-2126-02-01-2126-04-01-2126-06-01-2126-08-01-2126-10-01-2126-12-01-2127-02-01-2127-04-01-2127-06-01-2127-08-01-2127-10-01-2127-12-01-2128-02-01-2128-04-01-2128-06-01-2128-08-01-2128-10-01-2128-12-01-2129-02-01-2129-04-01-2129-06-01-2129-08-01-2129-10-01-2129-12-01-2130-02-01-2130-04-01-2130-06-01-2130-08-01-2130-10-01-2130-12-01-2131-02-01-2131-04-01-2131-06-01-2131-08-01-2131-10-01-2131-12-01-2132-02-01-2132-04-01-2132-06-01-2132-08-01-2132-10-01-2132-12-01-2133-02-01-2133-04-01-2133-06-01-2133-08-01-2133-10-01-2133-12-01-2134-02-01-2134-04-01-2134-06-01-2134-08-01-2134-10-01-2134-12-01-2135-02-01-2135-04-01-2135-06-01-2135-08-01-2135-10-01-2135-12-01-2136-02-01-2136-04-01-2136-06-01-2136-08-01-2136-10-01-2136-12-01-2137-02-01-2137-04-01-2137-06-01-2137-08-01-2137-10-01-2137-12-01-2138-02-01-2138-04-01-2138-06-01-2138-08-01-2138-10-01-2138-12-01-2139-02-01-2139-04-01-2139-06-01-2139-08-01-2139-10-01-2139-12-01-2140-02-01-2140-04-01-2140-06-01-2140-08-01-2140-10-01-2140-12-01-2141-02-01-2141-04-01-2141-06-01-2141-08-01-2141-10-01-2141-12-01-2142-02-01-2142-04-01-2142-06-01-2142-08-01-2142-10-01-2142-12-01-2143-02-01-2143-04-01-2143-06-01-2143-08-01-2143-10-01-2143-12-01-2144-02-01-2144-04-01-2144-06-01-2144-08-01-2144-10-01-2144-12-01-2145-02-01-2145-04-01-2145-06-01-2145-08-01-2145-10-01-2145-12-01-2146-02-01-2146-04-01-2146-06-01-2146-08-01-2146-10-01-2146-12-01-2147-02-01-2147-04-01-2147-06-01-2147-08-01-2147-10-01-2147-12-01-2148-02-01-2148-04-01-2148-06-01-2148-08-01-2148-10-01-2148-12-01-2149-02-01-2149-04-01-2149-06-01-2149-08-01-2149-10-01-2149-12-01-2150-02-01-2150-04-01-2150-06-01-2150-08-01-2150-10-01-2150-12-01-2151-02-01-2151-04-01-2151-06-01-2151-08-01-2151-10-01-2151-12-01-2152-02-01-2152-04-01-2152-06-01-2152-08-01-2152-10-01-2152-12-01-2153-02-01-2153-04-01-2153-06-01-2153-08-01-2153-10-01-2153-12-01-2154-02-01-2154-04-01-2154-06-01-2154-08-01-2154-10-01-2154-12-01-2155-02-01-2155-04-01-2155-06-01-2155-08-01-2155-10-01-2155-12-01-2156-02-01-2156-04-01-2156-06-01-2156-08-01-2156-10-01-2156-12-01-2157-02-01-2157-04-01-2157-06-01-2157-08-01-2157-10-01-2157-12-01-2158-02-01-2158-04-01-2158-06-01-2158-08-01-2158-10-01-2158-12-01-2159-02-01-2159-04-01-2159-06-01-2159-08-01-2159-10-01-2159-12-01-2160-02-01-2160-04-01-2160-06-01-2160-08-01-2160-10-01-2160-12-01-2161-02-01-2161-04-01-2161-06-01-2161-08-01-2161-10-01-2161-12-01-2162-02-01-2162-04-01-2162-06-01-2162-08-01-2162-10-01-2162-12-01-2163-02-01-2163-04-01-2163-06-01-2163-08-01-2163-10-01-2163-12-01-2164-02-01-2164-04-01-2164-06-01-2164-08-01-2164-10-01-2164-12-01-2165-02-01-2165-04-01-2165-06-01-2165-08-01-2165-10-01-2165-12-01-2166-02-01-2166-04-01-2166-06-01-2166-08-01-2166-10-01-2166-12-01-2167-02-01-2167-04-01-2167-06-01-2167-08-01-2167-10-01-2167-12-01-2168-02-01-2168-04-01-2168-06-01-2168-08-01-2168-10-01-2168-12-01-2169-02-01-2169-04-01-2169-06-01-2169-08-01-2169-10-01-2169-12-01-2170-02-01-2170-04-01-2170-06-01-2170-08-01-2170-10-01-2170-12-01-2171-02-01-2171-04-01-2171-06-01-2171-08-01-2171-10-01-2171-12-01-2172-02-01-2172-04-01-2172-06-01-2172-08-01-2172-10-01-2172-12-01-2173-02-01-2173-04-01-2173-06-01-2173-08-01-2173-10-01-2173-12-01-2174-02-01-2174-04-01-2174-06-01-2174-08-01-2174-10-01-2174-12-01-2175-02-01-2175-04-01-2175-06-01-2175-08-01-2175-10-01-2175-12-01-2176-02-01-2176-04-01-2176-06-01-2176-08-01-2176-10-01-2176-12-01-2177-02-01-2177-04-01-2177-06-01-2177-08-01-2177-10-01-2177-12-01-2178-02-01-2178-04-01-2178-06-01-2178-08-01-2178-10-01-2178-12-01-2179-02-01-2179-04-01-2179-06-01-2179-08-01-2179-10-01-2179-12-01-2180-02-01-2180-04-01-2180-06-01-2180-08-01-2180-10-01-2180-12-01-2181-02-01-2181-04-01-2181-06-01-2181-08-01-2181-10-01-2181-12-01-2182-02-01-2182-04-01-2182-06-01-2182-08-01-2182-10-01-2182-12-01-2183-02-01-2183-04-01-2183-06-01-2183-08-01-2183-10-01-2183-12-01-2184-02-01-2184-04-01-2184-06-01-2184-08-01-2184-10-01-2184-12-01-2185-02-01-2185-04-01-2185-06-01-2185-08-01-2185-10-01-2185-12-01-2186-02-01-2186-04-01-2186-06-01-2186-08-01-2186-10-01-2186-12-01-2187-02-01-2187-04-01-2187-06-01-2187-08-01-2187-10-01-2187-12-01-2188-02-01-2188-04-01-2188-06-01-2188-08-01-2188-10-01-2188-12-01-2189-02-01-2189-04-01-2189-06-01-2189-08-01-2189-10-01-2189-12-01-2190-02-01-2190-04-01-2190-06-01-2190-08-01-2190-10-01-2190-12-01-2191-02-01-2191-04-01-2191-06-01-2191-08-01-2191-10-01-2191-12-01-2192-02-01-2192-04-01-2192-06-01-2192-08-01-2192-10-01-2192-12-01-2193-02-01-2193-04-01-2193-06-01 |     |           |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 5919 | Effect of Bortezomib on Global Gene Expression in PC12-Derived Nerve Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 751.  | 4.1 | 11        |
| 5920 | The Effect of 3- <sup>2</sup> -Hydroxy-3,4,5,4- <sup>2</sup> -Tetramethoxy -stilbene, the Metabolite of the Resveratrol Analogue DMU-212, on the Motility and Proliferation of Ovarian Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1100.  | 4.1 | 9         |
| 5925 | A Review on The Processing and Analysis of Next-generation RNA-seq Data*. <i>Progress in Biochemistry and Biophysics</i> , 2010, 37, 834-846.  | 0.3 | 8         |
| 5926 | miR-133b May Regulate Mouse B Cell Development by Targeting The Transcription Factor foxO1*. <i>Progress in Biochemistry and Biophysics</i> , 2011, 38, 744-750.   | 0.3 | 2         |
| 5927 | An Integrated Analysis of Lineage-specific Small Proteins Across Eight Eukaryotes Reveals Functional and Evolutionary Significance*. <i>Progress in Biochemistry and Biophysics</i> , 2012, 39, 359-367.   | 0.3 | 2         |
| 5928 | Effects of ciglitazone and troglitazone on the proliferation of human stomach cancer cells. <i>World Journal of Gastroenterology</i> , 2009, 15, 310.  | 3.3 | 24        |
| 5929 | Gene expression arrays as a tool to unravel mechanisms of normal tissue radiation injury and prediction of response. <i>World Journal of Gastroenterology</i> , 2007, 13, 2669.  | 3.3 | 34        |
| 5930 | Construction of a risk score prognosis model based on hepatocellular carcinoma microenvironment. <i>World Journal of Gastroenterology</i> , 2020, 26, 134-153.   | 3.3 | 36        |
| 5931 | MicroRNA-150 down Regulation in Acute Myeloid Leukaemia Patients and Its Prognostic Implication. <i>Open Access Macedonian Journal of Medical Sciences</i> , 2018, 6, 1993-2000.   | 0.2 | 6         |
| 5932 | Identification of differentially expressed genes in the endothelial precursor cells of patients with type 2 diabetes mellitus by bioinformatics analysis. <i>Experimental and Therapeutic Medicine</i> , 2020, 19, 499-510.  | 1.8 | 7         |
| 5933 | Prediction of crucial epigenetically associated, differentially expressed genes by integrated bioinformatics analysis and the identification of S100A9 as a novel biomarker in psoriasis. <i>International Journal of Molecular Medicine</i> , 2020, 45, 93-102.   | 4.0 | 16        |
| 5934 | Investigation of the molecular mechanisms underlying myotonic dystrophy types 1 and 2 cataracts using microRNA-target gene networks. <i>Molecular Medicine Reports</i> , 2017, 16, 3737-3744.  | 2.4 | 4         |
| 5935 | Screening of the prognostic targets for breast cancer based co-expression modules analysis. <i>Molecular Medicine Reports</i> , 2017, 16, 4038-4044.   | 2.4 | 20        |
| 5936 | Global pathway view analysis of microRNA clusters in myasthenia gravis. <i>Molecular Medicine Reports</i> , 2019, 19, 2350-2360.   | 2.4 | 3         |
| 5937 | Identification of potential crucial genes and molecular mechanisms in glioblastoma multiforme by bioinformatics analysis. <i>Molecular Medicine Reports</i> , 2020, 22, 859-869.   | 2.4 | 17        |
| 5938 | POPDC3 is a potential biomarker for prognosis and radioresistance in patients with head and neck squamous cell carcinoma. <i>Oncology Letters</i> , 2019, 18, 5468-5480.   | 1.8 | 8         |
| 5939 | Reduced expression of microRNA-139-5p in hepatocellular carcinoma results in a poor outcome: An exploration the roles of microRNA-139-5p in tumorigenesis, advancement and prognosis at the molecular biological level using an integrated meta-analysis and bioinformatic investigation. <i>Oncology Letters</i> , 2019, 18, 6704-6724. | 1.8 | 5         |
| 5940 | Identification of potential pathogenic candidates or diagnostic biomarkers in papillary thyroid carcinoma using expression and methylation profiles. <i>Oncology Letters</i> , 2019, 18, 6670-6678.  | 1.8 | 9         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5941 | Overexpression of miRâ€206 in osteosarcoma and its associated molecular mechanisms as assessed through TCGA and GEO databases. <i>Oncology Letters</i> , 2020, 19, 1751-1758.   | 1.8 | 7         |
| 5942 | Integrated bioinformatics analysis of the association between apolipoprotein E expression and patient prognosis in papillary thyroid carcinoma. <i>Oncology Letters</i> , 2020, 19, 2295-2305.  | 1.8 | 3         |
| 5943 | Identification of a long nonâ€coding RNA signature for predicting prognosis and biomarkers in lung adenocarcinoma. <i>Oncology Letters</i> , 2020, 19, 2793-2800.   | 1.8 | 9         |
| 5944 | Chemoresistanceâ€associated alternative splicing signatures in serous ovarian cancer. <i>Oncology Letters</i> , 2020, 20, 420-430.  | 1.8 | 8         |
| 5945 | Atonal bHLH transcription factor 1 is an important factor for maintaining the balance of cell proliferation and differentiation in tumorigenesis (Review). <i>Oncology Letters</i> , 2020, 20, 2595-2605.   | 1.8 | 8         |
| 5946 | Investigation of the association between Câ€Xâ€C motif chemokine receptor subunits and tumor infiltration levels and prognosis in patients with earlyâ€stage pancreatic ductal adenocarcinoma. <i>Oncology Letters</i> , 2020, 20, 16.  | 1.8 | 5         |
| 5947 | Polyphyllin VII suppresses cell proliferation, the cell cycle and cell migration in colorectal cancer. <i>Oncology Letters</i> , 2020, 21, 1-1.   | 1.8 | 7         |
| 5948 | Comprehensive analysis of the lncRNAâ€associated competing endogenous RNA network in breast cancer. <i>Oncology Reports</i> , 2019, 42, 2572-2582.  | 2.6 | 27        |
| 5949 | The identification of key biomarkers in patients with lung adenocarcinoma based on bioinformatics. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 7671-7687.   | 1.9 | 24        |
| 5950 | Identification of metastasis-associated genes in colorectal cancer through an integrated genomic and transcriptomic analysis. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 2013, 25, 623-36. | 2.2 | 10        |
| 5951 | Biclustering of DNA Microarray Data. , 2011, , 148-186.   |     | 8         |
| 5952 | GSK3 Restrains Germinal Center B Cells to Form Plasma Cells. <i>Journal of Immunology</i> , 2021, 206, 481-493.   | 0.8 | 7         |
| 5953 | Construction of a Transcriptome-Driven Network at the Early Stage of Infection with Influenza A H1N1 in Human Lung Alveolar Epithelial Cells. <i>Biomolecules and Therapeutics</i> , 2018, 26, 290-297.   | 2.4 | 7         |
| 5954 | Transcriptome analysis of porcine skeletal muscle: differentially expressed genes in Italian Large White pigs with divergent values for glycolytic potential. <i>Italian Journal of Animal Science</i> , 2007, 6, 113-115.  | 1.9 | 1         |
| 5955 | Expression of microRNA during bovine adipogenesis. <i>Journal of Nucleic Acids Investigation</i> , 2010, 1, 12.   | 0.8 | 2         |
| 5956 | MicroRNA alterations in Barrettâ€s esophagus, esophageal adenocarcinoma, and esophageal adenocarcinoma cell lines following cranberry extract treatment: Insights for chemoprevention. <i>Journal of Carcinogenesis</i> , 2011, 10, 34.   | 2.5 | 24        |
| 5957 | Identification of protein targets for the antidepressant effects of Kai-Xin-San in Chinese medicine using isobaric tags for relative and absolute quantitation. <i>Neural Regeneration Research</i> , 2020, 15, 302.  | 3.0 | 12        |
| 5958 | Protein microarray analysis of cytokine expression changes in distal stumps after sciatic nerve transection. <i>Neural Regeneration Research</i> , 2020, 15, 503.   | 3.0 | 4         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5959 | MicroRNA regulatory pattern in spinal cord ischemia-reperfusion injury. Neural Regeneration Research, 2020, 15, 2123.   | 3.0 | 21        |
| 5960 | Autism and Obesity: Prevalence, Molecular Basis and Potential Therapies. Autism Insights, 0, , 1.   | 0.0 | 2         |
| 5961 | Gene Expression Profiling from a Prostate Cancer PC-3 Cell Line Treated with Salinomycin Predicts Cell Cycle Arrest and Endoplasmic Reticulum Stress. Journal of Cancer Science & Therapy, 2013, 05, .  | 1.7 | 2         |
| 5962 | Global Proteomics: Pharmacodynamic Decision Making via Geometric Interpretations of Proteomic Analyses. Journal of Proteomics and Bioinformatics, 2008, 01, 315-328.  | 0.4 | 6         |
| 5963 | Enhanced Meta-analysis Highlights Genes Involved in Metastasis from Several Microarray Datasets. Journal of Proteomics and Bioinformatics, 2011, 04, .  | 0.4 | 6         |
| 5964 | Transcriptomics Data Integration Reveals Jak-STAT as a Common Pathway Affected by Pathogenic Intracellular Bacteria in Natural Reservoir Hosts. Journal of Proteomics and Bioinformatics, 2012, 05, .   | 0.4 | 12        |
| 5965 | A Proteomic Study of Human Merkel Cell Carcinoma. Journal of Proteomics and Bioinformatics, 2013, 06, 275-282.  | 0.4 | 23        |
| 5966 | Increased Cellular Invasion and Proliferation via Estrogen Receptor after 17- $\beta$ -Estradiol Treatment in Breast Cancer Cells Using Stable Isotopic Labeling with Amino Acids in Cell Culture (SILAC). Advances in Breast Cancer Research, 2013, 02, 32-43. | 0.1 | 2         |
| 5967 | Applicability of the P19CL6 cells as a model of cardiomyocytes – a transcriptome analysis. Health, 2010, 02, 24-31.   | 0.3 | 1         |
| 5968 | A New Generation of Drugs: Synthetic Peptides Based on Natural Regulatory Peptides. Neuroscience and Medicine, 2013, 04, 223-252.   | 0.2 | 24        |
| 5969 | Identification and abundance of miRNA in chicken hypothalamus tissue determined by Solexa sequencing. Genetics and Molecular Research, 2012, 11, 4682-4694.   | 0.2 | 13        |
| 5970 | Evaluation of Toxicity and Gene Expression Changes Triggered by Quantum Dots. Bulletin of the Korean Chemical Society, 2010, 31, 1555-1560.   | 1.9 | 17        |
| 5971 | Evaluation of Toxicity and Gene Expression Changes Triggered by Oxide Nanoparticles. Bulletin of the Korean Chemical Society, 2011, 32, 2051-2057.  | 1.9 | 26        |
| 5972 | Analysis of copy number variation in 8,842 Korean individuals reveals 39 genes associated with hepatic biomarkers AST and ALT. BMB Reports, 2010, 43, 547-553.  | 2.4 | 11        |
| 5973 | A replication study of genome-wide CNV association for hepatic biomarkers identifies nine genes associated with liver function. BMB Reports, 2011, 44, 578-583.   | 2.4 | 7         |
| 5974 | A bootstrap-based non-parametric ANOVA method with applications to factorial microarray data. Statistica Sinica, 2011, 21, 495.   | 0.3 | 22        |
| 5975 | Effects of deoxynivalenol- and zearalenone-contaminated feed on the gene expression profiles in the kidneys of piglets. Asian-Australasian Journal of Animal Sciences, 2018, 31, 138-148.   | 2.4 | 13        |
| 5976 | Temporal expression profiling of long noncoding RNA and mRNA in the peripheral blood during porcine development. Asian-Australasian Journal of Animal Sciences, 2020, 33, 836-847.  | 2.4 | 1         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5977 | Differential Expressions of Apoptosis-related Genes in Lung Cancer Cell Lines Determine the Responsiveness to Ionizing Radiation. <i>Genomics and Informatics</i> , 2008, 6, 36-43.         | 0.8 | 4         |
| 5978 | Prediction of Genes Related to Positive Selection Using Whole-Genome Resequencing in Three Commercial Pig Breeds. <i>Genomics and Informatics</i> , 2015, 13, 137.                          | 0.8 | 4         |
| 5979 | Insights into the Signal Transduction Pathways of Mouse Lung Type II Cells Revealed by Transcription Factor Profiling in the Transcriptome. <i>Genomics and Informatics</i> , 2019, 17, e8. | 0.8 | 10        |
| 5980 | A Study Analyzing Reference Linking Service in Digital Libraries. <i>International Journal of Knowledge Content Development and Technology</i> , 2015, 5, 69-88.                            | 0.4 | 5         |
| 5981 | Astragalus polysaccharides induced gene expression profiling of intraepithelial lymphocytes in immune-suppressed mice. <i>Journal of Medicinal Plants Research</i> , 2012, 6, .             | 0.4 | 3         |
| 5982 | Integrative analysis of the mouse embryonic transcriptome. <i>Bioinformation</i> , 2007, 1, 406-413.  | 0.5 | 8         |
| 5983 | DAVID gene ID conversion tool. <i>Bioinformation</i> , 2008, 2, 428-430.  | 0.5 | 156       |
| 5984 | Meta analysis of Chronic Fatigue Syndrome through integration of clinical, gene expression, SNP and proteomic data. <i>Bioinformation</i> , 2011, 6, 120-124.                               | 0.5 | 8         |
| 5985 | Genes2GO: A web application for querying gene sets for specific GO terms. <i>Bioinformation</i> , 2016, 12, 231-232.  | 0.5 | 4         |
| 5986 | Identification of Biomarkers for Diagnosis of Gastric Cancer by Bioinformatics. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 1361-1365.                                    | 1.2 | 14        |
| 5987 | NOVA-dependent regulation of cryptic NMD exons controls synaptic protein levels after seizure. <i>ELife</i> , 2013, 2, e00178.  | 6.0 | 92        |
| 5988 | Integrative genomic analysis of the human immune response to influenza vaccination. <i>ELife</i> , 2013, 2, e00299.   | 6.0 | 126       |
| 5989 | A component of the mir-17-92 polycistronic oncomir promotes oncogene-dependent apoptosis. <i>ELife</i> , 2013, 2, e00822.   | 6.0 | 75        |
| 5990 | The translational landscape of the splicing factor SRSF1 and its role in mitosis. <i>ELife</i> , 2014, 3, e02028.   | 6.0 | 96        |
| 5991 | Lhx1 maintains synchrony among circadian oscillator neurons of the SCN. <i>ELife</i> , 2014, 3, e03357.   | 6.0 | 68        |
| 5992 | Genome-wide errant targeting by Hairy. <i>ELife</i> , 2015, 4, .  | 6.0 | 13        |
| 5993 | Control of immune ligands by members of a cytomegalovirus gene expansion suppresses natural killer cell activation. <i>ELife</i> , 2017, 6, .   | 6.0 | 67        |
| 5994 | Resolving stem and progenitor cells in the adult mouse incisor through gene co-expression analysis. <i>ELife</i> , 2017, 6, .   | 6.0 | 44        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 5995 | Inhibiting the integrated stress response pathway prevents aberrant chondrocyte differentiation thereby alleviating chondrodysplasia. <i>ELife</i> , 2018, 7, .   | 6.0 | 59        |
| 5996 | A new experimental platform facilitates assessment of the transcriptional and chromatin landscapes of aging yeast. <i>ELife</i> , 2018, 7, .  | 6.0 | 56        |
| 5997 | Epigenetic silencing of a multifunctional plant stress regulator. <i>ELife</i> , 2019, 8, .   | 6.0 | 28        |
| 5998 | Functional heterogeneity of lymphocytic patterns in primary melanoma dissected through single-cell multiplexing. <i>ELife</i> , 2020, 9, .  | 6.0 | 44        |
| 5999 | A cross-kingdom conserved ER-phagy receptor maintains endoplasmic reticulum homeostasis during stress. <i>ELife</i> , 2020, 9, .  | 6.0 | 139       |
| 6000 | Integrated network pharmacology and molecular docking approaches to reveal the synergistic mechanism of multiple components in <i>Venenum Bufonis</i> for ameliorating heart failure. <i>PeerJ</i> , 2020, 8, e10107.   | 2.0 | 5         |
| 6001 | Identifying <i>MMP14</i> and <i>COL12A1</i> as a potential combination of prognostic biomarkers in pancreatic ductal adenocarcinoma using integrated bioinformatics analysis. <i>PeerJ</i> , 2020, 8, e10419.           | 2.0 | 17        |
| 6002 | miR-21 is upregulated, promoting fibrosis and blocking G2/M in irradiated rat cardiac fibroblasts. <i>PeerJ</i> , 2020, 8, e10502.  | 2.0 | 7         |
| 6003 | Chromosomal rearrangements and protein globularity changes in <i>Mycobacterium tuberculosis</i> isolates from cerebrospinal fluid. <i>PeerJ</i> , 2016, 4, e2484.   | 2.0 | 5         |
| 6004 | Identification of four potential predicting miRNA biomarkers for multiple myeloma from published datasets. <i>PeerJ</i> , 2017, 5, e2831.   | 2.0 | 11        |
| 6005 | Genome methylation and regulatory functions for hypoxic adaptation in Tibetan chicken embryos. <i>PeerJ</i> , 2017, 5, e3891.   | 2.0 | 17        |
| 6006 | Modulation of transcriptional activity in brain lower grade glioma by alternative splicing. <i>PeerJ</i> , 2018, 6, e4686.  | 2.0 | 6         |
| 6007 | The expression of chondrogenesis-related and arthritis-related genes in human ONFH cartilage with different Ficat stages. <i>PeerJ</i> , 2019, 7, e6306.  | 2.0 | 12        |
| 6008 | Amorphous silica nanoparticles induce tumorigenesis via regulating ATP5H/SOD1-related oxidative stress, oxidative phosphorylation and EIF4G2/PABPC1-associated translational initiation. <i>PeerJ</i> , 2019, 7, e6455. | 2.0 | 4         |
| 6009 | Identification of differentially expressed key genes between glioblastoma and low-grade glioma by bioinformatics analysis. <i>PeerJ</i> , 2019, 7, e6560.   | 2.0 | 16        |
| 6010 | Characterization of bidirectional gene pairs in The Cancer Genome Atlas (TCGA) dataset. <i>PeerJ</i> , 2019, 7, e7107.  | 2.0 | 8         |
| 6011 | Identification of significant gene and pathways involved in HBV-related hepatocellular carcinoma by bioinformatics analysis. <i>PeerJ</i> , 2019, 7, e7408.   | 2.0 | 64        |
| 6012 | Identification of potential biomarkers and pivotal biological pathways for prostate cancer using bioinformatics analysis methods. <i>PeerJ</i> , 2019, 7, e7872.  | 2.0 | 35        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 6013 | Identification of key genes and multiple molecular pathways of metastatic process in prostate cancer. PeerJ, 2019, 7, e7899.  | 2.0 | 12        |
| 6014 | Significance of TP53 mutation in bladder cancer disease progression and drug selection. PeerJ, 2019, 7, e8261.  | 2.0 | 30        |
| 6015 | A transcriptional co-expression network-based approach to identify prognostic biomarkers in gastric carcinoma. PeerJ, 2020, 8, e8504.   | 2.0 | 6         |
| 6016 | Weighted gene correlation network analysis reveals novel biomarkers associated with mesenchymal stromal cell differentiation in early phase. PeerJ, 2020, 8, e8907.   | 2.0 | 10        |
| 6017 | miR-224, miR-147b and miR-31 associated with lymph node metastasis and prognosis for lung adenocarcinoma by regulating PRPF4B, WDR82 or NR3C2. PeerJ, 2020, 8, e9704.                                       | 2.0 | 12        |
| 6018 | Identification of aberrantly methylated-differentially expressed genes and potential agents for Ewing sarcoma. Annals of Translational Medicine, 2021, 9, 1557-1557.  | 1.7 | 0         |
| 6019 | The Evolution of Clinically Aggressive Triple-Negative Breast Cancer Shows a Large Mutational Diversity and Early Metastasis to Lymph Nodes. Cancers, 2021, 13, 5091.                                       | 3.7 | 4         |
| 6020 | Maternal High-Fat Diet Disturbs the DNA Methylation Profile in the Brown Adipose Tissue of Offspring Mice. Frontiers in Endocrinology, 2021, 12, 705827.  | 3.5 | 9         |
| 6021 | Extracellular calcium alters calcium-sensing receptor network integrating intracellular calcium-signaling and related key pathway. Scientific Reports, 2021, 11, 20576.                                     | 3.3 | 8         |
| 6022 | Metabolic Analysis of Potential Key Genes Associated with Systemic Lupus Erythematosus Using Liquid Chromatography-Mass Spectrometry. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-17. | 1.3 | 2         |
| 6023 | An In-Silico, In-Vitro and In-Vivo Combined Approach to Identify NMNATs as Potential Protein Targets of ProEGCG for Treatment of Endometriosis. Frontiers in Pharmacology, 2021, 12, 714790.                | 3.5 | 4         |
| 6024 | GNG7 and ADCY1 as diagnostic and prognostic biomarkers for pancreatic adenocarcinoma through bioinformatic-based analyses. Scientific Reports, 2021, 11, 20441.   | 3.3 | 10        |
| 6025 | CD20 positive CD8 T cells are a unique and transcriptionally-distinct subset of T cells with distinct transmigration properties. Scientific Reports, 2021, 11, 20499.                                       | 3.3 | 11        |
| 6026 | Functional heterogeneity of POMC neurons relies on mTORC1 signaling. Cell Reports, 2021, 37, 109800.  | 6.4 | 19        |
| 6027 | Exploration of alcohol use disorder-associated brain miRNA-mRNA regulatory networks. Translational Psychiatry, 2021, 11, 504.   | 4.8 | 23        |
| 6028 | Vitamin C Differentially Impacts the Serum Proteome Profile in Female and Male Mice. Journal of Proteome Research, 2021, 20, 5036-5053.   | 3.7 | 8         |
| 6031 | Qualitative lysine crotonylome analysis in the ovarian tissue of Harmonia axyridis (Pallas). PLoS ONE, 2021, 16, e0258371.  | 2.5 | 0         |
| 6032 | Unsupervised Dense Regions Discovery in DNA Microarray Data. Lecture Notes in Computer Science, 2004, , 71-77.  | 1.3 | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 6033 | Bioinformatics Data Source Integration Based on Semantic Relationships Across Species. Lecture Notes in Computer Science, 2006, , 78-93.                          | 1.3 | 1         |
| 6034 | GENE EXPRESSION PROFILING OF BOVINE OVARIAN FOLLICULAR SELECTION. Biology of Reproduction, 2007, 77, 98-98.   | 2.7 | 0         |
| 6035 | Synaptoproteomics of Existing and new Animal Models of Depression. , 2008, , 185-202.   |     | 0         |
| 6036 | Pattern-Based Gene-Set Recognition for Interpreting Genome-Wide Gene Expression Profiles.. Open Bioinformatics Journal, 2008, 2, 1-10.                            | 1.0 | 0         |
| 6037 | Statistical Analysis on Microarray Data: Selection of Gene Prognosis Signatures. , 2009, , 55-76.   |     | 2         |
| 6038 | Pattern Discovery in Gene Expression Data. , 2009, , 45-64.   |     | 0         |
| 6039 | Current Efforts to Integrate Biological Pathway Information. Lecture Notes in Computer Science, 2009, , 1092-1096.  | 1.3 | 0         |
| 6042 | Photoperiodism in Insects: Molecular Basis and Consequences of Diapause. , 2009, , 287-317.   |     | 1         |
| 6043 | PathAgent: Multi-agent System for Updated Pathway Information Integration. Advances in Intelligent and Soft Computing, 2010, , 77-85.                             | 0.2 | 0         |
| 6044 | The Evolving Transcriptome of Head and Neck Squamous Cell Carcinoma. Systems Biology, 2010, , 687-702.  | 0.1 | 0         |
| 6045 | Characterization of Treatment Response to Recombinant Interferon-a2b in Osteosarcoma Xenografts. Journal of Cancer Science & Therapy, 2010, 02, 016-025.          | 1.7 | 2         |
| 6046 | MADNet: A Web Server for Contextual Analysis and Visualization of High-Throughput Experiments. Systems Biology, 2010, , 877-888.                                  | 0.1 | 0         |
| 6047 | An Evaluation of Gene Module Concepts in the Interpretation of Gene Expression Data. Computational Biology, 2010, , 331-349.                                      | 0.2 | 1         |
| 6048 | Bone-specific master transcription factor Runx2 regulates signaling and metabolism related programs in osteoprogenitors. Biopolymers and Cell, 2010, 26, 273-278. | 0.4 | 0         |
| 6049 | Bioinformatics of High-Throughput Insertional Mutagenesis. , 2011, , 167-188.   |     | 0         |
| 6051 | Visual Gene Ontology Based Knowledge Discovery in Functional Genomics. , 0, , .   |     | 1         |
| 6052 | Experiment Specific Expression Patterns. Lecture Notes in Computer Science, 2011, , 339-354.  | 1.3 | 0         |
| 6053 | MMRF for Proteome Annotation Applied to Human Protein Disease Prediction. Lecture Notes in Computer Science, 2011, , 67-75.                                       | 1.3 | 0         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 6054 | Abstract 3328: Characterization of cell lines derived from breast cancers and normal mammary tissues for the study of the intrinsic molecular subtypes. , 2011, , .                                    |     | 1         |
| 6055 | On-Chip Living-Cell Microarrays for Network Biology. , 0, , .  |     | 0         |
| 6056 | Recurrent Giant Sarcoma of the Anterior Abdominal Wall. Journal of Cancer Science & Therapy, 2012, 04, .   | 1.7 | 1         |
| 6057 | Transcriptional Networks “ Control of Lung Maturation. Translational Bioinformatics, 2012, , 309-334.  | 0.0 | 0         |
| 6059 | Transcriptional Regulation in the G1-S Cell Cycle Stage in Fungi: Insights through Computational Analysis. Open Bioinformatics Journal, 2012, 6, 43-54.  | 1.0 | 0         |
| 6060 | Prioritizing Disease Genes and Understanding Disease Pathways. International Journal of Knowledge Discovery in Bioinformatics, 2012, 3, 31-49.   | 0.8 | 0         |
| 6061 | Protein Interactions for Functional Genomics. International Journal of Knowledge Discovery in Bioinformatics, 2012, 3, 15-30.  | 0.8 | 0         |
| 6064 | Genome-Wide Mapping. , 2013, , 71-109.   |     | 0         |
| 6065 | Modern Techniques for DNA and RNA Assessments. Success in Academic Surgery, 2014, , 107-126.   | 0.1 | 0         |
| 6066 | Epigenetics of Host-Pathogen Interactions: The Road Ahead and the Road Behind. , 2013, , 25-46.  |     | 0         |
| 6067 | Acknowledgments / The Authors. , 2013, , 295-295.  |     | 0         |
| 6068 | Potential Driver Genes Regulated by OncomiRNA Are Associated with Druggability in Pan-Negative Melanoma. Lecture Notes in Computer Science, 2014, , 315-321.   | 1.3 | 0         |
| 6069 | Potential Candidate Genes for Hypertension with Blood Stasis Syndrome by Microarray and Databases Mining. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2014, 4, 150-154. | 0.2 | 2         |
| 6070 | Semantic Modeling for SNPs Associated with Ethnic Disparities in HapMap Samples. Genomics and Informatics, 2014, 12, 35.   | 0.8 | 0         |
| 6071 | Construction of a Protein-Protein Interaction Network for Chronic Myelocytic Leukemia and Pathway Prediction of Molecular Complexes. Asian Pacific Journal of Cancer Prevention, 2014, 15, 5325-5330.  | 1.2 | 2         |
| 6072 | Subspace Clustering of DNA Microarray Data. International Journal of Computational Models and Algorithms in Medicine, 2014, 4, 1-52.   | 0.4 | 1         |
| 6073 | Characterization of Root Transcriptome among Korean Ginseng Cultivars and American Ginseng using Next Generation Sequencing. Korean Journal of Medicinal Crop Science, 2014, 22, 339-348.              | 0.4 | 0         |
| 6075 | Rapid Evolution of DNA Methylation in Primates Tend to Occur in Conserved Sequences. Cancer Genetics and Epigenetics, 0, , .   | 0.0 | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 6076 | MicroRNA-21, 204 and 125b Play Potential Roles in Tumorigenesis of Melanoma. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2015, 06, 677-692.   | 0.7 | 3         |
| 6077 | A Microarray Analysis of Parkinson's Disease: New Clues and Evaluation. <i>Journal of Biosciences and Medicines</i> , 2015, 03, 55-60.  | 0.2 | 0         |
| 6079 | Proposal of Chance Index in Co-occurrence Network. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2015, 135, 644-650.   | 0.2 | 1         |
| 6080 | Phosphoproteomics-Based Network Analysis of Cancer Cell Signaling Systems. , 2015, , 3-15.  |     | 0         |
| 6081 | Computational Data Integration in Toxicogenomics. <i>Methods in Pharmacology and Toxicology</i> , 2015, , 371-392.  | 0.2 | 0         |
| 6082 | Proposal of Chance Index in Co-occurrence Visualized Network. <i>International Journal of Knowledge Engineering</i> , 2015, 1, 78-82.   | 0.2 | 0         |
| 6083 | Identification of prognosis-specific network and prediction for estrogen receptor-negative breast cancer using microarray data and PPI data. <i>Journal of the Korea Society of Computer and Information</i> , 2015, 20, 137-147. | 0.0 | 0         |
| 6084 | Quantitative Expression Analysis of Functional Genes in Four Dog Breeds. <i>Journal of Life Science</i> , 2015, 25, 861-869.  | 0.2 | 0         |
| 6086 | Systems Biology Approaches for Elucidation of the Transcriptional Regulation of Pulmonary Maturation. <i>Translational Bioinformatics</i> , 2016, , 385-419.  | 0.0 | 0         |
| 6087 | iBATCGH: Integrative Bayesian Analysis of Transcriptomic and CGH Data. <i>Abel Symposia</i> , 2016, , 105-123.  | 0.3 | 2         |
| 6091 | Bioinformatic Analysis for Profiling Drug-induced Chromatin Modification Landscapes in Mouse Brain Using ChIP-seq Data. <i>Bio-protocol</i> , 2017, 7, .  | 0.4 | 0         |
| 6094 | Current State and Future Perspectives in Corneal Endothelium Differentiation. , 2017, , 179-208.  |     | 0         |
| 6098 | Comparative Study of Transcriptomic profiling and Functional enrichment in Ovarian Cancer Cell lines. <i>Canadian Journal of Biotechnology</i> , 2017, 1, 65-65.  | 0.3 | 0         |
| 6101 | Exploring the Molecular Mechanism of Thoracic Aortic Aneurysm via Bioinformatics Analysis. <i>Medical Science Monitor</i> , 2018, 24, 1533-1539.  | 1.1 | 1         |
| 6108 | Biomarker identification of thyroid associated ophthalmopathy using microarray data. <i>International Journal of Ophthalmology</i> , 2018, 11, 1482-1488.   | 1.1 | 5         |
| 6112 | Dental Stem Cells in Regenerative Medicine: Emerging Trends and Prospects in the Era of Bioinformatics. , 2019, , 119-150.  |     | 0         |
| 6114 | Subspace Clustering of DNA Microarray Data. , 2019, , 210-264.  |     | 0         |
| 6115 | Modern Techniques for DNA, RNA, and Protein Assessment. <i>Success in Academic Surgery</i> , 2019, , 65-104.  | 0.1 | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 6122 | GenomicsKG: A Knowledge Graph to Visualize Poly-Omics Data. Journal of Advances in Health, 2019, 01, 70-84.   | 0.0 | 1         |
| 6124 | RNA Sequencing of Osteosarcoma Gene Expression Profile Revealed that miR-214-3p Facilitates Osteosarcoma Cell Proliferation via Targeting Ubiquinol-Cytochrome c Reductase Core Protein 1 (UQCRC1). Medical Science Monitor, 2019, 25, 4982-4991. | 1.1 | 7         |
| 6126 | Identification of CD2, CCL5 and CCR5 as potential therapeutic target genes for renal interstitial fibrosis. Annals of Translational Medicine, 2019, 7, 454-454.   | 1.7 | 7         |
| 6129 | Bioinformatics analysis of hepatic gene expression profiles in type 2 diabetes mellitus. Experimental and Therapeutic Medicine, 2019, 18, 4303-4312.  | 1.8 | 4         |
| 6132 | Identification of key candidate tumor biomarkers in non-small cell lung cancer by in silico analysis. Oncology Letters, 2020, 19, 1008-1016.  | 1.8 | 4         |
| 6140 | Identification of DEGs and transcription factors involved in <i>H. pylori</i> -associated inflammation and their relevance with gastric cancer. PeerJ, 2020, 8, e9223.  | 2.0 | 10        |
| 6143 | Development of a novel prognostic signature for predicting the overall survival of bladder cancer patients. Bioscience Reports, 2020, 40, .   | 2.4 | 3         |
| 6144 | Role of CYP4F2 as a novel biomarker regulating malignant phenotypes of liver cancer cells via the Nrf2 signaling axis. Oncology Letters, 2020, 20, 13.  | 1.8 | 4         |
| 6145 | Comprehensive analysis of a long non-coding RNA-associated competing endogenous RNA network in glioma. Oncology Letters, 2020, 20, 63.  | 1.8 | 5         |
| 6146 | C9a/GLP-sensitivity of H3K9me2 Demarcates Two Types of Genomic Compartments. Genomics, Proteomics and Bioinformatics, 2020, 18, 359-370.  | 6.9 | 4         |
| 6148 | Overexpression of novel long intergenic non-coding RNA LINC02454 is associated with a poor prognosis in papillary thyroid cancer. Oncology Reports, 2020, 44, 1489-1501.  | 2.6 | 9         |
| 6153 | Identification and verification of the prognostic value of the glutathione S-transferase Mu genes in gastric cancer. Oncology Letters, 2020, 20, 1-1.   | 1.8 | 4         |
| 6154 | A Novel Computational Approach for Biomarker Detection for Gene Expression-Based Computer-Aided Diagnostic Systems for Breast Cancer. Methods in Molecular Biology, 2021, 2190, 195-208.  | 0.9 | 5         |
| 6156 | AZD9291-resistant non-small cell lung cancer cell-derived exosomal lnc-MZT2A-5:1 induces the activation of fibroblasts. Annals of Translational Medicine, 2021, 9, 1593-1593.   | 1.7 | 2         |
| 6157 | Genome-wide screening of novel RT-qPCR reference genes for study of GLRaV-3 infection in wine grapes and refinement of an RNA isolation protocol for grape berries. Plant Methods, 2021, 17, 110.   | 4.3 | 7         |
| 6158 | Transcriptomics analysis of Daheng broilers reveals that PLIN2 regulates chicken preadipocyte proliferation, differentiation and apoptosis. Molecular Biology Reports, 2021, 48, 7985-7997.   | 2.3 | 8         |
| 6159 | COMPUTATIONAL APPROACHES FOR DRUG DISCOVERY FROM MEDICINAL PLANTS IN THE ERA OF DATA DRIVEN RESEARCH. Indian Drugs, 2021, 58, 7-23.   | 0.1 | 0         |
| 6160 | The Identified Hub Gene GlcN in Osteoarthritis Progression and Treatment. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-8.  | 1.3 | 2         |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 6161 | Transcriptome analysis of the effect of a novel human serine protease inhibitor SPINK13 on gene expression in MHCC97-H cells. Translational Cancer Research, 2021, 10, 4464-4477.                         | 1.0 | 0         |
| 6162 | Identification of Hub Genes in Pancreatic Ductal Adenocarcinoma Using Bioinformatics Analysis. Iranian Journal of Public Health, 2021, 50, 2238-2245.   | 0.5 | 2         |
| 6163 | Epigenetic and Transcriptional Regulation of the Reproductive Hypothalamus. Masterclass in Neuroendocrinology, 2020, , 207-235.   | 0.1 | 0         |
| 6164 | Differential effects of RASA3 mutations on hematopoiesis are profoundly influenced by genetic background and molecular variant. PLoS Genetics, 2020, 16, e1008857.  | 3.5 | 3         |
| 6167 | Porphyromonas gingivalis facilitated the foam cell formation via lysosomal integral membrane protein 2 (LIMP2). Journal of Periodontal Research, 2021, 56, 265-274.                                       | 2.7 | 9         |
| 6169 | Prognostic and immunological value of LTB4R in pan-cancer. Mathematical Biosciences and Engineering, 2021, 18, 9336-9356.   | 1.9 | 1         |
| 6170 | Research on the Effect and Mechanism of Lactic Acid on Improving Anxiety in Mice Based on Integrated Pharmacology. International Journal of Psychiatry and Neurology, 2021, 10, 99-107.                   | 0.1 | 0         |
| 6171 | An Efficient SVM-Based Feature Selection Model for Cancer Classification Using High-Dimensional Microarray Data. IEEE Access, 2021, 9, 155353-155369.   | 4.2 | 14        |
| 6173 | Circulating MicroRNA Expression Profiles in Patients with Stable and Unstable Angina. Clinics, 2020, 75, e1546.   | 1.5 | 4         |
| 6176 | mRNA Big Data Analysis of Hepatoma Carcinoma Between Different Genders. , 2020, , .   |     | 0         |
| 6177 | Biological Big Data Analysis of Competing Endogenous RNA Network and mRNA Biomarker in Liver Cancer. , 2020, , .  |     | 0         |
| 6178 | Single-Cell Analysis Revealed the Role of CD8+ Effector T Cells in Preventing Cardioprotective Macrophage Differentiation in the Early Phase of Heart Failure. Frontiers in Immunology, 2021, 12, 763647. | 4.8 | 16        |
| 6179 | Bioinformatics analysis identifies DYNC111 as prognosis marker in male patients with liver hepatocellular carcinoma. PLoS ONE, 2021, 16, e0258797.  | 2.5 | 7         |
| 6180 | Analysis of Differentially Expressed Genes That Aggravate Metabolic Diseases in Depression. Life, 2021, 11, 1203.   | 2.4 | 1         |
| 6181 | Weighted gene co-expression network analysis to define pivotal modules and genes in diabetic heart failure. Bioscience Reports, 2020, 40, .   | 2.4 | 5         |
| 6184 | Biclustering of DNA Microarray Data. , 0, , 513-551.  |     | 3         |
| 6185 | Cross-Platform Microarray Data Integration Combining Meta-Analysis and Gene Set Enrichment Analysis. , 0, , 570-585.  |     | 0         |
| 6186 | Cross-Platform Microarray Data Integration Combining Meta-Analysis and Gene Set Enrichment Analysis. Advances in Bioinformatics and Biomedical Engineering Book Series, 0, , 12-27.                       | 0.4 | 0         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 6187 | Inferring the Origin of the Genetic Code. Springer Optimization and Its Applications, 2007, , 291-320.  | 0.9  | 0         |
| 6188 | Microarray-based Gene Expression Analysis of Endocrine Systems: Principles of Experimental Design and Interpretation. , 2008, , 3-22.   |      | 0         |
| 6189 | Applications, Representation, and Management of Signaling Pathway Information: Introduction to the SigPath Project. , 2007, , 372-392.  |      | 0         |
| 6190 | Handling and Interpreting Gene Groups. , 2007, , 69-84.   |      | 0         |
| 6191 | Analysis of copy number variation in 8,842 Korean individuals reveals 39 genes associated with hepatic biomarkers AST and ALT. BMB Reports, 2010, 43, 547-553.  | 2.4  | 0         |
| 6199 | Identification of serum exosomal miR-98â€“5p, miR-183â€“5p, miR-323â€“3p and miR-19b-3p as potential biomarkers for glioblastoma patients and investigation of their mechanisms. Current Research in Translational Medicine, 2022, 70, 103315.            | 1.8  | 6         |
| 6200 | Evolutionary epigenomic analyses in mammalian early embryos reveal species-specific innovations and conserved principles of imprinting. Science Advances, 2021, 7, eabi6178.  | 10.3 | 42        |
| 6201 | Expression and Prognostic Role of E2F2 in Hepatocellular Carcinoma. International Journal of General Medicine, 2021, Volume 14, 8463-8472.  | 1.8  | 5         |
| 6202 | Heterogeneity analysis of the immune microenvironment in laryngeal carcinoma revealed potential prognostic biomarkers. Human Molecular Genetics, 2022, 31, 1487-1499.   | 2.9  | 5         |
| 6203 | Mechanistic insights into the renoprotective role of curcumin in cisplatin-induced acute kidney injury: network pharmacology analysis and experimental validation. Bioengineered, 2021, 12, 11039-11054.  | 3.2  | 5         |
| 6204 | The U1 snRNP component RBP45d regulates temperature-responsive flowering in Arabidopsis. Plant Cell, 2022, 34, 834-851.   | 6.6  | 18        |
| 6205 | Homeoprotein SIX1 compromises antitumor immunity through TGF-Î²-mediated regulation of collagens. Cellular and Molecular Immunology, 2021, 18, 2660-2672.   | 10.5 | 5         |
| 6206 | Glioblastoma gene network reconstruction and ontology analysis by online bioinformatics tools. Journal of Integrative Bioinformatics, 2021, 18, .   | 1.5  | 4         |
| 6207 | Deepening into Intracellular Signaling Landscape through Integrative Spatial Proteomics and Transcriptomics in a Lymphoma Model. Biomolecules, 2021, 11, 1776.  | 4.0  | 8         |
| 6208 | Whole Blood Expression Pattern of Inflammation and Redox Genes in Mild Alzheimerâ€™s Disease. Journal of Inflammation Research, 2021, Volume 14, 6085-6102.   | 3.5  | 9         |
| 6209 | Hippocampal neuronsâ€™ cytosolic and membrane-bound ribosomal transcript profiles are differentially regulated by learning and subsequent sleep. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2108534118. | 7.1  | 20        |
| 6210 | Changes in Methylation across Structural and MicroRNA Genes Relevant for Progression and Metastasis in Colorectal Cancer. Cancers, 2021, 13, 5951.  | 3.7  | 5         |
| 6211 | Potential Pathogenic Genes and Mechanism of Ankylosing Spondylitis: A Study Based on WGCNA and Bioinformatics Analysis. World Neurosurgery, 2022, 158, e543-e556.   | 1.3  | 2         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 6212 | LIMD2 is a Prognostic and Predictive Marker in Patients With Esophageal Cancer Based on a ceRNA Network Analysis. <i>Frontiers in Genetics</i> , 2021, 12, 774432.   | 2.3 | 5         |
| 6213 | Exploring the Mechanisms of Arsenic Trioxide (Pishuang) in Hepatocellular Carcinoma Based on Network Pharmacology. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-9.   | 1.2 | 3         |
| 6214 | Web-based transcriptome analysis determines a sixteen-gene signature and associated drugs on hearing loss patients: A bioinformatics approach. <i>Journal of Clinical Laboratory Analysis</i> , 2021, 35, e24065.                                      | 2.1 | 6         |
| 6215 | Sodium Selenite Enhances Antibiotics Sensitivity of <i>Pseudomonas aeruginosa</i> and Decreases Its Pathogenicity by Inducing Oxidative Stress and Inhibiting Quorum Sensing System. <i>Antioxidants</i> , 2021, 10, 1873.                             | 5.1 | 1         |
| 6216 | Genome-wide DNA methylation analysis of pulmonary function in middle and old-aged Chinese monozygotic twins. <i>Respiratory Research</i> , 2021, 22, 300.  | 3.6 | 7         |
| 6217 | CD153/CD30 signaling promotes age-dependent tertiary lymphoid tissue expansion and kidney injury. <i>Journal of Clinical Investigation</i> , 2022, 132, .  | 8.2 | 36        |
| 6218 | Combined Metabolomics and Network Toxicology to Explore the Molecular Mechanism of <i>Phytolacca acinosa</i> Roxb-Induced Hepatotoxicity in Zebrafish Larvae in Vivo. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-13. | 1.2 | 2         |
| 6219 | Integrative investigation of the TF-miRNA coregulatory network involved in the inhibition of breast cancer cell proliferation by resveratrol. <i>FEBS Open Bio</i> , 2021, , .   | 2.3 | 6         |
| 6220 | Association of Circulating Biomarkers of Inc-IGSF3-1:1, SCOC-AS1, and SLC8A1-AS1 with Salt Sensitivity of Blood Pressure in Chinese Population. <i>Journal of Cardiovascular Translational Research</i> , 2021, , 1.                                   | 2.4 | 5         |
| 6221 | Identification of LIG1 and LIG3 as prognostic biomarkers in breast cancer. <i>Open Medicine (Poland)</i> , 2021, 16, 1705-1717.  | 1.3 | 2         |
| 6222 | Key genes associated with prognosis and metastasis of clear cell renal cell carcinoma. <i>PeerJ</i> , 2022, 10, e12493.  | 2.0 | 5         |
| 6223 | Prognostic value of immune related genes in lung adenocarcinoma. <i>Oncology Letters</i> , 2020, 20, 1-1.  | 1.8 | 5         |
| 6224 | Identification of hub genes associated with esophageal cancer progression using bioinformatics analysis. <i>Oncology Letters</i> , 2020, 20, 1-1.  | 1.8 | 3         |
| 6225 | Silencing <i>KIF14</i> reverses acquired resistance to sorafenib in hepatocellular carcinoma. <i>Aging</i> , 2020, 12, 22975-23003.  | 3.1 | 6         |
| 6226 | Genetic Parameter Estimation and Genome-Wide Association Study-Based Loci Identification of Milk-Related Traits in Chinese Holstein. <i>Frontiers in Genetics</i> , 2021, 12, 799664.  | 2.3 | 9         |
| 6227 | Supervised Machine Learning Models and Protein-Protein Interaction Network Analysis of Gene Expression Profiles Induced by Omega-3 Polyunsaturated Fatty Acids. <i>Current Chinese Science</i> , 2022, 2, 118-128.                                     | 0.5 | 1         |
| 6228 | Mitochondrial incompatibility as a hidden driver behind the genome ancestry of African admixed cattle. <i>BMC Biology</i> , 2022, 20, 20.  | 3.8 | 3         |
| 6229 | An antisense transcript transcribed from <i>Irs2</i> locus contributes to the pathogenesis of hepatic steatosis in insulin resistance. <i>Cell Chemical Biology</i> , 2022, , .  | 5.2 | 2         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 6230 | First Insight into the Variation of the Milk Serum Proteome within and between Individual Cows. Dairy, 2022, 3, 47-58.   | 2.0 | 0         |
| 6231 | Developing Biliary Atresia-like Model by Treating Human Liver Organoids with Polyinosinic:Polycytidylic Acid (Poly (I:C)). Current Issues in Molecular Biology, 2022, 44, 644-653.                                 | 2.4 | 3         |
| 6232 | Transgenerational Transcriptomic and DNA Methylome Profiling of Mouse Fetal Testicular Germline and Somatic Cells after Exposure of Pregnant Mothers to Tributyltin, a Potent Obesogen. Metabolites, 2022, 12, 95. | 2.9 | 6         |
| 6233 | Gene Ontology Groups and Signaling Pathways Regulating the Process of Avian Satellite Cell Differentiation. Genes, 2022, 13, 242.  | 2.4 | 8         |
| 6234 | Overexpression of chaperonin containing TCP1 subunit 7 has diagnostic and prognostic value for hepatocellular carcinoma. Aging, 2022, 14, 747-769.   | 3.1 | 9         |
| 6235 | BRAF Inhibitors Reprogram Cancer-Associated Fibroblasts to Drive Matrix Remodeling and Therapeutic Escape in Melanoma. Cancer Research, 2022, 82, 419-432.   | 0.9 | 17        |
| 6236 | m6Adecom: Analysis of m6A profile matrix based on graph regularized non-negative matrix factorization. Methods, 2022, 203, 322-327.  | 3.8 | 4         |
| 6237 | Identification of four novel hub genes as monitoring biomarkers for colorectal cancer. Hereditas, 2022, 159, 11.   | 1.4 | 3         |
| 6238 | Bioinformatic Analysis Combined With Experimental Validation Reveals Novel Hub Genes and Pathways Associated With Focal Segmental Glomerulosclerosis. Frontiers in Molecular Biosciences, 2021, 8, 691966.         | 3.5 | 4         |
| 6239 | Molecular Mechanism of Gelsemium elegans (Gardner and Champ.) Benth. Against Neuropathic Pain Based on Network Pharmacology and Experimental Evidence. Frontiers in Pharmacology, 2021, 12, 792932.                | 3.5 | 11        |
| 6240 | PBK/TOPK Inhibitor Suppresses the Progression of Prolactinomas. Frontiers in Endocrinology, 2021, 12, 706909.  | 3.5 | 1         |
| 6241 | Different genes may be involved in distal and local sensitization: A genome-wide gene-based association study and meta-analysis. European Journal of Pain, 2022, 26, 740-753.                                      | 2.8 | 3         |
| 6242 | Computational analyses of mechanism of action (MoA): data, methods and integration. RSC Chemical Biology, 2022, 3, 170-200.  | 4.1 | 32        |
| 6243 | Proteomic profiling of cisplatin-resistant and cisplatin-sensitive germ cell tumour cell lines using quantitative mass spectrometry. World Journal of Urology, 2022, 40, 373.                                      | 2.2 | 3         |
| 6244 | Analysis of the effect of NEKs on the prognosis of patients with non-small-cell lung carcinoma based on bioinformatics. Scientific Reports, 2022, 12, 1705.  | 3.3 | 4         |
| 6245 | Immune Activity and Response Differences of Oncolytic Viral Therapy in Recurrent Glioblastoma: Gene Expression Analyses of a Phase IB Study. Clinical Cancer Research, 2022, 28, 498-506.                          | 7.0 | 12        |
| 6246 | Chrysin, which targets PLA2, protects PC12 cells from OGD/R-stimulated damage through repressing the NF- $\kappa$ B signaling pathway. Regenerative Therapy, 2022, 19, 69-76.                                      | 3.0 | 4         |
| 6247 | Time Series Ovarian Transcriptome Analyses of the Porcine Estrous Cycle Reveals Gene Expression Changes during Steroid Metabolism and Corpus Luteum Development. Animals, 2022, 12, 376.                           | 2.3 | 5         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6248 | HOXB4 Mis-Regulation Induced by Microcystin-LR and Correlated With Immune Infiltration Is Unfavorable to Colorectal Cancer Prognosis. <i>Frontiers in Oncology</i> , 2022, 12, 803493.   | 2.8  | 4         |
| 6249 | MYC/MAX-Activated LINC00958 Promotes Lung Adenocarcinoma by Oncogenic Transcriptional Reprogramming Through HOXA1 Activation. <i>Frontiers in Oncology</i> , 2022, 12, 807507.   | 2.8  | 6         |
| 6250 | Clinical Utility of a Unique Genome-Wide DNA Methylation Signature for KMT2A-Related Syndrome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1815.  | 4.1  | 8         |
| 6251 | Network Pharmacology Prediction and Molecular Docking-Based Strategy to Discover the Potential Pharmacological Mechanism of Wen-Yu-Jin against Pulmonary Fibrosis in a Mouse Model. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-16. | 1.2  | 5         |
| 6252 | Biological response of adrenal carcinoma and melanoma cells to mitotane treatment. <i>Oncology Letters</i> , 2022, 23, 120.  | 1.8  | 6         |
| 6253 | As a prognostic biomarker of clear cell renal cell carcinoma RUFY4 predicts immunotherapy responsiveness in a PDL1-related manner. <i>Cancer Cell International</i> , 2022, 22, 66.  | 4.1  | 2         |
| 6256 | Proteomic Analysis of Protective Effects of Epimedium Flavonoids against Ethanol-Induced Toxicity in Retinoic Acid-Treated SH-SY5Y Cells. <i>Molecules</i> , 2022, 27, 1026.   | 3.8  | 3         |
| 6257 | An instructive role for Interleukin-7 receptor $\text{Î}\pm$ in the development of human B-cell precursor leukemia. <i>Nature Communications</i> , 2022, 13, 659.  | 12.8 | 12        |
| 6258 | Clinical Significance of TET2 in Female Cancers. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 790605.  | 4.1  | 6         |
| 6259 | Label-Free Quantitative Proteomics to Explore the Action Mechanism of the Pharmaceutical-Grade Triticum vulgare Extract in Speeding Up Keratinocyte Healing. <i>Molecules</i> , 2022, 27, 1108.  | 3.8  | 5         |
| 6260 | Dimensionality Reduction and Louvain Agglomerative Hierarchical Clustering for Cluster-Specified Frequent Biomarker Discovery in Single-Cell Sequencing Data. <i>Frontiers in Genetics</i> , 2022, 13, 828479.   | 2.3  | 10        |
| 6261 | Biomarker Value of miR-221 and miR-222 as Potential Substrates in the Differential Diagnosis of Papillary Thyroid Cancer Based on Data Synthesis and Bioinformatics Approach. <i>Frontiers in Endocrinology</i> , 2021, 12, 794490.                                  | 3.5  | 7         |
| 6262 | Identification of key genes in oral squamous cell carcinoma by integrated bioinformatics analysis. <i>Biologia (Poland)</i> , 2022, 77, 907-914.   | 1.5  | 0         |
| 6263 | Single-molecule long-read sequencing reveals the potential impact of posttranscriptional regulation on gene dosage effects on the avian Z chromosome. <i>BMC Genomics</i> , 2022, 23, 122.   | 2.8  | 2         |
| 6264 | Unveiling the anti-senescence effects and senescence-associated secretory phenotype (SASP) inhibitory mechanisms of <i>Scutellaria baicalensis</i> Georgi in low glucose-induced astrocytes based on boolean network. <i>Phytomedicine</i> , 2022, 99, 153990.       | 5.3  | 3         |
| 6267 | A pan-cancer analysis of the oncogenic role of Holliday junction recognition protein in human tumors. <i>Open Medicine (Poland)</i> , 2022, 17, 317-328.   | 1.3  | 3         |
| 6269 | Evolutionary impacts of purine metabolism genes on mammalian oxidative stress adaptation. <i>Zoological Research</i> , 2022, 43, 241-254.  | 2.1  | 21        |
| 6270 | Prognostic Values and Underlying Regulatory Network of Cohesin Subunits in Esophageal Carcinoma. <i>Journal of Cancer</i> , 2022, 13, 1588-1602.   | 2.5  | 2         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6272 | Molecular basis of AR and STK11 genes associated pathogenesis via AMPK pathway and adipocytokine signalling pathway in the development of metabolic disorders in PCOS women. Beni-Suef University Journal of Basic and Applied Sciences, 2022, 11, .                         | 2.0  | 2         |
| 6273 | Multi-omics reveals mitochondrial metabolism proteins susceptible for drug discovery in AML. Leukemia, 2022, , .   | 7.2  | 7         |
| 6274 | Analysis of Novel Variants Associated with Three Human Ovarian Cancer Cell Lines. Current Bioinformatics, 2022, 17, 380-392.   | 1.5  | 1         |
| 6275 | Gene expression profiling reveals candidate biomarkers and probable molecular mechanisms in chronic stress. Bioengineered, 2022, 13, 6048-6060.  | 3.2  | 3         |
| 6276 | In Silico Studies of Phytoconstituents from Piper longum and Ocimum sanctum as ACE2 and TMRSS2 Inhibitors: Strategies to Combat COVID-19. Applied Biochemistry and Biotechnology, 2023, 195, 2618-2635.  | 2.9  | 7         |
| 6277 | A Pancancer Analysis of the Oncogenic Role of S100 Calcium Binding Protein A7 (S100A7) in Human Tumors. Biology, 2022, 11, 284.  | 2.8  | 0         |
| 6278 | A hemimetabolous wing development suggests the wing origin from lateral tergum of a wingless ancestor. Nature Communications, 2022, 13, 979.   | 12.8 | 13        |
| 6279 | Dishevelled-Associated Activator of Morphogenesis 2 (DAAM2) Predicts the Immuno-Hot Phenotype in Pancreatic Adenocarcinoma. Frontiers in Molecular Biosciences, 2022, 9, 750083.   | 3.5  | 1         |
| 6280 | Human APOE ε3 and APOE ε4 Alleles Have Differential Effects on Mouse Olfactory Epithelium. Journal of Alzheimer's Disease, 2022, 85, 1481-1494.  | 2.6  | 3         |
| 6281 | Comprehensive Analysis of LncRNA AC010789.1 Delays Androgenic Alopecia Progression by Targeting MicroRNA-21 and the Wnt/β2-Catenin Signaling Pathway in Hair Follicle Stem Cells. Frontiers in Genetics, 2022, 13, 782750.   | 2.3  | 4         |
| 6283 | Identification of Candidate lncRNA and Pseudogene Biomarkers Associated with Carbon-Nanotube-Induced Malignant Transformation of Lung Cells and Prediction of Potential Preventive Drugs. International Journal of Environmental Research and Public Health, 2022, 19, 2936. | 2.6  | 5         |
| 6285 | Lichen Secondary Metabolites Inhibit the Wnt/β2-Catenin Pathway in Glioblastoma Cells and Improve the Anticancer Effects of Temozolomide. Cells, 2022, 11, 1084.   | 4.1  | 17        |
| 6286 | Liver X receptor-agonist treatment rescues degeneration in a Drosophila model of hereditary spastic paraplegia. Acta Neuropathologica Communications, 2022, 10, 40.  | 5.2  | 3         |
| 6287 | The implication of holocytochrome c synthase mutation in Korean familial hypoplastic amelogenesis imperfecta. Clinical Oral Investigations, 2022, 26, 4487-4498.   | 3.0  | 1         |
| 6288 | Bioinformatics Analysis and Identification of Potential Genes Associated with Pathogenesis and Prognosis of Gastric Cancer. Current Medical Science, 2022, 42, 357-372.  | 1.8  | 1         |
| 6289 | SCAPE: a mixture model revealing single-cell polyadenylation diversity and cellular dynamics during cell differentiation and reprogramming. Nucleic Acids Research, 2022, 50, e66-e66.   | 14.5 | 13        |
| 6290 | The transcription factor HLH-26 controls probiotic-mediated protection against intestinal infection through up-regulation of the Wnt/BAR-1 pathway. PLoS Biology, 2022, 20, e3001581.  | 5.6  | 7         |
| 6291 | Transcriptional atlas analysis from multiple tissues reveals the expression specificity patterns in beef cattle. BMC Biology, 2022, 20, 79.  | 3.8  | 12        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 6294 | Proteomic Alterations in Follicular Fluid of Human Small Antral Follicles Collected from Polycystic Ovaries—A Pilot Study. <i>Life</i> , 2022, 12, 391.   | 2.4  | 0         |
| 6295 | Identification of the Immune Signatures for Ovarian Cancer Based on the Tumor Immune Microenvironment Genes. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 772701.   | 3.7  | 6         |
| 6296 | Divergent regulatory roles of NuRD chromatin remodeling complex subunits GATAD2 and CHD4 in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2022, 221, .  | 2.9  | 2         |
| 6297 | Construction of MicroRNA-mRNA Regulatory Network in the Molecular Mechanisms of Bleomycin-Induced Pulmonary Fibrosis. <i>BioMed Research International</i> , 2022, 2022, 1-12.  | 1.9  | 0         |
| 6298 | Global Quantitative Proteomics Analysis Reveals the Downstream Signaling Networks of Msx1 and Msx2 in Myoblast Differentiation. <i>Phenomics</i> , 0, , 1.  | 2.9  | 0         |
| 6299 | Transcriptional Profiling and Deriving a Seven-Gene Signature That Discriminates Active and Latent Tuberculosis: An Integrative Bioinformatics Approach. <i>Genes</i> , 2022, 13, 616.  | 2.4  | 12        |
| 6300 | Uncovering the Pharmacological Mechanisms of Gexia-Zhuyu Formula (GXZY) in Treating Liver Cirrhosis by an Integrative Pharmacology Strategy. <i>Frontiers in Pharmacology</i> , 2022, 13, 793888.   | 3.5  | 4         |
| 6301 | Anticancer Activity of Erianin: Cancer-Specific Target Prediction Based on Network Pharmacology. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 862932.   | 3.5  | 13        |
| 6302 | Identification of autophagy related genes in predicting the prognosis and aiding 5- fluorouracil therapy of colorectal cancer. <i>Heliyon</i> , 2022, 8, e09033.  | 3.2  | 3         |
| 6304 | Identifying Active Substances and the Pharmacological Mechanism of <i>Houttuynia cordata</i> Thunb. in Treating Radiation-Induced Lung Injury Based on Network Pharmacology and Molecular Docking Verification. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-13.      | 1.2  | 5         |
| 6305 | Biotargets for mediation of arsenic-induced coronary heart disease by calycosin. <i>Food and Agricultural Immunology</i> , 2022, 33, 207-219.   | 1.4  | 0         |
| 6307 | Circ_0001174 facilitates osteosarcoma cell proliferation, migration, and invasion by targeting the miR-186-5p/MACC1 axis. <i>Journal of Orthopaedic Surgery and Research</i> , 2022, 17, 159.   | 2.3  | 5         |
| 6308 | Transcriptomic and fatty acid analyses of <i>Neochloris aquatica</i> grown under different nitrogen concentration. <i>Functional and Integrative Genomics</i> , 2022, 22, 407-421.  | 3.5  | 3         |
| 6309 | <i>Eucommia ulmoides</i> Oliver-Tribulus terrestris L. Drug Pair Regulates Ferroptosis by Mediating the Neurovascular-Related Ligand-Receptor Interaction Pathway- A Potential Drug Pair for Treatment Hypertension and Prevention Ischemic Stroke. <i>Frontiers in Neurology</i> , 2022, 13, 833922. | 2.4  | 16        |
| 6310 | Integrated Analysis of Transcriptomic and Genomic Data Reveals Blood Biomarkers With Diagnostic and Prognostic Potential in Non-small Cell Lung Cancer. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 774738.  | 3.5  | 3         |
| 6311 | Temporal and spatial cellular and molecular pathological alterations with single-cell resolution in the adult spinal cord after injury. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 65.  | 17.1 | 49        |
| 6312 | Establishment of a Combined Diagnostic Model of Abdominal Aortic Aneurysm with Random Forest and Artificial Neural Network. <i>BioMed Research International</i> , 2022, 2022, 1-15.  | 1.9  | 8         |
| 6313 | Identification and verification of potential core genes in pediatric septic shock. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2022, 25, .   | 1.1  | 2         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 6314 | Survival analysis of pathway activity as a prognostic determinant in breast cancer. PLoS Computational Biology, 2022, 18, e1010020.   | 3.2  | 4         |
| 6315 | Clinical significance of mitogen-activated protein kinase kinase kinases in hepatitis B virus -related hepatocellular carcinoma and underlying mechanism exploration. Bioengineered, 2022, 13, 6819-6838.   | 3.2  | 0         |
| 6316 | DAVID: a web server for functional enrichment analysis and functional annotation of gene lists (2021Åupdate). Nucleic Acids Research, 2022, 50, W216-W221.  | 14.5 | 1,694     |
| 6317 | Gene Expression over Time during Cell Transformation Due to Non-Genotoxic Carcinogen Treatment of Bhas 42 Cells. International Journal of Molecular Sciences, 2022, 23, 3216.                               | 4.1  | 9         |
| 6318 | Adult mouse fibroblasts retain organ-specific transcriptomic identity. ELife, 2022, 11, .   | 6.0  | 14        |
| 6319 | Centrosomal protein 290 is a novel prognostic indicator that modulates liver cancer cell ferroptosis via the Nrf2 pathway. Aging, 2022, 14, 2367-2382.  | 3.1  | 4         |
| 6320 | Multi-Omics Characterization of Early- and Adult-Onset Major Depressive Disorder. Journal of Personalized Medicine, 2022, 12, 412.  | 2.5  | 7         |
| 6321 | In Silico Analysis of the Correlation of KIF2C with Prognosis and Immune Infiltration in Glioma. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-22.                                      | 1.3  | 4         |
| 6322 | Loss-of-function of KMT5B leads to neurodevelopmental disorder and impairs neuronal development and neurogenesis. Journal of Genetics and Genomics, 2022, 49, 881-890.                                      | 3.9  | 7         |
| 6323 | Comprehensive proteomic profiling of plasma and serum phosphatidylserine-positive extracellular vesicles reveals tissue-specific proteins. IScience, 2022, 25, 104012.                                      | 4.1  | 24        |
| 6324 | Genetic Modeling and Genomic Analyses of Yearling Temperament in American Angus Cattle and Its Relationship With Productive Efficiency and Resilience Traits. Frontiers in Genetics, 2022, 13, 794625.      | 2.3  | 2         |
| 6325 | Identification of key candidate genes and biological pathways in the synovial tissue of patients with rheumatoid arthritis. Experimental and Therapeutic Medicine, 2022, 23, 368.                           | 1.8  | 5         |
| 6326 | Validation and Characterization of FGFR2 Rearrangements in Cholangiocarcinoma with Comprehensive Genomic Profiling. Journal of Molecular Diagnostics, 2022, 24, 351-364.                                    | 2.8  | 5         |
| 6327 | Structure-based design of CDC42 effector interaction inhibitors for the treatment of cancer. Cell Reports, 2022, 39, 110641.  | 6.4  | 5         |
| 6328 | Bioinformatics Screening of Potential Biomarkers from mRNA Expression Profiles to Discover Drug Targets and Agents for Cervical Cancer. International Journal of Molecular Sciences, 2022, 23, 3968.        | 4.1  | 13        |
| 6329 | Subunits of C1Q Are Associated With the Progression of Intermittent Claudication to Chronic Limb-Threatening Ischemia. Frontiers in Cardiovascular Medicine, 2022, 9, 864461.                               | 2.4  | 1         |
| 6330 | ADAM19 and TUBB1 correlates with tumor infiltrating immune cells and predicts prognosis in osteosarcoma. Combinatorial Chemistry and High Throughput Screening, 2022, 25, .                                 | 1.1  | 1         |
| 6331 | Developing a Genetic Biomarker-based Diagnostic Model for Major Depressive Disorder using Random Forests and Artificial Neural Networks. Combinatorial Chemistry and High Throughput Screening, 2022, 25, . | 1.1  | 1         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6332 | Doublecortin mutation leads to persistent defects in the Golgi apparatus and mitochondria in adult hippocampal pyramidal cells. <i>Neurobiology of Disease</i> , 2022, 168, 105702.  | 4.4  | 0         |
| 6333 | An integrative computational approach to predict stress-specific candidate and shared genes in multiple plant stresses. <i>Plant Gene</i> , 2022, 30, 100356.  | 2.3  | 1         |
| 6334 | STAT4 and COL1A2 are potential diagnostic biomarkers and therapeutic targets for heart failure comorbid with depression. <i>Brain Research Bulletin</i> , 2022, 184, 68-75.  | 3.0  | 12        |
| 6335 | In silico studies reveal the anti-osteosarcoma targets and action mechanisms of resveratrol. <i>Process Biochemistry</i> , 2022, 117, 191-197.   | 3.7  | 0         |
| 6336 | Cytokine and Nitric Oxide-Dependent Gene Regulation in Islet Endocrine and Nonendocrine Cells. <i>Function</i> , 2021, 3, zqab063.   | 2.3  | 5         |
| 6338 | Methylome inheritance and enhancer dememorization reset an epigenetic gate safeguarding embryonic programs. <i>Science Advances</i> , 2021, 7, eabl3858.   | 10.3 | 12        |
| 6339 | Potential Novel Modules and Hub Genes as Prognostic Candidates of Thyroid Cancer by Weighted Gene Co-Expression Network Analysis. <i>International Journal of General Medicine</i> , 2021, Volume 14, 9433-9444.                         | 1.8  | 4         |
| 6340 | Bulk and Single-Cell Profiling of Breast Tumors Identifies TREM-1 as a Dominant Immune Suppressive Marker Associated With Poor Outcomes. <i>Frontiers in Oncology</i> , 2021, 11, 734959.  | 2.8  | 8         |
| 6341 | Comparative analysis of genome-wide copy number variations between Tibetan sheep and White Suffolk sheep. <i>Animal Biotechnology</i> , 2023, 34, 986-993.   | 1.5  | 3         |
| 6342 | Smell Detection Agent Optimisation Framework and Systems Biology Approach to Detect Dys-Regulated Subnetwork in Cancer Data. <i>Biomolecules</i> , 2022, 12, 37.   | 4.0  | 0         |
| 6343 | Combination of Wnt/ $\beta$ -Catenin Targets S100A4 and DKK1 Improves Prognosis of Human Colorectal Cancer. <i>Cancers</i> , 2022, 14, 37.   | 3.7  | 7         |
| 6344 | Loss of USP28 and SPINT2 expression promotes cancer cell survival after whole genome doubling. <i>Cellular Oncology (Dordrecht)</i> , 2022, 45, 103-119.   | 4.4  | 8         |
| 6345 | Rahim AÄŸzÄ± Kanser Alt-Tiplerine Ä–zgÄ¼ MolekÄ¼ler Hedef, BiyoiÄŸyaretÄŸi Adaylar ve Yeniden KonumlandÄ±rÄ±lan Ä°laÅŸlarÄ±n Belirlenmesi. <i>International Journal of Advances in Engineering and Pure Sciences</i> , 0, , .            | 0.8  | 0         |
| 6346 | Genome-wide chromosomal association of Upf1 is linked to Pol II transcription in <i>Schizosaccharomyces pombe</i> . <i>Nucleic Acids Research</i> , 2022, 50, 350-367.   | 14.5 | 4         |
| 6347 | Exploring the Potential Targets and Mechanisms of Huang Lian Jie Du Decoction in the Treatment of Coronavirus Disease 2019 Based on Network Pharmacology. <i>International Journal of General Medicine</i> , 2021, Volume 14, 9873-9885. | 1.8  | 7         |
| 6348 | Lipopolysaccharide-Induced Transcriptional Changes in LBP-Deficient Rat and Its Possible Implications for Liver Dysregulation during Sepsis. <i>Journal of Immunology Research</i> , 2021, 2021, 1-14.                                   | 2.2  | 3         |
| 6350 | Somatic DNA demethylation generates tissue-specific methylation states and impacts flowering time. <i>Plant Cell</i> , 2022, 34, 1189-1206.  | 6.6  | 24        |
| 6351 | Identification of hub mRNA, miRNAs and LncRNAs of uveal melanoma with weighted gene correlation network analysis. , 2021, , .  |      | 0         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 6352 | The <i>Chlamydomonas</i> bZIP transcription factor BLZ8 confers oxidative stress tolerance by inducing the carbon-concentrating mechanism. <i>Plant Cell</i> , 2022, 34, 910-926.  | 6.6 | 20        |
| 6353 | Modular characteristics and the mechanism of Chinese medicine's treatment of gastric cancer: a data mining and pharmacology-based identification. <i>Annals of Translational Medicine</i> , 2021, 9, 1777-1777.                                | 1.7 | 6         |
| 6354 | Proteomic Analysis of Subchronic Furan Exposure in the Liver of Male Fischer F344 Rats. <i>Toxicologic Pathology</i> , 2022, 50, 47-59.  | 1.8 | 3         |
| 6355 | Identification of potential druggable targets of cell cycle with small-molecule inhibitors in oral squamous cell carcinoma. <i>Pharmacogenetics and Genomics</i> , 2021, Publish Ahead of Print, .   | 1.5 | 3         |
| 6356 | Manganese transport by <i>Streptococcus sanguinis</i> in acidic conditions and its impact on growth in vitro and in vivo. <i>Molecular Microbiology</i> , 2022, 117, 375-393.  | 2.5 | 7         |
| 6357 | oxLDL-Induced Trained Immunity Is Dependent on Mitochondrial Metabolic Reprogramming. <i>Immunometabolism</i> , 2021, 3, e210025.  | 1.6 | 20        |
| 6358 | Phenotypical, functional and transcriptomic comparison of two modified methods of hepatocyte differentiation from human induced pluripotent stem cells. <i>Biomedical Reports</i> , 2022, 16, 43.  | 2.0 | 1         |
| 6359 | Transcriptome alterations in spermatogonial stem cells exposed to bisphenol A. <i>Animal Cells and Systems</i> , 2022, 26, 70-83.  | 2.2 | 5         |
| 6360 | Activation of Complement Pathways in Kidney Tissue May Mediate Tubulointerstitial Injury in Diabetic Nephropathy. <i>Frontiers in Medicine</i> , 2022, 9, 845679.  | 2.6 | 3         |
| 6361 | Identification and characterization of circular RNAs in Longissimus dorsi muscle tissue from two goat breeds using RNA-Seq. <i>Molecular Genetics and Genomics</i> , 2022, 297, 817-831.   | 2.1 | 7         |
| 6362 | Macrophage inflammation resolution requires CPEB4-directed offsetting of mRNA degradation. <i>ELife</i> , 2022, 11, .  | 6.0 | 13        |
| 6363 | Lyophilized plasma resuscitation downregulates inflammatory gene expression in a mouse model of sepsis. <i>Journal of Trauma and Acute Care Surgery</i> , 2022, 93, S119-S127.   | 2.1 | 0         |
| 6364 | Long-term artificial selection of Hanwoo (Korean) cattle left genetic signatures for the breeding traits and has altered the genomic structure. <i>Scientific Reports</i> , 2022, 12, 6438.  | 3.3 | 6         |
| 6365 | PAGER Web APP: An Interactive, Online Gene Set and Network Interpretation Tool for Functional Genomics. <i>Frontiers in Genetics</i> , 2022, 13, 820361.   | 2.3 | 2         |
| 6366 | The Mechanism of <i>Dendrobium officinale</i> as a Treatment for Hyperlipidemia Based on Network Pharmacology and Experimental Validation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-23.                    | 1.2 | 2         |
| 6367 | Unraveling the Molecular Mechanism of Xuebijing Injection in the Treatment of Chronic Obstructive Pulmonary Disease by Combining Network Pharmacology and Affymetrix Array. <i>Natural Product Communications</i> , 2022, 17, 1934578X2210927. | 0.5 | 0         |
| 6368 | High-Throughput Sequencing Reveals CXCR4 and IGF1 Behave Different Roles in Weightlessness Osteoporosis. <i>Stem Cells International</i> , 2022, 2022, 1-16.   | 2.5 | 1         |
| 6369 | Identity of <i>MMP1</i> and its effects on tumor progression in head and neck squamous cell carcinoma. <i>Cancer Medicine</i> , 2022, 11, 2516-2530.   | 2.8 | 10        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 6370 | H3K4 demethylase KDM5B regulates cancer cell identity and epigenetic plasticity. <i>Oncogene</i> , 2022, 41, 2958-2972.   | 5.9 | 8         |
| 6371 | SLC35B2 Acts in a Dual Role in the Host Sulfation Required for EV71 Infection. <i>Journal of Virology</i> , 2022, 96, e0204221.   | 3.4 | 8         |
| 6372 | Identification of novel prognostic targets in glioblastoma using bioinformatics analysis. <i>BioMedical Engineering OnLine</i> , 2022, 21, 26.  | 2.7 | 19        |
| 6373 | Statistics and network-based approaches to identify molecular mechanisms that drive the progression of breast cancer. <i>Computers in Biology and Medicine</i> , 2022, 145, 105508.   | 7.0 | 24        |
| 6448 | Comprehensive bioinformatics analysis reveals the hub genes and pathways associated with multiple myeloma. <i>Hematology</i> , 2022, 27, 280-292.   | 1.5 | 6         |
| 6449 | Bioinformatics: Novel Insights from Genomic Information. <i>Nestle Nutrition Institute Workshop Series</i> , 2016, 84, 35-46.   | 0.1 | 1         |
| 6450 | Screening the components of <i>Saussurea involucrata</i> for novel targets for the treatment of NSCLC using network pharmacology. <i>BMC Complementary Medicine and Therapies</i> , 2022, 22, 53.                                 | 2.7 | 6         |
| 6452 | PathJam: a new service for integrating biological pathway information. <i>Journal of Integrative Bioinformatics</i> , 2010, 7, .  | 1.5 | 4         |
| 6453 | Gene expression data analysis using multiobjective clustering improved with SVM based ensemble. In <i>Silico Biology</i> , 2011, 11, 19-27.   | 0.9 | 1         |
| 6454 | Complete Genome Sequence Analysis of <i>Ralstonia solanacearum</i> Strain PeaFJ1 Provides Insights Into Its Strong Virulence in Peanut Plants. <i>Frontiers in Microbiology</i> , 2022, 13, 830900.                               | 3.5 | 10        |
| 6456 | Glomerular Expression of S100A8 in Lupus Nephritis: An Integrated Bioinformatics Analysis. <i>Frontiers in Immunology</i> , 2022, 13, 843576.   | 4.8 | 3         |
| 6457 | Exosomal RNA Expression Profiles and Their Prediction Performance in Patients With Gestational Diabetes Mellitus and Macrosomia. <i>Frontiers in Endocrinology</i> , 2022, 13, 864971.  | 3.5 | 8         |
| 6458 | Dominant transcript expression profiles of human protein-coding genes interrogated with GTEx dataset. <i>Scientific Reports</i> , 2022, 12, 6969.   | 3.3 | 2         |
| 6459 | Role of spt23 in <i>Saccharomyces cerevisiae</i> thermal tolerance. <i>Applied Microbiology and Biotechnology</i> , 2022, , 1.  | 3.6 | 2         |
| 6460 | Exploring the possible molecular targeting mechanism of <i>Saussurea involucrata</i> in the treatment of COVID-19 based on bioinformatics and network pharmacology. <i>Computers in Biology and Medicine</i> , 2022, 146, 105549. | 7.0 | 7         |
| 6461 | Gene Expression Profiling of Glioblastoma to Recognize Potential Biomarker Candidates. <i>Frontiers in Genetics</i> , 2022, 13, 832742.   | 2.3 | 3         |
| 6462 | Towards an Improved Understanding of the Effects of Elevated Progesterone Levels on Human Endometrial Receptivity and Oocyte/Embryo Quality during Assisted Reproductive Technologies. <i>Cells</i> , 2022, 11, 1405.             | 4.1 | 9         |
| 6463 | Silencing of YAP attenuates pericyteâ€myofibroblast transition and subretinal fibrosis in experimental model of choroidal neovascularization. <i>Cell Biology International</i> , 2022, 46, 1249-1263.                            | 3.0 | 4         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 6464 | Butyrate Inhibits Colorectal Cancer Cell Proliferation through Autophagy Degradation of $\beta$ -Catenin Regardless of APC and $\beta$ -Catenin Mutational Status. <i>Biomedicines</i> , 2022, 10, 1131.   | 3.2 | 17        |
| 6465 | LINC00922 promotes deterioration of gastric cancer. <i>PLoS ONE</i> , 2022, 17, e0267798.  | 2.5 | 1         |
| 6466 | In-silico, interactomic based screening and identification of differentially expressed miRNAs in oral submucous fibrosis and oral squamous cell carcinoma. , 2022, 33, 201041.   |     | 1         |
| 6467 | An Integrated Systematic Analysis and the Clinical Significance of Hepcidin in Common Malignancies of the Male Genitourinary System. <i>Frontiers in Genetics</i> , 2022, 13, .  | 2.3 | 3         |
| 6468 | Combinatorial Treatment with PARP-1 Inhibitors and Cisplatin Attenuates Cervical Cancer Growth through Fos-Driven Changes in Gene Expression. <i>Molecular Cancer Research</i> , 2022, 20, 1183-1192.  | 3.4 | 7         |
| 6469 | Proteomic Analysis Revealed Metabolic Inhibition and Elongation Factor Tu Deamidation by p-Coumaric Acid in <i>Cronobacter sakazakii</i> . <i>Frontiers in Microbiology</i> , 2022, 13, .  | 3.5 | 3         |
| 6470 | Identification of functionally important miRNA targeted genes associated with child obesity trait in genome-wide association studies. <i>BMC Genomics</i> , 2022, 23, 360.   | 2.8 | 4         |
| 6471 | A time-dependently regulated gene network reveals that <i>Aspergillus</i> protease affects mitochondrial metabolism and airway epithelial cell barrier function via mitochondrial oxidants. <i>Free Radical Biology and Medicine</i> , 2022, 185, 76-89. | 2.9 | 1         |
| 6472 | Bioinformatic approach for the discovery of cis-eQTL signals during fruit ripening of a woody species as grape ( <i>Vitis vinifera</i> L.). <i>Scientific Reports</i> , 2022, 12, 7481.  | 3.3 | 0         |
| 6473 | Single-Cell Transcriptomics Uncovers Cellular Heterogeneity, Mechanisms, and Therapeutic Targets for Parkinson's Disease. <i>Frontiers in Genetics</i> , 2022, 13, .   | 2.3 | 3         |
| 6474 | Translocon-associated Protein Subunit SSR3 Determines and Predicts Susceptibility to Paclitaxel in Breast Cancer and Glioblastoma. <i>Clinical Cancer Research</i> , 2022, 28, 3156-3169.  | 7.0 | 4         |
| 6475 | Genetic Basis of Left Ventricular Noncompaction. <i>Circulation Genomic and Precision Medicine</i> , 2022, 15, 101161CIRCGEN121003517.   | 3.6 | 23        |
| 6476 | Differentially expressed <i>EREG</i> and <i>SPP1</i> are independent prognostic markers in cervical squamous cell carcinoma. <i>Journal of Obstetrics and Gynaecology Research</i> , 2022, 48, 1848-1858.  | 1.3 | 4         |
| 6477 | Profiling the Human Phosphoproteome to Estimate the True Extent of Protein Phosphorylation. <i>Journal of Proteome Research</i> , 2022, 21, 1510-1524.   | 3.7 | 15        |
| 6478 | Antagonistic action of a synthetic androgen ligand mediated by chromatin remodeling in a human prostate cancer cell line. <i>Biochemical and Biophysical Research Communications</i> , 2022, 612, 110-118.   | 2.1 | 4         |
| 6479 | A ceRNA regulatory network in systemic lupus erythematosus and its molecular interplay with cancer. <i>Annals of Translational Medicine</i> , 2022, 10, 563-563.   | 1.7 | 2         |
| 6480 | A Comparative Genome-Wide Transcriptome Analysis of Glucocorticoid Responder and Non-Responder Primary Human Trabecular Meshwork Cells. <i>Genes</i> , 2022, 13, 882.  | 2.4 | 5         |
| 6481 | A novel hypoxia-driven gene signature that can predict the prognosis of hepatocellular carcinoma. <i>Bioengineered</i> , 2022, 13, 12193-12210.  | 3.2 | 6         |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 6482 | Breast Cancer-Stromal Interactions: Adipose-Derived Stromal/Stem Cell Age and Cancer Subtype Mediated Remodeling. <i>Stem Cells and Development</i> , 2022, 31, 604-620.  | 2.1  | 3         |
| 6483 | Regulator <scp>CDCA8</scp> as a potential biomarker for the prognosis of human cutaneous melanoma. <i>Journal of Cosmetic Dermatology</i> , 2022, , .   | 1.6  | 1         |
| 6484 | ERBB3 methylation and immune infiltration in tumor microenvironment of cervical cancer. <i>Scientific Reports</i> , 2022, 12, 8112.   | 3.3  | 5         |
| 6485 | Multi-omics approaches for comprehensive analysis and understanding of the immune response in the miniature pig breed. <i>PLoS ONE</i> , 2022, 17, e0263035.  | 2.5  | 1         |
| 6486 | Proteomic characterization of four subtypes of M2 macrophages derived from human THP-1 cells. <i>Journal of Zhejiang University: Science B</i> , 2022, 23, 407-422.   | 2.8  | 19        |
| 6487 | Exploring the Genetic Associations Between the Use of Statins and Alzheimer's Disease. <i>Journal of Lipid and Atherosclerosis</i> , 2022, 11, 133.   | 3.5  | 4         |
| 6488 | Dysadherin awakens mechanical forces and promotes colorectal cancer progression. <i>Theranostics</i> , 2022, 12, 4399-4414.   | 10.0 | 1         |
| 6490 | Constraint-Based, Score-Based and Hybrid Algorithms to Construct Bayesian Gene Networks in the Bovine Transcriptome. <i>Animals</i> , 2022, 12, 1305.   | 2.3  | 0         |
| 6491 | Downregulation of ASF1B inhibits tumor progression and enhances efficacy of cisplatin in pancreatic cancer. <i>Cancer Biomarkers</i> , 2022, 34, 647-659.   | 1.7  | 7         |
| 6492 | Identification of the Transcriptional Biomarkers Panel Linked to Pathological Remodelling of the Eye Tissues in Various HD Mouse Models. <i>Cells</i> , 2022, 11, 1675.   | 4.1  | 2         |
| 6493 | Schwann cells in the subcutaneous adipose tissue have neurogenic potential and can be used for regenerative therapies. <i>Science Translational Medicine</i> , 2022, 14, .  | 12.4 | 17        |
| 6494 | Gamma Irradiation Triggers Immune Escape in Glioma-Propagating Cells. <i>Cancers</i> , 2022, 14, 2728.  | 3.7  | 1         |
| 6495 | Hitchhiking Mapping of Candidate Regions Associated with Fat Deposition in Iranian Thin and Fat Tail Sheep Breeds Suggests New Insights into Molecular Aspects of Fat Tail Selection. <i>Animals</i> , 2022, 12, 1423.                    | 2.3  | 6         |
| 6496 | Bioinformatics Analysis for Identifying Differentially Expressed MicroRNAs Derived from Plasma Exosomes Associated with Radiotherapy Resistance in Non-Small-Cell Lung Cancer. <i>Applied Bionics and Biomechanics</i> , 2022, 2022, 1-8. | 1.1  | 6         |
| 6497 | LIMK1: A promising prognostic and immune infiltration indicator in colorectal cancer. <i>Oncology Letters</i> , 2022, 24, .   | 1.8  | 2         |
| 6498 | Editorial: Advancement in Gene Set Analysis: Gaining Insight From High-Throughput Data. <i>Frontiers in Genetics</i> , 0, 13, .   | 2.3  | 0         |
| 6499 | Tissue Sampling and Homogenization with NIRL Enables Spatially Resolved Cell Layer Specific Proteomic Analysis of the Murine Intestine. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6132.                              | 4.1  | 3         |
| 6500 | Analysis of Age-Dependent Transcriptomic Changes in Response to Intracerebral Hemorrhage in Mice. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, .  | 2.9  | 0         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 6501 | Dynamic DNA 5-Hydroxymethylcytosine and RNA 5-Methylcytosine Reprogramming During Early Human Development. <i>Genomics, Proteomics and Bioinformatics</i> , 2023, 21, 805-822.  | 6.9  | 1         |
| 6502 | Based on network pharmacology and molecular docking to predict the mechanism of Huangqi in the treatment of castration-resistant prostate cancer. <i>PLoS ONE</i> , 2022, 17, e0263291.   | 2.5  | 4         |
| 6503 | Integrated bioinformatics and statistical approaches to explore molecular biomarkers for breast cancer diagnosis, prognosis and therapies. <i>PLoS ONE</i> , 2022, 17, e0268967.  | 2.5  | 16        |
| 6504 | Comprehensive Analysis of Potential ceRNA Network and Different Degrees of Immune Cell Infiltration in Acute Respiratory Distress Syndrome. <i>Frontiers in Genetics</i> , 0, 13, .   | 2.3  | 0         |
| 6505 | PLXDC2 enhances invadopodium formation to promote invasion and metastasis of gastric cancer cells via interacting with PTP1B. <i>Clinical and Experimental Metastasis</i> , 2022, 39, 691-710.  | 3.3  | 2         |
| 6506 | A Network Pharmacology Study on the Similarities and Differences in the Mechanisms of Zuo Gui Wan/You Gui Wan for the Treatment of Premature Ovarian Failure. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2023, 26, 1167-1179. | 1.1  | 1         |
| 6507 | Network pharmacology-based prediction of active ingredient and Mechanisms of Astragalus membranaceus and Panax notoginseng coupled-herbs against Diabetic neuropathic pain. <i>Letters in Drug Design and Discovery</i> , 2022, 19, .             | 0.7  | 0         |
| 6508 | m6A Modification Involves in Enriched Environment-Induced Neurogenesis and Cognition Enhancement. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .  | 3.7  | 1         |
| 6509 | Integrated proteomics and transcriptomics analyses identify novel cell surface markers of HIV latency. <i>Virology</i> , 2022, 573, 50-58.  | 2.4  | 2         |
| 6510 | UBE2S promotes the development of ovarian cancer by promoting PI3K/AKT/mTOR signaling pathway to regulate cell cycle and apoptosis. <i>Molecular Medicine</i> , 2022, 28, .   | 4.4  | 12        |
| 6511 | Beyond GWASâ€”Could Genetic Differentiation within the Allograft Rejection Pathway Shape Natural Immunity to COVID-19?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6272.  | 4.1  | 3         |
| 6517 | Comparative iron oxide nanoparticle cellular dosimetry and response in mice by the inhalation and liquid cell culture exposure routes. <i>Particle and Fibre Toxicology</i> , 2014, 11, 46.   | 6.2  | 0         |
| 6518 | Integrative genomics and transcriptomics analysis of human embryonic and induced pluripotent stem cells. <i>BioData Mining</i> , 2014, 7, 32.   | 4.0  | 0         |
| 6519 | Analysis of dapagliflozin-induced expression profile of long noncoding RNAs in proximal tubular epithelial cells of diabetic kidney disease. <i>Diabetic Nephropathy</i> , 2021, 1, 77-89.  | 0.1  | 0         |
| 6520 | Integrative ontology and pathway-based approach identifies distinct molecular signatures in transcriptomes of esophageal squamous cell carcinoma. <i>Advances in Protein Chemistry and Structural Biology</i> , 2022, , 177-206.                  | 2.3  | 6         |
| 6521 | Methodology-Centered Review of Molecular Modeling, Simulation, and Prediction of SARS-CoV-2. <i>Chemical Reviews</i> , 2022, 122, 11287-11368.  | 47.7 | 38        |
| 6522 | Shotgun proteomic investigation of methyltransferase and methylation profiles in lipopolysaccharide stimulated RAW264.7 murine macrophages. <i>Biomedical Research</i> , 2022, 43, 73-80.   | 0.9  | 1         |
| 6523 | Identification of Candidate Genes Regulating Drought Tolerance in Pearl Millet. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6907.  | 4.1  | 8         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 6524 | Histone Deacetylase 6 Inhibitor JS28 Prevents Pathological Gene Expression in Cardiac Myocytes. <i>Journal of the American Heart Association</i> , 2022, 11, .  | 3.7  | 3         |
| 6525 | Neutrophil Infiltration Characterized by Upregulation of S100A8, S100A9, S100A12 and CXCR2 Is Associated With the Co-Occurrence of Crohn's Disease and Peripheral Artery Disease. <i>Frontiers in Immunology</i> , 0, 13, .   | 4.8  | 13        |
| 6526 | RNA Sequencing of the Pituitary Gland and Association Analyses Reveal PRKG2 as a Candidate Gene for Growth and Carcass Traits in Chinese Ningdu Yellow Chickens. <i>Frontiers in Veterinary Science</i> , 0, 9, .   | 2.2  | 2         |
| 6527 | A LytM-Domain Factor, ActS, Functions in Two Distinctive Peptidoglycan Hydrolytic Pathways in <i>E. coli</i> . <i>Frontiers in Microbiology</i> , 0, 13, .  | 3.5  | 3         |
| 6528 | Expression Profile of Genes Related to the Th17 Pathway in Macrophages Infected by <i>Leishmania major</i> and <i>Leishmania amazonensis</i> : The Use of Gene Regulatory Networks in Modeling This Pathway. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, . | 3.9  | 2         |
| 6529 | Proteomic and functional analyses of the periodic membrane skeleton in neurons. <i>Nature Communications</i> , 2022, 13, .  | 12.8 | 15        |
| 6530 | Weighted Gene Co-expression Network Analysis Identifies Specific Modules and Hub Genes Related to Subacute Ruminant Acidosis. <i>Frontiers in Veterinary Science</i> , 0, 9, .  | 2.2  | 1         |
| 6531 | Gene Expression Signatures Reveal Common Virus Infection Pathways in Target Tissues of Type 1 Diabetes, Hashimoto's Thyroiditis, and Celiac Disease. <i>Frontiers in Immunology</i> , 0, 13, .  | 4.8  | 2         |
| 6532 | Identification of Small-Molecule Inhibitors for Osteosarcoma Targeted Therapy: Synchronizing In Silico, In Vitro, and In Vivo Analyses. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .   | 4.1  | 0         |
| 6533 | Variation in glucose metabolism under acidified sodium nitrite mediated nitrosative stress in <i>Saccharomyces cerevisiae</i> . <i>Journal of Applied Microbiology</i> , 0, , .   | 3.1  | 0         |
| 6534 | Identification of novel biomarkers in prostate cancer diagnosis and prognosis. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, .   | 3.0  | 7         |
| 6535 | Ultrasensitive Ribo-seq reveals translational landscapes during mammalian oocyte-to-embryo transition and pre-implantation development. <i>Nature Cell Biology</i> , 2022, 24, 968-980.   | 10.3 | 57        |
| 6536 | Expression and Regulatory Network Analysis of BICC1 for Aged Sca-1-Positive Bone Marrow Mesenchymal Stem Cells. <i>Disease Markers</i> , 2022, 2022, 1-16.  | 1.3  | 1         |
| 6537 | The splicing factor 9G8 regulates the expression of NADPH-producing enzyme genes in <i>Drosophila</i> . <i>Biochemical and Biophysical Research Communications</i> , 2022, 620, 92-97.  | 2.1  | 1         |
| 6538 | SNHG5/miR-299-5p/ATF2 Axis as a Biomarker in Immune Microenvironment of Intervertebral Disc Degeneration. <i>Mediators of Inflammation</i> , 2022, 2022, 1-14.  | 3.0  | 1         |
| 6539 | A rat study model of depression-driven chronic prostatitis by modulating the PI3K/Akt/mTOR network. <i>Andrologia</i> , 2022, 54, .   | 2.1  | 2         |
| 6540 | Posterior cingulate cortex reveals an expression profile of resilience in cognitively intact elders. <i>Brain Communications</i> , 2022, 4, .   | 3.3  | 10        |
| 6541 | Antimicrobial peptide S100A12 (calgranulin C) inhibits growth, biofilm formation, pyoverdine secretion and suppresses type VI secretion system in <i>Pseudomonas aeruginosa</i> . <i>Microbial Pathogenesis</i> , 2022, 169, 105654.  | 2.9  | 9         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6542 | Reconstruction of gene innovation associated with major evolutionary transitions in the kingdom Fungi. BMC Biology, 2022, 20, .  | 3.8  | 6         |
| 6543 | Monocytic-Myeloid Derived Suppressor Cells Suppress T-Cell Responses in Recovered SARS CoV2-Infected Individuals. Frontiers in Immunology, 0, 13, .  | 4.8  | 7         |
| 6544 | The association between aging-related monocyte transcriptional networks and comorbidity burden: the Multi-Ethnic Study of Atherosclerosis (MESA). GeroScience, 0, , .  | 4.6  | 3         |
| 6545 | E2F2 promotes lung adenocarcinoma progression through B-Myb- and FOXM1-facilitated core transcription regulatory circuitry. International Journal of Biological Sciences, 2022, 18, 4151-4170.   | 6.4  | 4         |
| 6546 | DCLK1 promotes colorectal cancer stemness and aggressiveness via the XRCC5/COX2 axis. Theranostics, 2022, 12, 5258-5271.   | 10.0 | 16        |
| 6547 | Ferroptosis-related long non-coding RNA signature predicts the prognosis of bladder cancer. BMC Cancer, 2022, 22, .  | 2.6  | 10        |
| 6548 | Exploring Quercetin Anti-Osteoporosis Pharmacological Mechanisms with In Silico and In Vivo Models. Life, 2022, 12, 980.   | 2.4  | 10        |
| 6549 | EGFAFS: A Novel Feature Selection Algorithm Based on Explosion Gravitation Field Algorithm. Entropy, 2022, 24, 873.  | 2.2  | 1         |
| 6550 | A TP53 Related Immune Prognostic Model for the Prediction of Clinical Outcomes and Therapeutic Responses in Lung Adenocarcinoma. Frontiers in Immunology, 0, 13, .   | 4.8  | 1         |
| 6551 | Inferring functional communities from partially observed biological networks exploiting geometric topology and side information. Scientific Reports, 2022, 12, .   | 3.3  | 6         |
| 6552 | Protective Effect of Hedyotis diffusa Willd. Ethanol Extract on Isoniazid-Induced Liver Injury in the Zebrafish Model. Drug Design, Development and Therapy, 0, Volume 16, 1995-2015.  | 4.3  | 4         |
| 6553 | Identification of hub genes predicting the development of prostate cancer from benign prostate hyperplasia and analyzing their clinical value in prostate cancer by bioinformatic analysis. Discover Oncology, 2022, 13, .                                     | 2.1  | 5         |
| 6554 | SR5AL serves as a key regulatory gene in lycopene biosynthesis by Blakeslea trispora. Microbial Cell Factories, 2022, 21, .  | 4.0  | 2         |
| 6555 | Exploring the Anti-inflammatory Effects of Protopine Total Alkaloids of Macleaya Cordata (Willd.) R. Br.. Frontiers in Veterinary Science, 0, 9, .   | 2.2  | 4         |
| 6556 | Reduction of LPAR1 Expression in Neuroblastoma Promotes Tumor Cell Migration. Cancers, 2022, 14, 3346.   | 3.7  | 2         |
| 6557 | In Prostate Cancer Cells Cytokines Are Early Responders to Gravitational Changes Occurring in Parabolic Flights. International Journal of Molecular Sciences, 2022, 23, 7876.  | 4.1  | 3         |
| 6558 | Transcriptome profile of spleen tissues from locally-adapted Kenyan pigs (Sus scrofa) experimentally infected with three varying doses of a highly virulent African swine fever virus genotype IX isolate: Ken12/busia.1 (ken-1033). BMC Genomics, 2022, 23, . | 2.8  | 4         |
| 6559 | Functional analysis of the <i>Vsx2</i> super-enhancer uncovers distinct <i>cis</i>-regulatory circuits controlling <i>Vsx2</i> expression during retinogenesis. Development (Cambridge), 2022, 149, .  | 2.5  | 2         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6560 | Profiling the <scp>3D</scp> interaction between germ cell tumors and microenvironmental cells at the transcriptome and secretome level. <i>Molecular Oncology</i> , 2022, 16, 3107-3127.   | 4.6  | 6         |
| 6561 | Urinary extracellular vesicle as a potential biomarker of exercise-induced fatigue in young adult males. <i>European Journal of Applied Physiology</i> , 2022, 122, 2175-2188.   | 2.5  | 3         |
| 6562 | Impact of bisphenol-A on the spliceosome and meiosis of sperm in the testis of adolescent mice. <i>BMC Veterinary Research</i> , 2022, 18, .   | 1.9  | 8         |
| 6563 | Comprehensive Analysis of circRNA-miRNA-mRNA Regulatory Network and Novel Potential Biomarkers in Acute Myocardial Infarction. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .   | 2.4  | 2         |
| 6564 | HLA class II molecule HLA-DRA identifies immuno-hot tumors and predicts the therapeutic response to anti-PD-1 immunotherapy in NSCLC. <i>BMC Cancer</i> , 2022, 22, .  | 2.6  | 7         |
| 6565 | Miltirone Attenuates Reactive Oxygen Species-Dependent Neuronal Apoptosis in MPP+-Induced Cell Model of Parkinsonâ€™s Disease Through Regulating the PI3K/Akt Pathway. <i>Neurochemical Research</i> , 2022, 47, 3137-3149.            | 3.3  | 4         |
| 6566 | Downregulation of PGM5 expression correlates with tumor progression and poor prognosis in human prostate cancer. <i>Discover Oncology</i> , 2022, 13, .  | 2.1  | 1         |
| 6567 | MiR-487b suppressed inflammation and neuronal apoptosis in spinal cord injury by targeted Ifitm3. <i>Metabolic Brain Disease</i> , 2022, 37, 2405-2415.  | 2.9  | 7         |
| 6568 | Study on the Anti-demyelination Mechanism of Bu-Shen-Yi-Sui Capsule in the Central Nervous System Based on Network Pharmacology and Experimental Verification. <i>Mediators of Inflammation</i> , 2022, 2022, 1-23.                    | 3.0  | 1         |
| 6569 | Identification of molecular mechanisms underlying the therapeutic effects of Xintong granule in coronary artery disease by a network pharmacology and molecular docking approach. <i>Medicine (United States)</i> , 2022, 101, e29829. | 1.0  | 2         |
| 6570 | Integrative Analyses Identify Potential Key Genes and Calcium-Signaling Pathway in Familial Atrioventricular Nodal Reentrant Tachycardia Using Whole-Exome Sequencing. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .           | 2.4  | 2         |
| 6571 | Histologically resolved multiomics enables precise molecular profiling of human intratumor heterogeneity. <i>PLoS Biology</i> , 2022, 20, e3001699.  | 5.6  | 6         |
| 6572 | Impact of RNA degradation on next-generation sequencing transcriptome data. <i>Genomics</i> , 2022, 114, 110429.   | 2.9  | 8         |
| 6573 | Ras Inhibition in Glioblastoma Down-regulates Hypoxia-Inducible Factor-1 $\alpha$ , Causing Glycolysis Shutdown and Cell Death. <i>Cancer Research</i> , 2005, 65, 999-1006.   | 0.9  | 142       |
| 6575 | Inactivation of Sirt6 ameliorates muscular dystrophy in mdx mice by releasing suppression of utrophin expression. <i>Nature Communications</i> , 2022, 13, .   | 12.8 | 6         |
| 6577 | ESM1 Is a Promising Therapeutic Target and Prognostic Indicator for Esophageal Carcinogenesis/Esophageal Squamous Cell Carcinoma. <i>BioMed Research International</i> , 2022, 2022, 1-15.   | 1.9  | 2         |
| 6578 | A Diagnostic Gene Expression Signature for Bladder Cancer Can Stratify Cases into Prescribed Molecular Subtypes and Predict Outcome. <i>Diagnostics</i> , 2022, 12, 1801.  | 2.6  | 2         |
| 6579 | Identifying General Tumor and Specific Lung Cancer Biomarkers by Transcriptomic Analysis. <i>Biology</i> , 2022, 11, 1082.   | 2.8  | 6         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6581 | Lymphatic filarial serum proteome profiling for identification and characterization of diagnostic biomarkers. <i>PLoS ONE</i> , 2022, 17, e0270635.  | 2.5  | 2         |
| 6582 | Uncovering temporospatial sensitive TBI targeting strategies via in vivo phage display. <i>Science Advances</i> , 2022, 8, .   | 10.3 | 3         |
| 6583 | Mechanism of action of Bu Zhong Yi Qi Decoction in the treatment of chronic fatigue syndrome based on network pharmacology and molecular docking. <i>Pharmacological Research Modern Chinese Medicine</i> , 2022, 4, 100139. | 1.2  | 0         |
| 6586 | Identification of Novel Genes and Associated Drugs in Advanced Clear Cell Renal Cell Carcinoma by Bioinformatic Methods. <i>Tohoku Journal of Experimental Medicine</i> , 2022, 258, 79-90.                                  | 1.2  | 3         |
| 6588 | Î <sup>2</sup> -Glucocerebrosidase Deficiency Activates an Aberrant Lysosome-Plasma Membrane Axis Responsible for the Onset of Neurodegeneration. <i>Cells</i> , 2022, 11, 2343.   | 4.1  | 8         |
| 6589 | Signature pattern of gene expression and signaling pathway in premature diabetic patients uncover their correlation to early age coronary heart disease. <i>Diabetology and Metabolic Syndrome</i> , 2022, 14, .             | 2.7  | 0         |
| 6590 | Tenogenic induction of human adipose-derived stem cells by soluble tendon extracellular matrix: composition and transcriptomic analyses. <i>Stem Cell Research and Therapy</i> , 2022, 13, .                                 | 5.5  | 6         |
| 6591 | Pan-Cancer Analysis of Voltage-Dependent Anion Channel (VDAC1) as a Cancer Therapeutic Target or Diagnostic Biomarker. <i>Disease Markers</i> , 2022, 2022, 1-19.  | 1.3  | 4         |
| 6592 | Comprehensive analysis of the glutathione S-transferase Mu (GSTM) gene family in ovarian cancer identifies prognostic and expression significance. <i>Frontiers in Oncology</i> , 0, 12, .                                   | 2.8  | 6         |
| 6593 | Pten and p53 Loss in the Mouse Lung Causes Adenocarcinoma and Sarcomatoid Carcinoma. <i>Cancers</i> , 2022, 14, 3671.  | 3.7  | 5         |
| 6594 | Distinct GmASMTs are involved in regulating transcription factors and signalling cross-talk across embryo development, biotic, and abiotic stress in soybean. <i>Frontiers in Plant Science</i> , 0, 13, .                   | 3.6  | 4         |
| 6595 | IGF-binding proteins secreted by cancer-associated fibroblasts induce context-dependent drug sensitization of lung cancer cells. <i>Science Signaling</i> , 2022, 15, .  | 3.6  | 18        |
| 6596 | Metadata analysis to explore hub of the hub-genes highlighting their functions, pathways and regulators for cervical cancer diagnosis and therapies. <i>Discover Oncology</i> , 2022, 13, .                                  | 2.1  | 4         |
| 6597 | Qingfei Jiedu decoction inhibits PD-L1 expression in lung adenocarcinoma based on network pharmacology analysis, molecular docking and experimental verification. <i>Frontiers in Pharmacology</i> , 0, 13, .                | 3.5  | 9         |
| 6599 | Functional Pathway and Process Enrichment Analysis of Genes Associated With Morphological Abnormalities of the Outer Ear. <i>Journal of Craniofacial Surgery</i> , 0, Publish Ahead of Print, .                              | 0.7  | 1         |
| 6600 | Integrative analysis of circulating microRNAs and the placental transcriptome in recurrent pregnancy loss. <i>Frontiers in Physiology</i> , 0, 13, .   | 2.8  | 3         |
| 6601 | An improved Fuzzy based GWO algorithm for predicting the potential host receptor of COVID-19 infection. <i>Computers in Biology and Medicine</i> , 2022, 151, 106050.  | 7.0  | 8         |
| 6602 | Upregulation of key genes Eln and Tgfb3 were associated with the severity of cardiac hypertrophy. <i>BMC Genomics</i> , 2022, 23, .  | 2.8  | 2         |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 6604 | IQGAP1 and RNA Splicing in the Context of Head and Neck via Phosphoproteomics. <i>Journal of Proteome Research</i> , 2022, 21, 2211-2223.   | 3.7  | 4         |
| 6605 | Connecting omics signatures and revealing biological mechanisms with iLINCS. <i>Nature Communications</i> , 2022, 13, .   | 12.8 | 24        |
| 6606 | Yuan-Zhi decoction in the treatment of Alzheimer's disease: An integrated approach based on chemical profiling, network pharmacology, molecular docking and experimental evaluation. <i>Frontiers in Pharmacology</i> , 0, 13, .  | 3.5  | 6         |
| 6607 | Over-Expression of Two Different Isoforms of Cattle TUSC5 Showed Opposite Effects on Adipogenesis. <i>Genes</i> , 2022, 13, 1444.   | 2.4  | 1         |
| 6608 | Functional Characterization of <i>lncRNA152</i> as an Angiogenesis-Inhibiting Tumor Suppressor in Triple-Negative Breast Cancers. <i>Molecular Cancer Research</i> , 2022, 20, 1623-1635.   | 3.4  | 6         |
| 6609 | Identification of differentially expressed microRNAs as potential biomarkers for carcinoma ex pleomorphic adenoma. <i>Scientific Reports</i> , 2022, 12, .  | 3.3  | 4         |
| 6610 | The peroxisomal matrix shuttling receptor Pex5 plays a role of FB1 production and virulence in <i>Fusarium verticillioides</i> . <i>Journal of Integrative Agriculture</i> , 2022, , .  | 3.5  | 1         |
| 6611 | Influence of sire fertility status on conceptus-induced transcriptomic response of the bovine endometrium. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .  | 3.7  | 1         |
| 6612 | Potential Mechanisms of Biejiajian Pill in the Treatment of Diabetic Atherosclerosis Based on Network Pharmacology, Molecular Docking, and Molecular Dynamics Simulation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-14.                          | 1.2  | 5         |
| 6614 | Integrated strategy of network pharmacology, molecular docking, HPLC-DAD and mice model for exploring active ingredients and pharmacological mechanisms of <i>Penthorum chinense</i> Pursh against alcoholic liver injury. <i>Journal of Ethnopharmacology</i> , 2022, 298, 115589. | 4.1  | 9         |
| 6616 | Identification of the key immune-related genes in aneurysmal subarachnoid hemorrhage. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .   | 2.9  | 5         |
| 6617 | Inhibition of $\alpha$ -synuclein aggregation by MT101-5 is neuroprotective in mouse models of Parkinson's disease. <i>Biomedicine and Pharmacotherapy</i> , 2022, 154, 113637.   | 5.6  | 0         |
| 6618 | Vitamin C modulates the levels of several proteins of the mitochondrial complex III and its activity in the mouse liver. <i>Redox Biology</i> , 2022, 57, 102491.   | 9.0  | 0         |
| 6619 | Cellular and molecular profiles of larval and adult <i>Xenopus</i> corneal epithelia resolved at the single-cell level. <i>Developmental Biology</i> , 2022, 491, 13-30.  | 2.0  | 4         |
| 6620 | Identification of immune-related genes in atopic dermatitis, contact dermatitis, and psoriasis: A bioinformatics analysis. <i>Dermatologica Sinica</i> , 2022, 40, 162.   | 0.5  | 1         |
| 6621 | TEx-MST: tissue expression profiles of MANE select transcripts. <i>Database: the Journal of Biological Databases and Curation</i> , 2022, 2022, .   | 3.0  | 0         |
| 6622 | TCM Analysis Data Resources, Web Services and Visualizations. <i>Translational Bioinformatics</i> , 2022, , 99-110.   | 0.0  | 0         |
| 6623 | Identification of hub genes related to CD4+ memory T cell infiltration with gene co-expression network predicts prognosis and immunotherapy effect in colon adenocarcinoma. <i>Frontiers in Genetics</i> , 0, 13, .   | 2.3  | 1         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 6624 | Huayu Jiedu Fang Protects Ovarian Function in Mouse with Endometriosis Iron Overload by Inhibiting Ferroptosis. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-18.                               | 1.2 | 4         |
| 6625 | Identification of candidate biomarkers associated with gastric cancer prognosis based on an integrated bioinformatics analysis. Journal of Gastrointestinal Oncology, 2022, 13, 1690-1700.                             | 1.4 | 2         |
| 6626 | Life at the periphery: what makes CHO cells survival talents. Applied Microbiology and Biotechnology, 2022, 106, 6157-6167.  | 3.6 | 2         |
| 6627 | Screening of sphingolipid metabolism-related genes associated with immune cells in myocardial infarction: a bioinformatics analysis. Journal of Thoracic Disease, 2022, 14, 2987-2996.                                 | 1.4 | 0         |
| 6628 | Integrated Microarray Analysis to Identify Genes and Small-Molecule Drugs Associated with Stroke Progression. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-11.                                 | 1.2 | 2         |
| 6629 | Hypoxia induces an early primitive streak signature, enhancing spontaneous elongation and lineage representation in gastruloids. Development (Cambridge), 2022, 149, .   | 2.5 | 14        |
| 6630 | Potential Biomarkers and Signaling Pathways Associated with the Pathogenesis of Primary Ameloblastoma: A Systems Biology Approach. International Journal of Dentistry, 2022, 2022, 1-14.                               | 1.5 | 5         |
| 6632 | Genomic Effect of DNA Methylation on Gene Expression in Colorectal Cancer. Biology, 2022, 11, 1388.  | 2.8 | 5         |
| 6633 | Identification of the hub and prognostic genes in liver hepatocellular carcinoma via bioinformatics analysis. Frontiers in Molecular Biosciences, 0, 9, .  | 3.5 | 4         |
| 6634 | SLC7A1 Overexpression Is Involved in Energy Metabolism Reprogramming to Induce Tumor Progression in Epithelial Ovarian Cancer and Is Associated with Immune-Infiltrating Cells. Journal of Oncology, 2022, 2022, 1-21. | 1.3 | 5         |
| 6635 | Novel Cinnamaldehyde Derivatives Inhibit Peripheral Nerve Degeneration by Targeting Schwann Cells. Antioxidants, 2022, 11, 1846.   | 5.1 | 2         |
| 6636 | Dynamic regulation of the transcriptome and proteome of the equine embryo during maternal recognition of pregnancy. FASEB BioAdvances, 2022, 4, 775-797.   | 2.4 | 1         |
| 6637 | Integrated proteomics and metabolomics analysis of rice leaves in response to rice straw return. Frontiers in Plant Science, 0, 13, .  | 3.6 | 1         |
| 6639 | Atheroprone fluid shear stress-regulated ALK1-Endoglin-SMAD signaling originates from early endosomes. BMC Biology, 2022, 20, .  | 3.8 | 9         |
| 6640 | Identifying Toxicity Mechanisms Associated with Early Lanthanide Exposure through Multidimensional Genome-Wide Screening. ACS Omega, 2022, 7, 34412-34419.   | 3.5 | 5         |
| 6641 | DIO3 protects against thyrotoxicosis-derived cranio-encephalic and cardiac congenital abnormalities. JCI Insight, 2022, 7, .   | 5.0 | 5         |
| 6642 | Identification and verification of CCNB1 as a potential prognostic biomarker by comprehensive analysis. Scientific Reports, 2022, 12, .  | 3.3 | 3         |
| 6643 | Transcriptome analysis of the response to thyroid hormone in <i>Xenopus</i> neural stem and progenitor cells. Developmental Dynamics, 2023, 252, 294-304.  | 1.8 | 2         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 6644 | Integrative Bioinformatics Analysis Reveals That miR-524-5p/MEF2C Regulates Bone Metastasis in Prostate Cancer and Breast Cancer. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-13.   | 1.3  | 2         |
| 6645 | Bioinformatic identification of differentially expressed genes associated with hepatocellular carcinoma prognosis. Medicine (United States), 2022, 101, e30678.   | 1.0  | 0         |
| 6646 | Integrated Bioinformatics and Validation of lncRNA-Mediated ceRNA Network in Myocardial Ischemia/Reperfusion Injury. Journal of Immunology Research, 2022, 2022, 1-13.  | 2.2  | 7         |
| 6647 | An Integrated Proteomic Strategy to Identify SHP2 Substrates. Journal of Proteome Research, 2022, 21, 2515-2525.  | 3.7  | 4         |
| 6649 | Pregestational diabetes alters cardiac structure and function of neonatal rats through developmental plasticity. Frontiers in Cardiovascular Medicine, 0, 9, .  | 2.4  | 6         |
| 6650 | Systematic evaluation of tumor microenvironment and construction of a machine learning model to predict prognosis and immunotherapy efficacy in triple-negative breast cancer based on data mining and sequencing validation. Frontiers in Pharmacology, 0, 13, . | 3.5  | 3         |
| 6651 | Comprehensive analysis of PTPN gene family revealing PTPN7 as a novel biomarker for immuno-hot tumors in breast cancer. Frontiers in Genetics, 0, 13, .   | 2.3  | 6         |
| 6653 | Network pharmacology and in vitro experiments-based strategy to investigate the mechanisms of KangXianYiAi formula for hepatitis B virus-related hepatocellular carcinoma. Frontiers in Pharmacology, 0, 13, .  | 3.5  | 3         |
| 6654 | Fetal Programming of the Endocrine Pancreas: Impact of a Maternal Low-Protein Diet on Gene Expression in the Perinatal Rat Pancreas. International Journal of Molecular Sciences, 2022, 23, 11057.  | 4.1  | 0         |
| 6655 | Research into the mechanism of intervention of SanQi in endometriosis based on network pharmacology and molecular docking technology. Medicine (United States), 2022, 101, e30021.  | 1.0  | 5         |
| 6656 | Bioinformatics-based identification of key genes and pathways associated with colorectal cancer diagnosis, treatment, and prognosis. Medicine (United States), 2022, 101, e30619.   | 1.0  | 0         |
| 6658 | Structural insights into molecular mechanism for N6-adenosine methylation by MT-A70 family methyltransferase METTL4. Nature Communications, 2022, 13, .   | 12.8 | 18        |
| 6659 | The cytotoxicity of karanjin toward breast cancer cells is involved in the PI3K/Akt signaling pathway. Drug Development Research, 2022, 83, 1673-1682.  | 2.9  | 3         |
| 6660 | A Potential Anticancer Mechanism of Finger Root (Boesenbergia rotunda) Extracts against a Breast Cancer Cell Line. Scientifica, 2022, 2022, 1-17.   | 1.7  | 5         |
| 6661 | Conditional Covalent Lethality Driven by Oncometabolite Accumulation. ACS Chemical Biology, 2022, 17, 2789-2800.  | 3.4  | 1         |
| 6662 | Inhibition of Staphylococcus aureus biofilm formation by gurmarin, a plant-derived cyclic peptide. Frontiers in Cellular and Infection Microbiology, 0, 12, .   | 3.9  | 4         |
| 6663 | Identification of bromodomain-containing proteins prognostic value and expression significance based on a genomic landscape analysis of ovarian serous cystadenocarcinoma. Frontiers in Oncology, 0, 12, .  | 2.8  | 3         |
| 6664 | Single-cell RNA-seq reveals early heterogeneity during aging in yeast. Aging Cell, 2022, 21, .  | 6.7  | 6         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6665 | <scp>SIRT3</scp> deficiency decreases oxidative metabolism capacity but increases lifespan in male mice under caloric restriction. <i>Aging Cell</i> , 2022, 21, .   | 6.7  | 8         |
| 6666 | Elucidation of active ingredients and mechanism of action of hawthorn in the prevention and treatment of atherosclerosis. <i>Journal of Food Biochemistry</i> , 2022, 46, .                                  | 2.9  | 5         |
| 6667 | Discovery and Biological Characterization of PRMT5:MEP50 Proteinâ€™Protein Interaction Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 13793-13812.  | 6.4  | 8         |
| 6668 | Lnc-SELPLG-2:1 enhanced osteosarcoma oncogenesis via hsa-miR-10a-5p and the BTRC cascade. <i>BMC Cancer</i> , 2022, 22, .  | 2.6  | 0         |
| 6669 | Single-cell epigenome analysis reveals age-associated decay of heterochromatin domains in excitatory neurons in the mouse brain. <i>Cell Research</i> , 2022, 32, 1008-1021.                                 | 12.0 | 16        |
| 6670 | Prognostic Significance of ANGPTL4 in Lung Adenocarcinoma: A Meta-Analysis Based on Integrated TCGA and GEO Databases. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-16.      | 1.2  | 2         |
| 6671 | Identification of an 11 immune-related gene signature as the novel biomarker for acute myocardial infarction diagnosis. <i>Genes and Immunity</i> , 2022, 23, 209-217.                                       | 4.1  | 3         |
| 6672 | Apelin as a new therapeutic target for COVID-19 treatment. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2023, 116, 197-204.   | 0.5  | 5         |
| 6673 | Reprogramming landscape highlighted by dynamic transcriptomes in therapy-induced neuroendocrine differentiation. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 5873-5885.            | 4.1  | 1         |
| 6674 | Acute Effects of Intratumor DNA Electrotransfer. <i>Pharmaceutics</i> , 2022, 14, 2097.  | 4.5  | 4         |
| 6675 | Agathis robusta Bark Extract Protects from Renal Ischemia-Reperfusion Injury: Phytochemical, In Silico and In Vivo Studies. <i>Pharmaceutics</i> , 2022, 15, 1270.   | 3.8  | 8         |
| 6676 | CTpathway: a CrossTalk-based pathway enrichment analysis method for cancer research. <i>Genome Medicine</i> , 2022, 14, .  | 8.2  | 10        |
| 6677 | Nuclear Proteomics of Induced Leukemia Cell Differentiation. <i>Cells</i> , 2022, 11, 3221.  | 4.1  | 4         |
| 6678 | Bioinformatics Analysis Identifies TNFRSF1A as a Biomarker of Liver Injury in Sepsis TNFRSF1A is a Biomarker for Septic Liver Injury. <i>Genetical Research</i> , 2022, 2022, 1-10.                          | 0.9  | 0         |
| 6679 | Genome-wide identification and expression analysis of BrAGC genes in Brassica rapa reveal their potential roles in sexual reproduction and abiotic stress tolerance. <i>Frontiers in Genetics</i> , 0, 13, . | 2.3  | 1         |
| 6680 | Investigation of molecular mechanisms underlying JAK/STAT signaling pathway in HPV-induced cervical carcinogenesis using â€™omicsâ€™ approach. , 2022, 39, .   |      | 1         |
| 6681 | Genomic Signatures Reveal Breeding Effects of Lulai Pigs. <i>Genes</i> , 2022, 13, 1969.   | 2.4  | 4         |
| 6682 | Gene expression profile suggests different mechanisms underlying sporadic and familial mesial temporal lobe epilepsy. <i>Experimental Biology and Medicine</i> , 2022, 247, 2233-2250.                       | 2.4  | 2         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 6683 | Identification of castration-dependent and -independent driver genes and pathways in castration-resistant prostate cancer (CRPC). BMC Urology, 2022, 22, .  | 1.4 | 0         |
| 6685 | Trichostatin A-Mediated Epigenetic Modulation Predominantly Triggers Transcriptomic Alterations in the Ex Vivo Expanded Equine Chondrocytes. International Journal of Molecular Sciences, 2022, 23, 13168.                      | 4.1 | 0         |
| 6686 | Molecular Mechanisms Underlying the Effects of Bimin Kang Mixture on Allergic Rhinitis: Network Pharmacology and RNA Sequencing Analysis. BioMed Research International, 2022, 2022, 1-23.                                      | 1.9 | 1         |
| 6687 | SGLT-2 as a potential target in pancreatic cancer: the preliminary clue from The Cancer Genome Atlas data. Journal of Gastrointestinal Oncology, 2022, 13, 2539-2552.   | 1.4 | 1         |
| 6689 | Network Pharmacology and Molecular Docking of Shiwei Qingwen Decoction Reveal TNF as a Potential Target for Alleviating Mild COVID-19 Symptoms. Natural Product Communications, 2022, 17, 1934578X2211250.                      | 0.5 | 1         |
| 6690 | A Pan-Cancer Analysis of the Role of PBRM1 in Human Tumors. Stem Cells International, 2022, 2022, 1-13.   | 2.5 | 2         |
| 6692 | Novel Insights into Redox-Based Mechanisms for Auranofin-Induced Rapid Cancer Cell Death. Cancers, 2022, 14, 4864.  | 3.7 | 6         |
| 6693 | Yiqi Huayu decoction alleviates bleomycin-induced pulmonary fibrosis in rats by inhibiting senescence. Frontiers in Pharmacology, 0, 13, .  | 3.5 | 5         |
| 6694 | Stem cellâ€derived extracellular vesicles reduce the expression of molecules involved in cardiac hypertrophyâ€”In a model of human-induced pluripotent stem cell-derived cardiomyocytes. Frontiers in Pharmacology, 0, 13, .    | 3.5 | 11        |
| 6695 | Variation of miRNA Content in Cow Raw Milk Depending on the Dairy Production System. International Journal of Molecular Sciences, 2022, 23, 11681.  | 4.1 | 3         |
| 6697 | Network analysis for the identification of hub genes and related molecules as potential biomarkers associated with the differentiation of bone marrow-derived stem cells into hepatocytes. Aging, 0, , .                        | 3.1 | 0         |
| 6698 | BRANEnet: embedding multilayer networks for omics data integration. BMC Bioinformatics, 2022, 23, .   | 2.6 | 1         |
| 6699 | Comprehensive analysis and validation reveal potential MYCN regulatory biomarkers associated with neuroblastoma prognosis. Journal of Biomolecular Structure and Dynamics, 2023, 41, 8902-8917.                                 | 3.5 | 1         |
| 6700 | AUTS2 Controls Neuronal Lineage Choice Through a Novel PRC1-Independent Complex and BMP Inhibition. Stem Cell Reviews and Reports, 2023, 19, 531-549.   | 3.8 | 4         |
| 6701 | Expression of NMU, PPBP and GNG4 in colon cancer and their influences on prognosis. Translational Cancer Research, 2022, 11, 3572-3583.   | 1.0 | 3         |
| 6702 | A new machine learning method for cancer mutation analysis. PLoS Computational Biology, 2022, 18, e1010332.   | 3.2 | 6         |
| 6703 | Exploring Molecular Targets and Mechanisms of Apigenin in the Treatment of Papillary Thyroid Carcinoma Based on Network Pharmacology and Molecular Docking Analysis. Natural Product Communications, 2022, 17, 1934578X2211354. | 0.5 | 1         |
| 6704 | Profiling ATM regulated genes in Drosophila at physiological condition and after ionizing radiation. Hereditas, 2022, 159, .  | 1.4 | 0         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6705 | Comparative transcriptome and proteome analyses of the longissimus dorsi muscle for explaining the difference between donkey meat and other meats. <i>Animal Biotechnology</i> , 2023, 34, 3085-3098.  | 1.5  | 1         |
| 6706 | RT-qPCR Expression Profiles of Selected Oncogenic and Oncosuppressor miRNAs in Formalin-Fixed, Paraffin-Embedded Canine Mammary Tumors. <i>Animals</i> , 2022, 12, 2898.   | 2.3  | 2         |
| 6707 | Whole Transcriptome Sequencing Reveals Cancer-Related, Prognostically Significant Transcripts and Tumor-Infiltrating Immunocytes in Mantle Cell Lymphoma. <i>Cells</i> , 2022, 11, 3394.   | 4.1  | 1         |
| 6708 | Exploring the active ingredients and pharmacological mechanisms of the oral intake formula Huoxiang Suling Shuanghua Decoction on influenza virus type A based on network pharmacology and experimental exploration. <i>Frontiers in Microbiology</i> , 0, 13, . | 3.5  | 0         |
| 6709 | Parkinson's disease gene prioritising using an efficient and biologically appropriate network-based consensus strategy. <i>Journal of Computational Science</i> , 2022, 65, 101879.  | 2.9  | 0         |
| 6710 | Pathway-based integration of multi-omics data reveals lipidomics alterations validated in an Alzheimer's disease mouse model and risk loci carriers. <i>Journal of Neurochemistry</i> , 2023, 164, 57-76.  | 3.9  | 8         |
| 6711 | Screening and identification of CNH4 gene associated with cell proliferation in gastric cancer based on a large-scale CRISPR-Cas9 screening database DepMap. <i>Gene</i> , 2023, 850, 146961.  | 2.2  | 7         |
| 6712 | Circulating MicroRNAs as Cancer Biomarkers in Liquid Biopsies. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 23-73.   | 1.6  | 10        |
| 6713 | Drug repurposing in psoriasis, performed by reversal of disease-associated gene expression profiles. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 6097-6107.  | 4.1  | 16        |
| 6714 | From plasma membrane to mitochondria: Time-dependent photodynamic antibacterial and anticancer therapy with a near-infrared AIE-active photosensitizer. <i>Chemical Engineering Journal</i> , 2023, 454, 140189.   | 12.7 | 5         |
| 6715 | Identification of Dihydrolipoamide Dehydrogenase as Potential Target of Vemurafenib-Resistant Melanoma Cells. <i>Molecules</i> , 2022, 27, 7800.   | 3.8  | 3         |
| 6717 | Computer-Aided Screening and Revealing Action Mechanism of Food-Derived Tripeptides Intervention in Acute Colitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13471.   | 4.1  | 2         |
| 6718 | Deciphering the impact and mechanism of Trikatu, a spices-based formulation on alcoholic liver disease employing network pharmacology analysis and in vivo validation. <i>Frontiers in Nutrition</i> , 0, 9, .   | 3.7  | 15        |
| 6719 | Circadian rhythm-related factors of PER and CRY family genes function as novel therapeutic targets and prognostic biomarkers in lung adenocarcinoma. <i>Aging</i> , 2022, 14, 9056-9089.   | 3.1  | 1         |
| 6721 | Identification of potential key genes related to idiopathic male infertility using RNA-sequencing data: an <i>in-silico</i> approach. <i>Human Fertility</i> , 2023, 26, 1149-1163.  | 1.7  | 2         |
| 6722 | Integrative analysis of multiomics data identifies selenium-related gene ALAD associating with keshan disease. <i>Free Radical Biology and Medicine</i> , 2022, 193, 702-719.  | 2.9  | 3         |
| 6724 | Identifying hub genes of calcific aortic valve disease and revealing the immune infiltration landscape based on multiple WGCNA and single-cell sequence analysis. <i>Frontiers in Immunology</i> , 0, 13, .  | 4.8  | 3         |
| 6725 | Transcriptomic analysis of isolated and pooled human postmortem cerebellar Purkinje cells in autism spectrum disorders. <i>Frontiers in Genetics</i> , 0, 13, .  | 2.3  | 2         |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 6726 | Identification of fatty acid metabolism-related molecular subtype biomarkers and their correlation with immune checkpoints in cutaneous melanoma. <i>Frontiers in Immunology</i> , 0, 13, .  | 4.8 | 2         |
| 6727 | Neoadjuvant chemotherapy is associated with an altered metabolic profile and increased cancer stemness in patients with pancreatic ductal adenocarcinoma. <i>Molecular Oncology</i> , 0, , .   | 4.6 | 4         |
| 6730 | Mice kidney biometabolic process analysis after cantharidin exposure using widely-targeted metabolomics combined with network pharmacology. <i>Food and Chemical Toxicology</i> , 2023, 171, 113541.   | 3.6 | 4         |
| 6731 | In silico analysis of genomic landscape of SARS-CoV-2 and its variant of concerns (Delta and Omicron) reveals changes in the coding potential of miRNAs and their target genes. <i>Gene</i> , 2023, 853, 147097.   | 2.2 | 1         |
| 6732 | Molecular mechanism of <i>Ferula asafoetida</i> for the treatment of asthma: Network pharmacology and molecular docking approach. <i>Saudi Journal of Biological Sciences</i> , 2023, 30, 103527.  | 3.8 | 10        |
| 6733 | Olanzapine-induced decreases of FGF21 in brown adipose tissue via histone modulations drive UCP1-dependent thermogenetic impairment. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2023, 122, 110692.  | 4.8 | 2         |
| 6734 | HSPA1A ameliorated spinal cord injury in rats by inhibiting apoptosis to exert neuroprotective effects. <i>Experimental Neurology</i> , 2023, 361, 114301.   | 4.1 | 1         |
| 6735 | Slate – A Tool for Creating and Maintaining Annotated Corpora. , 2011, 26, 91-103.   |     | 8         |
| 6736 | In Silico Analysis of CatSper Family Genes and APOB Gene Regulation in Male Infertility. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 323-332.   | 1.6 | 0         |
| 6737 | Integrative methylome and transcriptome analysis of porcine abdominal fat indicates changes in fat metabolism and immune responses during different development. <i>Journal of Animal Science</i> , 2022, 100, .   | 0.5 | 1         |
| 6738 | Intrinsic Disorder as a Natural Preservative: High Levels of Intrinsic Disorder in Proteins Found in the 2600-Year-Old Human Brain. <i>Biology</i> , 2022, 11, 1704.   | 2.8 | 3         |
| 6739 | Prediction of network pharmacology and molecular docking-based strategy to determine potential pharmacological mechanism of Liuwei Dihuang pill against tinnitus. <i>Medicine (United States)</i> , 2022, 101, e31711.   | 1.0 | 2         |
| 6740 | Systematic Analysis Strategy Based on Network Pharmacology to Investigate the Potential Mechanism of <i>Fritillaria thunbergii</i> Miq. against Idiopathic Pulmonary Fibrosis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-18.                            | 1.2 | 1         |
| 6741 | Global Transcriptional Profiling of Granulosa Cells from Polycystic Ovary Syndrome Patients: Comparative Analyses of Patients with or without History of Ovarian Hyperstimulation Syndrome Reveals Distinct Biomarkers and Pathways. <i>Journal of Clinical Medicine</i> , 2022, 11, 6941. | 2.4 | 3         |
| 6743 | Bcl-2 Family Members Bcl-xL and Bax Cooperatively Contribute to Bortezomib Resistance in Mantle Cell Lymphoma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14474.   | 4.1 | 3         |
| 6744 | GC-MS and Network Pharmacology Analysis of the Ayurvedic Fermented Medicine, Chandanasava, Against Chronic Kidney and Cardiovascular Diseases. <i>Applied Biochemistry and Biotechnology</i> , 0, , .  | 2.9 | 2         |
| 6745 | The integrated transcriptome bioinformatics analysis identifies key genes and cellular components for proliferative diabetic retinopathy. <i>PLoS ONE</i> , 2022, 17, e0277952.  | 2.5 | 0         |
| 6746 | Detection of potential functional variants based on systems-biology: the case of feed efficiency in beef cattle. <i>BMC Genomics</i> , 2022, 23, .   | 2.8 | 0         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 6747 | Preliminary verification of the anti-hypoxia mechanism of <i>Gentiana straminea</i> maxim based on UPLC-triple TOF MS/MS and network pharmacology. <i>BMC Complementary Medicine and Therapies</i> , 2022, 22, .                       | 2.7 | 0         |
| 6748 | Data analysis guidelines for single-cell RNA-seq in biomedical studies and clinical applications. <i>Military Medical Research</i> , 2022, 9, .  | 3.4 | 4         |
| 6749 | Robust and rigorous identification of tissue-specific genes by statistically extending tau score. <i>BioData Mining</i> , 2022, 15, .  | 4.0 | 2         |
| 6750 | A Tea Plant ( <i>Camellia sinensis</i> ) FLOWERING LOCUS C-like Gene, CsFLC1, Is Correlated to Bud Dormancy and Triggers Early Flowering in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 15711. | 4.1 | 2         |
| 6751 | Transient Polycomb activity represses developmental genes in growing oocytes. <i>Clinical Epigenetics</i> , 2022, 14, .  | 4.1 | 1         |
| 6752 | Systematic evaluation of genome-wide metabolic landscapes in lactic acid bacteria reveals diet- and strain-specific probiotic idiosyncrasies. <i>Cell Reports</i> , 2022, 41, 111735.  | 6.4 | 8         |
| 6753 | Role of aerobic exercise in ameliorating NASH: Insights into the hepatic thyroid hormone signaling and circulating thyroid hormones. <i>Frontiers in Endocrinology</i> , 0, 13, .  | 3.5 | 1         |
| 6754 | Hypoxia-associated prognostic markers and competing endogenous RNA coexpression networks in lung adenocarcinoma. <i>Scientific Reports</i> , 2022, 12, .   | 3.3 | 0         |
| 6755 | Comprehensive analysis of immune cell infiltration and role of <scp>MSR1</scp> expression in aneurysmal subarachnoid haemorrhage. <i>Cell Proliferation</i> , 2023, 56, .  | 5.3 | 2         |
| 6756 | Chitin contributes to the formation of a feeding structure in a predatory nematode. <i>Current Biology</i> , 2023, 33, 15-27.e6.   | 3.9 | 8         |
| 6757 | Identification of Potential Treatments for Acute Lymphoblastic Leukemia through Integrated Genomic Network Analysis. <i>Pharmaceuticals</i> , 2022, 15, 1562.  | 3.8 | 2         |
| 6758 | A Novel PiRNA Enhances CA19-9 Sensitivity for Pancreatic Cancer Identification by Liquid Biopsy. <i>Journal of Clinical Medicine</i> , 2022, 11, 7310.   | 2.4 | 4         |
| 6759 | Identification of the Genetic Association Between Type-2-Diabetes and Pancreatic Cancer. <i>Biochemical Genetics</i> , 2023, 61, 1143-1162.  | 1.7 | 0         |
| 6760 | Development of dynamical network biomarkers for regulation in Epstein-Barr virus positive peripheral T cell lymphoma unspecified type. <i>Frontiers in Genetics</i> , 0, 13, .   | 2.3 | 0         |
| 6761 | Excessive proteostasis contributes to pathology in fragile X syndrome. <i>Neuron</i> , 2023, 111, 508-525.e7.  | 8.1 | 6         |
| 6762 | Potential diagnostic of lymph node metastasis and prognostic values of TM4SFs in papillary thyroid carcinoma patients. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .   | 3.7 | 1         |
| 6763 | Genome-wide unraveling SNP pairwise epistatic effects associated with sheep body weight. <i>Animal Biotechnology</i> , 0, , 1-12.  | 1.5 | 0         |
| 6764 | Zika virus alters osteogenic lineage progression of human mesenchymal stromal cells. <i>Journal of Cellular Physiology</i> , 0, , .  | 4.1 | 0         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6765 | The Critical Biomarkers Identification of Insulin Signaling Involved in Initiating cAMP Signaling Mediated Salivary Secretion in Sjogren Syndrome: Transcriptome Sequencing in NOD Mice Model. <i>Biological Procedures Online</i> , 2022, 24, . | 2.9  | 1         |
| 6766 | Genome-wide association study for vascular aging highlights pathways shared with cardiovascular traits in Koreans. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .   | 2.4  | 0         |
| 6767 | Characterizing Macrophages Diversity in COVID-19 Patients Using Deep Learning. <i>Genes</i> , 2022, 13, 2264.  | 2.4  | 0         |
| 6768 | RNA-Sequencing Muscle Plasticity to Resistance Exercise Training and Disuse in Youth and Older Age. <i>Physiologia</i> , 2022, 2, 164-179.   | 2.2  | 0         |
| 6769 | SNARE protein USE1 is involved in the glycosylation and the expression of mumps virus fusion protein and important for viral propagation. <i>PLoS Pathogens</i> , 2022, 18, e1010949.  | 4.7  | 1         |
| 6770 | MALAT1 modulates alternative splicing by cooperating with the splicing factors PTBP1 and PSF. <i>Science Advances</i> , 2022, 8, .   | 10.3 | 6         |
| 6772 | Bioinformatics Analysis of miRNAs Targeting TRAF5 in DLBCL Involving in NF- $\kappa$ B Signaling Pathway and Affecting the Apoptosis and Signal Transduction. <i>Genetical Research</i> , 2022, 2022, 1-14.                                      | 0.9  | 0         |
| 6773 | Comprehensive Analysis of the lncRNA-miRNA-mRNA Regulatory Network for Intramuscular Fat in Pigs. <i>Genes</i> , 2023, 14, 168.  | 2.4  | 4         |
| 6774 | Competing endogenous <sc>RNA</sc> network construction based on long non-coding <sc>RNAs</sc> , <sc>microRNAs</sc> , and <sc>mRNAs</sc> related to fat deposition in Songliao black swine. <i>Animal Genetics</i> , 0, , .                       | 1.7  | 0         |
| 6775 | Network Analysis of Anti-inflammatory Phytochemicals and Omics Data for Rheumatoid Arthritis. <i>Current Computer-Aided Drug Design</i> , 2023, 19, 356-366.   | 1.2  | 0         |
| 6776 | Comparative proteomic analysis of seminal plasma exosomes in buffalo with high and low sperm motility. <i>BMC Genomics</i> , 2023, 24, .   | 2.8  | 2         |
| 6777 | Arabidopsis DXO1 activates RNMT1 to methylate the mRNA guanosine cap. <i>Nature Communications</i> , 2023, 14, .   | 12.8 | 3         |
| 6778 | Integrated bioinformatical and in vitro study on drug targets for liver cirrhosis based on unsupervised consensus clustering and immune cell infiltration. <i>Frontiers in Pharmacology</i> , 0, 13, .   | 3.5  | 0         |
| 6779 | Osteocyte EglN1/Phd2 links oxygen sensing and biomineralization via FGF23. <i>Bone Research</i> , 2023, 11, .  | 11.4 | 6         |
| 6780 | One-day thermal regime extends the lifespan in <i>Caenorhabditis elegans</i> . <i>Computational and Structural Biotechnology Journal</i> , 2023, 21, 495-505.  | 4.1  | 1         |
| 6781 | Autophagy and senescence of rat retinal precursor cells under high glucose. <i>Frontiers in Endocrinology</i> , 0, 13, .   | 3.5  | 1         |
| 6782 | Molecular docking, network pharmacology and experimental verification to explore the mechanism of Wulongzhiyangwan in the treatment of pruritus. <i>Scientific Reports</i> , 2023, 13, .   | 3.3  | 1         |
| 6783 | A genome-wide <sc>CRISPR</sc> screen identifies the <sc>CCT</sc> chaperonin as a critical regulator of vesicle trafficking. <i>FASEB Journal</i> , 2023, 37, .   | 0.5  | 3         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6785 | The metabolite alpha-ketobutyrate extends lifespan by promoting peroxisomal function in <i>C. elegans</i> . <i>Nature Communications</i> , 2023, 14, .   | 12.8 | 10        |
| 6786 | Identification of Novel Pathways Regulated by APE1/Ref-1 in Human Retinal Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1101.  | 4.1  | 6         |
| 6787 | Proteomic analysis of protein lysine 2-hydroxyisobutyrylation (Khib) in soybean leaves. <i>BMC Plant Biology</i> , 2023, 23, .   | 3.6  | 1         |
| 6789 | Taurine, Coenzyme Q10, and Hydrogen Water Prevents Germanium Dioxide-Induced Mitochondrial Dysfunction and Associated Sensorineural Hearing Loss in mouse. <i>Hearing Research</i> , 2023, 428, 108678.  | 2.0  | 0         |
| 6790 | An evaluation of gastric adenocarcinoma-associated CircRNAs based on microarray meta-analysis and ceRNA networks. <i>Translational Oncology</i> , 2023, 28, 101611.  | 3.7  | 4         |
| 6792 | Chromobox Family Proteins as Putative Biomarkers for Breast Cancer Management: A Preliminary Study Based on Bioinformatics Analysis and qRT-PCR Validation. <i>Breast Cancer: Targets and Therapy</i> , 0, Volume 14, 515-535.   | 1.8  | 0         |
| 6793 | A pathway analysis-based algorithm for calculating the participation degree of ncRNA in transcriptome. <i>Scientific Reports</i> , 2022, 12, .   | 3.3  | 0         |
| 6794 | Uncovering the molecular mechanism of <i>Gynostemma pentaphyllum</i> (Thunb.) Makino against breast cancer using network pharmacology and molecular docking. <i>Medicine (United States)</i> , 2022, 101, e32165.  | 1.0  | 0         |
| 6795 | Single-cell nucleus <i>sc</i> RNA and <i>sc</i> ATAC sequencing uncovers the molecular and cellular characteristics in the musk gland of Chinese forest musk deer ( <i>Moschus berezovskii</i> ). <i>FASEB Journal</i> , 2023, 37, .   | 0.5  | 0         |
| 6796 | Genome-wide association study of the response of patients with diabetic macular edema to intravitreal Anti-VEGF injection. <i>Scientific Reports</i> , 2022, 12, .   | 3.3  | 1         |
| 6797 | Establishment of a prognostic prediction system based on tumor microenvironment of pancreatic cancer. <i>Medicine (United States)</i> , 2022, 101, e32364.   | 1.0  | 0         |
| 6798 | Screening for diagnostic targets in tuberculosis and study on its pathogenic mechanism based on mRNA sequencing technology and miRNA-mRNA-pathway regulatory network. <i>Frontiers in Immunology</i> , 0, 14, .  | 4.8  | 0         |
| 6799 | Recent advances in the area of plant-based anti-cancer drug discovery using computational approaches. <i>Molecular Diversity</i> , 0, , .  | 3.9  | 7         |
| 6800 | Single cell cortical bone transcriptomics define novel osteolineage gene sets altered in chronic kidney disease. <i>Frontiers in Endocrinology</i> , 0, 14, .  | 3.5  | 9         |
| 6801 | Systematic Analysis of the Mechanism of <i>Polygoni Multiflori Caulis</i> in Improving Depressive Disorder in Mice via Network Pharmacology Combined with Ultra-High Performance Liquid Chromatography Coupled with Quadrupole Exactive Orbitrap Mass Spectrometer. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2023, 26, . | 1.1  | 0         |
| 6802 | TRIM28 secures skeletal stem cell fate during skeletogenesis by silencing neural gene expression and repressing GREM1/AKT/mTOR signaling axis. <i>Cell Reports</i> , 2023, 42, 112012.   | 6.4  | 1         |
| 6803 | Identifying colon cancer stage related genes and their cellular pathways. <i>Frontiers in Genetics</i> , 0, 14, .  | 2.3  | 1         |
| 6804 | Unraveling the phenotypic and genomic background of behavioral plasticity and temperament in North American Angus cattle. <i>Genetics Selection Evolution</i> , 2023, 55, .  | 3.0  | 2         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 6805 | The function of guanylate binding protein 3 (GBP3) in human cancers by pan-cancer bioinformatics. Mathematical Biosciences and Engineering, 2023, 20, 9511-9529.   | 1.9 | 0         |
| 6806 | Identification of feature genes and key biological pathways in immune-mediated necrotizing myopathy: High-throughput sequencing and bioinformatics analysis. Computational and Structural Biotechnology Journal, 2023, 21, 2228-2240.            | 4.1 | 4         |
| 6807 | In-depth quantitative proteomics analysis revealed C1GALT1 depletion in ECC-1 cells mimics an aggressive endometrial cancer phenotype observed in cancer patients with low C1GALT1 expression. Cellular Oncology (Dordrecht), 2023, 46, 697-715. | 4.4 | 7         |
| 6808 | Single-cell analysis reveals changes in BCG vaccine-injected mice modeling tuberculous meningitis brain infection. Cell Reports, 2023, 42, 112177.   | 6.4 | 4         |
| 6809 | Exploring the Mechanism of Bergamot Essential Oil against Asthma Based on Network Pharmacology and Experimental Verification. ACS Omega, 2023, 8, 10202-10213.   | 3.5 | 1         |
| 6810 | The <i>Caenorhabditis elegans</i> anchor cell transcriptome: ribosome biogenesis drives cell invasion through basement membrane. Development (Cambridge), 2023, 150, .   | 2.5 | 9         |
| 6811 | Investigating the role of FADS family members in breast cancer based on bioinformatic analysis and experimental validation. Frontiers in Immunology, 0, 14, .  | 4.8 | 1         |
| 6813 | Pterisin sesquiterpenoids from <i>Pteris laeta</i> Wall. ex Ettingsh. protect cells from glutamate excitotoxicity by modulating mitochondrial signals. Journal of Ethnopharmacology, 2023, 308, 116308.  | 4.1 | 2         |
| 6814 | Btg1 and Btg2 regulate neonatal cardiomyocyte cell cycle arrest. Journal of Molecular and Cellular Cardiology, 2023, 179, 30-41.   | 1.9 | 0         |
| 6815 | The transcriptional mechanism responding to air particulate matter in <i>Laurus nobilis</i> (L.). Environmental and Experimental Botany, 2023, 210, 105304.  | 4.2 | 2         |
| 6816 | Green tea extract enhances retinal ganglion cell survival and axonal regeneration in rats with optic nerve injury. Journal of Nutritional Biochemistry, 2023, 117, 109333.   | 4.2 | 2         |
| 6818 | An inclusive study of deleterious missense PAX9 variants using user-friendly tools reveals structural, functional alterations, as well as potential therapeutic targets.. International Journal of Biological Macromolecules, 2023, 233, 123375. | 7.5 | 2         |
| 6819 | MAPKAPK2-centric transcriptome profiling reveals its major role in governing molecular crosstalk of IGFBP2, MUC4, and PRKAR2B during HNSCC pathogenesis. Computational and Structural Biotechnology Journal, 2023, 21, 1292-1311.                | 4.1 | 1         |
| 6820 | A program of successive gene expression in mouse one-cell embryos. Cell Reports, 2023, 42, 112023.   | 6.4 | 6         |
| 6821 | Computational models for prediction of protein-protein interaction in rice and <i>Magnaporthe oryzae</i> . Frontiers in Plant Science, 0, 13, .  | 3.6 | 2         |
| 6822 | SKA2-mediated transcriptional downregulation of the key enzyme of CoQ <sub>10</sub> biosynthesis PDSS2 in lung cancer cells. Journal of Cancer, 2023, 14, 379-392.   | 2.5 | 0         |
| 6823 | Potential clinical use of azacitidine and MEK inhibitor combination therapy in PTPN11-mutated juvenile myelomonocytic leukemia. Molecular Therapy, 2023, 31, 986-1001.   | 8.2 | 3         |
| 6824 | Antibacterial and Antibiofilm Activities of Sertindole and Its Antibacterial Mechanism against <i>Staphylococcus aureus</i> . ACS Omega, 2023, 8, 5415-5425.   | 3.5 | 1         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 6825 | Hsa_circ_0072309 is a prognostic biomarker and is correlated with immune infiltration in gastric cancer. <i>Heliyon</i> , 2023, 9, e13191.  | 3.2  | 0         |
| 6826 | FUS Alters circRNA Metabolism in Human Motor Neurons Carrying the ALS-Linked P525L Mutation. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3181.   | 4.1  | 6         |
| 6827 | Network Pharmacological Analysis of a New Herbal Combination Targeting Hyperlipidemia and Efficacy Validation In Vitro. <i>Current Issues in Molecular Biology</i> , 2023, 45, 1314-1332.   | 2.4  | 3         |
| 6828 | RNA-Seq-based transcriptomics analysis during the photodynamic therapy of primary cells in secondary hyperparathyroidism. <i>Photochemical and Photobiological Sciences</i> , 0, , .  | 2.9  | 1         |
| 6831 | Bioinformatics analyses of combined databases identify shared differentially expressed genes in cancer and autoimmune disease. <i>Journal of Translational Medicine</i> , 2023, 21, .   | 4.4  | 4         |
| 6832 | Bioinformatics-based analysis of the roles of sex hormone receptors in endometriosis development. <i>International Journal of Medical Sciences</i> , 2023, 20, 415-428.   | 2.5  | 1         |
| 6833 | Exploration of the heterogeneity and interaction of epithelial cells and NK/T-cells in Laryngeal Squamous Cell Carcinoma based on single-cell RNA sequencing data. <i>Brazilian Journal of Otorhinolaryngology</i> , 2023, 89, 393-400. | 1.0  | 1         |
| 6834 | Quantitative proteomics reveals the therapeutic effects of RFAP against depression via pathway regulation of long-term depression and potentiation. <i>Heliyon</i> , 2023, 9, e13429.   | 3.2  | 1         |
| 6836 | The prognostic value of DAAM2 in lower grade glioma, liver cancer, and breast cancer. <i>Clinical and Translational Oncology</i> , 0, , .   | 2.4  | 0         |
| 6838 | Potential diagnostic markers and therapeutic targets for rheumatoid arthritis with comorbid depression based on bioinformatics analysis. <i>Frontiers in Immunology</i> , 0, 14, .  | 4.8  | 2         |
| 6839 | AURKA Identified as Potential Lung Cancer Marker through Comprehensive Bioinformatic Analysis and Experimental Verification. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2023, 33, 39-59.                                   | 0.9  | 1         |
| 6840 | PriPath: identifying dysregulated pathways from differential gene expression via grouping, scoring, and modeling with an embedded feature selection approach. <i>BMC Bioinformatics</i> , 2023, 24, .                                   | 2.6  | 8         |
| 6841 | Tumor-derived insulin-like growth factor-binding protein-4 contributes to resistance of hepatocellular carcinoma to tyrosine kinase inhibitors. <i>Cancer Communications</i> , 2023, 43, 415-434.                                       | 9.2  | 2         |
| 6842 | Multitrait genome-wide analyses identify new susceptibility loci and candidate drugs to primary sclerosing cholangitis. <i>Nature Communications</i> , 2023, 14, .  | 12.8 | 10        |
| 6843 | Revealing the History and Mystery of RNA-Seq. <i>Current Issues in Molecular Biology</i> , 2023, 45, 1860-1874.   | 2.4  | 5         |
| 6844 | Identification of a novel eighteen-gene signature of recurrent metastasis neuroblastoma. <i>Journal of Molecular Medicine</i> , 2023, 101, 403-417.   | 3.9  | 0         |
| 6846 | The Important Role of m6A-Modified circRNAs in the Differentiation of Intramuscular Adipocytes in Goats Based on MeRIP Sequencing Analysis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4817.                        | 4.1  | 0         |
| 6847 | RTP4 silencing provokes tumor-intrinsic resistance to immune checkpoint blockade in colorectal cancer. <i>Journal of Gastroenterology</i> , 2023, 58, 540-553.  | 5.1  | 1         |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6848 | Identification of Prognostic Biomarkers for Suppressing Tumorigenesis and Metastasis of Hepatocellular Carcinoma through Transcriptome Analysis. <i>Diagnostics</i> , 2023, 13, 965.                           | 2.6  | 1         |
| 6849 | Clinical and genomic features of non-small cell lung cancer occurring in families. <i>Thoracic Cancer</i> , 2023, 14, 940-952.   | 1.9  | 1         |
| 6850 | A mechanistic analysis of spontaneous cancer remission phenomenon: identification of genomic basis and effector biomolecules for therapeutic applicability. <i>3 Biotech</i> , 2023, 13, .                     | 2.2  | 0         |
| 6852 | CTCF controls three-dimensional enhancer network underlying the inflammatory response of bone marrow-derived dendritic cells. <i>Nature Communications</i> , 2023, 14, .                                       | 12.8 | 3         |
| 6853 | Identification of key genes involved in secondary metabolite biosynthesis in <i>Digitalis purpurea</i> . <i>PLoS ONE</i> , 2023, 18, e0277293.   | 2.5  | 4         |
| 6854 | Development and validation of an RBP gene signature for prognosis prediction in colorectal cancer based on WGCNA. <i>Hereditas</i> , 2023, 160, .  | 1.4  | 2         |
| 6855 | Bioinformatics-Based Analysis of Key Genes in Steroid-Induced Osteonecrosis of the Femoral Head That Are Associated with Copper Metabolism. <i>Biomedicines</i> , 2023, 11, 873.                               | 3.2  | 0         |
| 6856 | The potential bioactive ingredients and hub genes of five TCM prescriptions against lung adenocarcinoma were explored based on bioinformatics. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 0, , .  | 3.0  | 0         |
| 6857 | Tonic repression of collagen I by the bradykinin receptor 2 in skin fibroblasts. <i>Matrix Biology</i> , 2023, 118, 110-128.   | 3.6  | 0         |
| 6858 | Asparagine starvation suppresses histone demethylation through iron depletion. <i>IScience</i> , 2023, 26, 106425.   | 4.1  | 1         |
| 6859 | RNA-Seq reveals that overexpression of TcUBP1 switches the gene expression pattern toward that of the infective form of <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 2023, 299, 104623. | 3.4  | 4         |
| 6860 | Demystifying the Role of Prognostic Biomarkers in Breast Cancer through Integrated Transcriptome and Pathway Enrichment Analyses. <i>Diagnostics</i> , 2023, 13, 1142.   | 2.6  | 1         |
| 6861 | Identification of new potential downstream transcriptional targets of the strigolactone pathway including glucosinolate biosynthesis. <i>Plant Direct</i> , 2023, 7, .   | 1.9  | 6         |
| 6862 | Exploring molecular signatures related to the mechanism of aging in different brain regions by integrated bioinformatics. <i>Frontiers in Molecular Neuroscience</i> , 0, 16, .                                | 2.9  | 0         |
| 6864 | Tregs dysfunction aggravates postoperative cognitive impairment in aged mice. <i>Journal of Neuroinflammation</i> , 2023, 20, .  | 7.2  | 5         |
| 6865 | Nuclear speckleopathies: developmental disorders caused by variants in genes encoding nuclear speckle proteins. <i>Human Genetics</i> , 0, , .   | 3.8  | 4         |
| 6866 | Antagonistic Interactions in Mitochondria ROS Signaling Responses to Manganese. <i>Antioxidants</i> , 2023, 12, 804.   | 5.1  | 7         |
| 6867 | RNA-Seq Profiling between Commercial and Indigenous Iranian Chickens Highlights Differences in Innate Immune Gene Expression. <i>Genes</i> , 2023, 14, 793.  | 2.4  | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 6869 | Anticancer Effect of Active Component of Astragalus Membranaceus Combined with Olaparib on Ovarian Cancer Predicted by Network-Based Pharmacology. <i>Applied Biochemistry and Biotechnology</i> , 0, .   | 2.9 | 1         |
| 6870 | The Zinc-BED Transcription Factor Bedwarfed Promotes Proportional Dendritic Growth and Branching through Transcriptional and Translational Regulation in <i>Drosophila</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 6344.     | 4.1 | 0         |
| 6871 | Targeting CLDN6 in germ cell tumors by an antibody-drug-conjugate and studying therapy resistance of yolk-sac tumors to identify and screen specific therapeutic options. <i>Molecular Medicine</i> , 2023, 29, .                                     | 4.4 | 3         |
| 6872 | Interleukin-10 as Covid-19 biomarker targeting KSK and its analogues: Integrated network pharmacology. <i>PLoS ONE</i> , 2023, 18, e0282263.  | 2.5 | 0         |
| 6873 | Accurate Prediction of Cancer Prognosis by Exploiting Patient-Specific Cancer Driver Genes. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6445.  | 4.1 | 0         |
| 6874 | Differences in gene expression in field populations of Wolbachia-infected <i>Aedes aegypti</i> mosquitoes with varying release histories in northern Australia. <i>PLoS Neglected Tropical Diseases</i> , 2023, 17, e0011222.                         | 3.0 | 3         |
| 6875 | Identification of cancer-related genes FGFR2 and CEBPB in choledochal cyst via RNA sequencing of patient-derived liver organoids. <i>PLoS ONE</i> , 2023, 18, e0283737.   | 2.5 | 0         |
| 6876 | Exploring Potential Biomarkers and Molecular Mechanisms of Ischemic Cardiomyopathy and COVID-19 Comorbidity Based on Bioinformatics and Systems Biology. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6511.                         | 4.1 | 3         |
| 6877 | Comprehensive proteome, phosphoproteome and kinome characterization of luminal A breast cancer. <i>Frontiers in Oncology</i> , 0, 13, .   | 2.8 | 0         |
| 6878 | Exploring the association of addiction-related genetic factors with non-suicidal self-injury in adolescents. <i>Frontiers in Psychiatry</i> , 0, 14, .  | 2.6 | 0         |
| 6880 | Identifying TNF and IL6 as potential hub genes and targeted drugs associated with scleritis: A bio-informative report. <i>Frontiers in Immunology</i> , 0, 14, .  | 4.8 | 1         |
| 6881 | Expression Signature of Immune-Related MicroRNAs in Autoimmune Skin Disease: Psoriasis and Vitiligo Insights. <i>Molecular Diagnosis and Therapy</i> , 2023, 27, 405-423.   | 3.8 | 2         |
| 6882 | Persistent Lipid Accumulation Leads to Persistent Exacerbation of Endoplasmic Reticulum Stress and Inflammation in Progressive NASH via the IRE1 $\alpha$ /TRAF2 Complex. <i>Molecules</i> , 2023, 28, 3185.  | 3.8 | 1         |
| 6883 | Systematic pan-cancer analysis identifies SLC31A1 as a biomarker in multiple tumor types. <i>BMC Medical Genomics</i> , 2023, 16, .   | 1.5 | 7         |
| 6885 | The long non-coding RNA colon cancer-associated transcript 1-Vimentin axis promoting the migration and invasion of HeLa cells. <i>Chinese Medical Journal</i> , 0, Publish Ahead of Print, .  | 2.3 | 0         |
| 6886 | Bioinformatics and network pharmacology-based study to elucidate the multi-target pharmacological mechanism of the indigenous plants of Medina valley in treating HCV-related hepatocellular carcinoma. <i>Saudi Pharmaceutical Journal</i> , 2023, . | 2.7 | 3         |
| 6888 | Novel differential calcium regulation of hematopoietic stem and progenitor cells under physiological low oxygen conditions. <i>Journal of Cellular Physiology</i> , 2023, 238, 1492-1506.   | 4.1 | 0         |
| 6890 | An integrated bioinformatics analysis of the S100 in head and neck squamous cell carcinoma. <i>Translational Cancer Research</i> , 2023, 12, 717-731.   | 1.0 | 1         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 6891 | Serum metabolic alterations in peritoneal dialysis patients with excessive daytime sleepiness. <i>Renal Failure</i> , 2023, 45, .   | 2.1 | 0         |
| 6892 | Targeted Modulation of Chicken Genes In Vitro Using CRISPRa and CRISPRi Toolkit. <i>Genes</i> , 2023, 14, 906.  | 2.4 | 1         |
| 6893 | Drug Discovery in Canine Pyometra Disease Identified by Text Mining and Microarray Data Analysis. <i>BioMed Research International</i> , 2023, 2023, 1-11.  | 1.9 | 0         |
| 6895 | Insulin secretion deficits in a Prader-Willi syndrome $\beta^2$ -cell model are associated with a concerted downregulation of multiple endoplasmic reticulum chaperones. <i>PLoS Genetics</i> , 2023, 19, e1010710.   | 3.5 | 1         |
| 6896 | &lt;i>MiR-145 &lt;i>regulates steroidogenesis in mouse primary granulosa cells by targeting &lt;i>Arpc5&lt;i> and subsequent cytoskeleton remodeling. <i>Journal of Reproduction and Development</i> , 2023, , .  | 1.4 | 0         |
| 6897 | Proanthocyanidins Inhibit Osteoblast Apoptosis via the PI3K/AKT/Bcl-xL Pathway in the Treatment of Steroid-Induced Osteonecrosis of the Femoral Head in Rats. <i>Nutrients</i> , 2023, 15, 1936.  | 4.1 | 0         |
| 6899 | Generation and Functional Analysis of Defective Viral Genomes during SARS-CoV-2 Infection. <i>MBio</i> , 2023, 14, .  | 4.1 | 5         |
| 6900 | Differential protease content of mast cells and the processing of IL-33 in <i>Alternaria alternata</i> induced allergic airway inflammation in mice. <i>Frontiers in Immunology</i> , 0, 14, .  | 4.8 | 1         |
| 6901 | Monitoring Cultured Rat Hepatocytes Using RNA-Seq In Vitro. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7534.  | 4.1 | 2         |
| 6902 | The Enhanced Expression of ZWILCH Predicts Poor Survival of Adrenocortical Carcinoma Patients. <i>Biomedicines</i> , 2023, 11, 1233.  | 3.2 | 2         |
| 6904 | Therapeutic effects of <i>Crataegus monogyna</i> inhibitors against breast cancer. <i>Frontiers in Pharmacology</i> , 0, 14, .  | 3.5 | 5         |
| 6906 | Network Pharmacology and Molecular Docking Analysis of Active Compounds in Tualang Honey against Atherosclerosis. <i>Foods</i> , 2023, 12, 1779.  | 4.3 | 3         |
| 6909 | Important oncogenic and immunogenic roles of SPP1 and CSF1 in hepatocellular carcinoma. , 2023, 40, .   |     | 1         |
| 6910 | Identification of New Key Genes and Their Association with Breast Cancer Occurrence and Poor Survival Using In Silico and In Vitro Methods. <i>Biomedicines</i> , 2023, 11, 1271.   | 3.2 | 3         |
| 6911 | Anti-inflammatory effect of Irisin on LPS-stimulated macrophages through inhibition of MAPK pathway. <i>Physiological Research</i> , 2023, , 235-249.   | 0.9 | 2         |
| 6912 | Proteomics analysis of prefrontal cortex of Alzheimer's disease patients revealed dysregulated proteins in the disease and novel proteins associated with amyloid- $\beta^2$ pathology. <i>Cellular and Molecular Life Sciences</i> , 2023, 80, .   | 5.4 | 4         |
| 6913 | A Systematic Study of Traditional Chinese Medicine for the Treatment of Lung Adenocarcinoma Using a Reverse Network of Key Targets Based on Bioinformatics and Molecular Docking: Curcumin and Trans-Resveratrol as Potential Drug Candidates for Lung Adenocarcinoma. <i>Natural Product Communications</i> , 2023, 18, 1934578X2311693. | 0.5 | 0         |
| 6914 | Dynamic modulation of genomic enhancer elements in the suprachiasmatic nucleus, the site of the mammalian circadian clock. <i>Genome Research</i> , 2023, 33, 673-688.  | 5.5 | 1         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6915 | Myeloid Bmal1 deletion suppresses the house dust mite-induced chronic lung allergy. Journal of Leukocyte Biology, 2024, 115, 164-176.  | 3.3  | 1         |
| 6917 | Genome-wide profiling of miRNA-gene regulatory networks in mouse postnatal heart development—implications for cardiac regeneration. Frontiers in Cardiovascular Medicine, 0, 10, .   | 2.4  | 0         |
| 6918 | Transcriptome Profile of the Rat Adrenal Gland: Parenchymal and Interstitial Cells. International Journal of Molecular Sciences, 2023, 24, 9159.   | 4.1  | 0         |
| 6919 | <scp>CD24</scp> targeting with <scp>NKâ€CAR</scp> immunotherapy in testis, prostate, renal and (luminalâ€type) bladder cancer and identification of direct <scp>CD24</scp> interaction partners. FEBS Journal, 2023, 290, 4864-4876. | 4.7  | 3         |
| 6920 | Identification of serum biomarkers for necrotizing enterocolitis using aptamer-based proteomics. Frontiers in Pediatrics, 0, 11, .   | 1.9  | 0         |
| 6921 | Homeobox A7 promotes esophageal squamous cell carcinoma progression through Câ€C motif chemokine ligand 2â€mediated tumorâ€associated macrophage recruitment. Cancer Science, 2023, 114, 3270-3286.                                  | 3.9  | 2         |
| 6922 | Germ cell-specific eIF4E1b regulates maternal mRNA translation to ensure zygotic genome activation. Genes and Development, 2023, 37, 418-431.  | 5.9  | 6         |
| 6923 | Transcriptome analysis during ToLCBaV disease development in contrasting tomato genotypes. 3 Biotech, 2023, 13, .  | 2.2  | 0         |
| 6924 | Potential Mechanisms Underlying the Therapeutic Roles of Gancao fuzi Decoction in Cold-dampness Obstruction Syndrome-type Knee Osteoarthritis. Current Computer-Aided Drug Design, 2024, 20, 384-395.                                | 1.2  | 1         |
| 6925 | A T Cellâ€Engaging Tumor Organoid Platform for Pancreatic Cancer Immunotherapy. Advanced Science, 2023, 10, .  | 11.2 | 4         |
| 6926 | Minor intron splicing is critical for survival of lethal prostate cancer. Molecular Cell, 2023, 83, 1983-2002.e11.   | 9.7  | 3         |
| 6927 | HighAltitudeOmicsDB, an integrated resource for high-altitude associated genes and proteins, networks and semantic-similarities. Scientific Reports, 2023, 13, .   | 3.3  | 0         |
| 6928 | Functional characteristics of DNA N6-methyladenine modification based on long-read sequencing in pancreatic cancer. Briefings in Functional Genomics, 0, , .   | 2.7  | 0         |
| 6929 | Variants in SART3 cause a spliceosomopathy characterised by failure of testis development and neuronal defects. Nature Communications, 2023, 14, .   | 12.8 | 3         |
| 6930 | Exploring the potential mechanisms of Shiwei Hezi pill against nephritis based on the method of network pharmacology. Frontiers in Pharmacology, 0, 14, .  | 3.5  | 0         |
| 6931 | CDK1 in Pathogenesis of Gestational Diabetes Mellitus: A Bioinformatics Analysis and Verification. Journal of Biomaterials and Tissue Engineering, 2023, 13, 434-441.  | 0.1  | 1         |
| 6932 | Network pharmacology-based screening of active constituents of <i>Avicennia marina</i> and their clinical biochemistry related mechanism against breast cancer. Journal of Biomolecular Structure and Dynamics, 0, , 1-16.           | 3.5  | 0         |
| 6933 | Uncovering the mechanism of resveratrol in the treatment of diabetic kidney disease based on network pharmacology, molecular docking, and experimental validation. Journal of Translational Medicine, 2023, 21, .                    | 4.4  | 5         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 6934 | Potential alternative drug treatment for bone giant cell tumor. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .   | 3.7  | 0         |
| 6935 | Bioinformatics Analysis of the Molecular Networks Associated with the Amelioration of Aberrant Gene Expression by a Tyrâ€“Trp Dipeptide in Brains Treated with the Amyloid-Î² Peptide. <i>Nutrients</i> , 2023, 15, 2731.   | 4.1  | 0         |
| 6936 | Exploring Prognostic Biomarkers of Acute Myeloid Leukemia to Determine Its Most Effective Drugs from the FDA-Approved List through Molecular Docking and Dynamic Simulation. <i>BioMed Research International</i> , 2023, 2023, 1-26.                             | 1.9  | 2         |
| 6937 | Genome-wide scans for selection signatures in indigenous pigs revealed candidate genes relating to heat tolerance. <i>Animal</i> , 2023, 17, 100882.  | 3.3  | 4         |
| 6938 | Evaluation of the Genetic Diversity, Population Structure and Selection Signatures of Three Native Chinese Pig Populations. <i>Animals</i> , 2023, 13, 2010.  | 2.3  | 3         |
| 6939 | Schisandrin A ameliorates airway inflammation in model of asthma by attenuating Th2 response. <i>European Journal of Pharmacology</i> , 2023, 953, 175850.  | 3.5  | 2         |
| 6941 | A prognostic four-gene signature and a therapeutic strategy for hepatocellular carcinoma: Construction and analysis of a circRNA-mediated competing endogenous RNA network. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2023, , .                | 1.3  | 2         |
| 6942 | Exploring the pharmacological mechanisms of <i>Tripterygium wilfordii</i> against diabetic kidney disease using network pharmacology and molecular docking. <i>Heliyon</i> , 2023, 9, e17550.   | 3.2  | 0         |
| 6943 | Mechanisms of Si-Wu Decoction in the treatment of ulcerative colitis revealed by network pharmacology and experimental verification. <i>Journal of Ethnopharmacology</i> , 2023, 317, 116847.   | 4.1  | 2         |
| 6944 | New insights into hypothalamic neurogenesis disruption after acute and intense stress: implications for microglia and inflammation. <i>Frontiers in Neuroscience</i> , 0, 17, .   | 2.8  | 2         |
| 6946 | Modular antibodies reveal DNA damage-induced mono-ADP-ribosylation as a second wave of PARP1 signaling. <i>Molecular Cell</i> , 2023, 83, 1743-1760.e11.  | 9.7  | 14        |
| 6947 | Human ovarian follicular granulosa cells isolated during ART procedure reflect substantial changes in activation of hormonal signaling pathways, during long-term in vitro conditions. <i>Medical Journal of Cell Biology (discontinued)</i> , 2022, 10, 163-175. | 0.3  | 0         |
| 6949 | Feasibility study on the use of “Qi-tonifying medicine compound” as an anti-fatigue functional food ingredient based on network pharmacology and molecular docking. <i>Frontiers in Nutrition</i> , 0, 10, .  | 3.7  | 1         |
| 6950 | Network pharmacological study of Banxia-Chenpi in the treatment of cough variant asthma in children with phlegm evil accumulation lung syndrome. , 2023, 1, 96-105.   |      | 0         |
| 6951 | Identifying E3 Ligase Substrates With Quantitative Degradation Proteomics. <i>ChemBioChem</i> , 2023, 24, .   | 2.6  | 0         |
| 6953 | Matrine Alleviates Sepsis-Induced Myocardial Injury by Inhibiting Ferroptosis and Apoptosis. <i>Inflammation</i> , 2023, 46, 1684-1696.   | 3.8  | 4         |
| 6954 | Phylogenomic analyses provide insights into primate evolution. <i>Science</i> , 2023, 380, 913-924.   | 12.6 | 23        |
| 6956 | Globally reduced N6-methyladenosine (m6A) in C9ORF72-ALS/FTD dysregulates RNA metabolism and contributes to neurodegeneration. <i>Nature Neuroscience</i> , 2023, 26, 1328-1338.  | 14.8 | 5         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 6957 | Computational workflow for investigating highly variable genes in single-cell RNA-seq across multiple time points and cell types. STAR Protocols, 2023, 4, 102387.   | 1.2 | 0         |
| 6958 | Effect and Mechanism of Harmine on Echinococcosis Based on Network Pharmacology. Natural Product Communications, 2023, 18, .   | 0.5 | 0         |
| 6959 | Postsynaptic density radiation signature following space irradiation. Frontiers in Physiology, 0, 14, .  | 2.8 | 0         |
| 6960 | Proteomic analyses of primary human villous trophoblasts exposed to flame retardant BDE-47 using SWATH-MS. Toxicology, 2023, 494, 153583.  | 4.2 | 0         |
| 6962 | Integrative multi-omics and systems bioinformatics in translational neuroscience: A data mining perspective. Journal of Pharmaceutical Analysis, 2023, 13, 836-850.  | 5.3 | 14        |
| 6963 | Comprehensive chemical profiling of two Dendrobium species and identification of anti-hepatoma active constituents from Dendrobium chrysotoxum by network pharmacology. BMC Complementary Medicine and Therapies, 2023, 23, .                        | 2.7 | 1         |
| 6964 | Overexpression of <i>CD73</i> is associated with recurrence and poor prognosis of gingivobuccal oral cancer as revealed by transcriptome and deep immune profiling of paired tumor and margin tissues. Cancer Medicine, 2023, 12, 16774-16787.       | 2.8 | 1         |
| 6965 | Genome-wide detection of CNV regions between Anqing six-end-white and Duroc pigs. Molecular Cytogenetics, 2023, 16, .  | 0.9 | 0         |
| 6966 | Identification of mutation gene prognostic biomarker in multiple myeloma through gene panel exome sequencing and transcriptome analysis in Chinese population. Computers in Biology and Medicine, 2023, 163, 107224.                                 | 7.0 | 1         |
| 6967 | Extracellular vesicles in COVID-19 convalescence can regulate T cell metabolism and function. IScience, 2023, 26, 107280.  | 4.1 | 1         |
| 6968 | Comprehensive analysis of ferroptosis-related hub gene signatures as a potential pathogenesis and therapeutic target for systemic sclerosis: A bioinformatics analysis. International Journal of Immunopathology and Pharmacology, 2023, 37, .       | 2.1 | 1         |
| 6969 | Global Neuropeptidome Profiling in Response to Predator Stress in Rat: Implications for Post-Traumatic Stress Disorder. Journal of the American Society for Mass Spectrometry, 2023, 34, 1549-1558.  | 2.8 | 1         |
| 6970 | ADAM12 promotes the resistance of lung adenocarcinoma cells to EGFR-TKI and regulates the immune microenvironment by activating PI3K/Akt/mTOR and RAS signaling pathways. International Immunopharmacology, 2023, 122, 110580.                       | 3.8 | 1         |
| 6971 | Genome-Wide Analysis and Expression Profiling of the Glutathione Peroxidase-like Enzyme Gene Family in Solanum tuberosum. International Journal of Molecular Sciences, 2023, 24, 11078.  | 4.1 | 1         |
| 6972 | Prognostic value and chemotherapy response prediction of a proliferation essential gene signature in colon cancer. Bioscience Reports, 2023, 43, .   | 2.4 | 0         |
| 6973 | A pan-cancer analysis for the oncogenic role of cyclin-dependent kinase inhibitor 1B in human cancers. Discover Oncology, 2023, 14, .  | 2.1 | 0         |
| 6974 | Identification of age- and immune-related gene signatures for clinical outcome prediction in lung adenocarcinoma. Cancer Medicine, 2023, 12, 17475-17490.  | 2.8 | 1         |
| 6976 | Mechanism of Xiaoyao San in treating non-alcoholic fatty liver disease with liver depression and spleen deficiency: based on bioinformatics, metabolomics and <i>in vivo</i> experiments. Journal of Biomolecular Structure and Dynamics, 0, , 1-19. | 3.5 | 0         |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 6977 | Target Discovery of Matrine against PRRSV in Marc-145 Cells via Activity-Based Protein Profiling. International Journal of Molecular Sciences, 2023, 24, 11526.  | 4.1  | 0         |
| 6978 | Haematopoietic stem and progenitor cell heterogeneity is inherited from the embryonic endothelium. Nature Cell Biology, 2023, 25, 1135-1145.   | 10.3 | 3         |
| 6979 | HNSPPI: a hybrid computational model combining network and sequence information for predicting protein-protein interaction. Briefings in Bioinformatics, 2023, 24, .   | 6.5  | 3         |
| 6980 | New Gene Markers of Exosomal Regulation Are Involved in Porcine Granulosa Cell Adhesion, Migration, and Proliferation. International Journal of Molecular Sciences, 2023, 24, 11873.                                     | 4.1  | 0         |
| 6981 | Mumefural Improves Recognition Memory and Alters ERK-CREB-BDNF Signaling in a Mouse Model of Chronic Cerebral Hypoperfusion. Nutrients, 2023, 15, 3271.  | 4.1  | 0         |
| 6982 | An empirically adjusted weighted ordered <i>p</i> -values meta-analysis method for large-scale simultaneous significance testing in genomic experiments. Research Methods in Medicine & Health Sciences, 2024, 5, 37-48. | 1.2  | 0         |
| 6983 | Identifying circRNA-associated-ceRNA networks in juvenile spondyloarthropathies patients. Pediatric Rheumatology, 2023, 21, .  | 2.1  | 0         |
| 6984 | MAT as a promising therapeutic strategy against triple-negative breast cancer via inhibiting PI3K/AKT pathway. Scientific Reports, 2023, 13, .   | 3.3  | 0         |
| 6985 | Identification of distinct gene expression modules and specific hub genes in skin lesions of atopic dermatitis and psoriasis by WGCNA. FEBS Open Bio, 2023, 13, 1887-1894.   | 2.3  | 0         |
| 6986 | Gene expression changes in sickle cell reticulocytes and their clinical associations. Scientific Reports, 2023, 13, .  | 3.3  | 0         |
| 6987 | Deciphering the molecular basis of abiotic stress response in cucumber (Cucumis sativus L.) using RNA-Seq meta-analysis, systems biology, and machine learning approaches. Scientific Reports, 2023, 13, .               | 3.3  | 0         |
| 6988 | DNASE1L3 enhances antitumor immunity and suppresses tumor progression in colon cancer. JCI Insight, 2023, 8, .   | 5.0  | 1         |
| 6989 | Rucaparib inhibits lung adenocarcinoma cell proliferation and migration via the SHCBP1-CDK1 pathway. FEBS Journal, 2023, 290, 5720-5743.   | 4.7  | 1         |
| 6990 | Gene expression changes in COVID-19 patients impact pathways related to circadian rhythm, phosphatidylinositol signaling, cytokine storm, and platelet aggregation. Gene Reports, 2023, 33, 101831.                      | 0.8  | 0         |
| 6991 | Pancancer network analysis reveals key master regulators for cancer invasiveness. Journal of Translational Medicine, 2023, 21, .   | 4.4  | 0         |
| 6992 | A co-formulation of interferons alpha2b and gamma distinctively targets cell cycle in the glioblastoma-derived cell line U-87MG. BMC Cancer, 2023, 23, .   | 2.6  | 0         |
| 6993 | Sepsis induces non-classic innate immune memory in granulocytes. Cell Reports, 2023, 42, 113044.   | 6.4  | 1         |
| 6995 | Intestinal GPDH-1 regulates high glucose diet induced lifespan extension in aged worms. PeerJ, 0, 11, e15845.  | 2.0  | 0         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 6996 | Gene Co-Expression Networks Offer New Perspectives on Sepsis Pathophysiology. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2023, , 1-10.   | 3.0 | 0         |
| 6997 | Impaired resolution of blood transcriptomes through tuberculosis treatment with diabetes comorbidity. Clinical and Translational Medicine, 2023, 13, .   | 4.0 | 0         |
| 6998 | Analysis of the phosphoproteome in human dental follicle cells during osteogenic differentiation. European Journal of Oral Sciences, 2023, 131, .  | 1.5 | 0         |
| 6999 | Identification of essential genes associated with SARS-CoV-2 infection as potential drug target candidates with machine learning algorithms. Scientific Reports, 2023, 13, .   | 3.3 | 3         |
| 7000 | Identification of candidate target genes of oral squamous cell carcinoma using high-throughput RNA-Seq data and <i>in silico</i> studies of their interaction with naturally occurring bioactive compounds. Journal of Biomolecular Structure and Dynamics, 0, , 1-21.         | 3.5 | 0         |
| 7001 | Identification of cuproptosis-related genes for predicting the development of prostate cancer. Open Medicine (Poland), 2023, 18, .   | 1.3 | 0         |
| 7002 | Estrogen receptor $\hat{1}^2$ affects hypoxia response in colorectal cancer cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2024, 1870, 166894.   | 3.8 | 1         |
| 7003 | Characterizing the mutational burden, DNA methylation landscape, and proteome of germ cell tumor-related somatic-type malignancies to identify the tissue-of-origin, mechanisms of therapy resistance, and druggable targets. British Journal of Cancer, 2023, 129, 1580-1589. | 6.4 | 4         |
| 7004 | The lncRNA MIR99AHG directs alternative splicing of <i>SMARCA1</i> by PTBP1 to enable invadopodia formation in colorectal cancer cells. Science Signaling, 2023, 16, .   | 3.6 | 0         |
| 7005 | Knockdown of RBM15 inhibits tumor progression and the JAK-STAT signaling pathway in cervical cancer. BMC Cancer, 2023, 23, .   | 2.6 | 1         |
| 7006 | NOP2/Sun RNA methyltransferase 2 is a potential pan-cancer prognostic biomarker and is related to immunity. PLoS ONE, 2023, 18, e0292212.  | 2.5 | 1         |
| 7007 | Integrated omics and machine learning-assisted profiling of cysteine-rich-receptor-like kinases from three peanut spp. revealed their role in multiple stresses. Frontiers in Genetics, 0, 14, .   | 2.3 | 1         |
| 7008 | Identification of Ferroptosis-related potential biomarkers and immunocyte characteristics in Chronic Thromboembolic Pulmonary Hypertension via bioinformatics analysis. BMC Cardiovascular Disorders, 2023, 23, .  | 1.7 | 1         |
| 7009 | eIF3d controls the persistent integrated stress response. Molecular Cell, 2023, 83, 3303-3313.e6.  | 9.7 | 7         |
| 7010 | Pleiotropic influence of DNA methylation QTLs on physiological and ageing traits. Epigenetics, 2023, 18, .   | 2.7 | 0         |
| 7011 | Analyzing Active Compounds in Elateriospermum tapos Yogurt for Maternal Obesity: A Network Pharmacology and Molecular Docking Study. Foods, 2023, 12, 3575.  | 4.3 | 0         |
| 7012 | OVCH1 Antisense RNA 1 is differentially expressed between non-frail and frail old adults. GeroScience, 2024, 46, 2063-2081.  | 4.6 | 1         |
| 7013 | Thymus satureioides Coss. combats oral ulcer via inhibition of inflammation, proteolysis, and apoptosis. Inflammopharmacology, 2023, 31, 2557-2570.  | 3.9 | 1         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 7014 | Phosphoproteome reveals long-term potentiation deficit following treatment of ultra-low dose soman exposure in mice. <i>Journal of Hazardous Materials</i> , 2023, 459, 132211.  | 12.4 | 0         |
| 7017 | Bioinformatics analysis of carotid vulnerable plaques associated with the SARS-CoV-2 pattern. <i>Gene</i> , 2023, 888, 147754.   | 2.2  | 0         |
| 7018 | The arginine methyltransferase Prmt1 coordinates the germline arginine methylome essential for spermatogonial homeostasis and male fertility. <i>Nucleic Acids Research</i> , 0, , .   | 14.5 | 0         |
| 7020 | Unveiling the multi-target compounds of <i>Rhazya stricta</i> : Discovery and inhibition of novel target genes for the treatment of clear cell renal cell carcinoma. <i>Computers in Biology and Medicine</i> , 2023, 165, 107424.                                       | 7.0  | 1         |
| 7021 | PRRSV alters m6A methylation and alternative splicing to regulate immune, extracellular matrix-associated function. <i>International Journal of Biological Macromolecules</i> , 2023, 253, 126741.   | 7.5  | 0         |
| 7022 | Upregulation of the key biomarker kinesin family member 20A (KIF20A) is associated with pulmonary artery hypertension. <i>Genomics</i> , 2023, 115, 110705.  | 2.9  | 0         |
| 7024 | Gene LY96 is an M2 macrophage-related biomarker and is associated with immunosuppression in renal cell carcinoma. , 2023, 2, .   |      | 1         |
| 7026 | Transcriptomics and biochemical evidence of trigonelline ameliorating learning and memory decline in the senescence-accelerated mouse prone 8 (SAMP8) model by suppressing proinflammatory cytokines and elevating neurotransmitter release. <i>GeroScience</i> , 0, , . | 4.6  | 3         |
| 7027 | Analysis of Differentially Expressed circRNAs and mRNAs and Their Correlation Network in Peripheral Blood of COVID-19 Patients. , 2023, , .  |      | 0         |
| 7028 | LncRNA SLCO4A1-AS1 suppresses lung cancer progression by sequestering the TOX4-NTSR1 signaling axis. <i>Journal of Biomedical Science</i> , 2023, 30, .  | 7.0  | 2         |
| 7029 | Dysregulation of the progranulin-driven autophagy-lysosomal pathway mediates secretion of the nuclear protein TDP-43. <i>Journal of Biological Chemistry</i> , 2023, 299, 105272.  | 3.4  | 2         |
| 7031 | Construction of an anoikis-related prognostic signature to predict immunotherapeutic response and prognosis in hepatocellular carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2023, 149, 16869-16884.   | 2.5  | 0         |
| 7032 | Identification of druggable genes for multiple myeloma based on genomic information. <i>Genomics and Informatics</i> , 2023, 21, e31.  | 0.8  | 0         |
| 7033 | Dysregulated ceramides metabolism via PTPN11 exposes a metabolic vulnerability to breast cancer metastasis. , 2023, 40, .  |      | 0         |
| 7034 | Xiegan-Liangxue-Jiedu Decoction Alleviated Psoriasis and Depressionlike Behavior in a Mouse Model: Role of the AC-cAMP-PKA-CREB Signaling Pathway. <i>Pharmacognosy Magazine</i> , 0, , .  | 0.6  | 0         |
| 7035 | Genomic approaches to explore susceptibility and pathogenesis of alcohol use disorder and alcohol-associated liver disease. <i>Hepatology</i> , 0, , .   | 7.3  | 0         |
| 7036 | A fluorophore-conjugated reagent enabling rapid detection, isolation and live tracking of senescent cells. <i>Molecular Cell</i> , 2023, 83, 3558-3573.e7.   | 9.7  | 3         |
| 7037 | Analysis of two-gene signatures and related drugs in small-cell lung cancer by bioinformatics. <i>Open Medicine (Poland)</i> , 2023, 18, .   | 1.3  | 0         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 7040 | Low RNA stability signifies strong expression regulatability of tumor suppressors. Nucleic Acids Research, 0, , .  | 14.5 | 0         |
| 7041 | Identifying Critical Regulators in the Viral Stress Response of Wheat ( <i>Triticum aestivum</i> L.) Using Large-Scale Transcriptomics Data. Agronomy, 2023, 13, 2610.   | 3.0  | 0         |
| 7042 | Analyzing the Impact of Diesel Exhaust Particles on Lung Fibrosis Using Dual PCR Array and Proteomics: YWHAZ Signaling. Toxics, 2023, 11, 859.   | 3.7  | 0         |
| 7043 | Efficient analysis of toxicity and mechanisms of environmental pollutants with network toxicology and molecular docking strategy: Acetyl tributyl citrate as an example. Science of the Total Environment, 2023, 905, 167904.                  | 8.0  | 1         |
| 7045 | Identifying Genetic Signatures from Single-Cell RNA Sequencing Data by Matrix Imputation and Reduced Set Gene Clustering. Mathematics, 2023, 11, 4315.   | 2.2  | 0         |
| 7046 | Novel hub genes and regulatory network related to ferroptosis in tetralogy of Fallot. Frontiers in Pediatrics, 0, 11, .  | 1.9  | 0         |
| 7047 | Novel Mouse Cell Lines and In Vivo Models for Human High-Grade Neuroendocrine Lung Carcinoma, Small Cell Lung Carcinoma (SCLC), and Large Cell Neuroendocrine Carcinoma (LCNEC). International Journal of Molecular Sciences, 2023, 24, 15284. | 4.1  | 2         |
| 7048 | Modelling TDP-43 proteinopathy in <i>Drosophila</i> uncovers shared and neuron-specific targets across ALS and FTD relevant circuits. Acta Neuropathologica Communications, 2023, 11, .  | 5.2  | 1         |
| 7049 | ETV4 facilitates angiogenesis in hepatocellular carcinoma by upregulating MMP14 expression. Biochemical and Biophysical Research Communications, 2023, 684, 149137.  | 2.1  | 0         |
| 7050 | Fibroblast growth factor inhibition by molecular-targeted agents mitigates immunosuppressive tissue microenvironment in hepatocellular carcinoma. Hepatology International, 0, , .   | 4.2  | 0         |
| 7051 | Integrated Transcriptomics and Network Analysis of Potential Mechanisms and Health Effects of Convalescent COVID-19 Patients. Bioinformatics and Biology Insights, 2023, 17, .   | 2.0  | 0         |
| 7052 | Deciphering essential druggable genes reveals potential immune-inflammatory axis in hepatocellular carcinoma. Computers in Biology and Medicine, 2023, 167, 107625.  | 7.0  | 0         |
| 7053 | Genome-Wide Association Study of Fiber Diameter in Alpacas. Animals, 2023, 13, 3316.   | 2.3  | 1         |
| 7054 | Expression signature of ten small nuclear RNAs serves as novel biomarker for prognosis prediction of acute myeloid leukemia. Scientific Reports, 2023, 13, .   | 3.3  | 0         |
| 7055 | Dairy Intake Modifies the Level of the Bile Acid Precursor and Its Correlation with Serum Proteins Associated with Cholesterol Clearance in Subjects with Hyperinsulinemia. Nutrients, 2023, 15, 4707.   | 4.1  | 0         |
| 7056 | Brain Gene Co-Expression Network Analysis Identifies 22q13 Region Genes Associated with Autism, Intellectual Disability, Seizures, Language Impairment, and Hypotonia. Genes, 2023, 14, 1998.  | 2.4  | 1         |
| 7057 | CRISPRâ€Cas9-based functional interrogation of unconventional translome reveals human cancer dependency on cryptic non-canonical open reading frames. Nature Structural and Molecular Biology, 2023, 30, 1878-1892.                            | 8.2  | 1         |
| 7058 | Across-country genetic and genomic analyses of foot score traits in American and Australian Angus cattle. Genetics Selection Evolution, 2023, 55, .  | 3.0  | 0         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 7059 | Functional Proteomics Characterization of the Role of SPRYD7 in Colorectal Cancer Progression and Metastasis. <i>Cells</i> , 2023, 12, 2548.   | 4.1 | 0         |
| 7060 | Key pathways and genes that are altered during treatment with hyperbaric oxygen in patients with sepsis due to necrotizing soft tissue infection (HBOmic study). <i>European Journal of Medical Research</i> , 2023, 28, .   | 2.2 | 0         |
| 7061 | Alleviation of DSS-induced colitis via bovine colostrum-derived extracellular vesicles with microRNA <i>let-7a-5p</i> is mediated by regulating <i>Akkermansia</i> and $\text{p}^2$ -hydroxybutyrate in gut environments. <i>Microbiology Spectrum</i> , 2023, 11, . | 3.0 | 0         |
| 7062 | Network Pharmacology, Molecular Docking, and Molecular Dynamics Simulation to Elucidate the Molecular Targets and Potential Mechanism of <i>Phoenix dactylifera</i> (Ajwa Dates) against Candidiasis. <i>Pathogens</i> , 2023, 12, 1369.                             | 2.8 | 0         |
| 7063 | Integrated bioinformatics and validation to construct lncRNA-miRNA-mRNA ceRNA network in status epilepticus. <i>Heliyon</i> , 2023, 9, e22205.   | 3.2 | 0         |
| 7064 | MBD1 protects replication fork stability by recruiting PARP1 and controlling transcription-replication conflicts. <i>Cancer Gene Therapy</i> , 0, , .  | 4.6 | 0         |
| 7065 | GENI: A web server to identify gene set enrichments in tumor samples. <i>Computational and Structural Biotechnology Journal</i> , 2023, 21, 5531-5537.   | 4.1 | 1         |
| 7066 | The effective compounds and mechanisms of Cang-Fu-Dao-Tan Formula in treating polycystic ovary syndrome based on UPLC/Q-TOF-MS/MS, network pharmacology and molecular experiments. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2024, 239, 115867.     | 2.8 | 0         |
| 7067 | The construction of a testis transcriptional cell atlas from embryo to adult reveals various somatic cells and their molecular roles. <i>Journal of Translational Medicine</i> , 2023, 21, .   | 4.4 | 0         |
| 7068 | VEGFR and DPP-IV as Markers of Severe COVID-19 and Predictors of ICU Admission. <i>International Journal of Molecular Sciences</i> , 2023, 24, 17003.  | 4.1 | 1         |
| 7069 | Integrated analysis of the lncRNA-associated competing endogenous RNA network in salt sensitivity of blood pressure. <i>Heliyon</i> , 2023, 9, e22466.   | 3.2 | 0         |
| 7070 | Remodeling of the gastric environment in <i>Helicobacter pylori</i> -induced atrophic gastritis. <i>MSystems</i> , 2024, 9, .  | 3.8 | 1         |
| 7071 | Global genomic diversity and conservation of SARS-CoV-2 since the COVID-19 outbreak. <i>Microbiology Spectrum</i> , 2023, 11, .  | 3.0 | 0         |
| 7074 | Computational Tools for Functional Analysis of Circular RNAs. <i>RNA Technologies</i> , 2023, , 327-342.   | 0.3 | 0         |
| 7075 | Differential Expression Analysis Utilizing Condition-Specific Metabolic Pathways. <i>Metabolites</i> , 2023, 13, 1127.   | 2.9 | 0         |
| 7077 | Enhancing Proteome Coverage by Using Strong Anion-Exchange in Tandem with Basic-pH Reversed-Phase Chromatography for Sample Multiplexing-Based Proteomics. <i>Journal of Proteome Research</i> , 0, , .  | 3.7 | 0         |
| 7078 | Transcriptome sequencing and microRNA-mRNA regulatory network construction in the lens from a Na <sub>2</sub> SeO <sub>3</sub> -induced Sprague Dawley rat cataract model. <i>BMC Ophthalmology</i> , 2023, 23, .  | 1.4 | 0         |
| 7079 | Infant pain vs. pain with parental suppression: Immediate and enduring impact on brain, pain and affect. <i>PLoS ONE</i> , 2023, 18, e0290871.   | 2.5 | 0         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 7080 | Investigating the prognostic and predictive value of the type II cystatin genes in gastric cancer. BMC Cancer, 2023, 23, .   | 2.6 | 0         |
| 7082 | Toward Systems-Level Metabolic Analysis in Endocrine Disorders and Cancer. Endocrinology and Metabolism, 2023, 38, 619-630.  | 3.0 | 1         |
| 7083 | Head and neck squamous cell carcinoma-specific prognostic signature and drug sensitive subtypes based on programmed cell death-related genes. PeerJ, 0, 11, e16364.  | 2.0 | 0         |
| 7086 | Conserved and species-specific transcriptional responses to daily programmed resistance exercise in rat and mouse. FASEB Journal, 2023, 37, .  | 0.5 | 0         |
| 7087 | 5-Aza-2-Deoxycytidine Alters the Methylation Profile of Bortezomib-Resistant U266 Multiple Myeloma Cells and Affects Their Proliferative Potential. International Journal of Molecular Sciences, 2023, 24, 16780.                    | 4.1 | 2         |
| 7088 | Predictive model for vitamin C levels in hyperinsulinemic individuals based on age, sex, waist circumference, low-density lipoprotein, and immune-associated serum proteins. Journal of Nutritional Biochemistry, 2024, 125, 109538. | 4.2 | 0         |
| 7090 | Genome-Wide Identification and Comprehensive Analysis of the FtsH Gene Family in Soybean (Glycine) Tj ETQq0 0 0 rgBT /Overlock 10 T  | 4.1 | 0         |
| 7091 | Network pharmacology integrated with molecular docking technology to reveal the potential mechanism of Shuganfang against drug-induced liver injury. Medicine (United States), 2023, 102, e36349.                                    | 1.0 | 0         |
| 7092 | Examining the Potential of Vitamin C Supplementation in Tissue-Engineered Equine Superficial Digital Flexor Tendon Constructs. International Journal of Molecular Sciences, 2023, 24, 17098.   | 4.1 | 0         |
| 7093 | Chromatin target of protein arginine methyltransferases alleviates cerebral ischemia/reperfusion-induced injury by regulating RNA alternative splicing. IScience, 2024, 27, 108688.  | 4.1 | 1         |
| 7094 | Network pharmacology integrated with experimental verification reveals the antipyretic characteristics and mechanism of Zi Xue powder. Pharmaceutical Biology, 2023, 61, 1512-1524.  | 2.9 | 0         |
| 7095 | Baiheqingjin formula reduces inflammation in mice with asthma by inhibiting the PI3K/AKT/NF- $\kappa$ B signaling pathway. Journal of Ethnopharmacology, 2024, 321, 117565.  | 4.1 | 0         |
| 7096 | Extracellular vesicle proteome unveils cathepsin B connection to Alzheimer's disease pathogenesis. Brain, 2024, 147, 627-636.  | 7.6 | 0         |
| 7098 | Potential Hepatoprotective Effects of Chamaecyparis lawsoniana against Methotrexate-Induced Liver Injury: Integrated Phytochemical Profiling, Target Network Analysis, and Experimental Validation. Antioxidants, 2023, 12, 2118.    | 5.1 | 0         |
| 7100 | WGCNA combined with machine learning to find potential biomarkers of liver cancer. Medicine (United States), 2023, 102, e36536.  | 1.0 | 0         |
| 7101 | Endoxifen downregulates AKT phosphorylation through protein kinase C beta 1 inhibition in ER $\pm$ breast cancer. Npj Breast Cancer, 2023, 9, .  | 5.2 | 0         |
| 7102 | Exploring the mechanism of action bitter melon in the treatment of breast cancer by network pharmacology. World Journal of Experimental Medicine, 0, 13, 142-155.  | 1.7 | 0         |
| 7103 | Adipose retinol saturase is regulated by $\beta$ -adrenergic signaling and its deletion impairs lipolysis in adipocytes and acute cold tolerance in mice. Molecular Metabolism, 2024, 79, 101855.                                    | 6.5 | 0         |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 7104 | Ferroptosis-related genes are considered as potential targets for CPAP treatment of obstructive sleep apnea. <i>Frontiers in Neurology</i> , 0, 14, .   | 2.4 | 0         |
| 7105 | Prediction of network pharmacology, molecular docking-based strategy, and vitro assays to determine potential pharmacological mechanism of <i>Dioscoreae bulbiferae</i> and <i>Bruceae fructus</i> against laryngocarcinoma. <i>Medicine (United States)</i> , 2023, 102, e36771. | 1.0 | 0         |
| 7106 | Non-collagenous proteins, rather than the collagens, are key biochemical factors that mediate tenogenic bioactivity of tendon extracellular matrix. <i>Acta Biomaterialia</i> , 2024, 176, 99-115.  | 8.3 | 0         |
| 7107 | Drivers of cancer metastasis “Arise early and remain present. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2024, 1879, 189060.   | 7.4 | 1         |
| 7108 | Wnt7a Decreases Brain Endothelial Barrier Function Via $\beta$ -Catenin Activation. <i>Molecular Neurobiology</i> , 0, , .  | 4.0 | 0         |
| 7109 | EXPLORATION OF MECHANISM OF <i>HYGROPHILA AURICULATA</i> TO TREAT CARBOPLATIN INDUCED TOXICITIES BUILT ON NETWORK PHARMACOLOGY. <i>Indian Drugs</i> , 2023, 60, 70-81.  | 0.1 | 0         |
| 7110 | FSH $\beta$ links photoperiodic signaling to seasonal reproduction in Japanese quail. <i>ELife</i> , 0, 12, .   | 6.0 | 0         |
| 7111 | Triclosan and its alternatives, especially chlorhexidine, modulate macrophage immune response with distinct modes of action. <i>Science of the Total Environment</i> , 2024, 914, 169650.   | 8.0 | 0         |
| 7112 | Identification of novel stage-specific key biomarkers gene for early stage, advanced stage, and metastatic oral squamous cell carcinoma using systems biology approach. <i>MGM Journal of Medical Sciences</i> , 2023, 10, 610-620.   | 0.1 | 0         |
| 7113 | RhoA GEF Mcf2lb regulates rosette integrity during collective cell migration. <i>Development (Cambridge)</i> , 2024, 151, .   | 2.5 | 1         |
| 7114 | Pathway analysis through mutual information. <i>Bioinformatics</i> , 2024, 40, .  | 4.1 | 0         |
| 7115 | Genome-wide association study between copy number variation and feeding behavior, feed efficiency, and growth traits in Nellore cattle. <i>BMC Genomics</i> , 2024, 25, .   | 2.8 | 0         |
| 7116 | Network pharmacology prediction and molecular docking-based strategy to explore the potential mechanism of <i>Duhuo</i> “Jisheng pair against osteoarthritis. <i>Journal of Pharmacy and Pharmacology</i> , 0, , .  | 2.4 | 0         |
| 7117 | Microarray Analysis of the Gene Expression Profiles of SL2 Cells Stimulated by LPS/PGN and Curdlan. <i>Molecules and Cells</i> , 2008, 25, 553-558.   | 2.6 | 0         |
| 7118 | Optimizing MS-Based Multi-Omics: Comparative Analysis of Protein, Metabolite, and Lipid Extraction Techniques. <i>Metabolites</i> , 2024, 14, 34.   | 2.9 | 0         |
| 7119 | CK1 $\beta$ inhibition induces ULK1-mediated autophagy in tumorigenesis. <i>Translational Oncology</i> , 2024, 40, 101863.  | 3.7 | 0         |
| 7120 | Danggui-Shaoyao-San (DSS) ameliorates the progression of osteoarthritis via suppressing the NF- $\kappa$ B signaling pathway: an in vitro and in vivo study combined with bioinformatics analysis. <i>Aging</i> , 0, , .  | 3.1 | 0         |
| 7121 | CircSKA3 is Associated With the Risk of Extracranial Artery Stenosis and Plaque Instability Among Ischemic Stroke Patients. <i>Cellular and Molecular Neurobiology</i> , 2024, 44, .  | 3.3 | 0         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 7122 | ANGPTL4 accelerates ovarian serous cystadenocarcinoma carcinogenesis and angiogenesis in the tumor microenvironment by activating the JAK2/STAT3 pathway and interacting with ESM1. Journal of Translational Medicine, 2024, 22, .   | 4.4  | 0         |
| 7123 | Exploring the resistance mechanism of triple-negative breast cancer to paclitaxel through the scRNA-seq analysis. PLoS ONE, 2024, 19, e0297260.  | 2.5  | 0         |
| 7124 | Small Warriors of Nature: Novel Red Emissive Chlorophyllin Carbon Dots Harnessing Fentonâ€Fueled Ferroptosis for In Vitro and In Vivo Cancer Treatment. Small, 2024, 20, .   | 10.0 | 0         |
| 7125 | Machine learning applications in cancer genomics. , 2024, , 41-72.   |      | 0         |
| 7126 | Genomic overview of INA-induced NPR1 targeting and transcriptional cascades in Arabidopsis. Nucleic Acids Research, 2024, 52, 3572-3588.   | 14.5 | 0         |
| 7128 | Single-nucleus multi-omic profiling of human placental syncytiotrophoblasts identifies cellular trajectories during pregnancy. Nature Genetics, 2024, 56, 294-305.   | 21.4 | 1         |
| 7129 | Physical Peculiarity of Two Sites in Human Promoters: Universality and Diverse Usage in Gene Function. International Journal of Molecular Sciences, 2024, 25, 1487.  | 4.1  | 0         |
| 7130 | Single-cell analysis reveals ADGRL4+â€%renal tubule cells as a highly aggressive cell type in clear cell renal cell carcinoma. Scientific Reports, 2024, 14, .   | 3.3  | 0         |
| 7131 | Nanopore Direct RNA Sequencing Reveals the Short-Term Salt Stress Response in Maize Roots. Plants, 2024, 13, 405.  | 3.5  | 0         |
| 7132 | Transcriptome and machine learning analysis of the impact of COVID-19 on mitochondria and multiorgan damage. PLoS ONE, 2024, 19, e0297664.   | 2.5  | 0         |
| 7133 | Transcriptome Analysis in Mexican Adults with Acute Lymphoblastic Leukemia. International Journal of Molecular Sciences, 2024, 25, 1750.   | 4.1  | 0         |
| 7134 | Identification of renal ischemia reperfusion injury-characteristic genes, pathways and immunological micro-environment features through bioinformatics approaches. Aging, 0, , .   | 3.1  | 0         |
| 7135 | Discovery of 2,8-dihydroxyadenine in HUA patients with uroliths and biomarkers for its associated nephropathy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2024, 1870, 167051.   | 3.8  | 0         |
| 7136 | Variant- and vaccination-specific alternative splicing profiles in SARS-CoV-2 infections. IScience, 2024, 27, 109177.  | 4.1  | 0         |
| 7138 | Deregulated Transcriptome as a Platform for Adrenal Huntingtontm's Disease-Related Pathology. International Journal of Molecular Sciences, 2024, 25, 2176.   | 4.1  | 0         |
| 7139 | Prevention of neointimal hyperplasia after coronary artery bypass graft via local delivery of sirolimus and rosuvastatin: network pharmacology and in vivo validation. Journal of Translational Medicine, 2024, 22, .  | 4.4  | 0         |
| 7140 | PMAIP1, a novel diagnostic and potential therapeutic biomarker in osteoporosis. Aging, 2024, 16, 3694-3715.  | 3.1  | 0         |
| 7141 | Network pharmacology and in vitro experiments reveal sophoridineâ€induced apoptosis and <scp>G<sub>1</sub></scp> phase arrest via <scp>ROS</scp>â€dependent <scp>PI3K</scp>/Akt/<scp>FoxO3a</scp> pathway activation in human bladder cancer cells. Chemical Biology and Drug Design, 2024, 103, . | 3.2  | 0         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 7142 | Comprehensive analysis identifies crucial genes associated with immune cells mediating progression of carotid atherosclerotic plaque. <i>Aging</i> , 2024, 16, 3880-3895.  | 3.1 | 0         |
| 7143 | The chemokine CCL20 can assist AFP in serological diagnosis of hepatocellular carcinoma. <i>Heliyon</i> , 2024, 10, e26774.  | 3.2 | 0         |
| 7144 | Screening of potential key genes in esophageal cancer based on RBP and expression verification of HENMT1. <i>Medicine (United States)</i> , 2023, 102, e36544.   | 1.0 | 0         |
| 7145 | System biology approach to delineate expressional difference in the blood mononuclear cells between healthy and Turner syndrome individuals. <i>Egyptian Journal of Medical Human Genetics</i> , 2024, 25, .   | 1.0 | 0         |
| 7148 | Integrated Bioinformatics Analysis Identified ASNS and DDIT3 as the Therapeutic Target in Castrate-Resistant Prostate Cancer. <i>International Journal of Molecular Sciences</i> , 2024, 25, 2836.   | 4.1 | 0         |
| 7149 | Comparative transcriptomic analysis of circulating endothelial cells in sickle cell stroke. <i>Annals of Hematology</i> , 2024, 103, 1167-1179.  | 1.8 | 0         |
| 7150 | Network pharmacology and experimental verification study on the mechanism of Hedyotis diffusa Willd in treating colorectal cancer. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 0, , .  | 3.0 | 0         |
| 7151 | The potential mechanism of ursolic acid in the treatment of bladder cancer based on network pharmacology and molecular docking. <i>Journal of International Medical Research</i> , 2024, 52, .   | 1.0 | 0         |
| 7152 | Banxia-Shengjiang drug pair inhibits gastric cancer development and progression by improving body immunity. <i>Medicine (United States)</i> , 2024, 103, e36303.   | 1.0 | 0         |
| 7153 | Unravelling the role of HAS2, GREM1, and PTGS2 gene expression in cumulus cells: implications for human oocyte development competency - a systematic review and integrated bioinformatic analysis. <i>Frontiers in Endocrinology</i> , 0, 15, .                              | 3.5 | 0         |
| 7154 | Identification of estrogen response-associated STRA6+ granulosa cells within high-grade serous ovarian carcinoma by single-cell sequencing. <i>Heliyon</i> , 2024, 10, e27790.   | 3.2 | 0         |
| 7155 | Genomic alterations in ovarian endometriosis and subsequently diagnosed ovarian carcinoma. <i>Human Reproduction</i> , 2024, 39, 1141-1154.  | 0.9 | 0         |
| 7156 | Identification and validation of hub genes expressed in ulcerative colitis with metabolic dysfunction-associated steatotic liver disease. <i>Frontiers in Immunology</i> , 0, 15, .  | 4.8 | 0         |
| 7157 | Identification of Dalbergiae Odoriferae Lignum active ingredients and potential mechanisms in the treatment of adriamycin-induced cardiotoxicity based on network pharmacology and experimental verification. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 0, , . | 3.0 | 0         |
| 7160 | Discovery of cinnamylaldehyde-derived mono-carbonyl curcumin analogs as anti-gastric cancer agents via suppression of STAT3 and AKT pathway. <i>Bioorganic Chemistry</i> , 2024, 146, 107306.  | 4.1 | 0         |
| 7161 | CD4 T cell-secreted IFN- $\gamma$ in Sjögren's syndrome induces salivary gland epithelial cell ferroptosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2024, 1870, 167121.  | 3.8 | 0         |
| 7162 | Identification of key lncRNAs in age-related macular degeneration through integrated bioinformatics and experimental validation. <i>Aging</i> , 2024, 16, 5435-5451.   | 3.1 | 0         |
| 7163 | Network Pharmacology and Experimental Verification Reveal the Regulatory Mechanism of Chuanbeimu in Treating Chronic Obstructive Pulmonary Disease. <i>International Journal of COPD</i> , 0, Volume 19, 799-813.  | 2.3 | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 7164 | Bioinformatics analysis and validation of genes related to paclitaxel's anti-breast cancer effect through immunogenic cell death. Heliyon, 2024, 10, e28409.  | 3.2 | 0         |
| 7165 | Transcriptome free energy can serve as a dynamic patient-specific biomarker in acute myeloid leukemia. Npj Systems Biology and Applications, 2024, 10, .  | 3.0 | 0         |
| 7166 | Inflammatory response in dairy cows caused by heat stress and biological mechanisms for maintaining homeostasis. PLoS ONE, 2024, 19, e0300719.  | 2.5 | 0         |
| 7167 | Molecular mechanisms of quetiapine bidirectional regulation of bipolar depression and mania based on network pharmacology and molecular docking: Evidence from computational biology. Journal of Affective Disorders, 2024, 355, 528-539. | 4.1 | 0         |
| 7168 | Integrative approach using network pharmacology, bioinformatics, and experimental methods to explore the mechanism of cantharidin in treating colorectal cancer. Naunyn-Schmiedeberg's Archives of Pharmacology, 0, , .                   | 3.0 | 0         |