# Minoru Sh Ko

List of Publications by Year
in descending order



| 160 | 15,075 | 19608 61 | 19136 118 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 169 | 169 | 169 | 18049 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pluripotency governed by Sox2 via regulation of Oct3/4 expression in mouse embryonic stem cells. Nature Cell Biology, 2007, 9, 625-635. | 4.6 | 1,061 |
| 2 | Dynamics of Global Gene Expression Changes during Mouse Preimplantation Development. Developmental Cell, 2004, 6, 117-131. | 3.1 | 814 |
| 3 | Maps from two interspecific backcross DNA panels available as a community genetic mapping resource. Mammalian Genome, 1994, 5, 253-274. | 1.0 | 652 |
| 4 | Database for mRNA Half-Life of 19 977 Genes Obtained by DNA Microarray Analysis of Pluripotent and Differentiating Mouse Embryonic Stem Cells. DNA Research, 2009, 16, 45-58. | 1.5 | 503 |
| 5 | The Status, Quality, and Expansion of the NIH Full-Length cDNA Project: The Mammalian Gene Collection (MGC). Genome Research, 2004, 14, 2121-2127. | 2.4 | 486 |
| 6 | Sarcoma viruses carrying ras oncogenes induce differentiation-associated properties in a neuronal cell line. Nature, 1985, 318, 73-75. | 13.7 | 470 |
| 7 | Age-associated alteration of gene expression patterns in mouse oocytes. Human Molecular Genetics, 2004, 13, 2263-2278. | 1.4 | 455 |
| 8 | Genome-wide expression profiling of mid-gestation placenta and embryo using a 15,000 mouse developmental cDNA microarray. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 9127-9132. | 3.3 | 383 |
| 9 | Zscan4 regulates telomere elongation and genomic stability in ES cells. Nature, 2010, 464, 858-863. | 13.7 | 375 |
| 10 | AGEMAP: A Gene Expression Database for Aging in Mice. PLoS Genetics, 2007, 3, e201. | 1.5 | 355 |
| 11 | Loss of Imprinting of Igf2 Alters Intestinal Maturation and Tumorigenesis in Mice. Science, 2005, 307, 1976-1978. | 6.0 | 312 |
| 12 | SCODE: an efficient regulatory network inference algorithm from single-cell RNA-Seq during differentiation. Bioinformatics, 2017, 33, 2314-2321. | 1.8 | 297 |
| 13 | The Tabby phenotype is caused by mutation in a mouse homologue of the EDA gene that reveals novel mouse and human exons and encodes a protein (ectodysplasin-A) with collagenous domains. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 13069-13074. | 3.3 | 282 |
| 14 | Zscan4: A novel gene expressed exclusively in late 2-cell embryos and embryonic stem cells. Developmental Biology, 2007, 307, 539-550. | 0.9 | 249 |
| 15 | Mouse B-Type Lamins Are Required for Proper Organogenesis But Not by Embryonic Stem Cells. Science, 2011, 334, 1706-1710. | 6.0 | 237 |
| 16 | A web-based tool for principal component and significance analysis of microarray data. Bioinformatics, 2005, 21, 2548-2549. | 1.8 | 236 |
| 17 | Klf4 Cooperates with Oct3/4 and Sox2 To Activate the Lefty1 Core Promoter in Embryonic Stem Cells. Molecular and Cellular Biology, 2006, 26, 7772-7782. | 1.1 | 227 |
| 18 | Global gene expression analysis identifies molecular pathways distinguishing blastocyst dormancy and activation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10326-10331. | 3.3 | 220 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Functional Heterogeneity of Embryonic Stem Cells Revealed through Translational Amplification of an Early Endodermal Transcript. PLoS Biology, 2010, 8, e1000379. | 2.6 | 219 |
| 20 | Totipotent Embryonic Stem Cells Arise in Ground-State Culture Conditions. Cell Reports, 2013, 3, 1945-1957. | 2.9 | 207 |
| 21 | Gene Expression Profiling of Embryo-Derived Stem Cells Reveals Candidate Genes Associated With Pluripotency and Lineage Specificity. Genome Research, 2002, 12, 1921-1928. | 2.4 | 200 |
| 22 | A stochastic model for gene induction. Journal of Theoretical Biology, 1991, 153, 181-194. | 0.8 | 181 |
| 23 | Uncovering Early Response of Gene Regulatory Networks in ESCs by Systematic Induction of Transcription Factors. Cell Stem Cell, 2009, 5, 420-433. | 5.2 | 178 |
| 24 | Dissecting Oct3/4-Regulated Gene Networks in Embryonic Stem Cells by Expression Profiling. PLoS ONE, 2006, 1, e26. | 1.1 | 161 |
| 25 | Transcriptome Analysis of Mouse Stem Cells and Early Embryos. PLoS Biology, 2003, 1, e74. | 2.6 | 156 |
| 26 | BAF250B-Associated SWI/SNF Chromatin-Remodeling Complex Is Required to Maintain Undifferentiated Mouse Embryonic Stem Cells. Stem Cells, 2008, 26, 1155-1165. | 1.4 | 148 |
| 27 | Identification of Pou5f1, Sox2, and Nanog downstream target genes with statistical confidence by applying a novel algorithm to time course microarray and genome-wide chromatin immunoprecipitation data. BMC Genomics, 2008, 9, 269. | 1.2 | 144 |
| 28 | An â€˜equalized cDNA libraryâ€™ by the reassociation of short double-stranded cDNAs. Nucleic Acids Research, 1990, 18, 5705-5711. | 6.5 | 140 |
| 29 | Global gene expression profiling of preimplantation embryos. Human Cell, 2006, 19, 98-117. | 1.2 | 133 |
| 30 | Comparative transcriptome analysis of embryonic and adult stem cells with extended and limited differentiation capacity. Genome Biology, 2007, 8, R163. | 13.9 | 125 |
| 31 | Essential Role of Chromatin Remodeling Protein Bptf in Early Mouse Embryos and Embryonic Stem Cells. PLoS Genetics, 2008, 4, e1000241. | 1.5 | 125 |
| 32 | Top3Î² is an RNA topoisomerase that works with fragile X syndrome protein to promote synapse formation. Nature Neuroscience, 2013, 16, 1238-1247. | 7.1 | 124 |
| 33 | Identification of target genes and a unique cis element regulated by IRF-8 in developing macrophages. Blood, 2005, 106, 1938-1947. | 0.6 | 123 |
| 34 | Gene expression changes at metamorphosis induced by thyroid hormone in Xenopus laevis tadpoles. Developmental Biology, 2006, 291, 342-355. | 0.9 | 120 |
| 35 | Plac8 and Plac9, novel placental-enriched genes identified through microarray analysis. Gene, 2003, 309, 81-89. | 1.0 | 115 |
| 36 | MEIOSIN Directs the Switch from Mitosis to Meiosis in Mammalian Germ Cells. Developmental Cell, 2020, 52, 429-445.e10. | 3.1 | 114 |

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| 37 | Exhaustive Search for Over-represented DNA Sequence Motifs with CisFinder. DNA Research, 2009, 16, 261-273. | 1.5 | 113 |
| 38 | A genetically engineered ovarian cancer mouse model based on fallopian tube transformation mimics human highâ€grade serous carcinoma development. Journal of Pathology, 2014, 233, 228-237. | 2.1 | 112 |
| 39 | Rex1/Zfp42 is dispensable for pluripotency in mouse ES cells. BMC Developmental Biology, 2008, 8, 45. | 2.1 | 110 |
| 40 | Transcript copy number estimation using a mouse whole-genome oligonucleotide microarray. Genome Biology, 2005, 6, R61. | 13.9 | 109 |
| 41 | Problems and paradigms: Induction mechanism of a single gene molecule: Stochastic or deterministic?. BioEssays, 1992, 14, 341-346. | 1.2 | 103 |
| 42 | The Gene for Multiple Familial Trichoepithelioma Maps to Chromosome 9p21. Journal of Investigative Dermatology, 1996, 107, 41-43. | 0.3 | 101 |
| 43 | Verification and initial annotation of the NIA mouse 15K cDNA clone set. Nature Genetics, 2001, 28, 17-18. | 9.4 | 100 |
| 44 | Global gene expression profiling reveals similarities and differences among mouse pluripotent stem cells of different origins and strains. Developmental Biology, 2007, 307, 446-459. | 0.9 | 98 |
| 45 | Enhanced sensitivity to IGF-II signaling links loss of imprinting of IGF2 to increased cell proliferation and tumor risk. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20926-20931. | 3.3 | 97 |
| 46 | In Situ-Synthesized Novel Microarray Optimized for Mouse Stem Cell and Early Developmental Expression Profiling. Genome Research, 2003, 13, 1011-1021. | 2.4 | 96 |
| 47 | PLAC1, an Xq26 Gene with Placenta-Specific Expression. Genomics, 2000, 68, 305-312. | 1.3 | 95 |
| 48 | Zscan4 restores the developmental potency of embryonic stem cells. Nature Communications, 2013, 4, 1966. | 5.8 | 94 |
| 49 | A radiation hybrid map of mouse genes. Nature Genetics, 2001, 29, 201-205. | 9.4 | 93 |
| 50 | Rapid differentiation of human pluripotent stem cells into functional neurons by mRNAs encoding transcription factors. Scientific Reports, 2017, 7, 42367. | 1.6 | 83 |
| 51 | Genome-wide mapping of unselected transcripts from extraembryonic tissue of 7.5-day mouse embryos reveals enrichment in the t-complex and under-representation on the X chromosome. Human Molecular Genetics, 1998, 7, 1967-1978. | 1.4 | 81 |
| 52 | Zscan4 transiently reactivates early embryonic genes during the generation of induced pluripotent stem cells. Scientific Reports, 2012, 2, 208. | 1.6 | 78 |
| 53 | Aging of Oocyte, Ovary, and Human Reproduction. Annals of the New York Academy of Sciences, 2004, 1034, 117-131. | 1.8 | 77 |
| 54 | Identification of Transcription Factors for Lineage-Specific ESC Differentiation. Stem Cell Reports, 2013, 1, 545-559. | 2.3 | 76 |

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| 55 | Transient bursts of Zscan4 expression are accompanied by the rapid derepression of heterochromatin in mouse embryonic stem cells. DNA Research, 2015, 22, 307-318. | 1.5 | 75 |
| 56 | An in situ hybridization-based screen for heterogeneously expressed genes in mouse ES cells. Gene Expression Patterns, 2008, 8, 181-198. | 0.3 | 74 |
| 57 | Expression Profiling of Placentomegaly Associated with Nuclear Transplantation of Mouse ES Cells. Developmental Biology, 2003, 253, 36-53. | 0.9 | 73 |
| 58 | Embryogenomics: developmental biology meets genomics. Trends in Biotechnology, 2001, 19, 511-518. | 4.9 | 70 |
| 59 | High-throughput screen for genes predominantly expressed in the ICM of mouse blastocysts by whole mount in situ hybridization. Gene Expression Patterns, 2006, 6, 213-224. | 0.3 | 70 |
| 60 | Dax1 Binds to Oct3/4 and Inhibits Its Transcriptional Activity in Embryonic Stem Cells. Molecular and Cellular Biology, 2009, 29, 4574-4583. | 1.1 | 68 |
| 61 | Forkhead transcription factor FoxA1 regulates sweat secretion through Bestrophin 2 anion channel and Na-K-Cl cotransporter 1. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1199-1203. | 3.3 | 68 |
| 62 | The absence of a Ca2+ signal during mouse egg activation can affect parthenogenetic preimplantation development, gene expression patterns, and blastocyst quality. Reproduction, 2006, 132, 45-57. | 1.1 | 62 |
| 63 | Transcriptional Activation by Oct4 Is Sufficient for the Maintenance and Induction of Pluripotency. Cell Reports, 2012, 1, 99-109. | 2.9 | 61 |
| 64 | Unbiased amplification of a highly complex mixture of DNA fragments by â€˜lone linkerâ€™-tagged PCR. Nucleic Acids Research, 1990, 18, 4293-4293. | 6.5 | 60 |
| 65 | Expression of Adrenomedullin, a Hypotensive Peptide, in the Trophoblast Giant Cells at the Embryo Implantation Site in Mouse. Developmental Biology, 1998, 203, 264-275. | 0.9 | 59 |
| 66 | Effects of aging and calorie restriction on the global gene expression profiles of mouse testis and ovary. BMC Biology, 2008, 6, 24. | 1.7 | 59 |
| 67 | Defining a Developmental Path to Neural Fate by Global Expression Profiling of Mouse Embryonic Stem Cells and Adult Neural Stem/Progenitor Cells. Stem Cells, 2006, 24, 889-895. | 1.4 | 58 |
| 68 | Prenatal Arsenic Exposure Alters Gene Expression in the Adult Liver to a Proinflammatory State Contributing to Accelerated Atherosclerosis. PLoS ONE, 2012, 7, e38713. | 1.1 | 58 |
| 69 | ExAtlas: An interactive online tool for meta-analysis of gene expression data. Journal of Bioinformatics and Computational Biology, 2015, 13, 1550019. | 0.3 | 58 |
| 70 | Developmental Arrest and Mouse Antral Not-Surrounded Nucleolus Oocytes1. Biology of Reproduction, 2013, 88, 2. | 1.2 | 56 |
| 71 | Systematic repression of transcription factors reveals limited patterns of gene expression changes in ES cells. Scientific Reports, 2013, 3, 1390. | 1.6 | 54 |
| 72 | Mouse ovary developmental RNA and protein markers from gene expression profiling. Developmental Biology, 2005, 279, 271-290. | 0.9 | 53 |

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| 73 | The Multifunctional RNA-Binding Protein La Is Required for Mouse Development and for the Establishment of EmbryonicStem Cells. Molecular and Cellular Biology, 2006, 26, 1445-1451. | 1.1 | 53 |
| 74 | Efficient Generation of Integration-Free Human Induced Pluripotent Stem Cells From Keratinocytes by Simple Transfection of Episomal Vectors. Stem Cells Translational Medicine, 2014, 3, 787-791. | 1.6 | 52 |
| 75 | Dkk4 and Eda Regulate Distinctive Developmental Mechanisms for Subtypes of Mouse Hair. PLoS ONE, 2010, 5, e10009. | 1.1 | 52 |
| 76 | Assembly, Verification, and Initial Annotation of the NIA Mouse 7.4K cDNA Clone Set. Genome Research, 2002, 12, 1999-2003. | 2.4 | 49 |
| 77 | Genome-wide assembly and analysis of alternative transcripts in mouse. Genome Research, 2005, 15, 748-754. | 2.4 | 49 |
| 78 | Fatty Acid Synthesis Is Indispensable for Survival of Human Pluripotent Stem Cells. IScience, 2020, 23, 101535. | 1.9 | 47 |
| 79 | Title is missing!. Nature Genetics, 2001, 28, 17-18. | 9.4 | 45 |
| 80 | Generation of mouse ES cell lines engineered for the forced induction of transcription factors. Scientific Reports, 2011, 1, 167. | 1.6 | 45 |
| 81 | Microarray analysis of somitogenesis reveals novel targets of different WNT signaling pathways in the somitic mesoderm. Developmental Biology, 2003, 258, 91-104. | 0.9 | 41 |
| 82 | A Conserved Oct4/POUV-Dependent Network Links Adhesion and Migration to Progenitor Maintenance. Current Biology, 2013, 23, 2233-2244. | 1.8 | 41 |
| 83 | Transient ectopic expression of the histone demethylase JMJD3 accelerates the differentiation of human pluripotent stem cells. Development (Cambridge), 2016, 143, 3674-3685. | 1.2 | 41 |
| 84 | Repression of Global Protein Synthesis by Eif1a-Like Genes That Are Expressed Specifically in the Two-Cell Embryos and the Transient Zscan4-Positive State of Embryonic Stem Cells. DNA Research, 2013, 20, 391-402. | 1.5 | 40 |
| 85 | Induction of human pluripotent stem cells into kidney tissues by synthetic mRNAs encoding transcription factors. Scientific Reports, 2019, 9, 913. | 1.6 | 40 |
| 86 | Requirement for Shh and Fox family genes at different stages in sweat gland development. Human Molecular Genetics, 2009, 18, 1769-1778. | 1.4 | 39 |
| 87 | Random Monoallelic Expression of Three Genes Clustered within 60 kb of Mouse t Complex Genomic DNA. Genome Research, 2001, 11, 1833-1841. | 2.4 | 38 |
| 88 | Identification of Zfp-57 as a downstream molecule of STAT3 and Oct-3/4 in embryonic stem cells. Biochemical and Biophysical Research Communications, 2005, 331, 23-30. | 1.0 | 38 |
| 89 | Defining Developmental Potency and Cell Lineage Trajectories by Expression Profiling of Differentiating Mouse Embryonic Stem Cells. DNA Research, 2009, 16, 73-80. | 1.5 | 38 |
| 90 | Silencing or Amplification of Endocannabinoid Signaling in Blastocysts via CB1 Compromises Trophoblast Cell Migration. Journal of Biological Chemistry, 2012, 287, 32288-32297. | 1.6 | 38 |

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| 91 | Identification of transcription factors that promote the differentiation of human pluripotent stem cells into lacrimal gland epithelium-like cells. Npj Aging and Mechanisms of Disease, 2017, 3, 1. | 4.5 | 38 |
| 92 | An auto-inducible vector conferring high glucocorticoid inducibility upon stable transformant cells. Gene, 1989, 84, 383-389. | 1.0 | 37 |
| 93 | Human ES Cell Profiling Broadens the Reach of Bivalent Domains. Cell Stem Cell, 2007, 1, 237-238. | 5.2 | 37 |
| 94 | Comparative analysis of oocyte transcript profiles reveals a high degree of conservation among species. Reproduction, 2008, 135, 439-448. | 1.1 | 36 |
| 95 | A Murine Dopamine Neuron-Specific cDNA Library and Microarray: Increased COXI Expression during Methamphetamine Neurotoxicity. Neurobiology of Disease, 2001, 8, 822-833. | 2.1 | 35 |
| 96 | The Short 3â€²-End Region of Complementary DNAs as PCR-Based Polymorphic Markers for an Expression Map of the Mouse Genome. Genomics, 1993, 16, 161-168. | 1.3 | 34 |
| 97 | EDA targets revealed by skin gene expression profiles of wild-type, Tabby and Tabby EDA-A1 transgenic mice. Human Molecular Genetics, 2002, 11, 1763-1773. | 1.4 | 33 |
| 98 | A global view of gene expression in the preimplantation mouse embryo: morula versus blastocyst. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2004, 115, S85-S91. | 0.5 | 33 |
| 99 | Esg1, expressed exclusively in preimplantation embryos, germline, and embryonic stem cells, is a putative RNA-binding protein with broad RNA targets. Development Growth and Differentiation, 2006, 48, 381-390. | 0.6 | 33 |
| 100 | Toward a Whole cDNA Catalog: Construction of an Equalized cDNA Library from Mouse Embryos. Genomics, 1994, 23, 202-210. | 1.3 | 31 |
| 101 | Prediction of evolutionarily conserved interologs in Mus musculus. BMC Genomics, 2008, 9, 465. | 1.2 | 30 |
| 102 | Neural differentiation of human embryonic stem cells induced by the transgene-mediated overexpression of single transcription factors. Biochemical and Biophysical Research Communications, 2017, 490, 296-301. | 1.0 | 30 |
| 103 | Genetic mapping of 40 cDNA clones on the mouse genome by PCR. Mammalian Genome, 1994, 5, 349-355. | 1.0 | 28 |
| 104 | CisView: A Browser and Database of cis-regulatory Modules Predicted in the Mouse Genome. DNA Research, 2006, 13, 123-134. | 1.5 | 28 |
| 105 | Generation and Profiling of 2,135 Human ESC Lines for the Systematic Analyses of Cell States Perturbed by Inducing Single Transcription Factors. Cell Reports, 2020, 31, 107655. | 2.9 | 28 |
| 106 | Efficient differentiation of human pluripotent stem cells into skeletal muscle cells by combining RNA-based MYOD1-expression and POU5F1-silencing. Scientific Reports, 2018, 8, 1189. | 1.6 | 27 |
| 107 | Differential Expression Pattern of XqPAR-Linked Genes SYBL1 and IL9R Correlates with the Structure and Evolution of the Region. Human Molecular Genetics, 1997, 6, 1917-1923. | 1.4 | 26 |
| 108 | Construction of Long-Transcript Enriched cDNA Libraries from Submicrogram Amounts of Total RNAs by a Universal PCR Amplification Method. Genome Research, 2001, 11, 1553-1558. | 2.4 | 25 |

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| 109 | Correction of Down syndrome and Edwards syndrome aneuploidies in human cell cultures. DNA Research, 2015, 22, 331-342. | 1.5 | 24 |
| 110 | A Role for Borg5 During Trophectoderm Differentiation. Stem Cells, 2010, 28, 1030-1038. | 1.4 | 23 |
| 111 | Molecular Mechanisms of Pancreatic Stone Formation in Chronic Pancreatitis. Frontiers in Physiology, 2012, 3, 415. | 1.3 | 23 |
| 112 | Phemx, a Novel Mouse Gene Expressed in Hematopoietic Cells Maps to the Imprinted Cluster on Distal Chromosome 7. Genomics, 2000, 68, 13-21. | 1.3 | 22 |
| 113 | Use of Chuk as an internal standard suitable for quantitative RT-PCR in mouse preimplantation embryos. Reproductive BioMedicine Online, 2006, 13, 394-403. | 1.1 | 22 |
| 114 | SOX9 accelerates ESC differentiation to three germ layer lineages by repressing SOX2 expression through P21 (WAF1/CIP1). Development (Cambridge), 2014, 141, 4254-4266. | 1.2 | 22 |
| 115 | Embryogenomics of pre-implantation mammalian development: current status. Reproduction, Fertility and Development, 2004, 16, 79. | 0.1 | 21 |
| 116 | Emergence of undifferentiated colonies from mouse embryonic stem cells undergoing differentiation by retinoic acid treatment. In Vitro Cellular and Developmental Biology - Animal, 2016, 52, 616-624. | 0.7 | 21 |
| 117 | Cloning and expression analyses of mouse dystroglycan gene: specific expression in maternal decidua at the peri-implantation stage. Human Molecular Genetics, 1996, 5, 1259-1267. | 1.4 | 19 |
| 118 | Generation and gene expression profiling of 48 transcription-factor-inducible mouse embryonic stem cell lines. Scientific Reports, 2016, 6, 25667. | 1.6 | 19 |
| 119 | Two Novel Mouse Genesâ€"Nubp2, Mapped to the t-Complex on Chromosome 17, and Nubp1, Mapped to Chromosome 16â€" Establish a New Gene Family of Nucleotide-Binding Proteins in Eukaryotes. Genomics, 1999, 60, 152-160. | 1.3 | 18 |
| 120 | Genomic Approaches to Early Embryogenesis and Stem Cell Biology. Seminars in Reproductive Medicine, 2006, 24, 330-339. | 0.5 | 16 |
| 121 | Maintenance of undifferentiated mouse embryonic stem cells in suspension by the serumâ€•and feederâ€free defined culture condition. Developmental Dynamics, 2008, 237, 2129-2138. | 0.8 | 16 |
| 122 | Induction of specific neuron types by overexpression of single transcription factors. In Vitro Cellular and Developmental Biology - Animal, 2016, 52, 961-973. | 0.7 | 15 |
| 123 | A Highly Inducible System of Gene Expression by Positive Feedback Production of Glucocorticoid Receptors. DNA and Cell Biology, 1989, 8, 127-133. | 5.1 | 14 |
| 124 | Zscan4 is expressed specifically during late meiotic prophase in both spermatogenesis and oogenesis. In Vitro Cellular and Developmental Biology - Animal, 2017, 53, 167-178. | 0.7 | 14 |
| 125 | Tissue-Specific Expression and Mapping of theCox7ahGene in Mouse. Genomics, 1998, 49, 363-370. | 1.3 | 13 |
| 126 | The NIA cDNA Project in mouse stem cells and early embryos. Comptes Rendus - Biologies, 2003, 326, 931-940. | 0.1 | 12 |

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| 127 | Expression profiling of the mouse early embryo: Reflections and perspectives. Developmental Dynamics, 2006, 235, 2437-2448. | 0.8 | 12 |
| 128 | Changes in global gene expression during in vitro decidualization of rat endometrial stromal cells. Journal of Cellular Physiology, 2010, 222, 127-137. | 2.0 | 12 |
| 129 | Responsiveness of genes to manipulation of transcription factors in ES cells is associated with histone modifications and tissue specificity. BMC Genomics, 2011, 12, 102. | 1.2 | 12 |
| 130 | Activation of JNK Triggers Release of Brd4 from Mitotic Chromosomes and Mediates Protection from Drug-Induced Mitotic Stress. PLoS ONE, 2012, 7, e34719. | 1.1 | 12 |
| 131 | Establishment of a rapid and footprint-free protocol for differentiation of human embryonic stem cells into pancreatic endocrine cells with synthetic mRNAs encoding transcription factors. Stem Cell Research and Therapy, 2018, 9, 277. | 2.4 | 12 |
| 132 | Inflammation increases cells expressing ZSCAN4 and progenitor cell markers in the adult pancreas. American Journal of Physiology - Renal Physiology, 2013, 304, G1103-G1116. | 1.6 | 10 |
| 133 | Gene array analysis of neural crest cells identifies transcription factors necessary for direct conversion of embryonic fibroblasts into neural crest cells. Biology Open, 2016, 5, 311-322. | 0.6 | 10 |
| 134 | Expression analysis of the endogenous Zscan4 locus and its coding proteins in mouse ES cells and preimplantation embryos. In Vitro Cellular and Developmental Biology - Animal, 2017, 53, 179-190. | 0.7 | 10 |
| 135 | Induced Pluripotent Stem Cells Reprogrammed with Three Inhibitors Show Accelerated Differentiation Potentials with High Levels of 2-Cell Stage Marker Expression. Stem Cell Reports, 2019, 12, 305-318. | 2.3 | 10 |
| 136 | Developmental Genomics and Its Relation to Aging. Genomics, 1998, 52, 113-118. | 1.3 | 9 |
| 137 | Trim43a, Trim43b, and Trim43c: Novel mouse genes expressed specifically in mouse preimplantation embryos. Gene Expression Patterns, 2009, 9, 595-602. | 0.3 | 9 |
| 138 | Synthetic mRNAâ€based differentiation method enables early detection of Parkinson's phenotypes in neurons derived from Gaucher diseaseâ€induced pluripotent stem cells. Stem Cells Translational Medicine, 2021, 10, 572-581. | 1.6 | 8 |
| 139 | The beta subunit of the high-affinity IgE receptor, a candidate for atopic dermatitis, is not imprinted. British Journal of Dermatology, 2000, 142, 370-371. | 1.4 | 7 |
| 140 | Purification of cardiomyocytes and neurons derived from human pluripotent stem cells by inhibition of de novo fatty acid synthesis. STAR Protocols, 2022, 3, 101360. | 0.5 | 7 |
| 141 | Efficacy of 2-methoxyethoxy-modified antisense oligonucleotides for the study of mouse preimplantation development. Reproductive BioMedicine Online, 2003, 6, 318-322. | 1.1 | 6 |
| 142 | Stochastic Modeling for the Expression of a Gene Regulated by Competing Transcription Factors. PLoS ONE, 2012, 7, e32376. | 1.1 | 6 |
| 143 | Eleven Densely Clustered Genes, Six of them Novel, in 176 kb of Mouse t-complex DNA. Genome Research, 2000, 10, 916-923. | 2.4 | 5 |
| 144 | Gene content of the 750-kb critical region for mouse embryonic ectoderm lethal tcl-w5. Mammalian Genome, 2004, 15, 265-276. | 1.0 | 5 |

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| 145 | Molecular biology of preimplantation embryos: primer for philosophical discussions. Reproductive BioMedicine Online, 2005, 10, 80-87. | 1.1 | 5 |
| 146 | Gene Expression Profiling of Mouse Embryos with Microarrays. Methods in Enzymology, 2010, 477, 511-541. | 0.4 | 5 |
| 147 | Epigenetic Manipulation Facilitates the Generation of Skeletal Muscle Cells from Pluripotent Stem Cells. Stem Cells International, 2017, 2017, 1-8. | 1.2 | 5 |
| 148 | Identification, molecular characterization, and tissue expression of OVCOV1. Mammalian Genome, 2002, 13, 619-624. | 1.0 | 4 |
| 149 | Chromatin Properties of Regulatory DNA Probed by Manipulation of Transcription Factors. Journal of Computational Biology, 2014, 21, 569-577. | 0.8 | 4 |
| 150 | Interferon-Î³ Receptor Polymorphisms Determine Strain Differences in Accessibility of Activated Lymphocyte NK-Triggering Antigens to Recognition by Self-Reactive NK Cells. Cellular Immunology, 2000, 200, 88-97. | 1.4 | 3 |
| 151 | Optimized conditions for cycle sequencing of PCR products.. Genome Research, 1994, 3, 359-360. | 2.4 | 3 |
| 152 | Embryogenomics of pre-implantation mammalian development: current status. Reproduction, Fertility and Development, 2004, 16, 79-85. | 0.1 | 3 |
| 153 | Salt suppresses IFNÎ³ inducible chemokines through the IFNÎ³-JAK1-STAT1 signaling pathway in proximal tubular cells. Scientific Reports, 2017, 7, 46580. | 1.6 | 2 |
| 154 | Simple and robust screening of pooled yeast artificial chromosome libraries by the restriction enzyme digestion of polymerase chain reaction products. Genetic Analysis, Techniques and Applications, 1994, 11, 63-68. | 1.5 | 1 |
| 155 | Assignment<footref rid="foot01"><sup>1</sup></footref> of OVCOV1 (alias CGI-15) to human chromosome 20 band q13.1â†'q13.2 by fluorescent in situ hybridization. Cytogenetic and Genome Research, 2001, 94, 252-253. | 0.6 | 1 |
| 156 | Zscan4: A NOVEL GENE EXPRESSED EXCLUSIVELY IN LATE 2-CELL EMBRYOS. Biology of Reproduction, 2007, 77, 79-79. | 1.2 | 1 |
| 157 | Probe design for large-scale molecular biology applications. , 0, , . | | 0 |
| 158 | Discussion (day 2 session 2): Modern genetics and the human embryo in vitro. Reproductive BioMedicine Online, 2005, 10, 107-110. | 1.1 | 0 |
| 159 | 22-P009 Analysis of gene expression in mouse antral SN and NSN oocytes. Mechanisms of Development, 2009, 126, S331. | 1.7 | 0 |
| 160 | Role of iPSC-Producing Factors in Pre-Implantation Embryos. , 2014, , 473-484. | | 0 |