Most mammalian mRNAs are conserved targets of micr

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Citation Report

#	Article	IF	Citations
2	miR-200 Enhances Mouse Breast Cancer Cell Colonization to Form Distant Metastases. PLoS ONE, 2009, 4, e7181.	1.1	282
3	MicroRNAs are essential for development and function of inner ear hair cells in vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7915-7920.	3.3	169
4	Genome-Wide Identification of Long Noncoding RNAs in CD8+ T Cells. Journal of Immunology, 2009, 182, 7738-7748.	0.4	221
5	The miR200 Family of MicroRNAs Regulates WAVE3-dependent Cancer Cell Invasion. Journal of Biological Chemistry, 2009, 284, 33019-33029.	1.6	108
6	TargetMiner: microRNA target prediction with systematic identification of tissue-specific negative examples. Bioinformatics, 2009, 25, 2625-2631.	1.8	207
7	MicroRNAs and Beyond. Hypertension, 2009, 54, 1189-1194.	1.3	37
8	Chapter 6 Posttranscriptional Gene Regulation in Kaposi's Sarcomaâ€Associated Herpesvirus. Advances in Applied Microbiology, 2009, 68, 241-261.	1.3	19
9	Discovery of Candidate Disease Genes in ENU–Induced Mouse Mutants by Large-Scale Sequencing, Including a Splice-Site Mutation in Nucleoredoxin. PLoS Genetics, 2009, 5, e1000759.	1.5	39
10	Will non-coding RNAs help to decipher renal allograft failure?. Nephrology Dialysis Transplantation, 2009, 24, 2325-2327.	0.4	1
11	Darwinian and demographic forces affecting human protein coding genes. Genome Research, 2009, 19, 838-849.	2.4	139
12	Gene Networks and microRNAs Implicated in Aggressive Prostate Cancer. Cancer Research, 2009, 69, 9490-9497.	0.4	133
13	MicroRNAs and Their Role in Progressive Kidney Diseases. Clinical Journal of the American Society of Nephrology: CJASN, 2009, 4, 1255-1266.	2.2	143
14	NF-kappaB p65-Dependent Transactivation of miRNA Genes following Cryptosporidium parvum Infection Stimulates Epithelial Cell Immune Responses. PLoS Pathogens, 2009, 5, e1000681.	2.1	191
15	MicroRNA: a new frontier in kidney and blood pressure research. American Journal of Physiology - Renal Physiology, 2009, 297, F553-F558.	1.3	89
16	Concordant Regulation of Translation and mRNA Abundance for Hundreds of Targets of a Human microRNA. PLoS Biology, 2009, 7, e1000238.	2.6	354
17	MirZ: an integrated microRNA expression atlas and target prediction resource. Nucleic Acids Research, 2009, 37, W266-W272.	6.5	83
18	MicroRNA-Biogenesis and Pre-mRNA Splicing Crosstalk. Journal of Biomedicine and Biotechnology, 2009, 1-6.	3.0	76
19	An Evolutionary Perspective of Animal MicroRNAs and Their Targets. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-9.	3.0	45

#	Article	IF	Citations
20	Common microâ€RNA signature in skeletal muscle damage and regeneration induced by Duchenne muscular dystrophy and acute ischemia. FASEB Journal, 2009, 23, 3335-3346.	0.2	235
21	Association of Inflammation-Related and microRNA Gene Expression with Cancer-Specific Mortality of Colon Adenocarcinoma. Clinical Cancer Research, 2009, 15, 5878-5887.	3.2	171
22	Essential Amino Acids Increase MicroRNA-499, â^208b, and â^23a and Downregulate Myostatin and Myocyte Enhancer Factor 2C mRNA Expression in Human Skeletal Muscle. Journal of Nutrition, 2009, 139, 2279-2284.	1.3	105
23	Human capacitance to dosage imbalance: Coping with inefficient selection. Genome Research, 2009, 19, 2185-2192.	2.4	9
24	The relationship between the evolution of microRNA targets and the length of their UTRs. BMC Genomics, 2009, 10, 431.	1.2	75
25	Characterisation of microRNA expression in post-natal mouse mammary gland development. BMC Genomics, 2009, 10, 548.	1.2	117
26	MicroRNA Expression Profiling by Bead Array Technology in Human Tumor Cell Lines Treated with Interferon-Alpha-2a. Biological Procedures Online, 2009, 11, 113-129.	1.4	20
27	MicroRNAs and epigenetic regulation in the mammalian inner ear: implications for deafness. Mammalian Genome, 2009, 20, 581-603.	1.0	52
28	A Genetic Strategy for Single and Combinatorial Analysis of miRNA Function in Mammalian Hematopoietic Stem Cells. Stem Cells, 2010, 28, 287-296.	1.4	77
29	Regulation of MicroRNA Biogenesis: A miRiad of mechanisms. Cell Communication and Signaling, 2009, 7, 18.	2.7	274
30	Zcchc11-dependent uridylation of microRNA directs cytokine expression. Nature Cell Biology, 2009, 11, 1157-1163.	4.6	272
31	Protein lysate microarray analysis to identify microRNAs regulating estrogen receptor signaling in breast cancer cell lines. Oncogene, 2009, 28, 3926-3936.	2.6	205
32	MicroRNAâ€23b mediates urokinase and câ€met downmodulation and a decreased migration of human hepatocellular carcinoma cells. FEBS Journal, 2009, 276, 2966-2982.	2.2	149
33	Role and therapeutic potential of microRNAs in diabetes. Diabetes, Obesity and Metabolism, 2009, 11, 118-129.	2.2	67
34	MicroRNAs in normal and malignant myelopoiesis. Leukemia Research, 2009, 33, 1584-1593.	0.4	30
35	Plasma miR-208 as a Biomarker of Myocardial Injury. Clinical Chemistry, 2009, 55, 1944-1949.	1.5	448
36	The Mammalian Ovary from Genesis to Revelation. Endocrine Reviews, 2009, 30, 624-712.	8.9	630
37	Resources for Small Regulatory RNAs. Current Protocols in Molecular Biology, 2009, 87, Unit19.8.	2.9	2

#	Article	IF	Citations
38	MicroRNAs: Target Recognition and Regulatory Functions. Cell, 2009, 136, 215-233.	13.5	17,802
39	The Centrality of RNA. Cell, 2009, 136, 577-580.	13.5	397
40	The impact of noncoding RNA on the biochemical and molecular mechanisms of aging. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 970-979.	1.1	39
41	Comparative genomics of gene regulation—conservation and divergence of cis-regulatory information. Current Opinion in Genetics and Development, 2009, 19, 565-570.	1.5	76
42	Meta-regulation: microRNA regulation of glucose and lipid metabolism. Trends in Endocrinology and Metabolism, 2009, 20, 452-459.	3.1	169
43	Long Noncoding RNAs: Implications for Antigen Receptor Diversification. Advances in Immunology, 2009, 104, 25-50.	1.1	3
44	MicroRNAs in clinical oncology: at the crossroads between promises and problems. Journal of Clinical Pathology, 2009, 62, 771-776.	1.0	69
45	Role of microRNAs in the regulation of drug metabolism and disposition. Expert Opinion on Drug Metabolism and Toxicology, 2009, 5, 1513-1528.	1.5	58
46	microRNAs in Inflammation. International Reviews of Immunology, 2009, 28, 535-561.	1.5	209
47	Targeting microRNAs in obesity. Expert Opinion on Therapeutic Targets, 2009, 13, 1227-1238.	1.5	93
48	BioGPS: an extensible and customizable portal for querying and organizing gene annotation resources. Genome Biology, 2009, 10, R130.	3.8	1,216
49	COMIT: identification of noncoding motifs under selection in coding sequences. Genome Biology, 2009, 10, R133.	13.9	7
50	mRNA expression profiles show differential regulatory effects of microRNAs between estrogen receptor-positive and estrogen receptor-negative breast cancer. Genome Biology, 2009, 10, R90.	13.9	90
51	Allelic imbalance sequencing reveals that single-nucleotide polymorphisms frequently alter microRNA-directed repression. Nature Biotechnology, 2009, 27, 472-477.	9.4	60
52	Lost in translation: an assessment and perspective for computational microRNA target identification. Bioinformatics, 2009, 25, 3049-3055.	1.8	299
53	Expression profiling of microRNAs by deep sequencing. Briefings in Bioinformatics, 2009, 10, 490-497.	3.2	276
54	miR-34a contributes to megakaryocytic differentiation of K562 cells independently of p53. Blood, 2009, 114, 2181-2192.	0.6	142
55	Src homology 2 domain–containing inositol-5-phosphatase and CCAAT enhancer-binding protein β are targeted by miR-155 in B cells of Eι⁄₄-MiR-155 transgenic mice. Blood, 2009, 114, 1374-1382.	0.6	278

#	Article	IF	Citations
56	Karyotype-specific microRNA signature in chronic lymphocytic leukemia. Blood, 2009, 114, 3872-3879.	0.6	179
57	Epigenetic Control of MicroRNA Expression and Aging. Current Genomics, 2009, 10, 184-193.	0.7	92
58	MicroRNAs in C. elegans Aging: Molecular Insurance for Robustness?. Current Genomics, 2009, 10, 144-153.	0.7	42
59	Estrogen Regulation of MicroRNA Expression. Current Genomics, 2009, 10, 169-183.	0.7	131
60	MicroRNA: Implications for Alzheimer Disease and other Human CNS Disorders. Current Genomics, 2009, 10, 154-168.	0.7	194
61	Olfactory Discrimination Training Up-Regulates and Reorganizes Expression of MicroRNAs in Adult Mouse Hippocampus. ASN Neuro, 2010, 2, AN20090055.	1.5	34
62	MicroRNA-7 targets IGF1R (insulin-like growth factor 1 receptor) in tongue squamous cell carcinoma cells. Biochemical Journal, 2010, 432, 199-207.	1.7	202
64	Role of MicroRNAs in Cardiovascular Disease: Therapeutic Challenges and Potentials. Journal of Cardiovascular Pharmacology, 2010, 56, 444-453.	0.8	55
65	Small Players With Big Roles: MicroRNAs as Targets to Inhibit Breast Cancer Progression. Current Drug Targets, 2010, 11, 1059-1073.	1.0	32
66	Steroid receptor and microRNA regulation in cancer. Current Opinion in Oncology, 2010, 22, 592-597.	1.1	50
67	miR-1226 targets expression of the mucin 1 oncoprotein and induces cell death. International Journal of Oncology, 2010, 37, 61-9.	1.4	39
68	miR-155 and its star-form partner miR-155* cooperatively regulate type I interferon production by human plasmacytoid dendritic cells. Blood, 2010, 116, 5885-5894.	0.6	233
69	MicroRNAs in atherosclerosis and lipoprotein metabolism. Current Opinion in Endocrinology, Diabetes and Obesity, 2010, 17, 150-155.	1.2	68
70	Large-Scale Integration of MicroRNA and Gene Expression Data for Identification of Enriched MicroRNA–mRNA Associations in Biological Systems. Methods in Molecular Biology, 2010, 667, 297-315.	0.4	31
71	Sizing up the future of microRNA analysis. Analytical and Bioanalytical Chemistry, 2010, 398, 2535-2549.	1.9	71
72	Many ways to generate microRNA-like small RNAs: non-canonical pathways for microRNA production. Molecular Genetics and Genomics, 2010, 284, 95-103.	1.0	201
73	MicroRNAs in Cardiovascular Diseases: Biology and Potential Clinical Applications. Journal of Cardiovascular Translational Research, 2010, 3, 256-270.	1.1	36
74	miRNAs as Therapeutic Targets in Ischemic Heart Disease. Journal of Cardiovascular Translational Research, 2010, 3, 280-289.	1.1	49

#	Article	IF	Citations
75	Disease Genes and Gene Regulation by microRNAs. Journal of Cardiovascular Translational Research, 2010, 3, 169-172.	1.1	5
76	microRNAs: tiny RNA molecules, huge driving forces to move the cell. Protein and Cell, 2010, 1, 916-926.	4.8	27
77	A study of miRNAs targets prediction and experimental validation. Protein and Cell, 2010, 1, 979-986.	4.8	51
78	Small RNA Regulators of T Cell-Mediated Autoimmunity. Journal of Clinical Immunology, 2010, 30, 347-357.	2.0	25
79	Cloning and characterization of microRNAs from porcine skeletal muscle and adipose tissue. Molecular Biology Reports, 2010, 37, 3567-3574.	1.0	34
80	microRNA: Emerging therapeutic targets in acute ischemic diseases. , 2010, 125, 92-104.		166
81	CircuitsDB: a database of mixed microRNA/transcription factor feed-forward regulatory circuits in human and mouse. BMC Bioinformatics, 2010, 11, 435.	1.2	129
82	Gene processing control loops suggested by sequencing, splicing, and RNA folding. BMC Bioinformatics, 2010, 11, 602.	1.2	4
83	Parameters for accurate genome alignment. BMC Bioinformatics, 2010, 11, 80.	1.2	180
84	Computational prediction and experimental validation of evolutionarily conserved microRNA target genes in bilaterian animals. BMC Genomics, 2010, 11, 101.	1.2	32
85	Identification of microRNAs expressed in two mosquito vectors, Aedes albopictus and Culex quinquefasciatus. BMC Genomics, 2010, 11, 119.	1.2	158
86	Comprehensive survey of human brain microRNA by deep sequencing. BMC Genomics, 2010, 11, 409.	1.2	142
87	Comparative analyses of vertebrate posterior HoxD clusters reveal atypical cluster architecture in the caecilian Typhlonectes natans. BMC Genomics, 2010, 11, 658.	1,2	4
88	miRNeye: a microRNA expression atlas of the mouse eye. BMC Genomics, 2010, 11, 715.	1.2	140
89	MicroRNA group disorganization in aging. Experimental Gerontology, 2010, 45, 269-278.	1.2	39
90	Many Families of C. elegans MicroRNAs Are Not Essential for Development or Viability. Current Biology, 2010, 20, 367-373.	1.8	263
91	Over-expression of miR-100 is responsible for the low-expression of ATM in the human glioma cell line: M059J. DNA Repair, 2010, 9, 1170-1175.	1.3	115
92	Computational methodologies for studying non-coding RNAs relevant to central nervous system function and dysfunction. Brain Research, 2010, 1338, 131-145.	1.1	8

#	Article	IF	Citations
93	Profiles of oxidative stress-related microRNA and mRNA expression in auditory cells. Brain Research, 2010, 1346, 14-25.	1.1	79
94	Serum microRNAs as a novel class of biomarkers: a comprehensive review of the literature. Experimental Hematology, 2010, 38, 1126-1130.	0.2	129
95	MicroRNAâ€24 targeting RNAâ€binding protein DND1 in tongue squamous cell carcinoma. FEBS Letters, 2010, 584, 4115-4120.	1.3	76
96	Overexpression of dicer as a result of reduced letâ€7 MicroRNA levels contributes to increased cell proliferation of oral cancer cells. Genes Chromosomes and Cancer, 2010, 49, 549-559.	1.5	92
97	Cadherin 13 in cancer. Genes Chromosomes and Cancer, 2010, 49, 775-790.	1.5	109
98	MicroRNAâ€205–directed transcriptional activation of tumor suppressor genes in prostate cancer. Cancer, 2010, 116, 5637-5649.	2.0	243
99	MicroRNAs control hepatocyte proliferation during liver regeneration. Hepatology, 2010, 51, 1735-1743.	3.6	192
100	Analysis of human <i>CYP1A1 </i> and <i>CYP1A2 </i> genes and their shared bidirectional promoter in eight world populations. Human Mutation, 2010, 31, 27-40.	1.1	46
101	MicroSNiPer: a web tool for prediction of SNP effects on putative microRNA targets. Human Mutation, 2010, 31, 1223-1232.	1.1	129
102	Downregulation of the Rho GTPase signaling pathway is involved in the microRNAâ€138â€mediated inhibition of cell migration and invasion in tongue squamous cell carcinoma. International Journal of Cancer, 2010, 127, 505-512.	2.3	167
103	MicroRNAs as gatekeepers of apoptosis. Journal of Cellular Physiology, 2010, 223, 289-298.	2.0	135
104	Transcriptional regulatory networks associated with selfâ€renewal and differentiation of neural stem cells. Journal of Cellular Physiology, 2010, 225, 337-347.	2.0	17
105	MicroRNAs – targeting and target prediction. New Biotechnology, 2010, 27, 243-249.	2.4	102
106	Ranking of microRNA target prediction scores by Pareto front analysis. Computational Biology and Chemistry, 2010, 34, 284-292.	1.1	6
107	Micro-RNA – A potential for forensic science?. Forensic Science International, 2010, 203, 106-111.	1.3	80
108	Identification of baboon microRNAs expressed in liver and lymphocytes. Journal of Biomedical Science, 2010, 17, 54.	2.6	9
109	Teratogen-induced alterations in microRNA-34, microRNA-125b and microRNA-155 expression: correlation with embryonic p53 genotype and limb phenotype. BMC Developmental Biology, 2010, 10, 20.	2.1	19
110	The chicken miR-150 targets the avian orthologue of the functional zebrafish MYB 3'UTR target site. BMC Molecular Biology, 2010, 11, 67.	3.0	5

#	Article	IF	CITATIONS
111	A structural-based statistical approach suggests a cooperative activity of PUM1 and miR-410 in human 3'-untranslated regions. Silence: A Journal of RNA Regulation, 2010, 1, 17.	8.0	20
112	MicroRNA targeting in mammalian genomes: genes and mechanisms. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 148-161.	6.6	33
113	Systematic analysis of posttranscriptional gene expression. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 162-180.	6.6	98
114	Dysregulation of protein synthesis and disease. Journal of Pathology, 2010, 220, 140-151.	2.1	72
115	Ischemic preâ€conditioning alters cerebral microRNAs that are upstream to neuroprotective signaling pathways. Journal of Neurochemistry, 2010, 113, 1685-1691.	2.1	83
116	Targeting of mRNAs by multiple miRNAs: the next step. Oncogene, 2010, 29, 2161-2164.	2.6	265
117	The role of miRNAs and endogenous siRNAs in maternal $\hat{a} \in \mathbb{Z}$ ygotic reprogramming and the establishment of pluripotency. EMBO Reports, 2010, 11, 590-597.	2.0	86
118	Correlation between microRNA expression levels and clinical parameters associated with chronic hepatitis C viral infection in humans. Laboratory Investigation, 2010, 90, 1727-1736.	1.7	191
119	Mammalian microRNAs predominantly act to decrease target mRNA levels. Nature, 2010, 466, 835-840.	13.7	3,513
120	MicroRNAs and exercise-induced skeletal muscle adaptations. Journal of Physiology, 2010, 588, 3849-3850.	1.3	8
121	MicroRNA-mediated control in the skin. Cell Death and Differentiation, 2010, 17, 229-235.	5.0	97
122	Genome-wide RNA-mediated interference screen identifies miR-19 targets in Notch-induced T-cell acute lymphoblastic leukaemia. Nature Cell Biology, 2010, 12, 372-379.	4.6	316
123	The human cytomegalovirus microRNA miR-UL112 acts synergistically with a cellular microRNA to escape immune elimination. Nature Immunology, 2010, 11, 806-813.	7.0	144
124	Expander: from expression microarrays to networks and functions. Nature Protocols, 2010, 5, 303-322.	5 . 5	183
125	Targeting microRNAs in cancer: rationale, strategies and challenges. Nature Reviews Drug Discovery, 2010, 9, 775-789.	21.5	1,308
126	The mechanism of stem cell differentiation into smooth muscle cells. Thrombosis and Haemostasis, 2010, 104, 440-448.	1.8	30
127	The DIANA-mirExTra Web Server: From Gene Expression Data to MicroRNA Function. PLoS ONE, 2010, 5, e9171.	1.1	74
128	Module Network Inference from a Cancer Gene Expression Data Set Identifies MicroRNA Regulated Modules. PLoS ONE, 2010, 5, e10162.	1.1	46

#	Article	IF	CITATIONS
129	Tissue-Specific Target Analysis of Disease-Associated MicroRNAs in Human Signaling Pathways. PLoS ONE, 2010, 5, e11154.	1.1	16
130	Gene Expression Analysis of Forskolin Treated Basilar Papillae Identifies MicroRNA181a as a Mediator of Proliferation. PLoS ONE, 2010, 5, e11502.	1.1	18
131	MicroRNAome of Porcine Pre- and Postnatal Development. PLoS ONE, 2010, 5, e11541.	1.1	139
132	Ultra-Deep Sequencing Reveals the microRNA Expression Pattern of the Human Stomach. PLoS ONE, 2010, 5, e13205.	1.1	67
133	The MicroRNA and MessengerRNA Profile of the RNA-Induced Silencing Complex in Human Primary Astrocyte and Astrocytoma Cells. PLoS ONE, 2010, 5, e13445.	1.1	27
134	Expression of Versican 3′-Untranslated Region Modulates Endogenous MicroRNA Functions. PLoS ONE, 2010, 5, e13599.	1.1	129
135	Down-Regulation of mir-424 Contributes to the Abnormal Angiogenesis via MEK1 and Cyclin E1 in Senile Hemangioma: Its Implications to Therapy. PLoS ONE, 2010, 5, e14334.	1.1	102
136	Computational methods for the identification of microRNA targets. Open Access Bioinformatics, 2010, 2, 29.	0.9	26
137	Genetics of Hypertension and Cardiovascular Disease. International Journal of Hypertension, 2010, 2010, 1-2.	0.5	2
138	MicroRNA Profile of the Developing Mouse Retina. , 2010, 51, 1823.		98
139	Ratio of miR-196s to HOXC8 Messenger RNA Correlates with Breast Cancer Cell Migration and Metastasis. Cancer Research, 2010, 70, 7894-7904.	0.4	140
140	Comprehensive Analysis of Rhesus Lymphocryptovirus MicroRNA Expression. Journal of Virology, 2010, 84, 5148-5157.	1.5	42
141	The GW/WG repeats of Drosophila GW182 function as effector motifs for miRNA-mediated repression. Nucleic Acids Research, 2010, 38, 6673-6683.	6.5	31
142	MicroRNA 320a Functions as a Novel Endogenous Modulator of Aquaporins 1 and 4 as Well as a Potential Therapeutic Target in Cerebral Ischemia*. Journal of Biological Chemistry, 2010, 285, 29223-29230.	1.6	140
143	MicroRNAâ€98 and <i>letâ€₹</i> Regulate Expression of Suppressor of Cytokine Signaling 4 in Biliary Epithelial Cells in Response to <i>Cryptosporidium parvum</i> Infection. Journal of Infectious Diseases, 2010, 202, 125-135.	1.9	71
144	Analysis of microRNA knockouts in mice. Human Molecular Genetics, 2010, 19, R169-R175.	1.4	186
145	Renal Medullary MicroRNAs in Dahl Salt-Sensitive Rats. Hypertension, 2010, 55, 974-982.	1.3	218
146	Demonstrating polymorphic miRNA-mediated gene regulation in vivo: Application to the <i>g+6223Gâ†'A</i> mutation of Texel sheep. Rna, 2010, 16, 1854-1863.	1.6	10

#	ARTICLE	IF	Citations
147	Molecular Profiling Uncovers a p53-Associated Role for MicroRNA-31 in Inhibiting the Proliferation of Serous Ovarian Carcinomas and Other Cancers. Cancer Research, 2010, 70, 1906-1915.	0.4	238
148	Signatures of MicroRNAs and Selected MicroRNA Target Genes in Human Melanoma. Cancer Research, 2010, 70, 4163-4173.	0.4	204
149	Microâ€RNAâ€31 controls hair cycleâ€associated changes in gene expression programs of the skin and hair follicle. FASEB Journal, 2010, 24, 3869-3881.	0.2	175
150	Assessing the effect of the CLPG mutation on the microRNA catalog of skeletal muscle using high-throughput sequencing. Genome Research, 2010, 20, 1651-1662.	2.4	38
151	MicroRNA miR-125a controls hematopoietic stem cell number. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14229-14234.	3.3	330
152	Sequence-non-specific effects of RNA interference triggers and microRNA regulators. Nucleic Acids Research, 2010, 38, 1-16.	6.5	485
153	Sequence context outside the target region influences the effectiveness of miR-223 target sites in the RhoB $3\hat{a}\in^2$ UTR. Nucleic Acids Research, 2010, 38, 239-252.	6.5	67
154	Genetic Variation in <i>TYMS</i> in the One-Carbon Transfer Pathway Is Associated with Ovarian Carcinoma Types in the Ovarian Cancer Association Consortium. Cancer Epidemiology Biomarkers and Prevention, 2010, 19, 1822-1830.	1.1	24
155	A mutation in the $3\hat{a}\in^2$ -UTR of the <i>HDAC6</i> gene abolishing the post-transcriptional regulation mediated by hsa-miR-433 is linked to a new form of dominant X-linked chondrodysplasia. Human Molecular Genetics, 2010, 19, 2015-2027.	1.4	80
156	Towards computational prediction of microRNA function and activity. Nucleic Acids Research, 2010, 38, e160-e160.	6.5	84
157	The microRNA miR-124 controls gene expression in the sensory nervous system of Caenorhabditis elegans. Nucleic Acids Research, 2010, 38, 3780-3793.	6.5	91
158	CPEB2, CPEB3 and CPEB4 are coordinately regulated by miRNAs recognizing conserved binding sites in paralog positions of their 3′-UTRs. Nucleic Acids Research, 2010, 38, 7698-7710.	6.5	25
159	Evidence for microRNA involvement in exercise-associated neutrophil gene expression changes. Journal of Applied Physiology, 2010, 109, 252-261.	1.2	130
160	MicroRNA Target Prediction and Exploration through Candidate Binding Sites Generation. , 2010, , .		1
161	Micro-RNA response to imatinib mesylate in patients with chronic myeloid leukemia. Haematologica, 2010, 95, 1325-1333.	1.7	113
162	Epigenetic alterations in aging. Journal of Applied Physiology, 2010, 109, 586-597.	1.2	207
163	Evidence for an autonomous 5′ target recognition domain in an Hfq-associated small RNA. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20435-20440.	3.3	168
164	Combined agonist–antagonist genome-wide functional screening identifies broadly active antiviral microRNAs. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13830-13835.	3.3	96

#	Article	IF	Citations
165	Proinflammatory Role for let-7 MicroRNAS in Experimental Asthma. Journal of Biological Chemistry, 2010, 285, 30139-30149.	1.6	222
166	Conserved microRNA targeting in <i>Drosophila</i> is as widespread in coding regions as in 3′UTRs. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15751-15756.	3.3	146
167	MYCN-regulated microRNAs repress estrogen receptor- \hat{l}_{\pm} (<i>ESR1</i>) expression and neuronal differentiation in human neuroblastoma. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1553-1558.	3.3	125
168	The new role of microRNAs in cancer. Future Oncology, 2010, 6, 1203-1206.	1.1	7
169	Cardiovascular Disease, Single Nucleotide Polymorphisms; and the Renin Angiotensin System: Is There a MicroRNA Connection?. International Journal of Hypertension, 2010, 2010, 1-13.	0.5	30
170	High-performance quantification of mature microRNAs by real-time RT-PCR using deoxyuridine-incorporated oligonucleotides and hemi-nested primers. Rna, 2010, 16, 1436-1445.	1.6	67
171	Identification of microRNAs Involved in the Host Response to Enterovirus 71 Infection by a Deep Sequencing Approach. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-8.	3.0	61
172	Dicer-independent, Ago2-mediated microRNA biogenesis in vertebrates. Cell Cycle, 2010, 9, 4455-4460.	1.3	102
173	MicroRNA-21 is upregulated during the proliferative phase of liver regeneration, targets <i>Pellino-1</i> , and inhibits NF-l ^o B signaling. American Journal of Physiology - Renal Physiology, 2010, 298, G535-G541.	1.6	165
174	Identification of microRNA activity by Targets' Reverse EXpression. Bioinformatics, 2010, 26, 91-97.	1.8	39
175	Biased hosting of intronic microRNA genes. Bioinformatics, 2010, 26, 992-995.	1.8	24
176	miR-802 regulates human angiotensin II type 1 receptor expression in intestinal epithelial C2BBe1 cells. American Journal of Physiology - Renal Physiology, 2010, 299, G632-G642.	1.6	29
177	MicroRNAs and Developmental Robustness: A New Layer Is Revealed. PLoS Biology, 2010, 8, e1000397.	2.6	14
178	Evolution of an X-Linked Primate-Specific Micro RNA Cluster. Molecular Biology and Evolution, 2010, 27, 671-683.	3.5	64
179	Why mouse oocytes and early embryos ignore miRNAs?. RNA Biology, 2010, 7, 559-563.	1.5	19
180	Molecular Signaling Networks That Choreograph Epimorphic Fin Regeneration in Zebrafish – A Mini-Review. Gerontology, 2010, 56, 231-240.	1.4	63
181	Epigenetic alteration of microRNAs in DNMT3B-mutated patients of ICF syndrome. Epigenetics, 2010, 5, 427-443.	1.3	31
182	Trisomy-21 gene dosage over-expression of miRNAs results in the haploinsufficiency of specific target proteins. RNA Biology, 2010, 7, 540-547.	1.5	74

#	Article	IF	Citations
183	mRNA turnover rate limits siRNA and microRNA efficacy. Molecular Systems Biology, 2010, 6, 433.	3.2	94
184	Involvement of let-7/miR-98 microRNAs in the regulation of progesterone receptor membrane component 1 expression in ovarian cancer cells. Oncology Reports, 2010, 25, .	1.2	27
185	To polyadenylate or to deadenylate. Cell Cycle, 2010, 9, 4437-4449.	1.3	76
186	Signatures of RNA binding proteins globally coupled to effective microRNA target sites. Genome Research, 2010, 20, 1010-1019.	2.4	102
187	Numerous Conserved and Divergent MicroRNAs Expressed by Herpes Simplex Viruses 1 and 2. Journal of Virology, 2010, 84, 4659-4672.	1.5	145
188	Experimental Approaches to the Human Renal Transcriptome. Seminars in Nephrology, 2010, 30, 455-467.	0.6	8
189	Tumor-Initiating and -Propagating Cells: Cells That We Would to Identify and Control. Neoplasia, 2010, 12, 506-515.	2.3	78
190	miRBase: microRNA Sequences and Annotation. Current Protocols in Bioinformatics, 2010, 29, Unit 12.9.1-10.	25.8	171
191	miRNA in pluripotent stem cells. Regenerative Medicine, 2010, 5, 545-555.	0.8	32
192	MicroRNAs and potential target interactions in psoriasis. Journal of Dermatological Science, 2010, 58, 177-185.	1.0	193
193	MD Simulations of the dsRBP DGCR8 Reveal Correlated Motions that May Aid pri-miRNA Binding. Biophysical Journal, 2010, 99, 248-256.	0.2	14
194	Microâ€RNAs and breast cancer. Molecular Oncology, 2010, 4, 230-241.	2.1	96
195	Mechanisms of control of microRNA biogenesis. Journal of Biochemistry, 2010, 148, 381-92.	0.9	202
196	MicroRNA in Cancer: The Involvement of Aberrant MicroRNA Biogenesis Regulatory Pathways. Genes and Cancer, 2010, 1, 1100-1114.	0.6	157
197	Dynamic Origins of Differential RNA Binding Function in Two dsRBDs from the miRNA "Microprocessor―Complex. Biochemistry, 2010, 49, 10728-10736.	1.2	22
198	Mammalian microRNAs: experimental evaluation of novel and previously annotated genes. Genes and Development, 2010, 24, 992-1009.	2.7	706
199	A Link between mir-100 and FRAP1/mTOR in Clear Cell Ovarian Cancer. Molecular Endocrinology, 2010, 24, 447-463.	3.7	225
200	Viruses, microRNAs, and Host Interactions. Annual Review of Microbiology, 2010, 64, 123-141.	2.9	634

#	Article	IF	CITATIONS
201	miRNA Effects on mRNA Closed-Loop Formation During Translation Initiation. Progress in Molecular and Subcellular Biology, 2010, 50, 99-112.	0.9	14
202	Posttranscriptional Regulation of MicroRNA Biogenesis in Animals. Molecular Cell, 2010, 38, 323-332.	4.5	507
203	Expanding the MicroRNA Targeting Code: Functional Sites with Centered Pairing. Molecular Cell, 2010, 38, 789-802.	4.5	534
204	MicroRNA Functions in Stress Responses. Molecular Cell, 2010, 40, 205-215.	4.5	740
205	Pervasive and Cooperative Deadenylation of 3′UTRs by Embryonic MicroRNA Families. Molecular Cell, 2010, 40, 558-570.	4.5	92
206	The miR-17-92 MicroRNA Cluster Regulates Multiple Components of the TGF-β Pathway in Neuroblastoma. Molecular Cell, 2010, 40, 762-773.	4.5	279
207	Expression of microRNAs is not related to increased expression of ZDHHC9 in hind leg muscles of splay leg piglets. Molecular and Cellular Probes, 2010, 24, 32-37.	0.9	11
208	Cytoplasmic ribonucleoprotein (RNP) bodies and their relationship to GW/P bodies. International Journal of Biochemistry and Cell Biology, 2010, 42, 828-843.	1.2	7 5
209	Multidirectional interplay between nuclear receptors and microRNAs. Current Opinion in Pharmacology, 2010, 10, 637-642.	1.7	26
210	Small RNAs in mammalian germline: Tiny for immortal. Differentiation, 2010, 79, 141-146.	1.0	23
211	MacroRNA underdogs in a microRNA world: Evolutionary, regulatory, and biomedical significance of mammalian long non-protein-coding RNA. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2010, 1799, 597-615.	0.9	200
212	Differentiation-associated miR-22 represses Max expression and inhibits cell cycle progression. Biochemical and Biophysical Research Communications, 2010, 394, 606-611.	1.0	64
213	MicroRNAs expression signatures are associated with lineage and survival in acute leukemias. Blood Cells, Molecules, and Diseases, 2010, 44, 191-197.	0.6	132
214	Alpha-fetoprotein gene polymorphisms and risk of HCC and cirrhosis. Clinica Chimica Acta, 2010, 411, 351-358.	0.5	14
215	miR-328 Functions as an RNA Decoy to Modulate hnRNP E2 Regulation of mRNA Translation in Leukemic Blasts. Cell, 2010, 140, 652-665.	13.5	514
216	Transcriptome-wide Identification of RNA-Binding Protein and MicroRNA Target Sites by PAR-CLIP. Cell, 2010, 141, 129-141.	13.5	2,604
217	A MicroRNA Targeting Dicer for Metastasis Control. Cell, 2010, 141, 1195-1207.	13.5	619
218	Paternally Induced Transgenerational Environmental Reprogramming of Metabolic Gene Expression in Mammals. Cell, 2010, 143, 1084-1096.	13.5	990

#	Article	IF	CITATIONS
219	microRNAs and cholesterol metabolism. Trends in Endocrinology and Metabolism, 2010, 21, 699-706.	3.1	127
220	MicroRNAs and their implications in toxicological research. Toxicology Letters, 2010, 198, 100-105.	0.4	101
221	Computational methods to identify miRNA targets. Seminars in Cell and Developmental Biology, 2010, 21, 738-744.	2.3	51
222	MicroRNAs as genetic sculptors: Fishing for clues. Seminars in Cell and Developmental Biology, 2010, 21, 760-767.	2.3	30
223	A view from Drosophila: Multiple biological functions for individual microRNAs. Seminars in Cell and Developmental Biology, 2010, 21, 745-753.	2.3	35
224	Tooth morphogenesis and ameloblast differentiation are regulated by micro-RNAs. Developmental Biology, 2010, 340, 355-368.	0.9	102
225	The plasticity of the mammalian transcriptome. Genomics, 2010, 95, 1-6.	1.3	64
226	Regulation of mRNA Translation and Stability by microRNAs. Annual Review of Biochemistry, 2010, 79, 351-379.	5.0	2,694
227	The Key Features of RNA Silencing. , 2010, , 1-28.		0
228	Desperately seeking microRNA targets. Nature Structural and Molecular Biology, 2010, 17, 1169-1174.	3.6	456
229	MicroRNA dysregulation in psychiatric disease. Brain Research, 2010, 1338, 89-99.	1.1	184
230	Estrogen Receptor α Controls a Gene Network in Luminal-Like Breast Cancer Cells Comprising Multiple Transcription Factors and MicroRNAs. American Journal of Pathology, 2010, 176, 2113-2130.	1.9	151
231	MicroRNA-125b expands hematopoietic stem cells and enriches for the lymphoid-balanced and lymphoid-biased subsets. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21505-21510.	3.3	197
232	The Role of microRNAs in Drug Addiction. International Review of Neurobiology, 2010, 91, 1-24.	0.9	39
233	Inference of Gene Expression Regulation via microRNA Transfection. Lecture Notes in Computer Science, 2010, , 672-679.	1.0	2
234	Comprehensive modeling of microRNA targets predicts functional non-conserved and non-canonical sites. Genome Biology, 2010, 11, R90.	13.9	1,478
235	PhenomiR: a knowledgebase for microRNA expression in diseases and biological processes. Genome Biology, 2010, 11, R6.	13.9	247
236	Investigation of post-transcriptional gene regulatory networks associated with autism spectrum disorders by microRNA expression profiling of lymphoblastoid cell lines. Genome Medicine, 2010, 2, 23.	3.6	196

#	Article	IF	Citations
237	MicroRNA: Potential Targets for the Development of Novel Drugs?. Drugs in R and D, 2010, 10, 1-8.	1.1	38
238	Systematic comparison of microarray profiling, real-time PCR, and next-generation sequencing technologies for measuring differential microRNA expression. Rna, 2010, 16, 991-1006.	1.6	588
239	MicroRNA signatures in peripheral blood mononuclear cells of chronic heart failure patients. Physiological Genomics, 2010, 42, 420-426.	1.0	123
240	MicroRNA sponges: Progress and possibilities. Rna, 2010, 16, 2043-2050.	1.6	634
241	MicroRNAs in embryonic stem cell function and fate. Genes and Development, 2010, 24, 2732-2741.	2.7	91
242	Machine learning approaches for the investigation of features beyond seed matches affecting miRNA binding. , 2010, , .		0
243	MiRNAs as promising phylogenetic markers for inferring deep metazoan phylogeny and in support of Olfactores hypothesis. , 2010 , , .		0
244	Prediction and Evaluation of miRNA – Target Gene Pairs Using K-means Clustering and Bipartite Graphs with Statistical Scoring. , 2011, , .		1
245	Predicting MicroRNA targets by integrating sequence and expression data in cancer., 2011,,.		4
246	Identifying Transcription Factors and microRNAs as Key Regulators of Pathways Using Bayesian Inference on Known Pathway Structures. , $2011,\ldots$		0
247	Context-specific miRNA regulation network predicts cancer prognosis., 2011,,.		2
248	Measurable evidence of miRNAs as regulators of cancer networks and therapeutic targets. Expert Review of Medical Devices, 2011, 8, 123-126.	1.4	28
249	MicroRNAs in platelet production and activation. Blood, 2011, 117, 5289-5296.	0.6	112
250	Selection of RNA Oligonucleotides That Can Modulate Human Dicer Activity In Vitro. Nucleic Acid Therapeutics, 2011, 21, 333-346.	2.0	16
251	Vigilance and Validation: Keys to Success in RNAi Screening. ACS Chemical Biology, 2011, 6, 47-60.	1.6	110
252	miRBase: integrating microRNA annotation and deep-sequencing data. Nucleic Acids Research, 2011, 39, D152-D157.	6.5	3,263
253	Anti-DNA:RNA Antibodies and Silicon Photonic Microring Resonators: Increased Sensitivity for Multiplexed microRNA Detection. Analytical Chemistry, 2011, 83, 5949-5956.	3.2	139
254	In Silico Mining of MicroRNA Signatures in Human Ovarian Cancer., 2011,,.		1

#	Article	IF	CITATIONS
255	MicroRNA characterize genetic diversity and drug resistance in pediatric acute lymphoblastic leukemia. Haematologica, 2011, 96, 703-711.	1.7	179
256	Selective inhibition of microRNA accessibility by RBM38 is required for p53 activity. Nature Communications, 2011, 2, 513.	5.8	91
257	G-DOC: A Systems Medicine Platform for Personalized Oncology. Neoplasia, 2011, 13, 771-783.	2.3	58
258	MicroRNA-125b Potentiates Macrophage Activation. Journal of Immunology, 2011, 187, 5062-5068.	0.4	286
259	Microribonucleic Acids for Prevention of Plaque Rupture and In-Stent Restenosis. Journal of the American College of Cardiology, 2011, 57, 383-389.	1.2	33
260	Circulating microRNA associated with TNF- $\hat{l}\pm$ signaling pathway in patients with plaque psoriasis. Journal of Dermatological Science, 2011, 61, 209-211.	1.0	17
261	The circulating microRNA-221 level in patients with malignant melanoma as a new tumor marker. Journal of Dermatological Science, 2011, 61, 187-193.	1.0	185
262	Performing Custom MicroRNA Microarray Experiments. Journal of Visualized Experiments, 2011, , e3250.	0.2	7
263	A cooperative microRNA-tumor suppressor gene network in acute T-cell lymphoblastic leukemia (T-ALL). Nature Genetics, 2011, 43, 673-678.	9.4	244
264	Mir193b–365 is essential for brown fat differentiation. Nature Cell Biology, 2011, 13, 958-965.	4.6	273
265	Diabetes mellitus, a microRNA-related disease?. Translational Research, 2011, 157, 253-264.	2.2	261
266	Integrating microRNAs into a system biology approach to acute lung injury. Translational Research, 2011, 157, 180-190.	2.2	81
267	Nonâ€coding RNAs in cancer initiation and progression and as novel biomarkers. Molecular Oncology, 2011, 5, 483-491.	2.1	102
268	Genetics of Circadian Rhythms in Mammalian Model Organisms. Advances in Genetics, 2011, 74, 175-230.	0.8	468
269	Reconstitution of CF IA from Overexpressed Subunits Reveals Stoichiometry and Provides Insights into Molecular Topology. Biochemistry, 2011, 50, 10203-10214.	1.2	30
270	Graph based fusion of miRNA and mRNA expression data improves clinical outcome prediction in prostate cancer. BMC Bioinformatics, 2011, 12, 488.	1.2	35
271	MicroRNAs in Cancer Translational Research., 2011,,.		5
272	MicroRNA-15a and -16-1 act via MYB to elevate fetal hemoglobin expression in human trisomy 13. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1519-1524.	3.3	186

#	Article	IF	Citations
273	microRNA and mRNA Expression Profiling Analysis of Dichlorvos Cytotoxicity in Porcine Kidney Epithelial PK15 Cells. DNA and Cell Biology, 2011, 30, 1073-1083.	0.9	26
274	Chemical modification and design of anti-miRNA oligonucleotides. Gene Therapy, 2011, 18, 1111-1120.	2.3	363
275	Hepatitis C Virus Infection and Hepatic Stellate Cell Activation Downregulate miR-29: miR-29 Overexpression Reduces Hepatitis C Viral Abundance in Culture. Journal of Infectious Diseases, 2011, 203, 1753-1762.	1.9	138
276	MiRNA–miRNA synergistic network: construction via co-regulating functional modules and disease miRNA topological features. Nucleic Acids Research, 2011, 39, 825-836.	6.5	245
277	MicroRNAs can generate thresholds in target gene expression. Nature Genetics, 2011, 43, 854-859.	9.4	568
278	MicroRNA profiling reveals age-dependent differential expression of nuclear factor \hat{I}^{B} B and mitogen-activated protein kinase in adipose and bone marrow-derived human mesenchymal stem cells. Stem Cell Research and Therapy, 2011, 2, 49.	2.4	72
279	MicroRNA-Mediated Processes are Essential for the Cellular Radiation Response. Radiation Research, 2011, 176, 575.	0.7	66
280	miR-193b Regulates Mcl-1 in Melanoma. American Journal of Pathology, 2011, 179, 2162-2168.	1.9	100
281	miRNA Expression Profile after Status Epilepticus and Hippocampal Neuroprotection by Targeting miR-132. American Journal of Pathology, 2011, 179, 2519-2532.	1.9	194
282	A ceRNA Hypothesis: The Rosetta Stone of a Hidden RNA Language?. Cell, 2011, 146, 353-358.	13.5	5,954
283	A Long Noncoding RNA Controls Muscle Differentiation by Functioning as a Competing Endogenous RNA. Cell, 2011, 147, 358-369.	13.5	2,390
284	Coding-Independent Regulation of the Tumor Suppressor PTEN by Competing Endogenous mRNAs. Cell, 2011, 147, 344-357.	13.5	926
285	InÂVivo Identification of Tumor- Suppressive PTEN ceRNAs in an Oncogenic BRAF-Induced Mouse Model of Melanoma. Cell, 2011, 147, 382-395.	13.5	602
286	HOCTAR database: A unique resource for microRNA target prediction. Gene, 2011, 480, 51-58.	1.0	54
287	Differential expression of microRNA expression in tamoxifen-sensitive MCF-7 versus tamoxifen-resistant LY2 human breast cancer cells. Cancer Letters, 2011, 313, 26-43.	3.2	68
288	MicroRNA changes in the mouse prefrontal cortex after inflammatory pain. European Journal of Pain, 2011, 15, 801.e1-12.	1.4	41
289	MicroRNAs and the cell cycle. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 592-601.	1.8	336
290	Autosomal dominant polycystic kidney disease: Genetics, mutations and microRNAs. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1202-1212.	1.8	55

#	Article	IF	CITATIONS
291	Roles and regulation of microRNAs in cytomegalovirus infection. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 613-622.	0.9	27
292	Mammalian alphaherpesvirus miRNAs. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 641-653.	0.9	31
293	Viral miRNAs and immune evasion. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 708-714.	0.9	56
294	Viral miRNAs exploiting the endosomal–exosomal pathway for intercellular cross-talk and immune evasion. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 715-721.	0.9	108
295	Differences in islet-enriched miRNAs in healthy and glucose intolerant human subjects. Biochemical and Biophysical Research Communications, 2011, 404, 16-22.	1.0	93
296	MicroRNA-101 downregulates Alzheimer's amyloid-β precursor protein levels in human cell cultures and is differentially expressed. Biochemical and Biophysical Research Communications, 2011, 404, 889-895.	1.0	191
297	In-vivo quantification of primary microRNA processing by Drosha with a luciferase based system. Biochemical and Biophysical Research Communications, 2011, 406, 501-505.	1.0	21
298	MicroRNA-binding is required for recruitment of human Argonaute 2 to stress granules and P-bodies. Biochemical and Biophysical Research Communications, 2011, 414, 259-264.	1.0	15
299	MicroRNA in TLR signaling and endotoxin tolerance. Cellular and Molecular Immunology, 2011, 8, 388-403.	4.8	272
300	Intracellular and Extracellular MicroRNAs in Breast Cancer. Clinical Chemistry, 2011, 57, 18-32.	1.5	197
301	MicroRNA-29 Regulates T-Box Transcription Factors and Interferon- \hat{I}^3 Production in Helper T Cells. Immunity, 2011, 35, 169-181.	6.6	325
302	MicroRNA pharmacogenomics: Post-transcriptional regulation of drug response. Trends in Molecular Medicine, 2011, 17, 412-423.	3.5	112
303	miRNAs got rhythm. Life Sciences, 2011, 88, 373-383.	2.0	13
304	Identification of cardiovascular microRNA targetomes. Journal of Molecular and Cellular Cardiology, 2011, 51, 674-681.	0.9	14
305	Differential expression of porcine sperm microRNAs and their association with sperm morphology and motility. Theriogenology, 2011, 76, 1532-1539.	0.9	95
306	A systems genetic analysis of alcohol drinking by mice, rats and men: Influence of brain GABAergic transmission. Neuropharmacology, 2011, 60, 1269-1280.	2.0	50
307	MicroRNA regulation of neural plasticity and memory. Neurobiology of Learning and Memory, 2011, 96, 89-94.	1.0	158
308	Association between miR-200c and the survival of patients with stage I epithelial ovarian cancer: a retrospective study of two independent tumour tissue collections. Lancet Oncology, The, 2011, 12, 273-285.	5.1	173

#	ARTICLE	IF	CITATIONS
309	Weak seed-pairing stability and high target-site abundance decrease the proficiency of lsy-6 and other microRNAs. Nature Structural and Molecular Biology, 2011, 18, 1139-1146.	3.6	803
310	Melanoma cell invasiveness is regulated by miRâ€211 suppression of the BRN2 transcription factor. Pigment Cell and Melanoma Research, 2011, 24, 525-537.	1.5	158
311	The three M's: melanoma, microphthalmiaâ€associated transcription factor and microRNA. Pigment Cell and Melanoma Research, 2011, 24, 1088-1106.	1.5	60
312	MicroRNA provides insight into understanding esophageal cancer. Thoracic Cancer, 2011, 2, 134-142.	0.8	9
313	Expression of microRNA and their gene targets are dysregulated in preinvasive breast cancer. Breast Cancer Research, 2011, 13, R24.	2.2	156
314	Cell Cycle Regulation by microRNAs in Stem Cells. Results and Problems in Cell Differentiation, 2011, 53, 459-472.	0.2	31
315	Genetic predisposition to respiratory infection and sepsis. Critical Reviews in Clinical Laboratory Sciences, 2011, 48, 250-268.	2.7	31
316	Radiosensitizing Effects of Ectopic miR-101 on Non–Small-Cell Lung Cancer Cells Depend on the Endogenous miR-101 Level. International Journal of Radiation Oncology Biology Physics, 2011, 81, 1524-1529.	0.4	53
317	MicroRNA Targeting in Heart: A Theoretical Analysis. , 2011, , .		1
318	MicroRNA in Human Gliomas. , 2011, , .		0
319	A Potential of microRNAs for High-Content Screening. Journal of Nucleic Acids, 2011, 2011, 1-15.	0.8	14
320	Circulating nucleic acids as a diagnostic and prognostic marker in various malignant and benign diseases. International Journal of Biological and Chemical Sciences, 2011, 4, .	0.1	0
321	Online resources for microRNA analysis. Journal of Nucleic Acids Investigation, 2011, 2, 4.	0.5	3
323	Role of MicroRNAs in Insect Host–Microorganism Interactions. Frontiers in Physiology, 2011, 2, 48.	1.3	79
324	Systems Biology Reveals MicroRNA-Mediated Gene Regulation. Frontiers in Genetics, 2011, 2, 29.	1.1	28
325	MIRNA-DISTILLER: A Stand-Alone Application to Compile microRNA Data from Databases. Frontiers in Genetics, 2011, 2, 39.	1.1	8
326	Novel and Conserved Micrornas in Dalian Purple Urchin (Strongylocentrotus Nudus) Identified by Next Generation Sequencing. International Journal of Biological Sciences, 2011, 7, 180-192.	2.6	46
327	The Characterisation of Three Types of Genes that Overlie Copy Number Variable Regions. PLoS ONE, 2011, 6, e14814.	1.1	24

#	ARTICLE	IF	CITATIONS
328	MicroRNAs Differentially Expressed in Postnatal Aortic Development Downregulate Elastin via 3′ UTR and Coding-Sequence Binding Sites. PLoS ONE, 2011, 6, e16250.	1.1	100
329	Systematic Evaluation of Three microRNA Profiling Platforms: Microarray, Beads Array, and Quantitative Real-Time PCR Array. PLoS ONE, 2011, 6, e17167.	1.1	95
330	Deregulation of MYCN, LIN28B and LET7 in a Molecular Subtype of Aggressive High-Grade Serous Ovarian Cancers. PLoS ONE, 2011, 6, e18064.	1.1	172
331	Differential Glucose-Regulation of MicroRNAs in Pancreatic Islets of Non-Obese Type 2 Diabetes Model Goto-Kakizaki Rat. PLoS ONE, 2011, 6, e18613.	1.1	167
332	Regulation of Cancer Aggressive Features in Melanoma Cells by MicroRNAs. PLoS ONE, 2011, 6, e18936.	1.1	77
333	Computational Prediction of Intronic microRNA Targets using Host Gene Expression Reveals Novel Regulatory Mechanisms. PLoS ONE, 2011, 6, e19312.	1.1	34
334	MicroRNA-22 Regulates Hypoxia Signaling in Colon Cancer Cells. PLoS ONE, 2011, 6, e20291.	1.1	116
335	Bioinformatic and Genetic Association Analysis of MicroRNA Target Sites in One-Carbon Metabolism Genes. PLoS ONE, 2011, 6, e21851.	1.1	65
336	Quantitative Proteomics Identify Novel miR-155 Target Proteins. PLoS ONE, 2011, 6, e22146.	1.1	28
337	Comparative Analysis of mRNA Isoform Expression in Cardiac Hypertrophy and Development Reveals Multiple Post-Transcriptional Regulatory Modules. PLoS ONE, 2011, 6, e22391.	1.1	65
338	MIRTFnet: Analysis of miRNA Regulated Transcription Factors. PLoS ONE, 2011, 6, e22519.	1.1	25
339	Comparative mRNA and microRNA Expression Profiling of Three Genitourinary Cancers Reveals Common Hallmarks and Cancer-Specific Molecular Events. PLoS ONE, 2011, 6, e22570.	1.1	69
340	Why Does the Giant Panda Eat Bamboo? A Comparative Analysis of Appetite-Reward-Related Genes among Mammals. PLoS ONE, 2011, 6, e22602.	1.1	49
341	MicroRNA-96 Directly Inhibits \hat{I}^3 -Globin Expression in Human Erythropoiesis. PLoS ONE, 2011, 6, e22838.	1.1	65
342	miR-143 Overexpression Impairs Growth of Human Colon Carcinoma Xenografts in Mice with Induction of Apoptosis and Inhibition of Proliferation. PLoS ONE, 2011, 6, e23787.	1.1	95
343	Integrated Analysis of miRNA and mRNA Expression in Childhood Medulloblastoma Compared with Neural Stem Cells. PLoS ONE, 2011, 6, e23935.	1.1	46
344	miR-143 Regulation of Prostaglandin-Endoperoxidase Synthase 2 in the Amnion: Implications for Human Parturition at Term. PLoS ONE, 2011, 6, e24131.	1.1	48
345	Reduced Expression of Brain-Enriched microRNAs in Glioblastomas Permits Targeted Regulation of a Cell Death Gene. PLoS ONE, 2011, 6, e24248.	1.1	160

#	Article	IF	Citations
346	MultiMiTar: A Novel Multi Objective Optimization based miRNA-Target Prediction Method. PLoS ONE, 2011, 6, e24583.	1.1	40
347	Dicer Is Required for Haploid Male Germ Cell Differentiation in Mice. PLoS ONE, 2011, 6, e24821.	1.1	139
348	Synergistic Post-Transcriptional Regulation of the Cystic Fibrosis Transmembrane conductance Regulator (CFTR) by miR-101 and miR-494 Specific Binding. PLoS ONE, 2011, 6, e26601.	1.1	80
349	Mutagen-Specific Mutation Signature Determines Global microRNA Binding. PLoS ONE, 2011, 6, e27400.	1.1	9
350	Human cytomegalovirus miRNAs. Future Virology, 2011, 6, 909-916.	0.9	0
351	MicroRNA-138 suppresses epithelial–mesenchymal transition in squamous cell carcinoma cell lines. Biochemical Journal, 2011, 440, 23-31.	1.7	173
352	Evolution of MicroRNAs and the Diversification of Species. Genome Biology and Evolution, 2011, 3, 55-65.	1.1	63
353	Practical Aspects of microRNA Target Prediction. Current Molecular Medicine, 2011, 11, 93-109.	0.6	432
354	miRNAs Highlights in Stem and Cancer Cells. Mini-Reviews in Medicinal Chemistry, 2011, 11, 1165-1182.	1.1	20
355	Platelet microRNA-mRNA coexpression profiles correlate with platelet reactivity. Blood, 2011, 117, 5189-5197.	0.6	305
356	Coordinate loss of a microRNA and protein-coding gene cooperate in the pathogenesis of 5qâ^' syndrome. Blood, 2011, 118, 4666-4673.	0.6	97
357	MicroRNA-130a–mediated down-regulation of Smad4 contributes to reduced sensitivity to TGF-β1 stimulation in granulocytic precursors. Blood, 2011, 118, 6649-6659.	0.6	53
358	Epigenetic and molecular profiles of erythroid cells after hydroxyurea treatment in sickle cell anemia. Blood, 2011, 118, 5664-5670.	0.6	58
359	Combining multiple perspective as intelligent agents into robust approach for biomarker detection in gene expression data. International Journal of Data Mining and Bioinformatics, 2011, 5, 332.	0.1	3
360	Computational identification of potential microRNA network biomarkers for the progression stages of gastric cancer. International Journal of Data Mining and Bioinformatics, 2011, 5, 519.	0.1	8
361	Identifying Targets of Human microRNAs with the LightSwitch Luciferase Assay System using 3'UTR-reporter Constructs and a microRNA Mimic in Adherent Cells. Journal of Visualized Experiments, 2011, , .	0.2	15
362	High Throughput MicroRNA Profiling: Optimized Multiplex qRT-PCR at Nanoliter Scale on the Fluidigm Dynamic ArrayTM IFCs. Journal of Visualized Experiments, $2011, \ldots$	0.2	11
363	Regulating the Regulators: microRNA and Asthma. World Allergy Organization Journal, 2011, 4, 94-103.	1.6	23

#	Article	IF	CITATIONS
365	Plasma miR-124 as a biomarker for cerebral infarction. Biomedical Research, 2011, 32, 135-141.	0.3	119
366	MicroRNA miR-133b is essential for functional recovery after spinal cord injury in adult zebrafish. European Journal of Neuroscience, 2011, 33, 1587-1597.	1.2	141
367	<i>letâ€7</i> and <i>miRâ€17â€92</i> : Smallâ€sized major players in lung cancer development. Cancer Science, 2011, 102, 9-17.	1.7	167
368	Systematic exploration of cancerâ€associated microRNA through functional screening assays. Cancer Science, 2011, 102, 1615-1621.	1.7	19
369	microRNA-mediated keratinocyte hyperproliferation in psoriasis vulgaris. British Journal of Dermatology, 2011, 165, 1003-1010.	1.4	99
370	Prognostic potential of hepatic miR-122 measurements and antisense strategies targeting miR-122 as a therapeutic approach in viral hepatitis. Liver International, 2011, 31, 437-439.	1.9	2
371	miR-221 and miR-222 expression increased the growth and tumorigenesis of oral carcinoma cells. Journal of Oral Pathology and Medicine, 2011, 40, 560-566.	1.4	63
372	Specific Microâ€RNA Signatures for the Detection of Saliva and Blood in Forensic Bodyâ€fluid Identification. Journal of Forensic Sciences, 2011, 56, 1464-1470.	0.9	121
373	MicroRNAs are transported in plasma and delivered to recipient cells by high-density lipoproteins. Nature Cell Biology, 2011, 13, 423-433.	4.6	2,395
374	miRNA regulation of Sdf1 chemokine signaling provides genetic robustness to germ cell migration. Nature Genetics, 2011, 43, 204-211.	9.4	110
375	Epithelial microRNAs regulate gut mucosal immunity via epithelium–T cell crosstalk. Nature Immunology, 2011, 12, 239-246.	7.0	180
376	MicroRNA regulation by RNA-binding proteins and its implications for cancer. Nature Reviews Cancer, 2011, 11, 644-656.	12.8	555
377	Understanding the contribution of synonymous mutations to human disease. Nature Reviews Genetics, 2011, 12, 683-691.	7.7	815
378	Evolution of microRNA diversity and regulation in animals. Nature Reviews Genetics, 2011, 12, 846-860.	7.7	645
379	RNA Editing adds flavor to complexity. Biochemistry (Moscow), 2011, 76, 869-881.	0.7	13
380	Search for protein markers for serum diagnostics of tumors by analysis of microRNA expression profiles. Molecular Biology, 2011, 45, 337-342.	0.4	4
381	Genome-wide identification of Ago2 binding sites from mouse embryonic stem cells with and without mature microRNAs. Nature Structural and Molecular Biology, 2011, 18, 237-244.	3.6	229
382	The prospects for designer single-stranded RNA-binding proteins. Nature Structural and Molecular Biology, 2011, 18, 256-261.	3.6	59

#	Article	IF	CITATIONS
383	Downregulation of Spry2 by miR-21 triggers malignancy in human gliomas. Oncogene, 2011, 30, 2433-2442.	2.6	134
384	microRNA-214 contributes to melanoma tumour progression through suppression of TFAP2C. EMBO Journal, 2011, 30, 1990-2007.	3.5	228
385	MicroRNA therapeutics. Gene Therapy, 2011, 18, 1104-1110.	2.3	369
386	A Comprehensive Analysis of MicroRNA Expression During Human Keratinocyte Differentiation In Vitro and In Vivo. Journal of Investigative Dermatology, 2011, 131, 20-29.	0.3	95
387	Hypermethylation of specific microRNA genes in MLL-rearranged infant acute lymphoblastic leukemia: major matters at a micro scale. Leukemia, 2011, 25, 429-439.	3.3	95
388	MicroRNAs in addiction: adaptation's middlemen?. Molecular Psychiatry, 2011, 16, 1159-1168.	4.1	51
389	Formation, regulation and evolution of Caenorhabditis elegans 3′UTRs. Nature, 2011, 469, 97-101.	13.7	432
390	Nanostructural materials increase mineralization in bone cells and affect gene expression through miRNA regulation. Journal of Cellular and Molecular Medicine, 2011, 15, 2297-2306.	1.6	58
391	Blood Cell MicroRNAs: What Are They and What Future Do They Hold?. Transfusion Medicine Reviews, 2011, 25, 247-251.	0.9	16
392	MicroRNAs in inflammation and response to injuries induced by environmental pollution. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 717, 46-53.	0.4	54
393	Extracellular microRNA: A new source of biomarkers. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 717, 85-90.	0.4	542
394	MicroRNAs, the DNA damage response and cancer. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 717, 54-66.	0.4	78
395	MicroRNA expression in the livers of inbred mice. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 714, 126-133.	0.4	15
396	MicroRNAs as new players in the pain game. Pain, 2011, 152, 1455-1458.	2.0	46
397	MicroRNAs from biology to future pharmacotherapy: Regulation of cytochrome P450s and nuclear receptors., 2011, 131, 330-337.		62
398	MicroRNAs and Cancer: Introduction. Seminars in Oncology, 2011, 38, 721-723.	0.8	20
399	A microRNA of infectious laryngotracheitis virus can downregulate and direct cleavage of ICP4 mRNA. Virology, 2011, 411, 25-31.	1.1	20
400	Ortho2ExpressMatrixâ€"a web server that interprets cross-species gene expression data by gene family information. BMC Genomics, 2011, 12, 483.	1.2	5

#	Article	IF	CITATIONS
401	Interference of kallikrein 1b26 (klk1b26) translation by microRNA specifically expressed in female mouse submandibular glands: an additional mechanism for sexual dimorphism of klk1b26 protein in the glands. Biology of Sex Differences, 2011, 2, 13.	1.8	0
402	Dysregulation of microRNAs in cancer: Playing with fire. FEBS Letters, 2011, 585, 2087-2099.	1.3	264
403	The central role of RNA in human development and cognition. FEBS Letters, 2011, 585, 1600-1616.	1.3	212
404	MicroRNAs in rheumatoid arthritis. FEBS Letters, 2011, 585, 3667-3674.	1.3	88
405	Silencing of miR-124 induces neuroblastoma SK-N-SH cell differentiation, cell cycle arrest and apoptosis through promoting AHR. FEBS Letters, 2011, 585, 3582-3586.	1.3	67
406	Breast cancer resistance protein BCRP/ABCG2 regulatory microRNAs (hsa-miR-328, -519c and -520h) and their differential expression in stem-like ABCG2+ cancer cells. Biochemical Pharmacology, 2011, 81, 783-792.	2.0	103
407	Construction and detection of expression vectors of microRNA-9a in BmN cells. Journal of Zhejiang University: Science B, 2011, 12, 527-533.	1.3	13
408	From 'JUNK' to Just Unexplored Noncoding Knowledge: the case of transcribed Alus. Briefings in Functional Genomics, 2011, 10, 294-311.	1.3	26
409	New insights in the mechanism of microRNA-mediated target repression. Nature Structural and Molecular Biology, 2011, 18, 1181-1182.	3.6	18
410	Role of MicroRNAs in Anti-cancer Drug Resistance. , 2011, , 449-483.		3
411	A role for noncanonical microRNAs in the mammalian brain revealed by phenotypic differences in <i>Dgcr8</i> versus <i>Dicer1</i> knockouts and small RNA sequencing. Rna, 2011, 17, 1489-1501.	1.6	102
412	The Role of MicroRNAs in Cholesterol Efflux and Hepatic Lipid Metabolism. Annual Review of Nutrition, 2011, 31, 49-63.	4.3	130
413	MicroRNAs in Esophageal Cancer. , 2011, , 201-221.		3
414	Micromanaging Vascular Smooth Muscle Cell Differentiation and Phenotypic Modulation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2370-2377.	1.1	203
415	Whole mouse blood microRNA as biomarkers for exposure to ?-rays and < sup > 56 < /sup > Fe ions. International Journal of Radiation Biology, 2011, 87, 653-662.	1.0	63
416	Small RNA Sequencing and Functional Characterization Reveals MicroRNA-143 Tumor Suppressor Activity in Liposarcoma. Cancer Research, 2011, 71, 5659-5669.	0.4	106
417	A systems biological view of intracellular pathogens. Immunological Reviews, 2011, 240, 117-128.	2.8	23
418	Significance of Lgr5+ve Cancer Stem Cells in the Colon and Rectum. Annals of Surgical Oncology, 2011, 18, 1166-1174.	0.7	147

#	Article	IF	CITATIONS
419	MicroRNAs Regulate Dendritic Cell Differentiation and Function. Journal of Immunology, 2011, 187, 3911-3917.	0.4	162
420	miR-373 Negatively Regulates Methyl-CpG-Binding Domain Protein 2 (MBD2) in Hilar Cholangiocarcinoma. Digestive Diseases and Sciences, 2011, 56, 1693-1701.	1.1	60
421	Let-7a regulation of insulin-like growth factors in breast cancer. Breast Cancer Research and Treatment, 2011, 126, 687-694.	1.1	26
422	MicroRNA and AU-rich element regulation of prostaglandin synthesis. Cancer and Metastasis Reviews, 2011, 30, 419-435.	2.7	23
423	PPARα Is Regulated by miR-21 and miR-27b in Human Liver. Pharmaceutical Research, 2011, 28, 2467-2476.	1.7	122
424	miR-143 decreases prostate cancer cells proliferation and migration and enhances their sensitivity to docetaxel through suppression of KRAS. Molecular and Cellular Biochemistry, 2011, 350, 207-213.	1.4	195
425	Differential expression of microRNA-1 in dorsal root ganglion neurons. Histochemistry and Cell Biology, 2011, 135, 37-45.	0.8	17
426	Identification and experimental validation of G protein alpha inhibiting activity polypeptide 2 (GNAI2) as a microRNA-138 target in tongue squamous cell carcinoma. Human Genetics, 2011, 129, 189-197.	1.8	84
427	Molecular imaging of microRNAs. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 1572-1579.	3.3	47
428	Brain expression quantitative trait locus mapping informs genetic studies of psychiatric diseases. Neuroscience Bulletin, 2011, 27, 123-133.	1.5	28
429	Role for MicroRNAs in Regulating Glucocorticoid Response and Resistance in Multiple Myeloma. Hormones and Cancer, 2011, 2, 182-189.	4.9	55
430	The molecular characterization and function of miRNAs on mediation of target gene silencing in plants. Frontiers of Agriculture in China, 2011, 5, 162-172.	0.2	0
431	The functional role of long non-coding RNA in human carcinomas. Molecular Cancer, 2011, 10, 38.	7.9	1,450
432	Expression patterns of microRNAs associated with CML phases and their disease related targets. Molecular Cancer, 2011, 10, 41.	7.9	124
433	Tat RNA silencing suppressor activity contributes to perturbation of lymphocyte miRNA by HIV-1. Retrovirology, 2011, 8, 36.	0.9	50
434	Integrative network analysis reveals active microRNAs and their functions in gastric cancer. BMC Systems Biology, 2011, 5, 99.	3.0	78
435	Integrative analysis of next generation sequencing for small non-coding RNAs and transcriptional regulation in Myelodysplastic Syndromes. BMC Medical Genomics, 2011, 4, 19.	0.7	41
436	Comprehensive analysis of human microRNA target networks. BioData Mining, 2011, 4, 17.	2.2	69

#	Article	IF	CITATIONS
437	miRTar: an integrated system for identifying miRNA-target interactions in human. BMC Bioinformatics, 2011, 12, 300.	1.2	128
438	miREE: miRNA recognition elements ensemble. BMC Bioinformatics, 2011, 12, 454.	1.2	31
439	Different level of population differentiation among human genes. BMC Evolutionary Biology, 2011, 11, 16.	3.2	24
440	Quantitative miRNA Expression Analysis Using Fluidigm Microfluidics Dynamic Arrays. BMC Genomics, 2011, 12, 144.	1.2	104
441	MicroRNA genes preferentially expressed in dendritic cells contain sites for conserved transcription factor binding motifs in their promoters. BMC Genomics, 2011, 12, 330.	1.2	26
442	A genome-wide survey for SNPs altering microRNA seed sites identifies functional candidates in GWAS. BMC Genomics, 2011, 12, 504.	1.2	78
443	miRNAs in human cancer. Journal of Pathology, 2011, 223, 102-115.	2.1	827
444	Functional annotation of risk loci identified through genomeâ€wide association studies for prostate cancer. Prostate, 2011, 71, 955-963.	1.2	25
445	Global identification of miRâ€373â€regulated genes in breast cancer by quantitative proteomics. Proteomics, 2011, 11, 912-920.	1.3	78
446	Combined Characterization of microRNA and mRNA Profiles Delineates Early Differentiation Pathways of CD133+ and CD34+ Hematopoietic Stem and Progenitor Cells. Stem Cells, 2011, 29, 847-857.	1.4	77
447	Genomeâ€wide approaches in the study of microRNA biology. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2011, 3, 491-512.	6.6	26
448	MicroRNAâ€26a is a novel regulator of vascular smooth muscle cell function. Journal of Cellular Physiology, 2011, 226, 1035-1043.	2.0	248
449	Haplotyping of putative microRNAâ€binding sites in the SNAPâ€25 gene. Electrophoresis, 2011, 32, 2013-2020.	1.3	17
450	Strategies for hepatocellular carcinoma therapy and diagnostics: Lessons learned from high throughput and profiling approaches. Hepatology, 2011, 53, 2112-2121.	3.6	49
451	Expression analysis of genes located in the minimally deleted regions of 13q14 and 11q22â€23 in chronic lymphocytic leukemiaâ€"unexpected expression pattern of the RHO GTPase activator ⟨i⟩ARHGAP20⟨/i⟩. Genes Chromosomes and Cancer, 2011, 50, 546-558.	1.5	16
452	MicroRNA-183 family expression in hair cell development and requirement of microRNAs for hair cell maintenance and survival. Developmental Dynamics, 2011, 240, 808-819.	0.8	94
453	Many routes to a micro RNA. IUBMB Life, 2011, 63, 972-978.	1.5	17
454	BMD regulation on mouse distal chromosome 1, candidate genes, and response to ovariectomy or dietary fat. Journal of Bone and Mineral Research, 2011, 26, 88-99.	3.1	18

#	Article	IF	CITATIONS
455	Profiling highly conserved microrna expression in recombinant IgGâ€producing and parental Chinese hamster ovary cells. Biotechnology Progress, 2011, 27, 1163-1171.	1.3	31
456	The Recent Updates of Therapeutic Approaches Against ${\rm Al}^2$ for the Treatment of Alzheimer's Disease. Anatomical Record, 2011, 294, 1307-1318.	0.8	15
457	Tooth evolution and dental defects: From genetic regulation network to microâ€RNA fineâ€tuning. Birth Defects Research Part A: Clinical and Molecular Teratology, 2011, 91, 763-769.	1.6	24
458	Radiation-Induced Micro-RNA Expression Changes in Peripheral Blood Cells of Radiotherapy Patients. International Journal of Radiation Oncology Biology Physics, 2011, 80, 549-557.	0.4	120
459	Amplification and sequencing of mature microRNAs in uncharacterized animal models using stem–loop reverse transcription–polymerase chain reaction. Analytical Biochemistry, 2011, 416, 231-233.	1.1	39
460	Next-generation sequencing of the Chinese hamster ovary microRNA transcriptome: Identification, annotation and profiling of microRNAs as targets for cellular engineering. Journal of Biotechnology, 2011, 153, 62-75.	1.9	102
461	Pulmonary gene and microRNA expression changes in mice exposed to benzo(a)pyrene by oral gavage. Toxicology, 2011, 285, 133-141.	2.0	60
462	Thyroid Hormone Receptor \hat{l}^2 (THRB) Is a Major Target Gene for MicroRNAs Deregulated in Papillary Thyroid Carcinoma (PTC). Journal of Clinical Endocrinology and Metabolism, 2011, 96, E546-E553.	1.8	82
463	MicroRNA-148a is down-regulated in human pancreatic ductal adenocarcinomas and regulates cell survival by targeting CDC25B. Laboratory Investigation, 2011, 91, 1472-1479.	1.7	106
464	Aging and microRNA expression in human skeletal muscle: a microarray and bioinformatics analysis. Physiological Genomics, 2011, 43, 595-603.	1.0	206
465	mirExplorer: Detecting microRNAs from genome and next generation sequencing data using the AdaBoost method with transition probability matrix and combined features. RNA Biology, 2011, 8, 922-934.	1.5	24
466	RepTar: a database of predicted cellular targets of host and viral miRNAs. Nucleic Acids Research, 2011, 39, D188-D194.	6.5	45
467	Advantages of ion-exchange chromatography for oligonucleotide analysis. Bioanalysis, 2011, 3, 1109-1120.	0.6	45
468	Macro-management of microRNAs in cell cycle progression of tumor cells and its implications in anti-cancer therapy. Acta Pharmacologica Sinica, 2011, 32, 1311-1320.	2.8	24
469	Data Integration in Functional Analysis of MicroRNAs. Current Bioinformatics, 2011, 6, 462-472.	0.7	6
470	Hormonal Regulation of Sertoli Cell Micro-RNAs at Spermiation. Endocrinology, 2011, 152, 1670-1683.	1.4	78
471	Toward a Systematic Understanding of mRNA 3' Untranslated Regions. Proceedings of the American Thoracic Society, 2011, 8, 163-166.	3.5	21
472	MicroRNA Expression Profiles of Human Blood Monocyte-derived Dendritic Cells and Macrophages Reveal miR-511 as Putative Positive Regulator of Toll-like Receptor 4. Journal of Biological Chemistry, 2011, 286, 26487-26495.	1.6	121

#	Article	IF	Citations
473	Observation of <i>miRNA </i> Gene Expression in Zebrafish Embryos by <i>In Situ </i> Hybridization to MicroRNA Primary Transcripts. Zebrafish, 2011, 8, 1-8.	0.5	37
474	MicroRNA programs in normal and aberrant stem and progenitor cells. Genome Research, 2011, 21, 798-810.	2.4	61
475	OnionTree XML: A Format to Exchange Gene-Related Probabilities. Journal of Biomolecular Structure and Dynamics, 2011, 29, 417-423.	2.0	0
476	miR-124a is required for hippocampal axogenesis and retinal cone survival through Lhx2 suppression. Nature Neuroscience, 2011, 14, 1125-1134.	7.1	252
477	MicroRNAs in skeletal myogenesis. Cell Cycle, 2011, 10, 441-448.	1.3	137
478	miR-29b is activated during neuronal maturation and targets BH3-only genes to restrict apoptosis. Genes and Development, 2011, 25, 125-130.	2.7	196
479	Epigenetic regulation of normal human mammary cell type–specific miRNAs. Genome Research, 2011, 21, 2026-2037.	2.4	68
480	Toxicological Implications of Modulation of Gene Expression by MicroRNAs. Toxicological Sciences, 2011, 123, 1-14.	1.4	74
481	The MyomiR Network in Skeletal Muscle Plasticity. Exercise and Sport Sciences Reviews, 2011, 39, 150-154.	1.6	145
482	Selective MicroRNA Suppression in Human Thoracic Aneurysms. Circulation: Cardiovascular Genetics, 2011, 4, 605-613.	5.1	107
483	DroID 2011: a comprehensive, integrated resource for protein, transcription factor, RNA and gene interactions for Drosophila. Nucleic Acids Research, 2011, 39, D736-D743.	6.5	180
484	Identification of miR-193b Targets in Breast Cancer Cells and Systems Biological Analysis of Their Functional Impact. Molecular and Cellular Proteomics, 2011, 10, M110.005322.	2.5	60
485	miR-143 and miR-145. Circulation: Cardiovascular Genetics, 2011, 4, 197-205.	5.1	189
486	Roles for microRNAs in the regulation of cell adhesion molecules. Journal of Cell Science, 2011, 124, 999-1006.	1.2	95
487	A Comprehensive Expression Profile of MicroRNAs in Porcine Pituitary. PLoS ONE, 2011, 6, e24883.	1.1	22
488	MiR-29a Inhibits Cell Proliferation and Induces Cell Cycle Arrest through the Downregulation of p42.3 in Human Gastric Cancer. PLoS ONE, 2011, 6, e25872.	1.1	88
489	A CHOP-regulated microRNA controls rhodopsin expression. Journal of Cell Biology, 2011, 192, 919-927.	2.3	108
490	Green tea polyphenol EGCG suppresses lung cancer cell growth through upregulating miR-210 expression caused by stabilizing HIF-1Â. Carcinogenesis, 2011, 32, 1881-1889.	1.3	237

#	Article	IF	CITATIONS
491	The Unfolded Protein Response (UPR)-activated Transcription Factor X-box-binding Protein 1 (XBP1) Induces MicroRNA-346 Expression That Targets the Human Antigen Peptide Transporter 1 (TAP1) mRNA and Governs Immune Regulatory Genes. Journal of Biological Chemistry, 2011, 286, 41862-41870.	1.6	134
492	Micromanaging aging with miRNAs. Nucleus, 2011, 2, 549-555.	0.6	35
493	Inferring causative variants in microRNA target sites. Nucleic Acids Research, 2011, 39, e109-e109.	6.5	64
494	DIANA-microT Web server upgrade supports Fly and Worm miRNA target prediction and bibliographic miRNA to disease association. Nucleic Acids Research, 2011, 39, W145-W148.	6.5	142
495	The sufficient minimal set of miRNA seed types. Bioinformatics, 2011, 27, 1346-1350.	1.8	110
496	miRNAs in lung cancer: large roles for small players. Future Oncology, 2011, 7, 1045-1055.	1.1	33
497	miR-200 Inhibits Lung Adenocarcinoma Cell Invasion and Metastasis by Targeting <i>Flt1/VEGFR1</i> Molecular Cancer Research, 2011, 9, 25-35.	1.5	166
498	miR-335 and miR-34a Promote Renal Senescence by Suppressing Mitochondrial Antioxidative Enzymes. Journal of the American Society of Nephrology: JASN, 2011, 22, 1252-1261.	3.0	197
499	Species-specific microRNA roles elucidated following astrocyte activation. Nucleic Acids Research, 2011, 39, 3710-3723.	6.5	73
500	Polymicrobial Infection with Periodontal Pathogens Specifically Enhances MicroRNA miR-146a in ApoE ^{â^'/â^'} Mice during Experimental Periodontal Disease. Infection and Immunity, 2011, 79, 1597-1605.	1.0	102
501	Nuclear and cytoplasmic localization of neural stem cell microRNAs. Rna, 2011, 17, 675-686.	1.6	105
502	miRvestigator: web application to identify miRNAs responsible for co-regulated gene expression patterns discovered through transcriptome profiling. Nucleic Acids Research, 2011, 39, W125-W131.	6.5	26
503	MicroRNA Gene Dosage Alterations and Drug Response in Lung Cancer. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-15.	3.0	12
504	MicroRNA fate upon targeting with anti-miRNA oligonucleotides as revealed by an improved Northern-blot-based method for miRNA detection. Rna, 2011, 17, 933-943.	1.6	86
505	Chromatoid body and small RNAs in male germ cells. Reproduction, 2011, 142, 195-209.	1.1	141
506	A wide repertoire of miRNA binding sites: prediction and functional implications. Bioinformatics, 2011, 27, 3093-3101.	1.8	28
507	Ultraconserved cDNA segments in the human transcriptome exhibit resistance to folding and implicate function in translation and alternative splicing. Nucleic Acids Research, 2011, 39, 1967-1979.	6.5	21
508	A highly conserved protein of unknown function in Sinorhizobium meliloti affects sRNA regulation similar to Hfq. Nucleic Acids Research, 2011, 39, 4691-4708.	6.5	67

#	Article	IF	CITATIONS
509	TT2NE: a novel algorithm to predict RNA secondary structures with pseudoknots. Nucleic Acids Research, 2011, 39, e93-e93.	6.5	32
510	Regulation of angiogenesis and choroidal neovascularization by members of microRNA-23â^1/427â^1/424 clusters. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8287-8292.	3.3	307
511	Genome-wide impact of a recently expanded microRNA cluster in mouse. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15804-15809.	3.3	45
512	ConTra v2: a tool to identify transcription factor binding sites across species, update 2011. Nucleic Acids Research, 2011, 39, W74-W78.	6.5	55
513	Functional MicroRNA Involved in Endometriosis. Molecular Endocrinology, 2011, 25, 821-832.	3.7	220
514	RISC RNA Sequencing for Context-Specific Identification of In Vivo MicroRNA Targets. Circulation Research, 2011, 108, 18-26.	2.0	99
515	MicroRNA-423 promotes cell growth and regulates G 1 /S transition by targeting p21Cip1/Waf1 in hepatocellular carcinoma. Carcinogenesis, 2011, 32, 1641-1647.	1.3	107
516	myMIR: a genome-wide microRNA targets identification and annotation tool. Briefings in Bioinformatics, 2011, 12, 588-600.	3.2	23
517	A Lasso regression model for the construction of microRNA-target regulatory networks. Bioinformatics, 2011, 27, 2406-2413.	1.8	110
518	microRNAs in the Regulation of Adipogenesis and Obesity. Current Molecular Medicine, 2011, 11, 304-316.		
	The lock was in the Regulation of Adipogenesis and Obesity. Current Molecular Medicine, 2011, 11, 304 310.	0.6	235
519	Abnormal MicroRNA Expression in Ts65Dn Hippocampus and Whole Blood: Contributions to Down Syndrome Phenotypes. Developmental Neuroscience, 2011, 33, 451-467.	1.0	235
519 520	Abnormal MicroRNA Expression in Ts65Dn Hippocampus and Whole Blood: Contributions to Down		
	Abnormal MicroRNA Expression in Ts65Dn Hippocampus and Whole Blood: Contributions to Down Syndrome Phenotypes. Developmental Neuroscience, 2011, 33, 451-467. Impaired MicroRNA Processing Facilitates Breast Cancer Cell Invasion by Upregulating Urokinase-Type	1.0	44
520	Abnormal MicroRNA Expression in Ts65Dn Hippocampus and Whole Blood: Contributions to Down Syndrome Phenotypes. Developmental Neuroscience, 2011, 33, 451-467. Impaired MicroRNA Processing Facilitates Breast Cancer Cell Invasion by Upregulating Urokinase-Type Plasminogen Activator Expression. Genes and Cancer, 2011, 2, 140-150. Cooperative control of tumor suppressor genes by a network of oncogenic microRNAs. Cell Cycle,	0.6	44
520 521	Abnormal MicroRNA Expression in Ts65Dn Hippocampus and Whole Blood: Contributions to Down Syndrome Phenotypes. Developmental Neuroscience, 2011, 33, 451-467. Impaired MicroRNA Processing Facilitates Breast Cancer Cell Invasion by Upregulating Urokinase-Type Plasminogen Activator Expression. Genes and Cancer, 2011, 2, 140-150. Cooperative control of tumor suppressor genes by a network of oncogenic microRNAs. Cell Cycle, 2011, 10, 2845-2849. Next-Generation Sequencing Reveals HIV-1-Mediated Suppression of T Cell Activation and RNA Processing and Regulation of Noncoding RNA Expression in a CD4 ⁺ T Cell Line. MBio, 2011,	1.0 0.6 1.3	44 44 30
520 521 522	Abnormal MicroRNA Expression in Ts65Dn Hippocampus and Whole Blood: Contributions to Down Syndrome Phenotypes. Developmental Neuroscience, 2011, 33, 451-467. Impaired MicroRNA Processing Facilitates Breast Cancer Cell Invasion by Upregulating Urokinase-Type Plasminogen Activator Expression. Genes and Cancer, 2011, 2, 140-150. Cooperative control of tumor suppressor genes by a network of oncogenic microRNAs. Cell Cycle, 2011, 10, 2845-2849. Next-Generation Sequencing Reveals HIV-1-Mediated Suppression of T Cell Activation and RNA Processing and Regulation of Noncoding RNA Expression in a CD4 ⁺ T Cell Line. MBio, 2011, 2, . Argonaute protein identity and pairing geometry determine cooperativity in mammalian RNA silencing.	1.0 0.6 1.3	44 44 30 67
520 521 522 523	Abnormal MicroRNA Expression in Ts65Dn Hippocampus and Whole Blood: Contributions to Down Syndrome Phenotypes. Developmental Neuroscience, 2011, 33, 451-467. Impaired MicroRNA Processing Facilitates Breast Cancer Cell Invasion by Upregulating Urokinase-Type Plasminogen Activator Expression. Genes and Cancer, 2011, 2, 140-150. Cooperative control of tumor suppressor genes by a network of oncogenic microRNAs. Cell Cycle, 2011, 10, 2845-2849. Next-Generation Sequencing Reveals HIV-1-Mediated Suppression of T Cell Activation and RNA Processing and Regulation of Noncoding RNA Expression in a CD4 ⁺ T Cell Line. MBio, 2011, 2, . Argonaute protein identity and pairing geometry determine cooperativity in mammalian RNA silencing. Rna, 2011, 17, 1858-1869. MicroRNA <i>let-7 </i> i establishes expression of β ₂ -adrenergic receptors and dynamically down-regulates agonist-promoted down-regulation. Proceedings of the National Academy of Sciences	1.0 0.6 1.3 1.8	44 44 30 67 110

#	ARTICLE	IF	CITATIONS
527	Elevated CO2 Levels Cause Mitochondrial Dysfunction and Impair Cell Proliferation. Journal of Biological Chemistry, 2011, 286, 37067-37076.	1.6	145
528	Sponge Transgenic Mouse Model Reveals Important Roles for the MicroRNA-183 (miR-183)/96/182 Cluster in Postmitotic Photoreceptors of the Retina. Journal of Biological Chemistry, 2011, 286, 31749-31760.	1.6	111
529	MicroRNA-31 Regulated by the Extracellular Regulated Kinase Is Involved in Vascular Smooth Muscle Cell Growth via Large Tumor Suppressor Homolog 2. Journal of Biological Chemistry, 2011, 286, 42371-42380.	1.6	82
530	Retinoic Acid-inducible Gene I-inducible miR-23b Inhibits Infections by Minor Group Rhinoviruses through Down-regulation of the Very Low Density Lipoprotein Receptor. Journal of Biological Chemistry, 2011, 286, 26210-26219.	1.6	45
531	Prioritizing Candidate Disease miRNAs by Topological Features in the miRNA Target–Dysregulated Network: Case Study of Prostate Cancer. Molecular Cancer Therapeutics, 2011, 10, 1857-1866.	1.9	216
532	Promise and Challenge of RNA Interference–Based Therapy for Cancer. Journal of Clinical Oncology, 2011, 29, 747-754.	0.8	119
533	Genomic Analyses of the RNA-binding Protein Hu Antigen R (HuR) Identify a Complex Network of Target Genes and Novel Characteristics of Its Binding Sites. Journal of Biological Chemistry, 2011, 286, 37063-37066.	1.6	68
534	Two-tiered Approach Identifies a Network of Cancer and Liver Disease-related Genes Regulated by miR-122. Journal of Biological Chemistry, 2011, 286, 18066-18078.	1.6	54
535	Human miR-1271 is a miR-96 paralog with distinct non-conserved brain expression pattern. Nucleic Acids Research, 2011, 39, 701-711.	6.5	37
536	Structural basis of microRNA length variety. Nucleic Acids Research, 2011, 39, 257-268.	6.5	159
537	microRNA-210 is upregulated in hypoxic cardiomyocytes through Akt- and p53-dependent pathways and exerts cytoprotective effects. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1519-H1530.	1.5	153
538	Regulation of Heme Oxygenase-1 Protein Expression by miR-377 in Combination with miR-217. Journal of Biological Chemistry, 2011, 286, 3194-3202.	1.6	76
539	Systematic Analysis of MicroRNAs Targeting the Androgen Receptor in Prostate Cancer Cells. Cancer Research, 2011, 71, 1956-1967.	0.4	244
540	Cis -regulation of microRNA expression by scaffold/matrix-attachment regions. Nucleic Acids Research, 2011, 39, 6908-6918.	6.5	22
541	Roles for Dicer1 in the patterning and differentiation of the optic cup neuroepithelium. Development (Cambridge), 2011, 138, 127-138.	1.2	52
542	MicroRNAs in Development and Disease. Physiological Reviews, 2011, 91, 827-887.	13.1	959
543	mirConnX: condition-specific mRNA-microRNA network integrator. Nucleic Acids Research, 2011, 39, W416-W423.	6.5	109
544	Use of target protector morpholinos to analyze the physiological roles of specific miRNA-mRNA pairs in vivo. Nature Protocols, 2011, 6, 2035-2049.	5.5	79

#	Article	IF	CITATIONS
545	Functional Homogeneity in microRNA Target Heterogeneityâ€"a New Sight into Human microRNomics. OMICS A Journal of Integrative Biology, 2011, 15, 25-35.	1.0	10
546	Mini ways to stop a virus: microRNAs and HIV-1 replication. Future Virology, 2011, 6, 209-221.	0.9	23
547	Computational prediction of eukaryotic phosphorylation sites. Bioinformatics, 2011, 27, 2927-2935.	1.8	145
548	Genome-wide Characterization of miR-34a Induced Changes in Protein and mRNA Expression by a Combined Pulsed SILAC and Microarray Analysis. Molecular and Cellular Proteomics, 2011, 10, M111.010462.	2.5	181
549	Negative feedback regulation between microRNA let-7g and the oxLDL receptor LOX-1. Journal of Cell Science, 2011, 124, 4115-4124.	1.2	85
550	A Developmental Taxonomy of Glioblastoma Defined and Maintained by MicroRNAs. Cancer Research, 2011, 71, 3387-3399.	0.4	183
551	Chromosome 1p21.3 microdeletions comprising DPYD and MIR137 are associated with intellectual disability. Journal of Medical Genetics, 2011, 48, 810-818.	1.5	146
552	Widespread regulatory activity of vertebrate microRNA* species. Rna, 2011, 17, 312-326.	1.6	293
553	The oncogenic RNA-binding protein Musashi1 is regulated by tumor suppressor miRNAs. RNA Biology, 2011, 8, 817-828.	1.5	64
554	MicroRNAs in Metabolism and Metabolic Diseases. Cold Spring Harbor Symposia on Quantitative Biology, 2011, 76, 225-233.	2.0	107
555	Characterization of the genomic structure and function of regions influencing renin and angiogenesis in the SS rat. Physiological Genomics, 2011, 43, 808-817.	1.0	8
556	MicroRNA Expression and Regulation in Human, Chimpanzee, and Macaque Brains. PLoS Genetics, 2011, 7, e1002327.	1.5	126
557	Inference of Gene Regulation via miRNAs During ES Cell Differentiation Using MiRaGE Method. International Journal of Molecular Sciences, 2011, 12, 9265-9276.	1.8	14
558	Quantitative Prediction of miRNA-mRNA Interaction Based on Equilibrium Concentrations. PLoS Computational Biology, 2011, 7, e1001090.	1.5	72
559	Gene Regulation in Giardia lambia Involves a Putative MicroRNA Derived from a Small Nucleolar RNA. PLoS Neglected Tropical Diseases, 2011, 5, e1338.	1.3	43
560	mRNA isoform diversity can obscure detection of miRNA-mediated control of translation. Rna, 2011, 17, 1025-1031.	1.6	23
561	Temporal expression of miRNAs and mRNAs in a mouse model of myocardial infarction. Physiological Genomics, 2011, 43, 1087-1095.	1.0	37
562	Activation of a microRNA response in trans reveals a new role for poly(A) in translational repression. Nucleic Acids Research, 2011, 39, 5215-5231.	6.5	29

#	Article	IF	CITATIONS
563	Capture of MicroRNA–Bound mRNAs Identifies the Tumor Suppressor miR-34a as a Regulator of Growth Factor Signaling. PLoS Genetics, 2011, 7, e1002363.	1.5	222
564	A Latent Pro-Survival Function for the Mir-290-295 Cluster in Mouse Embryonic Stem Cells. PLoS Genetics, 2011, 7, e1002054.	1.5	110
565	miRGator v2.0: an integrated system for functional investigation of microRNAs. Nucleic Acids Research, 2011, 39, D158-D162.	6.5	50
566	Unusually effective microRNA targeting within repeat-rich coding regions of mammalian mRNAs. Genome Research, 2011, 21, 1395-1403.	2.4	123
567	Construction and Analysis of an Integrated Regulatory Network Derived from High-Throughput Sequencing Data. PLoS Computational Biology, 2011, 7, e1002190.	1.5	92
568	Design of small molecule-responsive microRNAs based on structural requirements for Drosha processing. Nucleic Acids Research, 2011, 39, 2981-2994.	6.5	130
569	Expression of Mirlet7 Family MicroRNAs in Response to Retinoic Acid-Induced Spermatogonial Differentiation in Mice1. Biology of Reproduction, 2011, 85, 189-197.	1.2	100
570	Dose-dependent differential mRNA target selection and regulation by let-7a-7f and miR-17-92 cluster microRNAs. RNA Biology, 2012, 9, 1275-1287.	1.5	73
571	Neurophysiological Defects and Neuronal Gene Deregulation in Drosophila mir-124 Mutants. PLoS Genetics, 2012, 8, e1002515.	1.5	48
572	Identification of microRNAs that Mediate Thyroid Cell Growth Induced by TSH. Molecular Endocrinology, 2012, 26, 493-501.	3.7	22
573	Chronic ethanol feeding enhances miR-21 induction during liver regeneration while inhibiting proliferation in rats. American Journal of Physiology - Renal Physiology, 2012, 303, G733-G743.	1.6	50
574	EBV and human microRNAs co-target oncogenic and apoptotic viral and human genes during latency. EMBO Journal, 2012, 31, 2207-2221.	3.5	268
575	Identification of Urinary microRNA Profiles in Rats That May Diagnose Hepatotoxicity. Toxicological Sciences, 2012, 125, 335-344.	1.4	91
576	ACVR1, a Therapeutic Target of Fibrodysplasia Ossificans Progressiva, Is Negatively Regulated by miR-148a. International Journal of Molecular Sciences, 2012, 13, 2063-2077.	1.8	36
577	MicroRNA expression profiling of human islets from individuals with and without TypeÂ2 diabetes: promises and pitfalls. Biochemical Society Transactions, 2012, 40, 800-803.	1.6	10
578	Evidence for Positive Selection on a Number of MicroRNA Regulatory Interactions during Recent Human Evolution. PLoS Genetics, 2012, 8, e1002578.	1.5	63
579	The Viral and Cellular MicroRNA Targetome in Lymphoblastoid Cell Lines. PLoS Pathogens, 2012, 8, e1002484.	2.1	321
580	A Role for microRNA-155 Modulation in the Anti-HIV-1 Effects of Toll-Like Receptor 3 Stimulation in Macrophages. PLoS Pathogens, 2012, 8, e1002937.	2.1	107

#	Article	IF	Citations
581	Extent, Causes, and Consequences of Small RNA Expression Variation in Human Adipose Tissue. PLoS Genetics, 2012, 8, e1002704.	1.5	48
582	Non-Coding RNAs in Retinal Development. International Journal of Molecular Sciences, 2012, 13, 558-578.	1.8	32
583	A miRNA-regulatory network explains how dysregulated miRNAs perturb oncogenic processes across diverse cancers. Genome Research, 2012, 22, 2302-2314.	2.4	184
584	Extracellular small RNAs: what, where, why?. Biochemical Society Transactions, 2012, 40, 886-890.	1.6	77
585	MicroRNAs, Hepatitis C Virus, and HCV/HIV-1 Co-Infection: New Insights in Pathogenesis and Therapy. Viruses, 2012, 4, 2485-2513.	1.5	33
586	Novel Modeling of Combinatorial miRNA Targeting Identifies SNP with Potential Role in Bone Density. PLoS Computational Biology, 2012, 8, e1002830.	1.5	38
587	The Contribution of RNA Decay Quantitative Trait Loci to Inter-Individual Variation in Steady-State Gene Expression Levels. PLoS Genetics, 2012, 8, e1003000.	1.5	104
588	Holding Our Breath: The Emerging and Anticipated Roles of microRNA in Pulmonary Hypertension. Pulmonary Circulation, 2012, 2, 278-290.	0.8	53
589	Early Mechanisms of Pathobiology Are Revealed by Transcriptional Temporal Dynamics in Hippocampal CA1 Neurons of Prion Infected Mice. PLoS Pathogens, 2012, 8, e1003002.	2.1	105
590	miR-200c regulates FGFR-dependent epithelial proliferation via Vldlr during submandibular gland branching morphogenesis. Development (Cambridge), 2012, 139, 191-202.	1.2	52
591	Synthetic miR-34a Mimics as a Novel Therapeutic Agent for Multiple Myeloma: <i>In Vitro</i> vivo Evidence. Clinical Cancer Research, 2012, 18, 6260-6270.	3. 2	213
592	Regulation of multiple target genes by miR-1 and miR-206 is pivotal for C2C12 myoblast differentiation. Journal of Cell Science, 2012, 125, 3590-3600.	1.2	117
593	Marked differences in neurochemistry and aggregates despite similar behavioural and neuropathological features of Huntington disease in the full-length BACHD and YAC128 mice. Human Molecular Genetics, 2012, 21, 2219-2232.	1.4	122
594	MicroRNA-29a Inhibited Epididymal Epithelial Cell Proliferation by Targeting Nuclear Autoantigenic Sperm Protein (NASP)*. Journal of Biological Chemistry, 2012, 287, 10189-10199.	1.6	34
595	microRNA-92a expression in the sera and dermal fibroblasts increases in patients with scleroderma. Rheumatology, 2012, 51, 1550-1556.	0.9	97
596	Amplified microRNA detection by templated chemistry. Nucleic Acids Research, 2012, 40, e65-e65.	6.5	110
597	A microRNA network regulates expression and biosynthesis of wild-type and Î"F508 mutant cystic fibrosis transmembrane conductance regulator. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13362-13367.	3.3	111
598	TGF-β–Mediated Downregulation of MicroRNA-196a Contributes to the Constitutive Upregulated Type I Collagen Expression in Scleroderma Dermal Fibroblasts. Journal of Immunology, 2012, 188, 3323-3331.	0.4	138

#	Article	IF	Citations
599	Superficial spreading and nodular melanoma are distinct biological entities. Melanoma Research, 2012, 22, 1-8.	0.6	73
600	Causes and Consequences of MicroRNA Dysregulation. Cancer Journal (Sudbury, Mass), 2012, 18, 215-222.	1.0	260
601	miR-221/222 promote Schwann cell proliferation and migration by targeting LASS2 following sciatic nerve injury. Journal of Cell Science, 2012, 125, 2675-83.	1.2	101
602	Prioritizing cancer-related key miRNA–target interactions by integrative genomics. Nucleic Acids Research, 2012, 40, 7653-7665.	6.5	30
603	The role of miRNAs in complex formation and control. Bioinformatics, 2012, 28, 453-456.	1.8	15
604	Expression of MicroRNAs in the NCI-60 Cancer Cell-Lines. PLoS ONE, 2012, 7, e49918.	1.1	19
605	Inferring the regulatory network behind a gene expression experiment. Nucleic Acids Research, 2012, 40, W168-W172.	6.5	10
606	An Ancestral miR-1304 Allele Present in Neanderthals Regulates Genes Involved in Enamel Formation and Could Explain Dental Differences with Modern Humans. Molecular Biology and Evolution, 2012, 29, 1797-1806.	3.5	29
607	Extensive alternative polyadenylation during zebrafish development. Genome Research, 2012, 22, 2054-2066.	2.4	305
608	MiR-365 regulates lung cancer and developmental gene thyroid transcription factor 1. Cell Cycle, 2012, 11, 177-186.	1.3	74
609	Revealing miRNA Regulation and miRNA Target Prediction Using Constraint-Based Learning. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1354-1364.	3.3	0
610	XenomiRs and miRNA homeostasis in health and disease. RNA Biology, 2012, 9, 1147-1154.	1.5	104
611	Post-developmental microRNA expression is required for normal physiology, and regulates aging in parallel to insulin/IGF-1 signaling in <i>C. elegans</i> . Rna, 2012, 18, 2220-2235.	1.6	48
612	Poly(ADP-ribose) regulates post-transcriptional gene regulation in the cytoplasm. RNA Biology, 2012, 9, 542-548.	1.5	60
613	Accessibility and conservation: General features of bacterial small RNA–mRNA interactions?. RNA Biology, 2012, 9, 954-965.	1.5	56
614	PolymiRTS Database 2.0: linking polymorphisms in microRNA target sites with human diseases and complex traits. Nucleic Acids Research, 2012, 40, D216-D221.	6.5	116
615	Do we eat gene regulators?. Communicative and Integrative Biology, 2012, 5, 230-232.	0.6	3
616	The microRNA pathway controls germ cell proliferation and differentiation in C. elegans. Cell Research, 2012, 22, 1034-1045.	5.7	56

#	Article	IF	Citations
617	Analysis of microRNA expression in organ of Corti in neonatal and adult rats. Journal of Otology, 2012, 7, 4-8.	0.4	0
618	Expression Analysis in Multiple Muscle Groups and Serum Reveals Complexity in the MicroRNA Transcriptome of the mdx Mouse with Implications for Therapy. Molecular Therapy - Nucleic Acids, 2012, 1, e39.	2.3	127
619	MicroRNA-132 dysregulation in schizophrenia has implications for both neurodevelopment and adult brain function. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3125-3130.	3.3	277
620	Dynamic Modeling of miRNA-mediated Feed-Forward Loops. Journal of Computational Biology, 2012, 19, 188-199.	0.8	8
621	Integrating multi-platform genomic data using hierarchical Bayesian relevance vector machines. , 2012, , .		0
622	miR-1 and miR-206 regulate angiogenesis by modulating VegfA expression in zebrafish. Development (Cambridge), 2012, 139, 4356-4365.	1.2	97
623	Dynamic miRNA-TF-mRNA circuits in mouse lung development. , 2012, , .		0
624	Abnormal miR-148b Expression Promotes Aberrant Glycosylation of IgA1 in IgA Nephropathy. Journal of the American Society of Nephrology: JASN, 2012, 23, 814-824.	3.0	176
625	Novel and Alternative Bioinformatics Approaches to Understand miRNA-mRNA Interactome in Cancer Research., 2012,, 267-288.		0
626	MiR-126 Acts as a Tumor Suppressor in Pancreatic Cancer Cells via the Regulation of ADAM9. Molecular Cancer Research, 2012, 10, 3-10.	1.5	141
627	DNA Double-Strand Break Repair by Non-homologous End Joining and Its Clinical Relevance. , 2012, , 161-189.		2
628	Keratinization-associated miR-7 and miR-21 Regulate Tumor Suppressor Reversion-inducing Cysteine-rich Protein with Kazal Motifs (RECK) in Oral Cancer. Journal of Biological Chemistry, 2012, 287, 29261-29272.	1.6	82
629	Circulating microRNAs: macro-utility as markers of prostate cancer?. Endocrine-Related Cancer, 2012, 19, R99-R113.	1.6	40
630	MiR-30e and miR-181d control Radial Glia cell proliferation via HtrA1 modulation. Cell Death and Disease, 2012, 3, e360-e360.	2.7	44
631	miRDeep2 accurately identifies known and hundreds of novel microRNA genes in seven animal clades. Nucleic Acids Research, 2012, 40, 37-52.	6.5	2,624
632	miR-196b directly targets both HOXA9/MEIS1 oncogenes and FAS tumour suppressor in MLL-rearranged leukaemia. Nature Communications, 2012, 3, 688.	5.8	138
633	Imprinted DLK1-DIO3 region of 14q32 defines a schizophrenia-associated miRNA signature in peripheral blood mononuclear cells. Molecular Psychiatry, 2012, 17, 827-840.	4.1	210
634	Identifying Functional MicroRNAs in Macrophages with Polarized Phenotypes. Journal of Biological Chemistry, 2012, 287, 21816-21825.	1.6	337

#	Article	IF	Citations
635	MicroRNAs in the Pineal Gland. Journal of Biological Chemistry, 2012, 287, 25312-25324.	1.6	71
636	Combined Analysis of MicroRNome and 3′-UTRome Reveals a Species-specific Regulation of Progesterone Receptor Expression in the Endometrium of Rhesus Monkey*. Journal of Biological Chemistry, 2012, 287, 13899-13910.	1.6	34
637	Reduced DICER1 Elicits an Interferon Response in Endometrial Cancer Cells. Molecular Cancer Research, 2012, 10, 316-325.	1.5	15
638	MicroRNAs 125a and 455 Repress Lipoprotein-Supported Steroidogenesis by Targeting Scavenger Receptor Class B Type I in Steroidogenic Cells. Molecular and Cellular Biology, 2012, 32, 5035-5045.	1.1	102
639	Two miRNA Clusters, Mir-17-92 (Mirc1) and Mir-106b-25 (Mirc3), Are Involved in the Regulation of Spermatogonial Differentiation in Mice1. Biology of Reproduction, 2012, 86, 72.	1,2	152
640	Pumilio facilitates miRNA regulation of the E2F3 oncogene. Genes and Development, 2012, 26, 356-368.	2.7	140
641	MicroRNA-125b Down-regulates Matrix Metallopeptidase 13 and Inhibits Cutaneous Squamous Cell Carcinoma Cell Proliferation, Migration, and Invasion. Journal of Biological Chemistry, 2012, 287, 29899-29908.	1.6	161
642	miRcode: a map of putative microRNA target sites in the long non-coding transcriptome. Bioinformatics, 2012, 28, 2062-2063.	1.8	634
643	SplicerEX: A tool for the automated detection and classification of mRNA changes from conventional and splice-sensitive microarray expression data. Rna, 2012, 18, 1435-1445.	1.6	2
644	Transcription Factors Are Targeted by Differentially Expressed miRNAs in Primates. Genome Biology and Evolution, 2012, 4, 552-564.	1.1	30
645	MicroRNAs in Amoebozoa: Deep sequencing of the small RNA population in the social amoeba <i>Dictyostelium discoideum</i> reveals developmentally regulated microRNAs. Rna, 2012, 18, 1771-1782.	1.6	42
646	The diversity of sex steroid action: the role of micro-RNAs and FOXO transcription factors in cycling endometrium and cancer. Journal of Endocrinology, 2012, 212, 13-25.	1.2	54
647	On the Immense Variety and Complexity of Circumstances Conditioning Pancreatic \hat{l}^2 -Cell Apoptosis in Type 1 Diabetes. Diabetes, 2012, 61, 1661-1663.	0.3	21
648	How Can Microarrays Unlock Asthma?. Journal of Allergy, 2012, 2012, 1-15.	0.7	6
649	MicroRNAs Associated with Mitogen-Activated Protein Kinase in Human Pancreatic Cancer. Molecular Cancer Research, 2012, 10, 259-269.	1.5	64
650	Involvement of miRNAs in ovarian follicular and luteal development. Journal of Endocrinology, 2012, 215, 323-334.	1.2	164
651	MicroRNAs in Vascular Biology. International Journal of Vascular Medicine, 2012, 2012, 1-13.	0.4	54
652	miRmap: Comprehensive prediction of microRNA target repression strength. Nucleic Acids Research, 2012, 40, 11673-11683.	6.5	322

#	Article	IF	CITATIONS
653	CellBase, a comprehensive collection of RESTful web services for retrieving relevant biological information from heterogeneous sources. Nucleic Acids Research, 2012, 40, W609-W614.	6.5	31
654	MicroRNA Regulation of Cholesterol Metabolism. Cholesterol, 2012, 2012, 1-8.	1.6	63
655	Evolution of the human-specific microRNA miR-941. Nature Communications, 2012, 3, 1145.	5.8	103
656	Micromanaging Iron Homeostasis. Journal of Biological Chemistry, 2012, 287, 34110-34119.	1.6	70
657	Regulation of Cyclin T1 and HIV-1 Replication by MicroRNAs in Resting CD4 ⁺ T Lymphocytes. Journal of Virology, 2012, 86, 3244-3252.	1.5	153
658	MicroRNA Expression Is Down-Regulated and Reorganized in Prefrontal Cortex of Depressed Suicide Subjects. PLoS ONE, 2012, 7, e33201.	1.1	278
659	Lengthening of $3\hat{a}\in^2$ UTR increases with morphological complexity in animal evolution. Bioinformatics, 2012, 28, 3178-3181.	1.8	45
660	Advantages of genomic complexity: bioinformatics opportunities in microRNA cancer signatures: Figure 1. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 156-160.	2.2	26
661	Genomic Sequence Analysis of EGFR Regulation by MicroRNAs in Lung Cancer. Current Topics in Medicinal Chemistry, 2012, 12, 920-926.	1.0	41
662	Battle of the midgets. RNA Biology, 2012, 9, 792-798.	1.5	19
663	MicroRNA miR-548d Is a Superior Regulator in Pancreatic Cancer. Pancreas, 2012, 41, 218-221.	0.5	24
664	Promises and Challenges of MicroRNA-based Treatment of Multiple Myeloma. Current Cancer Drug Targets, 2012, 12, 838-846.	0.8	84
665	The role and regulation of microRNAs in asthma. Current Opinion in Allergy and Clinical Immunology, 2012, 12, 49-52.	1.1	30
666	The role of microRNAs in HIV-1 pathogenesis and therapy. Aids, 2012, 26, 1325-1334.	1.0	34
667	Upregulation of Proapoptotic MicroRNA mir-125a After Massive Small Bowel Resection in Rats. Annals of Surgery, 2012, 255, 747-753.	2.1	18
668	Global microRNA level regulation of EGFRâ€driven cell ycle protein network in breast cancer. Molecular Systems Biology, 2012, 8, 570.	3.2	184
669	Accurate microRNA Target Prediction Using Detailed Binding Site Accessibility and Machine Learning on Proteomics Data. Frontiers in Genetics, 2012, 2, 103.	1.1	31
670	miR-125b Targets ARID3B in Breast Cancer Cells. Cell Structure and Function, 2012, 37, 27-38.	0.5	44

#	Article	IF	CITATIONS
671	Computational methods for ab initio detection of microRNAs. Frontiers in Genetics, 2012, 3, 209.	1.1	32
672	Genome-Wide Maps of Circulating miRNA Biomarkers for Ulcerative Colitis. PLoS ONE, 2012, 7, e31241.	1.1	95
673	Dynamic Roles of microRNAs in Neurogenesis. Frontiers in Neuroscience, 2012, 6, 71.	1.4	75
674	In Vitro and Ex Vivo Delivery of Short Hairpin RNAs for Control of Hepatitis C Viral Transcript Expression. Archives of Surgery, 2012, 147, 384.	2.3	4
675	Argonaute Divides Its RNA Guide into Domains with Distinct Functions and RNA-Binding Properties. Cell, 2012, 151, 1055-1067.	13.5	347
676	MiRNA expression analysis of cancer-associated fibroblasts and normal fibroblasts in breast cancer. International Journal of Biochemistry and Cell Biology, 2012, 44, 2051-2059.	1.2	108
677	MicroRNAs, wild-type and mutant p53: More questions than answers. RNA Biology, 2012, 9, 781-791.	1.5	46
678	From specific to global analysis of posttranscriptional regulation in eukaryotes: posttranscriptional regulatory networks. Briefings in Functional Genomics, 2012, 11, 505-521.	1.3	16
679	Exploiting <scp>microRNA</scp> regulation for genetic engineering. Tissue Antigens, 2012, 80, 393-403.	1.0	30
680	Proton radiation-induced miRNA signatures in mouse blood: Characterization and comparison with ⁵⁶ Fe-ion and gamma radiation. International Journal of Radiation Biology, 2012, 88, 531-539.	1.0	16
681	MiR-10b Downregulates the Stress-Induced Cell Surface Molecule MICB, a Critical Ligand for Cancer Cell Recognition by Natural Killer Cells. Cancer Research, 2012, 72, 5463-5472.	0.4	110
682	A miR Image of Stem Cells and Their Lineages. Current Topics in Developmental Biology, 2012, 99, 175-199.	1.0	16
683	Identification of retinoblastoma related genes with shortest path in a protein–protein interaction network. Biochimie, 2012, 94, 1910-1917.	1.3	28
684	A new microRNA target prediction tool identifies a novel interaction of a putative miRNA with CCND2. RNA Biology, 2012, 9, 1196-1207.	1.5	22
685	Identification of micro <scp>RNA</scp> â€regulated autophagic pathways in plant lectinâ€induced cancer cell death. Cell Proliferation, 2012, 45, 477-485.	2.4	31
686	Emerging roles of nonâ€coding <scp>RNAs</scp> in pancreatic βâ€cell function and dysfunction. Diabetes, Obesity and Metabolism, 2012, 14, 12-21.	2.2	80
687	The MicroRNA Regulatory Network in Normal- and HTLV-1-Transformed T Cells. Advances in Cancer Research, 2012, 113, 45-83.	1.9	6
689	BRCA1 and MicroRNAs: Emerging Networks and Potential Therapeutic Targets. Molecules and Cells, 2012, 34, 425-432.	1.0	46

#	Article	IF	CITATIONS
690	Integrated miRNA, mRNA and protein expression analysis reveals the role of post-transcriptional regulation in controlling CHO cell growth rate. BMC Genomics, 2012, 13, 656.	1.2	70
691	Role of microRNAs in the regulation of drug metabolizing and transporting genes and the response to environmental toxicants. Expert Opinion on Drug Metabolism and Toxicology, 2012, 8, 597-606.	1.5	28
692	microRNAs in skeletal muscle differentiation and disease. Clinical Science, 2012, 123, 611-625.	1.8	75
693	TranscriptomeBrowser 3.0: introducing a new compendium of molecular interactions and a new visualization tool for the study of gene regulatory networks. BMC Bioinformatics, 2012, 13, 19.	1.2	30
694	Human RNA Methyltransferase BCDIN3D Regulates MicroRNA Processing. Cell, 2012, 151, 278-288.	13.5	131
695	One Decade of Development and Evolution of MicroRNA Target Prediction Algorithms. Genomics, Proteomics and Bioinformatics, 2012, 10, 254-263.	3.0	42
696	MicroRNA-145 Targeted Therapy Reduces Atherosclerosis. Circulation, 2012, 126, S81-90.	1.6	237
697	Fibroblast Growth Factor (FGF) Signaling during Gastrulation Negatively Modulates the Abundance of MicroRNAs That Regulate Proteins Required for Cell Migration and Embryo Patterning. Journal of Biological Chemistry, 2012, 287, 38505-38514.	1.6	25
698	Micro-RNAs (miRNAs): genomic organisation, biogenesis and mode of action. Cell and Tissue Research, 2012, 349, 405-413.	1.5	113
699	Quantitative Analysis of miRNA Expression in Epithelial Cells and Tissues. Methods in Molecular Biology, 2012, 820, 55-70.	0.4	8
700	Evidence for conserved post-transcriptional roles of unitary pseudogenes and for frequent bifunctionality of mRNAs. Genome Biology, 2012, 13, R102.	13.9	61
701	MicroRNA-153 Physiologically Inhibits Expression of Amyloid- \hat{l}^2 Precursor Protein in Cultured Human Fetal Brain Cells and Is Dysregulated in a Subset of Alzheimer Disease Patients. Journal of Biological Chemistry, 2012, 287, 31298-31310.	1.6	175
702	The miRNA machinery in primary cutaneous malignant melanoma, cutaneous malignant melanoma metastases and benign melanocytic nevi. Cell and Tissue Research, 2012, 350, 119-126.	1.5	35
703	The Loop Position of shRNAs and Pre-miRNAs Is Critical for the Accuracy of Dicer Processing InÂVivo. Cell, 2012, 151, 900-911.	13.5	266
704	MiR-20a and miR-106b negatively regulate autophagy induced by leucine deprivation via suppression of ULK1 expression in C2C12 myoblasts. Cellular Signalling, 2012, 24, 2179-2186.	1.7	126
705	Designing Chemically Modified Oligonucleotides for Targeted Gene Silencing. Chemistry and Biology, 2012, 19, 937-954.	6.2	495
706	MicroRNA 497 modulates interleukin 1 signalling via the MAPK/ERK pathway. FEBS Letters, 2012, 586, 4165-4172.	1.3	29
707	Barcoded cDNA library preparation for small RNA profiling by next-generation sequencing. Methods, 2012, 58, 164-170.	1.9	114

#	ARTICLE	IF	CITATIONS
708	Genome-wide identification of miRNA targets by PAR-CLIP. Methods, 2012, 58, 94-105.	1.9	91
709	Tumor suppressive microRNAs (miR-222 and miR-31) regulate molecular pathways based on microRNA expression signature in prostate cancer. Journal of Human Genetics, 2012, 57, 691-699.	1.1	97
710	Imidazo–benzothiazoles a potent microRNA modulator involved in cell proliferation. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6418-6424.	1.0	6
711	Functional Importance of Dicer Protein in the Adaptive Cellular Response to Hypoxia. Journal of Biological Chemistry, 2012, 287, 29003-29020.	1.6	126
712	Airway Epithelial miRNA Expression Is Altered in Asthma. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 965-974.	2.5	222
713	Downregulation of <i>H19 </i> Improves the Differentiation Potential of Mouse Parthenogenetic Embryonic Stem Cells. Stem Cells and Development, 2012, 21, 1134-1144.	1.1	23
714	MiR-21 is Continually Elevated Long-Term in the Brain after Exposure to Ionizing Radiation. Radiation Research, 2012, 177, 124-128.	0.7	40
715	Functional characterization of miRNAs in prostate cancer using functional protein networks. , 2012, , .		0
716	Towards integrative annotation of the cell-type specific gene functional and signaling map in vascular endothelial cells. Molecular BioSystems, 2012, 8, 2041.	2.9	5
717	miRNAs and diabetes mellitus. Expert Review of Endocrinology and Metabolism, 2012, 7, 281-300.	1.2	19
718	Conservation of gene order in human microRNA-neighboring regions. Genome, 2012, 55, 701-704.	0.9	3
719	Down-regulation of microRNAs controlling tumourigenic factors in follicular thyroid carcinoma. Journal of Molecular Endocrinology, 2012, 48, 11-23.	1.1	73
720	The miR-143/-145 cluster regulates plasminogen activator inhibitor-1 in bladder cancer. British Journal of Cancer, 2012, 106, 366-374.	2.9	106
721	Control of Cytokine mRNA Expression by RNA-binding Proteins and microRNAs. Journal of Dental Research, 2012, 91, 651-658.	2.5	99
722	Discovering the first microRNA-targeted drug. Journal of Cell Biology, 2012, 199, 407-412.	2.3	256
723	MicroRNA-21 Integrates Pathogenic Signaling to Control Pulmonary Hypertension. Circulation, 2012, 125, 1520-1532.	1.6	246
724	Development of Plasmid Calibrators for Absolute Quantification of miRNAs by Using Real-Time qPCR. Journal of Molecular Diagnostics, 2012, 14, 314-321.	1.2	9
725	MicroRNAs are shaping the hematopoietic landscape. Haematologica, 2012, 97, 160-167.	1.7	109

#	Article	IF	CITATIONS
726	Analysis of MicroRNA-Induced Silencing Complex-Involved MicroRNA-Target Recognition by Single-Molecule Fluorescence Resonance Energy Transfer. Analytical Chemistry, 2012, 84, 5097-5102.	3.2	9
727	Identification of microRNA-regulated gene networks by expression analysis of target genes. Genome Research, 2012, 22, 1163-1172.	2.4	165
728	MECHANISMS IN ENDOCRINOLOGY: Micro-RNAs: targets for enhancing osteoblast differentiation and bone formation. European Journal of Endocrinology, 2012, 166, 359-371.	1.9	125
729	Prediction of Mammalian microRNA binding sites using Random Forests. , 2012, , .		4
730	Mechanisms of Age-Related Macular Degeneration. Neuron, 2012, 75, 26-39.	3.8	756
731	miR-32 and its target SLC45A3 regulate the lipid metabolism of oligodendrocytes and myelin. Neuroscience, 2012, 213, 29-37.	1.1	56
732	MicroRNA profiling predicts a variance in the proliferative potential of cardiac progenitor cells derived from neonatal and adult murine hearts. Journal of Molecular and Cellular Cardiology, 2012, 52, 264-272.	0.9	40
733	Functions of microRNAs in plant stress responses. Trends in Plant Science, 2012, 17, 196-203.	4.3	900
734	Adenosine deaminases that act on RNA induce reproducible changes in abundance and sequence of embryonic miRNAs. Genome Research, 2012, 22, 1468-1476.	2.4	80
735	MicroRNAs in the p53 network: micromanagement of tumour suppression. Nature Reviews Cancer, 2012, 12, 613-626.	12.8	457
736	Respiratory syncytial virus modifies microRNAs regulating host genes that affect virus replication. Journal of General Virology, 2012, 93, 2346-2356.	1.3	90
737	Conservation and divergence in plant microRNAs. Plant Molecular Biology, 2012, 80, 3-16.	2.0	143
738	An Overview of MicroRNA Methods: Expression Profiling and Target Identification. Methods in Molecular Biology, 2012, 823, 119-138.	0.4	25
739	N-myc and Noncoding RNAs in Neuroblastoma. Molecular Cancer Research, 2012, 10, 1243-1253.	1.5	59
740	Distinctive microRNA signature is associated with the diagnosis and prognosis of acute leukemia. Medical Oncology, 2012, 29, 2323-2331.	1.2	49
741	Disease-linked microRNA-21 exhibits drastically reduced mRNA binding and silencing activity in healthy mouse liver. Rna, 2012, 18, 1510-1526.	1.6	43
742	Genomic Research to Identify Novel Pathways in the Development of Abdominal Aortic Aneurysm. Cardiology Research and Practice, 2012, 2012, 1-8.	0.5	20
743	In situ measurement of miR-205 in malignant melanoma tissue supports its role as a tumor suppressor microRNA. Laboratory Investigation, 2012, 92, 1390-1397.	1.7	68

#	Article	IF	CITATIONS
744	Decoding the non-coding RNAs in Alzheimer's disease. Cellular and Molecular Life Sciences, 2012, 69, 3543-3559.	2.4	60
745	Noncoding microRNAs: small RNAs play a big role in regulation of ADME?. Acta Pharmaceutica Sinica B, 2012, 2, 93-101.	5.7	46
746	Reduced Expression of Ribosomal Proteins Relieves MicroRNA-Mediated Repression. Molecular Cell, 2012, 46, 171-186.	4.5	26
747	Alterations in microRNA expression linked to microcystin-LR-induced tumorigenicity in human WRL-68 Cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 743, 75-82.	0.9	40
748	Systematic association analysis of microRNA machinery genes with schizophrenia informs further study. Neuroscience Letters, 2012, 520, 47-50.	1.0	10
749	Non-coding RNAsâ€"Novel targets in neurotoxicity. NeuroToxicology, 2012, 33, 530-544.	1.4	50
750	MicroRNA-182 regulates otocyst-derived cell differentiation and targets T-box1 gene. Hearing Research, 2012, 286, 55-63.	0.9	27
751	Aberrant expression of microRNAs in gastric cancer and biological significance of miR-574-3p. International Immunopharmacology, 2012, 13, 468-475.	1.7	60
752	Plant-derived polyphenols regulate expression of miRNA paralogs miR-103/107 and miR-122 and prevent diet-induced fatty liver disease in hyperlipidemic mice. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 894-899.	1,1	117
7 53	Inactivation of Dicer1 has a severe cumulative impact on the formation of mature germ cells in mouse testes. Biochemical and Biophysical Research Communications, 2012, 422, 114-120.	1.0	28
754	The enhancer of zeste homolog 2 (EZH2), a potential therapeutic target, is regulated by miR-101 in renal cancer cells. Biochemical and Biophysical Research Communications, 2012, 422, 607-614.	1.0	54
755	miR-155 modulates TNF-α-inhibited osteogenic differentiation by targeting SOCS1 expression. Bone, 2012, 51, 498-505.	1.4	80
756	Re-expression of miR-199a suppresses renal cancer cell proliferation and survival by targeting GSK-3 \hat{i}^2 . Cancer Letters, 2012, 315, 189-197.	3.2	80
757	MicroRNA-449a acts as a tumor suppressor in human bladder cancer through the regulation of pocket proteins. Cancer Letters, 2012, 320, 40-47.	3.2	79
758	Non-coding RNAs in hepatitis B or C-associated hepatocellular carcinoma: Potential diagnostic and prognostic markers and therapeutic targets. Cancer Letters, 2012, 321, 1-12.	3.2	32
759	Conserved microRNA miR-8 in fat body regulates innate immune homeostasis in Drosophila. Developmental and Comparative Immunology, 2012, 37, 50-54.	1.0	67
760	Identification and comparative analysis of the Eriocheir sinensis microRNA transcriptome response to Spiroplasma eriocheiris infection using a deep sequencing approach. Fish and Shellfish Immunology, 2012, 32, 345-352.	1.6	73
761	Integrated analysis of mRNA and microRNA expression in mature neurons, neural progenitor cells and neuroblastoma cells. Gene, 2012, 495, 120-127.	1.0	55

#	Article	IF	Citations
762	Comparative analysis of the structural and expressional parameters of microRNA target genes. Gene, 2012, 497, 103-109.	1.0	2
763	Do microRNAs regulate bone marrow stem cell niche physiology?. Gene, 2012, 497, 1-9.	1.0	18
764	Cloning and expression of porcine Dicer and the impact of developmental stage and culture conditions on MicroRNA expression in porcine embryos. Gene, 2012, 501, 198-205.	1.0	33
765	MicroRNA-494 regulates mitochondrial biogenesis in skeletal muscle through mitochondrial transcription factor A and Forkhead box j3. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1419-E1427.	1.8	119
766	Roles for MicroRNAs in Conferring Robustness to Biological Processes. Cell, 2012, 149, 515-524.	13.5	1,400
767	miRNAs in cardiac disease: Sitting duck or moving target?. IUBMB Life, 2012, 64, 872-878.	1.5	8
768	Bioinformatics resource manager v2.3: an integrated software environment for systems biology with microRNA and cross-species analysis tools. BMC Bioinformatics, 2012 , 13 , 311 .	1.2	21
769	Large-scale analysis of microRNA evolution. BMC Genomics, 2012, 13, 218.	1.2	52
770	Transcriptome analysis of microRNAs in developing cerebral cortex of rat. BMC Genomics, 2012, 13, 232.	1.2	42
771	Diversity in parasitic nematode genomes: the microRNAs of Brugia pahangi and Haemonchus contortus are largely novel. BMC Genomics, 2012, 13, 4.	1.2	76
772	Profiling microRNAs in lung tissue from pigs infected with Actinobacillus pleuropneumoniae. BMC Genomics, 2012, 13, 459.	1.2	54
773	Alternative mRNA fates identified in microRNA-associated transcriptome analysis. BMC Genomics, 2012, 13, 561.	1.2	22
774	Evolutionary relationships between miRNA genes and their activity. BMC Genomics, 2012, 13, 718.	1.2	25
775	Computational identification and experimental validation of microRNAs binding to the Alzheimer-related gene ADAM10. BMC Medical Genetics, 2012, 13, 35.	2.1	73
776	Effect of luteal-phase support on endometrial microRNA expression following controlled ovarian stimulation. Reproductive Biology and Endocrinology, 2012, 10, 72.	1.4	17
777	Interferon- \hat{I}^3 -induced activation of Signal Transducer and Activator of Transcription 1 (STAT1) up-regulates the tumor suppressing microRNA-29 family in melanoma cells. Cell Communication and Signaling, 2012, 10, 41.	2.7	89
778	MicroRNA manipulation in colorectal cancer cells: from laboratory to clinical application. Journal of Translational Medicine, 2012, 10, 128.	1.8	37
779	Gene autoregulation via intronic microRNAs and its functions. BMC Systems Biology, 2012, 6, 131.	3.0	58

#	Article	IF	CITATIONS
780	Crosstalk between transcription factors and microRNAs in human protein interaction network. BMC Systems Biology, 2012, 6, 18.	3.0	53
781	Molecular network analysis of human microRNA targetome: from cancers to Alzheimer's disease. BioData Mining, 2012, 5, 17.	2.2	36
782	Plasma profile of microRNA after supplementation with high doses of vitamin D3 for 12 months. BMC Research Notes, 2012, 5, 245.	0.6	42
783	The role of the 3'Âuntranslated region in post-transcriptional regulation of protein expression in mammalian cells RNA Biology, 2012, 9, 563-576.	1.5	297
784	The changes of microRNA expression profiles and tyrosinase related proteins in MITF knocked down melanocytes. Molecular BioSystems, 2012, 8, 2924.	2.9	28
785	Analysis of mi <scp>R</scp> â€376 <scp>RNA</scp> cluster members in the mouse inner ear. International Journal of Experimental Pathology, 2012, 93, 450-457.	0.6	14
786	Molecular Targets Related to Inflammation and Insulin Resistance and Potential Interventions. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-16.	3.0	86
787	Target Prediction Algorithms and Bioinformatics Resources for miRNA Studies. , 2012, , 29-48.		1
788	Identifying Functional Annotation for Noncoding Genomic Sequences. Current Protocols in Human Genetics, 2012, 72, Unit1.10.	3.5	5
789	The Long and Short of MicroRNAs in the Kidney. Journal of the American Society of Nephrology: JASN, 2012, 23, 400-404.	3.0	43
790	RNAi-Mediated Targeting of Noncoding and Coding Sequences in DNA Repair Gene Messages Efficiently Radiosensitizes Human Tumor Cells. Cancer Research, 2012, 72, 1221-1228.	0.4	28
791	The Oncogenic Role of miR-155 in Breast Cancer. Cancer Epidemiology Biomarkers and Prevention, 2012, 21, 1236-1243.	1.1	240
792	Functional microRNA targets in protein coding sequences. Bioinformatics, 2012, 28, 771-776.	1.8	451
793	MicroRNA regulatory networks and human disease. Cellular and Molecular Life Sciences, 2012, 69, 3529-3531.	2.4	80
794	Identification of microRNA-221/222 and microRNA-323-3p association with rheumatoid arthritis via predictions using the human tumour necrosis factor transgenic mouse model. Annals of the Rheumatic Diseases, 2012, 71, 1716-1723.	0.5	103
795	Singleâ€domain βâ€ŧhymosins: the family history. Annals of the New York Academy of Sciences, 2012, 1269, 7-15.	1.8	2
796	MicroRNA–target interactions: new insights from genomeâ€wide approaches. Annals of the New York Academy of Sciences, 2012, 1271, 118-128.	1.8	51
797	Exploiting Drosophila Genetics to Understand MicroRNA Function and Regulation. Current Topics in Developmental Biology, 2012, 99, 201-235.	1.0	20

#	Article	IF	CITATIONS
798	A General Introduction to MicroRNAs, Their Investigation and Exploitation in CHO Cell Lines. , 2012 , , $1-13$.		O
799	Biogenesis of Mammalian miRNA. , 2012, , 15-27.		2
800	Architecture of the human regulatory network derived from ENCODE data. Nature, 2012, 489, 91-100.	13.7	1,384
801	Advances in Technologies and Study Design. Progress in Molecular Biology and Translational Science, 2012, 108, 17-50.	0.9	3
802	Adaptive Genetic Variation and Population Differences. Progress in Molecular Biology and Translational Science, 2012, 108, 461-489.	0.9	8
803	Attomolar Ultrasensitive MicroRNA Detection by DNA-Scaffolded Silver-Nanocluster Probe Based on Isothermal Amplification. Analytical Chemistry, 2012, 84, 5165-5169.	3.2	251
804	Circulating microRNAs in cancer: origin, function and application. Journal of Experimental and Clinical Cancer Research, 2012, 31, 38.	3.5	156
805	MicroRNAs Shape the Neuronal Landscape. Neuron, 2012, 75, 363-379.	3.8	255
806	MicroRNAs in Pathogenesis, Diagnosis, and Treatment of Gastroesophageal Cancers. Gastroenterology, 2012, 143, 35-47.e2.	0.6	167
807	Transcriptional and translational regulation of cytokine signaling in inflammatory \hat{I}^2 -cell dysfunction and apoptosis. Archives of Biochemistry and Biophysics, 2012, 528, 171-184.	1.4	32
808	Small RNA Biomarkers Come of Age. Journal of the American College of Cardiology, 2012, 60, 300-303.	1.2	32
809	Single nucleotide polymorphisms in the bovine genome are associated with the number of oocytes collected during ovum pick up. Animal Reproduction Science, 2012, 134, 141-149.	0.5	13
810	The let-7 microRNA enhances heme oxygenase-1 by suppressing Bach1 and attenuates oxidant injury in human hepatocytes. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 1113-1122.	0.9	89
811	miRNA-101: A potential target for tumor therapy. Cancer Epidemiology, 2012, 36, 537-540.	0.8	32
812	Micro RNA: New aspect in pathobiology of preeclampsia?. Egyptian Journal of Medical Human Genetics, 2012, 13, 127-131.	0.5	6
813	Systematic investigation of Amphioxus (Branchiostoma floridae) microRNAs. Gene, 2012, 508, 110-116.	1.0	5
814	MicroRNA Regulation in Extreme Environments: Differential Expression of MicroRNAs in the Intertidal Snail Littorina littorea During Extended Periods of Freezing and Anoxia. Genomics, Proteomics and Bioinformatics, 2012, 10, 302-309.	3.0	62
815	Effects of short-term exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin on microRNA expression in zebrafish embryos. Toxicology and Applied Pharmacology, 2012, 264, 262-273.	1.3	34

#	Article	IF	CITATIONS
816	MicroRNAs and atherosclerosis: New actors for an old movie. Nutrition, Metabolism and Cardiovascular Diseases, 2012, 22, 937-943.	1.1	61
817	MicroRNAs: Small but amazing, and their association with endothelin. Life Sciences, 2012, 91, 475-489.	2.0	23
818	MicroRNAs in parasitic diseases: Potential for diagnosis and targeting. Molecular and Biochemical Parasitology, 2012, 186, 81-86.	0.5	81
819	Maintenance of muscle stem-cell quiescence by microRNA-489. Nature, 2012, 482, 524-528.	13.7	393
820	A Primer on the Role of MicroRNAs in Endothelial Biology and Vascular Disease. Seminars in Nephrology, 2012, 32, 167-175.	0.6	16
821	Circulating microRNAs: New biomarkers in diagnosis, prognosis and treatment of cancer (Review). International Journal of Oncology, 2012, 41, 1897-1912.	1.4	313
822	Modulation of the Osteosarcoma Expression Phenotype by MicroRNAs. PLoS ONE, 2012, 7, e48086.	1.1	253
823	The Repertoire and Features of Human Platelet microRNAs. PLoS ONE, 2012, 7, e50746.	1.1	189
824	Mechanism(s) of Alteration of Micro RNA Expressions in Huntington's Disease and Their Possible Contributions to the Observed Cellular and Molecular Dysfunctions in the Disease. NeuroMolecular Medicine, 2012, 14, 221-243.	1.8	36
825	MicroRNA-34a affects the occurrence of laryngeal squamous cell carcinoma by targeting the antiapoptotic gene survivin. Medical Oncology, 2012, 29, 2473-2480.	1.2	80
826	Oncomir miR-125b regulates hematopoiesis by targeting the gene Lin28A. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4233-4238.	3.3	143
827	Derivative scores from site accessibility and ranking of miRNA target predictions. International Journal of Bioinformatics Research and Applications, 2012, 8, 171.	0.1	3
828	In ovo leptin administration affects hepatic lipid metabolism and microRNA expression in newly hatched broiler chickens. Journal of Animal Science and Biotechnology, 2012, 3, 16.	2.1	22
829	DNA methylation-associated silencing of tumor-suppressor microRNAs in cancer. Oncogene, 2012, 31, 1609-1622.	2.6	307
830	The Emerging Paradigm of Network Medicine in the Study of Human Disease. Circulation Research, 2012, 111, 359-374.	2.0	186
831	MiRaGE: Inference of Gene Expression Regulation via MicroRNA Transfection II. Lecture Notes in Computer Science, 2012, , 129-135.	1.0	2
832	<i>Drosophila</i> miR-124 regulates neuroblast proliferation through its target <i>anachronism</i> Development (Cambridge), 2012, 139, 1427-1434.	1,2	61
833	Omics Era in Stem Cell Research: Data Integration of Multi-regulatory Layers. , 2012, , 119-137.		0

#	Article	IF	CITATIONS
837	Convergent repression of Foxp2 3′UTR by miR-9 and miR-132 in embryonic mouse neocortex: implications for radial migration of neurons. Development (Cambridge), 2012, 139, 3332-3342.	1.2	125
838	Epigenetic-dependent regulation of drug transport and metabolism: an update. Pharmacogenomics, 2012, 13, 1373-1385.	0.6	42
839	Systems biology of kidney diseases. Kidney International, 2012, 81, 22-39.	2.6	72
840	Developing microRNA Therapeutics: Approaching the Unique Complexities. Nucleic Acid Therapeutics, 2012, 22, 213-225.	2.0	52
841	Insect MicroRNAs. , 2012, , 30-56.		22
842	The Akt-associated microRNAs. Cellular and Molecular Life Sciences, 2012, 69, 3601-3612.	2.4	58
843	MicroRNAs in prostate cancer: from biomarkers to molecularly-based therapeutics. Prostate Cancer and Prostatic Diseases, 2012, 15, 314-319.	2.0	38
844	Genome-wide annotation and analysis of zebra finch microRNA repertoire reveal sex-biased expression. BMC Genomics, 2012, 13, 727.	1.2	39
845	Regulation of colony stimulating factor-1 expression and ovarian cancer cell behavior in vitro by miR-128 and miR-152. Molecular Cancer, 2012, 11, 58.	7.9	54
846	A microRNA network regulates proliferative timing and extracellular matrix synthesis during cellular quiescence in fibroblasts. Genome Biology, 2012, 13, R121.	13.9	57
847	RIDDLE: Reflective diffusion and local extension reveal functional associations for unannotated gene sets via proximity in a gene network. Genome Biology, 2012, 13, R125.	13.9	16
848	Sex differences in microRNA regulation of gene expression: no smoke, just miRs. Biology of Sex Differences, 2012, 3, 22.	1.8	106
849	Optimal Use of Conservation and Accessibility Filters in MicroRNA Target Prediction. PLoS ONE, 2012, 7, e32208.	1.1	17
850	MicroRNA-141 Represses HBV Replication by Targeting PPARA. PLoS ONE, 2012, 7, e34165.	1.1	88
851	Discovery of Novel MicroRNAs in Rat Kidney Using Next Generation Sequencing and Microarray Validation. PLoS ONE, 2012, 7, e34394.	1.1	19
852	Integrated Analyses of microRNAs Demonstrate Their Widespread Influence on Gene Expression in High-Grade Serous Ovarian Carcinoma. PLoS ONE, 2012, 7, e34546.	1.1	104
853	The Expression of microRNA and microRNA Clusters in the Aging Heart. PLoS ONE, 2012, 7, e34688.	1.1	100
854	MiR-133b Targets Antiapoptotic Genes and Enhances Death Receptor-Induced Apoptosis. PLoS ONE, 2012, 7, e35345.	1.1	87

#	Article	IF	Citations
855	miR-125b Promotes Early Germ Layer Specification through Lin28/let-7d and Preferential Differentiation of Mesoderm in Human Embryonic Stem Cells. PLoS ONE, 2012, 7, e36121.	1.1	44
856	Cis-Acting Polymorphisms Affect Complex Traits through Modifications of MicroRNA Regulation Pathways. PLoS ONE, 2012, 7, e36694.	1.1	37
857	Signature miRNAs Involved in the Innate Immunity of Invertebrates. PLoS ONE, 2012, 7, e39015.	1.1	76
858	A Least Angle Regression Model for the Prediction of Canonical and Non-Canonical miRNA-mRNA Interactions. PLoS ONE, 2012, 7, e40634.	1.1	20
859	Large-Scale Identification of MicroRNA Targets in Murine Dgcr8-Deficient Embryonic Stem Cell Lines. PLoS ONE, 2012, 7, e41762.	1.1	8
860	Antagonism Pattern Detection between MicroRNA and Target Expression in Ewing's Sarcoma. PLoS ONE, 2012, 7, e41770.	1.1	7
861	Next-Generation Sequencing of the Porcine Skeletal Muscle Transcriptome for Computational Prediction of MicroRNA Gene Targets. PLoS ONE, 2012, 7, e42039.	1.1	7
862	Luteolin Induces microRNA-132 Expression and Modulates Neurite Outgrowth in PC12 Cells. PLoS ONE, 2012, 7, e43304.	1.1	48
863	Genistein Suppresses Prostate Cancer Growth through Inhibition of Oncogenic MicroRNA-151. PLoS ONE, 2012, 7, e43812.	1.1	96
864	Dynamical Behaviors of Rb-E2F Pathway Including Negative Feedback Loops Involving miR449. PLoS ONE, 2012, 7, e43908.	1.1	28
865	miR-127 Protects Proximal Tubule Cells against Ischemia/Reperfusion: Identification of Kinesin Family Member 3B as miR-127 Target. PLoS ONE, 2012, 7, e44305.	1.1	59
866	let-7b and miR-126 Are Down-Regulated in Tumor Tissue and Correlate with Microvessel Density and Survival Outcomes in Non–Small–Cell Lung Cancer. PLoS ONE, 2012, 7, e45577.	1.1	88
867	MicroRNA-550a Acts as a Pro-Metastatic Gene and Directly Targets Cytoplasmic Polyadenylation Element-Binding Protein 4 in Hepatocellular Carcinoma. PLoS ONE, 2012, 7, e48958.	1.1	54
868	Identification of Conserved and Novel microRNAs in Cashmere Goat Skin by Deep Sequencing. PLoS ONE, 2012, 7, e50001.	1.1	62
869	Inferring MicroRNA Regulation of mRNA with Partially Ordered Samples of Paired Expression Data and Exogenous Prediction Algorithms. PLoS ONE, 2012, 7, e51480.	1.1	4
870	miR-17-5p Regulates Endocytic Trafficking through Targeting TBC1D2/Armus. PLoS ONE, 2012, 7, e52555.	1.1	34
871	The role of epigenetic mechanisms and processes in autoimmune disorders. Biologics: Targets and Therapy, 2012, 6, 307.	3.0	51
872	Small RNA Expression Profiling by High-Throughput Sequencing: Implications of Enzymatic Manipulation. Journal of Nucleic Acids, 2012, 2012, 1-15.	0.8	37

#	ARTICLE	IF	CITATIONS
873	Diet and Aging. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-20.	1.9	65
874	The Aryl Hydrocarbon Receptor Pathway: A Key Component of the microRNA-Mediated AML Signalisome. International Journal of Environmental Research and Public Health, 2012, 9, 1939-1953.	1.2	18
875	Bioinformatic Resources of microRNA Sequences, Gene Targets, and Genetic Variation. Frontiers in Genetics, 2012, 3, 31.	1.1	17
876	Regulation of miRNA 219 and miRNA Clusters 338 and 17-92 in Oligodendrocytes. Frontiers in Genetics, 2012, 3, 46.	1.1	41
877	Transcriptional interference networks coordinate the expression of functionally related genes clustered in the same genomic loci. Frontiers in Genetics, 2012, 3, 122.	1.1	39
878	Emerging role of non-coding RNA in neural plasticity, cognitive function, and neuropsychiatric disorders. Frontiers in Genetics, 2012, 3, 132.	1.1	68
879	PIWI Expression and Function in Cancer. Frontiers in Genetics, 2012, 3, 204.	1.1	110
880	Morphine and microRNA Activity: Is There a Relation with Addiction?. Frontiers in Genetics, 2012, 3, 223.	1.1	28
881	Impact of the Interaction between 3′-UTR SNPs and microRNA on the Expression of Human Xenobiotic Metabolism Enzyme and Transporter Genes. Frontiers in Genetics, 2012, 3, 248.	1.1	38
882	New Neurons in Aging Brains: Molecular Control by Small Non-Coding RNAs. Frontiers in Neuroscience, 2012, 6, 25.	1.4	61
883	A Neuronal Transcriptome Response Involving Stress Pathways is Buffered by Neuronal microRNAs. Frontiers in Neuroscience, 2012, 6, 156.	1.4	15
884	MicroRNAs in embryonic stem cells. , 0, , 163-178.		O
885	Functional Interactions Between microRNAs and RNA Binding Proteins. MicroRNA (Shariqah, United) Tj ETQq0 0 0	0 rgBT /Ον	verlock 10 Tf 5
887	Role of Huntington's Disease Protein in Post-Transcriptional Gene Regulatory Pathways. , 2012, , .		0
888	MicroRNA Expression in Follicular Lymphoma. , 2012, , .		0
889	MicroRNAs: molecular features and role in cancer. Frontiers in Bioscience - Landmark, 2012, 17, 2508.	3.0	171
890	Identification of miR-30d as a novel prognostic maker of prostate cancer. Oncotarget, 2012, 3, 1455-1471.	0.8	88
891	The Murine Caecal MicroRNA Signature Depends on the Presence of the Endogenous Microbiota. International Journal of Biological Sciences, 2012, 8, 171-186.	2.6	102

#	Article	IF	CITATIONS
892	Current and emerging biomarkers of hepatotoxicity. Current Biomarker Findings, 0, , 43.	0.4	9
893	Quantitative analysis of microRNAs in tissue microarrays by in situ hybridization. BioTechniques, 2012, 52, 235-245.	0.8	57
894	<i>OLFML3</i> Expression is Decreased during Prenatal Muscle Development and Regulated by MicroRNA-155 in Pigs. International Journal of Biological Sciences, 2012, 8, 459-469.	2.6	31
895	Diversity of animal small RNA pathways and their biological utility. Wiley Interdisciplinary Reviews RNA, 2012, 3, 351-368.	3.2	53
896	Rigorous assessment of gene set enrichment tests. Bioinformatics, 2012, 28, 1480-1486.	1.8	27
897	Agilent MicroRNA Microarray Profiling System. Methods in Molecular Biology, 2012, 822, 85-102.	0.4	19
898	Integrated miRNA Expression Analysis and Target Prediction. Methods in Molecular Biology, 2012, 822, 289-293.	0.4	3
899	Small RNA Sequencing Reveals MicroRNAs That Modulate Angiotensin II Effects in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2012, 287, 15672-15683.	1.6	76
900	MiR-30a-5p suppresses tumor growth in colon carcinoma by targeting DTL. Carcinogenesis, 2012, 33, 732-739.	1.3	160
901	Androgen-regulated miR-32 targets BTG2 and is overexpressed in castration-resistant prostate cancer. Oncogene, 2012, 31, 4460-4471.	2.6	199
902	Herpes Simplex Virus Is Equipped with RNA- and Protein-Based Mechanisms To Repress Expression of ATRX, an Effector of Intrinsic Immunity. Journal of Virology, 2012, 86, 10093-10102.	1.5	59
903	MicroRNA dysregulation in cancer: diagnostics, monitoring and therapeutics. A comprehensive review. EMBO Molecular Medicine, 2012, 4, 143-159.	3.3	1,481
904	Repression of miRâ€142 by p300 and MAPK is required for survival signalling via gp130 during adaptive hypertrophy. EMBO Molecular Medicine, 2012, 4, 617-632.	3.3	93
905	Discovery of circulating microRNAs associated with human prostate cancer using a mouse model of disease. International Journal of Cancer, 2012, 131, 652-661.	2.3	169
906	Impact of microRNA regulation on variation in human gene expression. Genome Research, 2012, 22, 1243-1254.	2.4	237
907	Epigenetics: The missing link to understanding \hat{l}^2 -cell dysfunction in the pathogenesis of type 2 diabetes. Epigenetics, 2012, 7, 841-852.	1.3	100
908	Induction of microRNA-155 is TLR- and type IV secretion system-dependent in macrophages and inhibits DNA-damage induced apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1153-62.	3.3	102
909	Rare copy number variants in isolated sporadic and syndromic atrioventricular septal defects. American Journal of Medical Genetics, Part A, 2012, 158A, 1279-1284.	0.7	37

#	Article	IF	Citations
912	miRâ€₹RAP: A Benchtop Chemical Biology Strategy to Identify microRNA Targets. Angewandte Chemie - International Edition, 2012, 51, 5880-5883.	7.2	48
913	Dynamic mRNA and miRNA profiling of CHOâ€K1 suspension cell cultures. Biotechnology Journal, 2012, 7, 500-515.	1.8	83
914	A screening method to assess biological effects of microRNA overexpression in Chinese hamster ovary cells. Biotechnology and Bioengineering, 2012, 109, 1376-1385.	1.7	45
915	Nested Hierarchal Organization of Conservation for MicroRNAs and Their Putative Targets to <i>Drosophila melanogaster</i> Chemistry and Biodiversity, 2012, 9, 945-964.	1.0	0
916	High-resolution experimental and computational profiling of tissue-specific known and novel miRNAs in <i>Arabidopsis</i> . Genome Research, 2012, 22, 163-176.	2.4	140
917	MicroRNA Detection in Prostate Tumors by Quantitative Real-time PCR (qPCR). Journal of Visualized Experiments, 2012, , e3874.	0.2	13
918	Determination of the Human Cardiomyocyte mRNA and miRNA Differentiation Network by Fine-Scale Profiling. Stem Cells and Development, 2012, 21, 1956-1965.	1.1	91
919	Analysis of putative miRNA function using a novel approach, GAPPS-miRTarGE. Genes and Genomics, 2012, 34, 205-216.	0.5	0
920	Systematic analysis of genomic organization and heterogeneities of miRNA cluster in vertebrates. Molecular Biology Reports, 2012, 39, 5143-5149.	1.0	4
921	miR-21 inhibitor sensitizes human OSCC cells to cisplatin. Molecular Biology Reports, 2012, 39, 5481-5485.	1.0	17
922	Network-Based Identification of Novel Connections Among Apoptotic Signaling Pathways in Cancer. Applied Biochemistry and Biotechnology, 2012, 167, 621-631.	1.4	14
923	Integration of MicroRNA Databases to Study MicroRNAs Associated with Multiple Sclerosis. Molecular Neurobiology, 2012, 45, 520-535.	1.9	58
924	Bone loss in adult offspring induced by low-dose exposure to teratogens. Journal of Bone and Mineral Metabolism, 2012, 30, 270-280.	1.3	5
925	Full-length 3′-untranslated region reporter construction with recombineering. Analytical Biochemistry, 2012, 424, 162-167.	1.1	3
926	Genetic Architecture of MicroRNA Expression: Implications for the Transcriptome and Complex Traits. American Journal of Human Genetics, 2012, 90, 1046-1063.	2.6	92
927	Epigenetics and psoriasis. Journal of the European Academy of Dermatology and Venereology, 2012, 26, 399-403.	1.3	39
928	Epigenetic modifications in cancer. Clinical Genetics, 2012, 81, 303-311.	1.0	369
929	Widespread roles of microRNAs during zebrafish development and beyond. Development Growth and Differentiation, 2012, 54, 55-65.	0.6	41

#	Article	IF	CITATIONS
930	Matrix metalloprotease 16 expression is downregulated by <i>microRNAâ€146a</i> in spontaneously differentiating Cacoâ€2 cells. Development Growth and Differentiation, 2012, 54, 216-226.	0.6	18
931	MicroRNAs as novel players in skin development, homeostasis and disease. British Journal of Dermatology, 2012, 166, 22-28.	1.4	103
932	Proliferation and Tumorigenesis of a Murine Sarcoma Cell Line in the Absence of DICER1. Cancer Cell, 2012, 21, 848-855.	7.7	58
933	Micro RNAs as a new therapeutic target towards leukaemia signalling. Cellular Signalling, 2012, 24, 363-368.	1.7	16
934	Molecular network of microRNA targets in Alzheimer's disease brains. Experimental Neurology, 2012, 235, 436-446.	2.0	71
935	Targeting microRNAs in neurons: Tools and perspectives. Experimental Neurology, 2012, 235, 419-426.	2.0	22
936	Advances in microRNA experimental approaches to study physiological regulation of gene products implicated in CNS disorders. Experimental Neurology, 2012, 235, 402-418.	2.0	36
937	Effect of (S)-3,5-DHPG on microRNA expression in mouse brain. Experimental Neurology, 2012, 235, 497-507.	2.0	5
938	Smadâ€mediated regulation of microRNA biosynthesis. FEBS Letters, 2012, 586, 1906-1912.	1.3	110
939	Down-regulation of viral replication by lentiviral-mediated expression of short-hairpin RNAs against vesicular stomatitis virus ribonuclear complex genes. Antiviral Research, 2012, 95, 150-158.	1.9	5
940	Tertiary mechanisms of brain damage: a new hope for treatment of cerebral palsy?. Lancet Neurology, The, 2012, 11, 556-566.	4.9	299
941	Chronic Intermittent Ethanol Exposure and Its Removal Induce a Different miRNA Expression Pattern in Primary Cortical Neuronal Cultures. Alcoholism: Clinical and Experimental Research, 2012, 36, 1058-1066.	1.4	70
942	Differential Expression of MicroRNAs During Allograft Rejection. American Journal of Transplantation, 2012, 12, 1113-1123.	2.6	69
943	The Role of miRNA in Stem Cell Pluripotency and Commitment to the Vascular Endothelial Lineage. Microcirculation, 2012, 19, 196-207.	1.0	7
944	miRNA profiling for biomarker discovery in multiple sclerosis: From microarray to deep sequencing. Journal of Neuroimmunology, 2012, 248, 32-39.	1.1	77
945	Aryl hydrocarbon receptor nuclear translocator in human liver is regulated by miR-24. Toxicology and Applied Pharmacology, 2012, 260, 222-231.	1.3	39
946	Select microRNAs are essential for early development in the sea urchin. Developmental Biology, 2012, 362, 104-113.	0.9	55
947	Metaâ€analysis of the studies of bleeding complications of platelets pathogenâ€reduced with the Intercept system. Vox Sanguinis, 2012, 102, 302-316.	0.7	43

#	Article	IF	CITATIONS
948	Isoform diversity and its importance for axon regeneration. Neuropathology, 2012, 32, 420-431.	0.7	4
949	The profile of snoRNA-derived microRNAs that regulate expression of variant surface proteins in <i>Giardia lamblia</i>	1.1	29
950	Identifying transcription factors and microRNAs as key regulators of pathways using Bayesian inference on known pathway structures. Proteome Science, 2012, 10, S15.	0.7	9
951	Recent updates on the role of microRNAs in prostate cancer. Journal of Hematology and Oncology, 2012, 5, 9.	6.9	63
952	Inhibition of microRNA function by antimiR oligonucleotides. Silence: A Journal of RNA Regulation, 2012, 3, 1.	8.0	456
953	Target gene expression levels and competition between transfected and endogenous microRNAs are strong confounding factors in microRNA high-throughput experiments. Silence: A Journal of RNA Regulation, 2012, 3, 3.	8.0	30
954	Hepatic mRNA, microRNA, and miRâ€34aâ€∓arget responses in mice after 28 days exposure to doses of benzo(a)pyrene that elicit DNA damage and mutation. Environmental and Molecular Mutagenesis, 2012, 53, 10-21.	0.9	47
955	Both inhibition and enhanced expression of miR \hat{a} lead to reduced migration and invasion of pancreatic cancer cells. Genes Chromosomes and Cancer, 2012, 51, 557-568.	1.5	32
956	MicroRNA-194 is a target of transcription factor 1 (Tcf1, HNF1 \hat{l}_{\pm}) in adult liver and controls expression of frizzled-6. Hepatology, 2012, 55, 98-107.	3.6	48
957	Genome-wide identification of SNPs in microRNA genes and the SNP effects on microRNA target binding and biogenesis. Human Mutation, 2012, 33, 254-263.	1.1	343
958	MicroRNAs in inflammatory bowel disease. Inflammatory Bowel Diseases, 2012, 18, 187-193.	0.9	121
959	MicroRNAs, diet, and cancer: New mechanistic insights on the epigenetic actions of phytochemicals. Molecular Carcinogenesis, 2012, 51, 213-230.	1.3	101
960	The Tuberculosis Drug Streptomycin as a Potential Cancer Therapeutic: Inhibition of miRâ€21 Function by Directly Targeting Its Precursor. Angewandte Chemie - International Edition, 2012, 51, 1019-1023.	7.2	154
961	MicroRNAs in Hypertension: Mechanisms and Therapeutic Targets. Current Hypertension Reports, 2012, 14, 79-87.	1.5	125
962	Noncoding RNAs: Different roles in tumorigenesis. Science Bulletin, 2012, 57, 959-965.	1.7	9
963	Regulation of zinc-responsive Slc39a5 (Zip5) translation is mediated by conserved elements in the $3\hat{a}\in^2$ -untranslated region. BioMetals, 2012, 25, 319-335.	1.8	30
964	MicroRNAs in adipose tissue: their role in adipogenesis and obesity. International Journal of Obesity, 2013, 37, 325-332.	1.6	141
965	General Principals of miRNA Biogenesis and Regulation in the Brain. Neuropsychopharmacology, 2013, 38, 39-54.	2.8	173

#	Article	IF	CITATIONS
966	Weaker control of the electrical properties of cerebellar granule cells by tonically active GABAA receptors in the Ts65Dn mouse model of Down's syndrome. Molecular Brain, 2013, 6, 33.	1.3	12
967	Identification and characterization of microRNAs in the pancreatic fluke Eurytrema pancreaticum. Parasites and Vectors, 2013, 6, 25.	1.0	14
968	Exposures to Synthetic Estrogens at Different Times During the Life, and Their Effect on Breast Cancer Risk. Journal of Mammary Gland Biology and Neoplasia, 2013, 18, 25-42.	1.0	60
969	Regulation of microRNA biogenesis and turnover by animals and their viruses. Cellular and Molecular Life Sciences, 2013, 70, 3525-3544.	2.4	76
970	Distinctive microRNA expression signatures in proton-irradiated mice. Molecular and Cellular Biochemistry, 2013, 382, 225-235.	1.4	15
971	Gene-microRNA interactions associated with antipsychotic mechanisms and the metabolic side effects of olanzapine. Psychopharmacology, 2013, 227, 67-78.	1.5	39
972	Speciesâ€specific micro <scp>RNA</scp> regulation influences phenotypic variability. BioEssays, 2013, 35, 881-888.	1.2	37
973	Application of Mutated miR-206 Target Sites Enables Skeletal Muscle-specific Silencing of Transgene Expression of Cardiotropic AAV9 Vectors. Molecular Therapy, 2013, 21, 924-933.	3.7	30
974	The microRNA cluster miR- $17\hat{a}^{1}/492$ promotes TFH cell differentiation and represses subset-inappropriate gene expression. Nature Immunology, 2013, 14, 840-848.	7.0	183
975	MicroRNA-mediated regulation of T helper cell differentiation and plasticity. Nature Reviews Immunology, 2013, 13, 666-678.	10.6	331
976	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. Oncogene, 2013, 32, 4806-4813.	2.6	159
977	miRTar Hunter: A Prediction System for Identifying Human microRNA Target Sites. Molecules and Cells, 2013, 35, 195-201.	1.0	33
978	MicroRNA Cancer Regulation. Advances in Experimental Medicine and Biology, 2013, , .	0.8	17
979	Prediction and characterization of novel micro <scp>RNA</scp> s from brown plant hopper, <i><scp>N</scp>ilaparvata lugens</i> (<scp>S</scp> tål) (<scp>H</scp> emiptera:) Tj ETQq1 1 0.784314 rgBT	/Overlock	1 % Tf 50 21
980	Detection of hair-microRNAs as the novel potent biomarker: Evaluation of the usefulness for the diagnosis of scleroderma. Journal of Dermatological Science, 2013, 72, 134-141.	1.0	40
981	MiR-133b Promotes Neural Plasticity and Functional Recovery After Treatment of Stroke with Multipotent Mesenchymal Stromal Cells in Rats Via Transfer of Exosome-Enriched Extracellular Particles. Stem Cells, 2013, 31, 2737-2746.	1.4	596
982	Discovery and characterization of miRNA genes in atlantic salmon (Salmo salar) by use of a deep sequencing approach. BMC Genomics, 2013, 14, 482.	1.2	74
983	Identification of a set of miRNAs differentially expressed in transiently TIA-depleted HeLa cells by genome-wide profiling. BMC Molecular Biology, 2013, 14, 4.	3.0	32

#	ARTICLE	IF	CITATIONS
984	Microarray analysis of MicroRNA expression in peripheral blood mononuclear cells of critically ill patients with influenza A (H1N1). BMC Infectious Diseases, 2013, 13, 257.	1.3	66
985	Detection and comparison of microRNA expression in the serum of Doberman Pinschers with dilated cardiomyopathy and healthy controls. BMC Veterinary Research, 2013, 9, 12.	0.7	34
986	A novel method for the normalization of microRNA RT-PCR data. BMC Medical Genomics, 2013, 6, S14.	0.7	33
987	Potential roles of microRNAs in regulating long intergenic noncoding RNAs. BMC Medical Genomics, 2013, 6, S7.	0.7	71
988	Ultrasensitive electrochemical detection of cancer-associated circulating microRNA in serum samples based on DNA concatamers. Biosensors and Bioelectronics, 2013, 50, 132-136.	5.3	108
989	A review on the electrochemical biosensors for determination of microRNAs. Talanta, 2013, 115, 74-83.	2.9	113
990	Comparative analysis of known mi <scp>RNA</scp> s across platyhelminths. FEBS Journal, 2013, 280, 3944-3951.	2.2	31
991	Evaluation of Six SNPs of MicroRNA Machinery Genes and Risk of Schizophrenia. Journal of Molecular Neuroscience, 2013, 49, 594-599.	1.1	42
992	Towards microRNA-based therapeutics for diabetic nephropathy. Diabetologia, 2013, 56, 444-456.	2.9	29
993	The Therapeutic Potential of miRNAs in Cardiac Fibrosis: Where Do We Stand?. Journal of Cardiovascular Translational Research, 2013, 6, 899-908.	1.1	22
994	The Non-coding Road Towards Cardiac Regeneration. Journal of Cardiovascular Translational Research, 2013, 6, 909-923.	1.1	10
995	Genome-wide identification and analysis of miRNA-related single nucleotide polymorphisms (SNPs) in rice. Rice, 2013, 6, 10.	1.7	54
996	Quantitative aspects of RNA silencing in metazoans. Biochemistry (Moscow), 2013, 78, 613-626.	0.7	5
997	MicroRNA-409-3p Inhibits Migration and Invasion of Bladder Cancer Cells via Targeting c-Met. Molecules and Cells, 2013, 36, 62-68.	1.0	77
998	An integrated hierarchical Bayesian approach to normalizing left-censored microRNA microarray data. BMC Genomics, 2013, 14, 507.	1.2	3
999	Profiling microRNA expression in bovine alveolar macrophages using RNA-seq. Veterinary Immunology and Immunopathology, 2013, 155, 238-244.	0.5	44
1000	miR-155* mediates suppressive effect of PTEN 3′-untranslated region on AP-1/NF-κB pathway in HTR-8/SVneo cells. Placenta, 2013, 34, 650-656.	0.7	23
1001	Emerging Concepts in Neuro-Oncology. , 2013, , .		O

#	Article	IF	CITATIONS
1002	MicroRNA rules: Made to be broken. Frontiers in Biology, 2013, 8, 468-474.	0.7	2
1003	Regulation of cardiac and renal ischemia–reperfusion injury by microRNAs. Free Radical Biology and Medicine, 2013, 64, 78-84.	1.3	54
1004	Identification of MicroRNAs Regulated by Isothiocyanates and Association of Polymorphisms Inside Their Target Sites with Risk of Sporadic Colorectal Cancer. Nutrition and Cancer, 2013, 65, 247-254.	0.9	56
1005	Integrating multi-platform genomic data using hierarchical Bayesian relevance vector machines. Eurasip Journal on Bioinformatics and Systems Biology, 2013, 2013, 9.	1.4	5
1006	microRNA Control of Mouse and Human Pluripotent Stem Cell Behavior. Annual Review of Cell and Developmental Biology, 2013, 29, 213-239.	4.0	75
1007	Coordinated Networks of microRNAs and Transcription Factors with Evolutionary Perspectives. Advances in Experimental Medicine and Biology, 2013, 774, 169-187.	0.8	16
1008	Degradome sequencing reveals an endogenous microRNA target in <i>C. elegans</i> . FEBS Letters, 2013, 587, 964-969.	1.3	17
1009	MicroRNA-based therapy in pain medicine: Current progress and future prospects. Acta Anaesthesiologica Taiwanica, 2013, 51, 171-176.	1.0	23
1010	miR-146b-5p inhibits glioma migration and invasion by targeting MMP16. Cancer Letters, 2013, 339, 260-269.	3.2	116
1011	Transcription alterations of microRNAs, cytochrome P4501A1 and 3A65, and AhR and PXR in the liver of zebrafish exposed to crude microcystins. Toxicon, 2013, 73, 17-22.	0.8	36
1012	miR-124 Inhibits STAT3 Signaling to Enhance T Cell–Mediated Immune Clearance of Glioma. Cancer Research, 2013, 73, 3913-3926.	0.4	223
1013	Autocrine role of interleukin-13 on skeletal muscle glucose metabolism in type 2 diabetic patients involves microRNA let-7. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E1359-E1366.	1.8	105
1014	MicroRNA fragments derived from Streptococcus pyogenes enable activation of neutrophil phagocytosis: inÂvitro study. Microbes and Infection, 2013, 15, 212-218.	1.0	1
1015	Expression Variability of Absorption, Distribution, Metabolism, Excretion–Related MicroRNAs in Human Liver: Influence of Nongenetic Factors and Association with Gene Expression. Drug Metabolism and Disposition, 2013, 41, 1752-1762.	1.7	108
1016	miR-92a Inhibits Peritoneal Dissemination of Ovarian Cancer Cells by Inhibiting Integrin α5 Expression. American Journal of Pathology, 2013, 182, 1876-1889.	1.9	98
1017	Identification of Circulating MicroRNA Signatures for Breast Cancer Detection. Clinical Cancer Research, 2013, 19, 4477-4487.	3.2	258
1018	Conservation and Functional Element Discovery in 20 Angiosperm Plant Genomes. Molecular Biology and Evolution, 2013, 30, 1729-1744.	3.5	60
1019	Correlation of MicroRNA 132 Up-regulation with an Unfavorable Clinical Outcome in Patients with Primary Glioblastoma Multiforme Treated with Radiotherapy Plus Concomitant and Adjuvant Temozolomide Chemotherapy. Translational Oncology, 2013, 6, 742-IN34.	1.7	31

#	Article	IF	CITATIONS
1020	Design and interpretation of microRNA–reporter gene activity. Analytical Biochemistry, 2013, 437, 164-171.	1.1	11
1021	Analysis of miR-137 expression and rs1625579 in dorsolateral prefrontal cortex. Journal of Psychiatric Research, 2013, 47, 1215-1221.	1.5	116
1022	miR-210 Inhibits Trophoblast Invasion and Is a Serum Biomarker for Preeclampsia. American Journal of Pathology, 2013, 183, 1437-1445.	1.9	126
1023	MicroRNA-141-3p plays a role in human mesenchymal stem cell aging by directly targeting ZMPSTE24. Journal of Cell Science, 2013, 126, 5422-31.	1.2	63
1024	Sex- and estrogen-dependent regulation of a miRNA network in the healthy and hypertrophied heart. International Journal of Cardiology, 2013, 169, 331-338.	0.8	86
1025	Intercellular Transport of MicroRNAs. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 186-192.	1.1	336
1026	Pathway-Based Serum microRNA Profiling and Survival in Patients with Advanced Stage Non–Small Cell Lung Cancer. Cancer Research, 2013, 73, 4801-4809.	0.4	80
1027	MicroRNA Expression Changes during Interferon-Beta Treatment in the Peripheral Blood of Multiple Sclerosis Patients. International Journal of Molecular Sciences, 2013, 14, 16087-16110.	1.8	112
1028	Translational Repression and eIF4A2 Activity Are Critical for MicroRNA-Mediated Gene Regulation. Science, 2013, 340, 82-85.	6.0	290
1029	The role of non-coding RNAs in diabetic nephropathy: Potential applications as biomarkers for disease development and progression. Diabetes Research and Clinical Practice, 2013, 99, 1-11.	1.1	96
1030	The Somatic Genomic Landscape of Glioblastoma. Cell, 2013, 155, 462-477.	13.5	3,979
1031	MiR-125b, miR-100 and miR-99a co-regulate vincristine resistance in childhood acute lymphoblastic leukemia. Leukemia Research, 2013, 37, 1315-1321.	0.4	67
1032	Identification of a pan-cancer oncogenic microRNA superfamily anchored by a central core seed motif. Nature Communications, 2013, 4, 2730.	5.8	104
1033	RNase III: Genetics and Function; Structure and Mechanism. Annual Review of Genetics, 2013, 47, 405-431.	3.2	135
1034	Argonaute2 Regulates the Pancreatic \hat{l}^2 -Cell Secretome. Molecular and Cellular Proteomics, 2013, 12, 1214-1225.	2.5	42
1035	miR-490-3p Modulates Cell Growth and Epithelial to Mesenchymal Transition of Hepatocellular Carcinoma Cells by Targeting Endoplasmic Reticulum-Golgi Intermediate Compartment Protein 3 (ERGIC3). Journal of Biological Chemistry, 2013, 288, 4035-4047.	1.6	140
1036	Comprehensive Analysis of MicroRNA (miRNA) Targets in Breast Cancer Cells. Journal of Biological Chemistry, 2013, 288, 27480-27493.	1.6	39
1037	The evolution of evolvability in microRNA target sites in vertebrates. Genome Research, 2013, 23, 1810-1816.	2.4	53

#	Article	IF	CITATIONS
1038	TALEN-based knockout library for human microRNAs. Nature Structural and Molecular Biology, 2013, 20, 1458-1464.	3.6	74
1039	Context-specific microRNA function in developmental complexity. Journal of Molecular Cell Biology, 2013, 5, 73-84.	1.5	39
1040	HomoTarget: A new algorithm for prediction of microRNA targets in Homo sapiens. Genomics, 2013, 101, 94-100.	1.3	30
1041	CryomiRs: Towards the identification of a cold-associated family of microRNAs. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2013, 8, 358-364.	0.4	21
1042	Isothermally Sensitive Detection of Serum Circulating miRNAs for Lung Cancer Diagnosis. Analytical Chemistry, 2013, 85, 11174-11179.	3.2	86
1043	MicroRNAs in Myocardial Infarction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 201-205.	1.1	118
1044	Vesicle Trafficking and RNA Transfer Add Complexity and Connectivity to Cell–Cell Communication. Cancer Research, 2013, 73, 3200-3205.	0.4	44
1045	<i>miR-155</i> in Acute Myeloid Leukemia: Not Merely a Prognostic Marker?. Journal of Clinical Oncology, 2013, 31, 2219-2221.	0.8	15
1046	Regulation of the Hif-system by micro-RNA 17 and 20a – Role during monocyte-to-macrophage differentiation. Molecular Immunology, 2013, 56, 442-451.	1.0	41
1047	Aberrant overexpression of miR-421 downregulates ATM and leads to a pronounced DSB repair defect and clinical hypersensitivity in SKX squamous cell carcinoma. Radiotherapy and Oncology, 2013, 106, 147-154.	0.3	66
1048	Endoplasmic reticulum stress signaling: the microRNA connection. American Journal of Physiology - Cell Physiology, 2013, 304, C1117-C1126.	2.1	122
1049	MiRNA-200b represses transforming growth factor-121-induced EMT and fibronectin expression in kidney proximal tubular cells. American Journal of Physiology - Renal Physiology, 2013, 304, F1266-F1273.	1.3	74
1050	MicroRNA-31 Is Overexpressed in Psoriasis and Modulates Inflammatory Cytokine and Chemokine Production in Keratinocytes via Targeting Serine/Threonine Kinase 40. Journal of Immunology, 2013, 190, 678-688.	0.4	168
1051	mi <scp>RNA</scp> s and <scp>HIV</scp> : unforeseen determinants of hostâ€pathogen interaction. Immunological Reviews, 2013, 254, 265-280.	2.8	37
1053	MicroRNA biogenesis and variability. Biomolecular Concepts, 2013, 4, 367-380.	1.0	35
1054	miR-9 Regulation of BRCA1 and Ovarian Cancer Sensitivity to Cisplatin and PARP Inhibition. Journal of the National Cancer Institute, 2013, 105, 1750-1758.	3.0	154
1055	Frequent DNA methylation of MiRâ€129â€2 and its potential clinical implication in hepatocellular carcinoma. Genes Chromosomes and Cancer, 2013, 52, 636-643.	1.5	48
1056	miRTCat: a comprehensive map of human and mouse microRNA target sites including non-canonical nucleation bulges. Bioinformatics, 2013, 29, 1898-1899.	1.8	14

#	Article	IF	CITATIONS
1057	Synthesis and delivery of short, noncoding RNA by B lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20182-20187.	3.3	24
1058	Synthetic nucleic acids delivered by exosomes: a potential therapeutic for generelated metabolic brain diseases. Metabolic Brain Disease, 2013, 28, 551-562.	1.4	25
1059	PARma: identification of microRNA target sites in AGO-PAR-CLIP data. Genome Biology, 2013, 14, R79.	13.9	53
1060	Analysis of the microRNA transcriptome and expression of different isomiRs in human peripheral blood mononuclear cells. BMC Research Notes, 2013, 6, 390.	0.6	22
1061	Ensemble classifier based on context specific miRNA regulation modules: a new method for cancer outcome prediction. BMC Bioinformatics, 2013, 14, S6.	1.2	19
1062	Expansion of ruminant-specific microRNAs shapes target gene expression divergence between ruminant and non-ruminant species. BMC Genomics, 2013, 14, 609.	1.2	19
1063	SIV replication is directly downregulated by four antiviral miRNAs. Retrovirology, 2013, 10, 95.	0.9	28
1064	Tristetraprolin expression and microRNA-mediated regulation during simian immunodeficiency virus infection of the central nervous system. Molecular Brain, 2013, 6, 40.	1.3	14
1065	Limited evidence for evolutionarily conserved targeting of long non-coding RNAs by microRNAs. Silence: A Journal of RNA Regulation, 2013, 4, 4.	8.0	4
1066	Reduced expression of brain cannabinoid receptor 1 (Cnr1) is coupled with an increased complementary micro-RNA (miR-26b) in a mouse model of fetal alcohol spectrum disorders. Clinical Epigenetics, 2013, 5, 14.	1.8	32
1067	Correlated mRNAs and miRNAs from co-expression and regulatory networks affect porcine muscle and finally meat properties. BMC Genomics, 2013, 14, 533.	1.2	54
1068	MicroRNA regulate immune pathways in T-cells in multiple sclerosis (MS). BMC Immunology, 2013, 14, 32.	0.9	80
1069	MiR-34a inhibits proliferation and migration of breast cancer through down-regulation of Bcl-2 and SIRT1. Clinical and Experimental Medicine, 2013, 13, 109-117.	1.9	264
1070	Silencing Mutant ATXN3 Expression Resolves Molecular Phenotypes in SCA3 Transgenic Mice. Molecular Therapy, 2013, 21, 1909-1918.	3.7	100
1071	Poly(A)-binding proteins: Structure, domain organization, and activity regulation. Biochemistry (Moscow), 2013, 78, 1377-1391.	0.7	68
1072	Changes in circulating microRNAs after radiochemotherapy in head and neck cancer patients. Radiation Oncology, 2013, 8, 296.	1.2	88
1073	iMir: An integrated pipeline for high-throughput analysis of small non-coding RNA data obtained by smallRNA-Seq. BMC Bioinformatics, 2013, 14, 362.	1.2	62
1074	Unraveling the characteristics of microRNA regulation in the developmental and aging process of the human brain. BMC Medical Genomics, 2013, 6, 55.	0.7	15

#	Article	IF	CITATIONS
1075	Comprehensive annotation of microRNA expression profiles. BMC Genetics, 2013, 14, 120.	2.7	14
1076	Characterizing dynamic regulatory programs in mouse lung development and their potential association with tumourigenesis via miRNA-TF-mRNA circuits. BMC Systems Biology, 2013, 7, S11.	3.0	8
1077	Translational profiling in childhood acute lymphoblastic leukemia: no evidence for glucocorticoid regulation of mRNA translation. BMC Genomics, 2013, 14, 844.	1.2	2
1078	Dynamic modelling of microRNA regulation during mesenchymal stem cell differentiation. BMC Systems Biology, 2013, 7, 124.	3.0	16
1079	High-efficiency RNA cloning enables accurate quantification of miRNA expression by deep sequencing. Genome Biology, 2013, 14, R109.	13.9	55
1080	MicroRNAs in Liver Disease: Bench to Bedside. Journal of Clinical and Experimental Hepatology, 2013, 3, 231-242.	0.4	23
1081	The diverse role of miRâ€31 in regulating cancer associated phenotypes. Genes Chromosomes and Cancer, 2013, 52, 1103-1113.	1.5	75
1082	Circulating microRNAs predict biochemical recurrence in prostate cancer patients. British Journal of Cancer, 2013, 109, 641-650.	2.9	117
1083	MiR-181b targets Six2 and inhibits the proliferation of metanephric mesenchymal cells in vitro. Biochemical and Biophysical Research Communications, 2013, 440, 495-501.	1.0	21
1085	A Study of Small RNAs from Cerebral Neocortex of Pathology-Verified Alzheimer's Disease, Dementia with Lewy Bodies, Hippocampal Sclerosis, Frontotemporal Lobar Dementia, and Non-Demented Human Controls. Journal of Alzheimer's Disease, 2013, 35, 335-348.	1.2	110
1086	Screening of differentially expressed miRNAs related to muscle strain and their target gene. Molecular Biology, 2013, 47, 758-764.	0.4	1
1087	Exploration of miRNA families for hypotheses generation. Scientific Reports, 2013, 3, 2940.	1.6	68
1088	An emerging role for microRNAs in sexually dimorphic neurobiological systems. Pflugers Archiv European Journal of Physiology, 2013, 465, 655-667.	1.3	22
1089	The Mediator complex and transcription regulation. Critical Reviews in Biochemistry and Molecular Biology, 2013, 48, 575-608.	2.3	301
1090	PNA-based microRNA inhibitors elicit anti-inflammatory effects in microglia cells. Chemical Communications, 2013, 49, 4415-4417.	2.2	32
1091	"Orphan" Retrogenes in the Human Genome. Molecular Biology and Evolution, 2013, 30, 384-396.	3.5	50
1093	Identifying Mammalian MicroRNA Targets Based on Supervised Distance Metric Learning. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 427-435.	3.9	7
1094	Epigenetics and Psychostimulant Addiction. Cold Spring Harbor Perspectives in Medicine, 2013, 3, a012047-a012047.	2.9	61

#	Article	IF	Citations
1095	Differential membrane type 1 matrix metalloproteinase substrate processing with ischemia $\hat{a} \in \text{``reperfusion:}$ Relationship to interstitial microRNA dynamics and myocardial function. Journal of Thoracic and Cardiovascular Surgery, 2013, 145, 267-277.e4.	0.4	8
1096	Reflections on Ten Years of History of, and Future Prospects for, GW182 and GW/P Body Research. Advances in Experimental Medicine and Biology, 2013, 768, 261-270.	0.8	4
1097	Quantifying Argonaute Proteins In and Out of GW/P-Bodies: Implications in microRNA Activities. Advances in Experimental Medicine and Biology, 2013, 768, 165-182.	0.8	39
1098	A Label-Free Biosensor for Electrochemical Detection of Femtomolar MicroRNAs. Analytical Chemistry, 2013, 85, 1624-1630.	3.2	121
1099	miR-125b promotes cell death by targeting spindle assembly checkpoint gene MAD1 and modulating mitotic progression. Cell Death and Differentiation, 2013, 20, 430-442.	5.0	28
1100	microRNAs as Mediators of Drug Toxicity. Annual Review of Pharmacology and Toxicology, 2013, 53, 377-400.	4.2	104
1101	Regulation of the MIR155 host gene in physiological and pathological processes. Gene, 2013, 532, 1-12.	1.0	405
1102	Blood meal induced microRNA regulates development and immune associated genes in the Dengue mosquito vector, Aedes aegypti. Insect Biochemistry and Molecular Biology, 2013, 43, 146-152.	1.2	79
1103	Genomic Signatures of a Global Fitness Index in a Multiâ€Ethnic Cohort of Women. Annals of Human Genetics, 2013, 77, 147-157.	0.3	10
1104	Identification of novel caspase/autophagyâ€related gene switch to cell fate decisions in breast cancers. Cell Proliferation, 2013, 46, 67-75.	2.4	20
1105	Interactions of miR-323/miR-326/miR-329 and miR-130a/miR-155/miR-210 as prognostic indicators for clinical outcome of glioblastoma patients. Journal of Translational Medicine, 2013, 11, 10.	1.8	162
1106	Dissection of the potential characteristic of miRNA–miRNA functional synergistic regulations. Molecular BioSystems, 2013, 9, 217-224.	2.9	23
1107	In vitro brown and "briteâ€∤"beige―adipogenesis: Human cellular models and molecular aspects. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 905-914.	1.2	43
1108	miR-181a promotes osteoblastic differentiation through repression of TGF- \hat{l}^2 signaling molecules. International Journal of Biochemistry and Cell Biology, 2013, 45, 696-705.	1.2	120
1109	Stathmin 1 is a potential novel oncogene in melanoma. Oncogene, 2013, 32, 1330-1337.	2.6	45
1110	Small and long non-coding RNAs in cardiac homeostasis and regeneration. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 923-933.	1.9	52
1111	Joint analysis of miRNA and mRNA expression data. Briefings in Bioinformatics, 2013, 14, 263-278.	3.2	104
1112	The hunting of targets: challenge in miRNA research. Leukemia, 2013, 27, 16-23.	3.3	61

#	Article	IF	CITATIONS
1113	Comparative microarray analysis of microRNA expression profiles in primary cutaneous malignant melanoma, cutaneous malignant melanoma metastases, and benign melanocytic nevi. Cell and Tissue Research, 2013, 351, 85-98.	1.5	137
1114	MicroRNAs in renal development. Pediatric Nephrology, 2013, 28, 219-225.	0.9	29
1115	Systems-level analysis of host–pathogen interaction using RNA interference. New Biotechnology, 2013, 30, 308-313.	2.4	0
1116	Altered Purkinje cell miRNA expression and SCA1 pathogenesis. Neurobiology of Disease, 2013, 54, 456-463.	2.1	39
1117	RNA viruses and the host microRNA machinery. Nature Reviews Microbiology, 2013, 11, 169-180.	13.6	121
1118	Piwi induces piRNA-guided transcriptional silencing and establishment of a repressive chromatin state. Genes and Development, 2013, 27, 390-399.	2.7	429
1119	Prediction of personalized microRNA activity. Gene, 2013, 518, 101-106.	1.0	2
1120	<scp>MicroRNAs</scp> , transforming growth factor betaâ€1, and tissue fibrosis. Journal of Pathology, 2013, 229, 274-285.	2.1	148
1121	Proteomics for understanding miRNA biology. Proteomics, 2013, 13, 558-567.	1.3	21
1122	MiR-21 expression in the tumor cell compartment holds unfavorable prognostic value in gliomas. Journal of Neuro-Oncology, 2013, 111, 71-81.	1.4	87
1123	mi <scp>RNA</scp> s, polyphenols, and chronic disease. Molecular Nutrition and Food Research, 2013, 57, 58-70.	1.5	57
1124	Transfection of siRNAs can alter miRNA levels and trigger non-specific protein degradation in mammalian cells. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2013, 1829, 455-468.	0.9	36
1125	MiR-134-mediated \hat{I}^21 integrin expression and function in mesenchymal stem cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3396-3404.	1.9	14
1126	Role of microRNA deregulation in the pathogenesis of diffuse large B-cell lymphoma (DLBCL). Leukemia Research, 2013, 37, 1420-1428.	0.4	41
1127	The important role of microRNAs in lipid metabolism. Metabolism: Clinical and Experimental, 2013, 62, e1-e2.	1.5	3
1128	Interleukin-27 treated human macrophages induce the expression of novel microRNAs which may mediate anti-viral properties. Biochemical and Biophysical Research Communications, 2013, 434, 228-234.	1.0	43
1129	Evaluation of single nucleotide polymorphisms in the miR-183–96–182 cluster in adulthood attention-deficit and hyperactivity disorder (ADHD) and substance use disorders (SUDs). European Neuropsychopharmacology, 2013, 23, 1463-1473.	0.3	38
1130	MicroRNA-558 regulates the expression of cyclooxygenase-2 and IL- $1\hat{l}^2$ -induced catabolic effects in human articular chondrocytes. Osteoarthritis and Cartilage, 2013, 21, 981-989.	0.6	80

#	Article	IF	CITATIONS
1131	RRSM with a data-dependent threshold for miRNA target prediction. Journal of Theoretical Biology, 2013, 337, 54-60.	0.8	4
1132	Differentially regulated microRNAs during human sebaceous lipogenesis. Journal of Dermatological Science, 2013, 70, 88-93.	1.0	22
1133	Regulation of RNA interference by Hsp90 is an evolutionarily conserved process. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2673-2681.	1.9	12
1134	MicroRNA changes associated with atypical CYP1A1 inducer BMS-764459. Toxicology, 2013, 311, 169-177.	2.0	3
1135	The impact of age, biogenesis, and genomic clustering on <i>Drosophila</i> microRNA evolution. Rna, 2013, 19, 1295-1308.	1.6	35
1137	Differential MicroRNA Expression Profiles in Peripheral Arterial Disease. Circulation: Cardiovascular Genetics, 2013, 6, 490-497.	5.1	90
1138	miR-21 confers cisplatin resistance in gastric cancer cells by regulating PTEN. Toxicology, 2013, 306, 162-168.	2.0	185
1139	miRNAs: Biogenesis, Origin and Evolution, Functions on Virus-Host Interaction. Cellular Physiology and Biochemistry, 2013, 32, 499-510.	1.1	48
1140	mmu-miR-702 functions as an anti-apoptotic mirtron by mediating ATF6 inhibition in mice. Gene, 2013, 531, 235-242.	1.0	30
1141	MicroRNAs associated with the pathways involved in the pathogenesis of abdominal aortic aneurysms. Artery Research, 2013, 7, 28.	0.3	2
1142	MicroRNA-214 suppresses osteogenic differentiation of C2C12 myoblast cells by targeting Osterix. Bone, 2013, 55, 487-494.	1.4	120
1143	microRNAs and the regulation of neuronal plasticity under stress conditions. Neuroscience, 2013, 241, 188-205.	1.1	58
1144	High expression of microRNAâ€625â€3p is associated with poor response to firstâ€ine oxaliplatin based treatment of metastatic colorectal cancer. Molecular Oncology, 2013, 7, 637-646.	2.1	77
1145	Multiple microRNAs may regulate the DNA repair enzyme uracil-DNA glycosylase. DNA Repair, 2013, 12, 80-86.	1.3	17
1146	Rapid Evolution of the Mammalian HILS1 Gene and the Nuclear Condensation Process during Mammalian Spermiogenesis. Journal of Genetics and Genomics, 2013, 40, 55-59.	1.7	5
1147	miRNAs in endothelial cell signaling: The endomiRNAs. Experimental Cell Research, 2013, 319, 1324-1330.	1.2	31
1148	miR-122 regulates collagen production via targeting hepatic stellate cells and suppressing P4HA1 expression. Journal of Hepatology, 2013, 58, 522-528.	1.8	157
1149	Comprehensive analysis of alterations in the miRNome in response to photodynamic treatment. Journal of Photochemistry and Photobiology B: Biology, 2013, 120, 74-81.	1.7	25

#	Article	IF	CITATIONS
1150	Complexâ€forming proteins escape the robust regulations of miRNA in human. FEBS Letters, 2013, 587, 2284-2287.	1.3	8
1151	An introduction to microRNAs and their dysregulation in psychiatric disorders. Tzu Chi Medical Journal, 2013, 25, 1-7.	0.4	8
1152	Up-regulation of miR-18a contributes to the epidermal necrolysis in severe drug eruptions. Journal of Dermatological Science, 2013, 69, e6.	1.0	0
1153	microRNA-34a Sensitizes Lung Cancer Cell Lines to DDP Treatment Independent of p53 Status. Cancer Biotherapy and Radiopharmaceuticals, 2013, 28, 45-50.	0.7	45
1154	Charity begins at home: non-coding RNA functions in DNA repair. Nature Reviews Molecular Cell Biology, 2013, 14, 181-189.	16.1	120
1155	<i>In silico</i> analysis of molecular mechanisms of legume lectinâ€induced apoptosis in cancer cells. Cell Proliferation, 2013, 46, 86-96.	2.4	24
1156	Relationship of Other Cytoplasmic Ribonucleoprotein Bodies (cRNPB) to GW/P Bodies. Advances in Experimental Medicine and Biology, 2013, 768, 213-242.	0.8	25
1157	Cytochrome P450 enzymes in drug metabolism: Regulation of gene expression, enzyme activities, and impact of genetic variation., 2013, 138, 103-141.		2,924
1158	The Role of miRNAs in Regulating Gene Expression Networks. Journal of Molecular Biology, 2013, 425, 3582-3600.	2.0	330
1159	Platelet microRNAs., 2013,, 91-101.		4
1160	Chronic Ethanol Feeding Alters mi <scp>RNA</scp> Expression Dynamics During Liver Regeneration. Alcoholism: Clinical and Experimental Research, 2013, 37, E59-69.	1.4	62
1161	Synaptosomes secrete and uptake functionally active micro <scp>RNA</scp> s via exocytosis and endocytosis pathways. Journal of Neurochemistry, 2013, 124, 15-25.	2.1	57
1162	Micro <scp>RNA</scp> s and lymphomagenesis: a functional review. British Journal of Haematology, 2013, 160, 571-581.	1.2	63
1163	Stress response and adaptation: A new molecular toolkit for the 21st century. Comparative Biochemistry and Physiology Part A, Molecular & Empty Integrative Physiology, 2013, 165, 417-428.	0.8	23
1164	Radon-Induced Alterations in Micro-RNA Expression Profiles in Transformed BEAS2B Cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2013, 76, 107-119.	1.1	38
1165	Circular RNAs are a large class of animal RNAs with regulatory potency. Nature, 2013, 495, 333-338.	13.7	6,474
1166	A biophysical miRNA-mRNA interaction model infers canonical and noncanonical targets. Nature Methods, 2013, 10, 253-255.	9.0	129
1167	microRNAs in liver disease: From diagnostics to therapeutics. Clinical Biochemistry, 2013, 46, 946-952.	0.8	45

#	Article	IF	CITATIONS
1168	The Emerging Role of MicroRNAs in the Regulation of Gene Expression by Nutrients. Journal of Nutrigenetics and Nutrigenomics, 2013, 6, 16-31.	1.8	89
1169	Epigenetics and Brain Cancer. , 2013, , 21-40.		0
1170	MicroRNA-Regulated Networks: The Perfect Storm for Classical Molecular Biology, the Ideal Scenario for Systems Biology. Advances in Experimental Medicine and Biology, 2013, 774, 55-76.	0.8	50
1171	The Etiology of Acute Leukemia. , 2013, , 177-198.		2
1172	MicroRNAs in Human Cancer. Advances in Experimental Medicine and Biology, 2013, 774, 1-20.	0.8	606
1173	Micro-RNAs in inflammatory diseases and as a link between inflammation and cancer. Inflammation Research, 2013, 62, 343-355.	1.6	38
1174	A User-Friendly Computational Workflow for the Analysis of MicroRNA Deep Sequencing Data. Methods in Molecular Biology, 2013, 936, 35-45.	0.4	3
1175	Circulating miRNAs: novel biomarkers of acute coronary syndrome?. Biomarkers in Medicine, 2013, 7, 287-305.	0.6	22
1176	Micro <scp>RNA</scp> regulation of Tâ€cell development. Immunological Reviews, 2013, 253, 53-64.	2.8	51
1177	Micro <scp>RNA</scp> regulation of Tâ€cell differentiation and function. Immunological Reviews, 2013, 253, 65-81.	2.8	127
1178	Role of micro <scp>RNA</scp> s and longâ€nonâ€coding <scp>RNA</scp> s in <scp>CD</scp> 4 ⁺ Tâ€cell differentiation. Immunological Reviews, 2013, 253, 82-96.	2.8	79
1179	miRâ€155: an ancient regulator of the immune system. Immunological Reviews, 2013, 253, 146-157.	2.8	286
1180	Host microRNA molecular signatures associated with human H1N1 and H3N2 influenza A viruses reveal an unanticipated antiviral activity for miR-146a. Journal of General Virology, 2013, 94, 985-995.	1.3	76
1181	Transcriptomic Analysis of Peripheral Blood Mononuclear Cells in Rapid Progressors in Early HIV Infection Identifies a Signature Closely Correlated with Disease Progression. Clinical Chemistry, 2013, 59, 1175-1186.	1.5	42
1182	Role of microRNAs in the regulation of drug metabolism and disposition genes in diabetes and liver disease. Expert Opinion on Drug Metabolism and Toxicology, 2013, 9, 713-724.	1.5	10
1183	miRNAs link metabolic reprogramming to oncogenesis. Trends in Endocrinology and Metabolism, 2013, 24, 361-373.	3.1	72
1184	microRNA-16 represses colorectal cancer cell growth in vitro by regulating the p53/survivin signaling pathway. Oncology Reports, 2013, 29, 1652-1658.	1.2	75
1185	Formaldehyde and Epigenetic Alterations: MicroRNA Changes in the Nasal Epithelium of Nonhuman Primates. Environmental Health Perspectives, 2013, 121, 339-344.	2.8	47

#	ARTICLE	IF	CITATIONS
1186	miRNA regulatory variation in human evolution. Trends in Genetics, 2013, 29, 116-124.	2.9	34
1187	Identification and Verification of microRNAs by High-Throughput Sequencing. Methods in Molecular Biology, 2013, 983, 125-138.	0.4	7
1188	Novel findings in pain processing pathways: implications for miRNAs as future therapeutic targets. Expert Review of Neurotherapeutics, 2013, 13, 515-525.	1.4	34
1189	<pre><scp>mi</scp> <scp>RNA</scp> in the Regulation of Ion Channel/Transporter Expression. , 2013, 3, 599-653.</pre>		25
1190	The p53/microRNA Network in Cancer: Experimental and Bioinformatics Approaches. Advances in Experimental Medicine and Biology, 2013, 774, 77-101.	0.8	61
1191	Oxidative-stress-induced epigenetic changes in chronic diabetic complications. Canadian Journal of Physiology and Pharmacology, 2013, 91, 213-220.	0.7	48
1192	MicroRNAs in hematological malignancies. Blood Reviews, 2013, 27, 143-154.	2.8	53
1193	Anti-Apoptotic Effect of MicroRNA-21 after Contusion Spinal Cord Injury in Rats. Journal of Neurotrauma, 2013, 30, 1349-1360.	1.7	136
1194	MicroRNAs in the Aging Female Brain: A Putative Mechanism for Age-Specific Estrogen Effects. Endocrinology, 2013, 154, 2795-2806.	1.4	56
1195	Delivering the promise of miRNA cancer therapeutics. Drug Discovery Today, 2013, 18, 282-289.	3.2	260
1196	MicroRNAs in the regulation of TLR and RIG-I pathways. Cellular and Molecular Immunology, 2013, 10, 65-71.	4.8	122
1197	Managing MicroRNAs with Vector-Encoded Decoy-Type Inhibitors. Molecular Therapy, 2013, 21, 1478-1485.	3.7	56
1198	The dark matter rises: the expanding world of regulatory RNAs. Essays in Biochemistry, 2013, 54, 1-16.	2.1	73
1199	Post-transcriptional Regulation of \hat{l}_{\pm} -1-Antichymotrypsin by MicroRNA-137 in Chronic Heart Failure and Mechanical Support. Circulation: Heart Failure, 2013, 6, 853-861.	1.6	25
1200	Normalization of miRNA qPCR high-throughput data: a comparison of methods. Biotechnology Letters, 2013, 35, 843-851.	1.1	10
1201	An Oct4â€Sall4â€Nanog network controls developmental progression in the preâ€implantation mouse embryo. Molecular Systems Biology, 2013, 9, 632.	3.2	60
1202	Review: The Role of MicroRNAs in Osteoarthritis and Chondrogenesis. Arthritis and Rheumatism, 2013, 65, 1963-1974.	6.7	107
1203	Transcriptional profiling and miRNA-dependent regulatory network analysis of longissimus dorsi muscle during prenatal and adult stages in two distinct pig breeds. Animal Genetics, 2013, 44, 398-407.	0.6	17

#	Article	IF	CITATIONS
1204	The microRNA miR-155 controls CD8+ T cell responses by regulating interferon signaling. Nature Immunology, 2013, 14, 593-602.	7.0	249
1205	Circulating MicroRNAs: A Novel Class of Potential Biomarkers for Diagnosing and Prognosing Central Nervous System Diseases. Cellular and Molecular Neurobiology, 2013, 33, 601-613.	1.7	140
1206	MicroRNAs in the Pathogenesis of Viral Infections and Cancer. , 2013, , 43-61.		0
1207	Roles of MicroRNAs in the Life Cycles of Mammalian Viruses. Current Topics in Microbiology and Immunology, 2013, 371, 201-227.	0.7	33
1208	Regulating the Many to Benefit the Few: Role of Weak Small RNA Targets. Biophysical Journal, 2013, 104, 1773-1782.	0.2	21
1209	MicroRNA target site identification by integrating sequence and binding information. Nature Methods, 2013, 10, 630-633.	9.0	56
1210	Platelet microRNAs: From platelet biology to possible disease biomarkers and therapeutic targets. Platelets, 2013, 24, 579-589.	1.1	28
1211	MicroRNAs as pharmacological targets in endothelial cell function and dysfunction. Pharmacological Research, 2013, 75, 15-27.	3.1	90
1212	MicroRNA biomarkers in glioblastoma. Journal of Neuro-Oncology, 2013, 114, 13-23.	1.4	50
1213	MicroRNA miR-125b controls melanoma progression by direct regulation of c-Jun protein expression. Oncogene, 2013, 32, 2984-2991.	2.6	128
1214	Liposome Delivery of MicroRNA-145 to Mesenchymal Stem Cells Leads to Immunological Off-target Effects Mediated by RIG-I. Molecular Therapy, 2013, 21, 1169-1181.	3.7	57
1215	MicroRNA and Epigenetics: Diagnostic and Therapeutic Opportunities. Current Pathobiology Reports, 2013, 1, 43-52.	1.6	34
1216	Let-7b Is Involved in the Inflammation and Immune Responses Associated with Helicobacter pylori Infection by Targeting Toll-Like Receptor 4. PLoS ONE, 2013, 8, e56709.	1.1	144
1217	Diversifying microRNA sequence and function. Nature Reviews Molecular Cell Biology, 2013, 14, 475-488.	16.1	1,066
1218	Improved risk stratification in myeloma using a micro <scp>RNA</scp> â€based classifier. British Journal of Haematology, 2013, 162, 348-359.	1.2	53
1219	Reduction of dietary glycaemic load modifies the expression of microRNA potentially associated with energy balance and cancer pathways in pre-menopausal women. British Journal of Nutrition, 2013, 109, 585-592.	1.2	13
1220	Prioritization of Genetic Variants in the micro RNA Regulome as Functional Candidates in Genomeâ€Wide Association Studies. Human Mutation, 2013, 34, 1049-1056.	1.1	33
1221	Effects of miR-19b Overexpression on Proliferation, Differentiation, Apoptosis and Wnt/β-Catenin Signaling Pathway in P19 Cell Model of Cardiac Differentiation In Vitro. Cell Biochemistry and Biophysics, 2013, 66, 709-722.	0.9	47

#	Article	IF	CITATIONS
1222	Biomarkers for Drug-Induced Liver Injury. , 2013, , 275-286.		4
1223	Micro(RNA)managing Endoplasmic Reticulum Stress. IUBMB Life, 2013, 65, 373-381.	1.5	51
1224	Proto-oncogenic isoform A2 of eukaryotic translation elongation factor eEF1 is a target of miR-663 and miR-744. British Journal of Cancer, 2013, 108, 2304-2311.	2.9	84
1225	<scp>RNA</scp> regulation of the immune system. Immunological Reviews, 2013, 253, 5-11.	2.8	28
1226	miR-150 Down-Regulation Contributes to the Constitutive Type I Collagen Overexpression in Scleroderma Dermal Fibroblasts via the Induction ofÂlntegrin Î ² 3. American Journal of Pathology, 2013, 182, 206-216.	1.9	124
1227	MiR-183 family regulates chloride intracellular channel 5 expression in inner ear hair cells. Toxicology in Vitro, 2013, 27, 486-491.	1.1	21
1228	MiR-223 modulates multidrug resistance via downregulation of ABCB1 in hepatocellular carcinoma cells. Experimental Biology and Medicine, 2013, 238, 1024-1032.	1,1	101
1229	Post-Transcriptional Regulation of Cystic Fibrosis Transmembrane Conductance Regulator Expression and Function by MicroRNAs. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 544-551.	1.4	93
1230	Induced Pluripotent Stem Cells in Cardiovascular Drug Discovery. Circulation Research, 2013, 112, 534-548.	2.0	99
1231	MicroRNA and Cancer Chemoprevention. Cancer Prevention Research, 2013, 6, 401-409.	0.7	34
1232	MicroRNA-26a Is Strongly Downregulated in Melanoma and Induces Cell Death through Repression of Silencer of Death Domains (SODD). Journal of Investigative Dermatology, 2013, 133, 1286-1293.	0.3	49
1233	miRNA-95 Mediates Radioresistance in Tumors by Targeting the Sphingolipid Phosphatase SGPP1. Cancer Research, 2013, 73, 6972-6986.	0.4	127
1234	A useful method of identifying of miRNAs which can down-regulate Zeb-2. BMC Research Notes, 2013, 6, 470.	0.6	13
1235	Systematic Screen Identifies miRNAs That Target RAD51 and RAD51D to Enhance Chemosensitivity. Molecular Cancer Research, 2013, 11, 1564-1573.	1.5	86
1236	MicroRNA-143 inhibits cell migration and invasion by targeting matrix metalloproteinase 13 in prostate cancer. Molecular Medicine Reports, 2013, 8, 626-630.	1.1	50
1237	Hyper conserved elements in vertebrate mRNA 3′-UTRs reveal a translational network of RNA-binding proteins controlled by HuR. Nucleic Acids Research, 2013, 41, 3201-3216.	6.5	38
1238	miR-7a alleviates the maintenance of neuropathic pain through regulation of neuronal excitability. Brain, 2013, 136, 2738-2750.	3.7	124
1239	MicroRNA Profile to Predict Gemcitabine Resistance in Bladder Carcinoma Cell Lines. Genes and Cancer, 2013, 4, 61-69.	0.6	40

#	Article	IF	Citations
1240	Integrated analysis of microRNA and mRNA expression: adding biological significance to microRNA target predictions. Nucleic Acids Research, 2013, 41, e146-e146.	6.5	58
1241	miRmap web: comprehensive microRNA target prediction online. Nucleic Acids Research, 2013, 41, W165-W168.	6.5	137
1242	MicroRNA in Diabetic Nephropathy: Renin Angiotensin, AGE/RAGE, and Oxidative Stress Pathway. Journal of Diabetes Research, 2013, 2013, 1-11.	1.0	46
1243	Advances in the Techniques for the Prediction of microRNA Targets. International Journal of Molecular Sciences, 2013, 14, 8179-8187.	1.8	46
1244	Alterations in Polyadenylation and Its Implications for Endocrine Disease. Frontiers in Endocrinology, 2013, 4, 53.	1.5	36
1245	MicroRNAs as Novel Regulators of Neuroinflammation. Mediators of Inflammation, 2013, 2013, 1-11.	1.4	43
1246	MicroRNA Expression Profiling of the Porcine Developing Hypothalamus and Pituitary Tissue. International Journal of Molecular Sciences, 2013, 14, 20326-20339.	1.8	20
1247	Characterization of microRNAs in Mud Crab Scylla paramamosain under Vibrio parahaemolyticus Infection. PLoS ONE, 2013, 8, e73392.	1.1	26
1248	Long and Short Non-Coding RNAs as Regulators of Hematopoietic Differentiation. International Journal of Molecular Sciences, 2013, 14, 14744-14770.	1.8	58
1249	Principles of miRNA-Target Regulation in Metazoan Models. International Journal of Molecular Sciences, 2013, 14, 16280-16302.	1.8	23
1250	Large scale chromosomal mapping of human microRNA structural clusters. Nucleic Acids Research, 2013, 41, 4392-4408.	6.5	48
1251	Regulation of Huntingtin Gene Expression by miRNA-137, -214, -148a, and Their Respective isomiRs. International Journal of Molecular Sciences, 2013, 14, 16999-17016.	1.8	41
1252	Plasma miRNAs as Biomarkers to Identify Patients with Castration-Resistant Metastatic Prostate Cancer. International Journal of Molecular Sciences, 2013, 14, 7757-7770.	1.8	122
1253	How MicroRNA and Transcription Factor Co-regulatory Networks Affect Osteosarcoma Cell Proliferation. PLoS Computational Biology, 2013, 9, e1003210.	1.5	68
1254	Are Differences in MicroRNA Regulation Implicated in Species-Dependent Response to Toxicological Exposures?. Toxicological Sciences, 2013, 131, 337-342.	1.4	18
1255	MicroRNA-Regulated Protein-Protein Interaction Networks and Their Functions in Breast Cancer. International Journal of Molecular Sciences, 2013, 14, 11560-11606.	1.8	56
1256	MGMT expression: insights into its regulation. 1. Epigenetic factors. Biopolymers and Cell, 2013, 29, 99-106.	0.1	1
1257	Microtubules: greater than the sum of the parts. Biochemical Society Transactions, 2013, 41, 1736-1744.	1.6	7

#	Article	IF	CITATIONS
1258	Female-Specific Hypertension Loci on Rat Chromosome 13. Hypertension, 2013, 62, 557-563.	1.3	16
1259	miR-182 and miR-10a Are Key Regulators of Treg Specialisation and Stability during Schistosome and Leishmania-associated Inflammation. PLoS Pathogens, 2013, 9, e1003451.	2.1	105
1260	Dissection of Regulatory Networks that Are Altered in Disease via Differential Co-expression. PLoS Computational Biology, 2013, 9, e1002955.	1.5	164
1261	Wnt Signaling Regulates the Lineage Differentiation Potential of Mouse Embryonic Stem Cells through Tcf3 Down-Regulation. PLoS Genetics, 2013, 9, e1003424.	1.5	76
1262	Developing microRNA screening as a functional genomics tool for disease research. Frontiers in Physiology, 2013, 4, 223.	1.3	16
1263	pseudoMap: an innovative and comprehensive resource for identification of siRNA-mediated mechanisms in human transcribed pseudogenes. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat001-bat001.	1.4	7
1264	Regulation of TLR2-Mediated Tolerance and Cross-Tolerance through IRAK4 Modulation by miR-132 and miR-212. Journal of Immunology, 2013, 190, 1250-1263.	0.4	150
1265	Modulation of epigenetic regulators and cell fate decisions by miRNAs. Epigenomics, 2013, 5, 671-683.	1.0	42
1266	miRDeep*: an integrated application tool for miRNA identification from RNA sequencing data. Nucleic Acids Research, 2013, 41, 727-737.	6.5	212
1267	Alterations of DNA methylome in human bladder cancer. Epigenetics, 2013, 8, 1013-1022.	1.3	55
1268	MicroRNA-185 oscillation controls circadian amplitude of mouse Cryptochrome 1 via translational regulation. Molecular Biology of the Cell, 2013, 24, 2248-2255.	0.9	34
1269	Using microRNA as an Alternative Treatment for Hyperlipidemia and Cardiovascular Disease. Journal of Cardiovascular Pharmacology, 2013, 62, 247-254.	0.8	24
1270	The Downregulation of microRNA let-7a Contributes to the Excessive Expression of Type I Collagen in Systemic and Localized Scleroderma. Journal of Immunology, 2013, 190, 3905-3915.	0.4	142
1271	MicroRNA-584 and the Protein Phosphatase and Actin Regulator 1 (PHACTR1), a New Signaling Route through Which Transforming Growth Factor-β Mediates the Migration and Actin Dynamics of Breast Cancer Cells. Journal of Biological Chemistry, 2013, 288, 11807-11823.	1.6	65
1272	miRNA repression of translation inÂvitro takes place during 43S ribosomal scanning. Nucleic Acids Research, 2013, 41, 586-598.	6.5	53
1273	Prognostic significance of serum microRNA-221 expression in human epithelial ovarian cancer. Journal of International Medical Research, 2013, 41, 64-71.	0.4	77
1274	Transcribed pseudogene Ï^PPM1K generates endogenous siRNA to suppress oncogenic cell growth in hepatocellular carcinoma. Nucleic Acids Research, 2013, 41, 3734-3747.	6.5	57
1275	MicroRNAs and respiratory diseases. European Respiratory Journal, 2013, 41, 695-705.	3.1	74

#	Article	IF	CITATIONS
1276	Novel small RNA expression libraries uncover hsa-miR-30b and hsa-miR-30c as important factors in anoikis resistance. Rna, 2013, 19, 1711-1725.	1.6	12
1277	MicroRNAs in the pathophysiology and treatment of status epilepticus. Frontiers in Molecular Neuroscience, 2013, 6, 37.	1.4	55
1278	Ectopic expression of miR-34a enhances radiosensitivity of non-small cell lung cancer cells, partly by suppressing the LyGDI signaling pathway. Journal of Radiation Research, 2013, 54, 611-619.	0.8	49
1279	The Impact of Trans-Regulation on the Evolutionary Rates of Metazoan Proteins. Nucleic Acids Research, 2013, 41, 6371-6380.	6.5	7
1280	Nuclear Receptors and microRNA-144 Coordinately Regulate Cholesterol Efflux. Circulation Research, 2013, 112, 1529-1531.	2.0	8
1281	Genetic regulation of human adipose microRNA expression and its consequences for metabolic traits. Human Molecular Genetics, 2013, 22, 3023-3037.	1.4	72
1282	Active Stabilization of Human Endothelial Nitric Oxide Synthase mRNA by hnRNP E1 Protects against Antisense RNA and MicroRNAs. Molecular and Cellular Biology, 2013, 33, 2029-2046.	1.1	54
1283	Local Inhibition of MicroRNA-24 Improves Reparative Angiogenesis and Left Ventricle Remodeling and Function in Mice With Myocardial Infarction. Molecular Therapy, 2013, 21, 1390-1402.	3.7	127
1284	In vitro optimization of 2′-OMe-4′-thioribonucleoside–modified anti-microRNA oligonucleotides and its targeting delivery to mouse liver using a liposomal nanoparticle. Nucleic Acids Research, 2013, 41, 10659-10667.	6.5	49
1285	Interplay of microRNAs, transcription factors and target genes: linking dynamic expression changes to function. Nucleic Acids Research, 2013, 41, 2817-2831.	6.5	130
1286	MicroRNA Expression Profiling in HCV-Infected Human Hepatoma Cells Identifies Potential Anti-Viral Targets Induced by Interferon-1±. PLoS ONE, 2013, 8, e55733.	1.1	61
1287	miR-375 regulates rat alveolar epithelial cell trans-differentiation by inhibiting Wnt/Â-catenin pathway. Nucleic Acids Research, 2013, 41, 3833-3844.	6.5	97
1288	Hsp90 cochaperones p23 and FKBP4 physically interact with hAgo2 and activate RNA interference–mediated silencing in mammalian cells. Molecular Biology of the Cell, 2013, 24, 2303-2310.	0.9	33
1289	Characterization of Novel Precursor miRNAs Using Next Generation Sequencing and Prediction of miRNA Targets in Atlantic Halibut. PLoS ONE, 2013, 8, e61378.	1.1	27
1290	Estrogen receptor expression induces changes in the microRNA pool in human colon cancer cells. Carcinogenesis, 2013, 34, 1431-1441.	1,3	61
1291	miR-9 and miR-140-5p Target <i>FoxP2</i> and Are Regulated as a Function of the Social Context of Singing Behavior in Zebra Finches. Journal of Neuroscience, 2013, 33, 16510-16521.	1.7	44
1292	The not-so-neutral role of microRNAs in neutrophil biology. Journal of Leukocyte Biology, 2013, 94, 575-583.	1.5	34
1293	DIANA-LncBase: experimentally verified and computationally predicted microRNA targets on long non-coding RNAs. Nucleic Acids Research, 2013, 41, D239-D245.	6.5	327

#	Article	IF	CITATIONS
1294	MREdictor: a two-step dynamic interaction model that accounts for mRNA accessibility and Pumilio binding accurately predicts microRNA targets. Nucleic Acids Research, 2013, 41, 8421-8433.	6.5	25
1295	Physiological modulation of endogenous BRCA1 p220 abundance suppresses DNA damage during the cell cycle. Genes and Development, 2013, 27, 2274-2291.	2.7	20
1296	Circulating MicroRNAs as Biomarkers of Prostate Cancer: The State of Play. Prostate Cancer, 2013, 2013, 1-10.	0.4	48
1297	Single Nucleotide Polymorphisms Associated with MicroRNA Regulation. Biomolecules, 2013, 3, 287-302.	1.8	51
1298	The Transcriptomics to Proteomics of Hair Cell Regeneration: Looking for a Hair Cell in a Haystack. Microarrays (Basel, Switzerland), 2013, 2, 186-207.	1.4	5
1299	siRNA Genome Screening Approaches to Therapeutic Drug Repositioning. Pharmaceuticals, 2013, 6, 124-160.	1.7	25
1300	Role of microRNAs in Lung Development and Pulmonary Diseases. Pulmonary Circulation, 2013, 3, 315-328.	0.8	142
1301	SomamiR: a database for somatic mutations impacting microRNA function in cancer. Nucleic Acids Research, 2013, 41, D977-D982.	6.5	87
1302	A Myc–microRNA network promotes exit from quiescence by suppressing the interferon response and cell-cycle arrest genes. Nucleic Acids Research, 2013, 41, 2239-2254.	6.5	49
1303	MicroRNA 9-3p Targets \hat{l}^2 (sub>1 Integrin To Sensitize Claudin-Low Breast Cancer Cells to MEK Inhibition. Molecular and Cellular Biology, 2013, 33, 2260-2274.	1.1	44
1304	MicroRNAs as Haematopoiesis Regulators. Advances in Hematology, 2013, 2013, 1-20.	0.6	88
1305	Making Sense in Antisense: Therapeutic Potential of Noncoding RNAs in Diabetes-Induced Vascular Dysfunction. Journal of Diabetes Research, 2013, 2013, 1-10.	1.0	11
1306	Target Gene and Function Prediction of Differentially Expressed MicroRNAs in Lactating Mammary Glands of Dairy Goats. International Journal of Genomics, 2013, 2013, 1-13.	0.8	24
1307	Tumor Suppressor Functions of miR-133a in Colorectal Cancer. Molecular Cancer Research, 2013, 11, 1051-1060.	1.5	98
1308	<i>Drosophila</i> miR-277 controls branched-chain amino acid catabolism and affects lifespan. RNA Biology, 2013, 10, 1042-1056.	1.5	67
1309	Tumor suppressor miR-375 regulates MYC expression via repression of CIP2A coding sequence through multiple miRNA–mRNA interactions. Molecular Biology of the Cell, 2013, 24, 1638-1648.	0.9	87
1310	Minimum intervention dentistry in oral medicine. Australian Dental Journal, 2013, 58, 85-94.	0.6	11
1311	Noncanonical microRNAs and endogenous siRNAs in normal and psoriatic human skin. Human Molecular Genetics, 2013, 22, 737-748.	1.4	43

#	Article	IF	Citations
1312	A geometrical parametrization of $C1\hat{a}\in^2$ - $C5\hat{a}\in^2$ RNA ribose chemical shifts calculated by density functional theory. Journal of Chemical Physics, 2013, 139, 034101.	1.2	12
1313	MicroRNAs in domestic livestock. Physiological Genomics, 2013, 45, 685-696.	1.0	38
1314	Tumorâ€suppressive <i>micro<scp>RNA</scp>â€143/145</i> cluster targets hexokinaseâ€2 in renal cell carcinoma. Cancer Science, 2013, 104, 1567-1574.	1.7	118
1315	MicroRNAs in platelet production and activation. Journal of Thrombosis and Haemostasis, 2013, 11, 340-350.	1.9	87
1316	Negative regulation of Toll-like receptor 4 signaling by IL-10–dependent microRNA-146b. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11499-11504.	3.3	270
1317	MiR-26b is down-regulated in carcinoma-associated fibroblasts from ER-positive breast cancers leading to enhanced cell migration and invasion. Journal of Pathology, 2013, 231, 388-399.	2.1	103
1318	The sugar phosphate/phosphate exchanger family <scp>SLC37</scp> . Environmental Sciences Europe, 2013, 2, 255-264.	2.6	2
1319	Biomarkers of <i> <i> Helicobacter pylori </i> > </i> > associated gastric cancer. Gut Microbes, 2013, 4, 532-540.	4.3	20
1320	Data Mining Based Analysis of Genomic Location Shifts of Conserved Annotated miRNA Genes gives Preliminary Insights on Molecular Network Evolution. , 2013, , .		0
1321	microRNA-17–92 Regulates IL-10 Production by Regulatory T Cells and Control of Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2013, 191, 1594-1605.	0.4	104
1322	microRNA-17 regulates the expression of ATG7 and modulates the autophagy process, improving the sensitivity to temozolomide and low-dose ionizing radiation treatments in human glioblastoma cells. Cancer Biology and Therapy, 2013, 14, 574-586.	1.5	151
1323	Contribution of Long Noncoding RNAs to Autism Spectrum Disorder Risk. International Review of Neurobiology, 2013, 113, 35-59.	0.9	39
1324	Signaling between Transforming Growth Factor \hat{l}^2 (TGF- \hat{l}^2) and Transcription Factor SNAI2 Represses Expression of MicroRNA miR-203 to Promote Epithelial-Mesenchymal Transition and Tumor Metastasis. Journal of Biological Chemistry, 2013, 288, 10241-10253.	1.6	147
1325	MicroRNA-directed program of cytotoxic CD8 ⁺ T-cell differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18608-18613.	3.3	80
1326	MicroRNAs miR-30b, miR-30d, and miR-494 Regulate Human Endometrial Receptivity. Reproductive Sciences, 2013, 20, 308-317.	1.1	169
1327	MicroRNA-15a and MicroRNA-16 Impair Human Circulating Proangiogenic Cell Functions and Are Increased in the Proangiogenic Cells and Serum of Patients With Critical Limb Ischemia. Circulation Research, 2013, 112, 335-346.	2.0	180
1328	MicroRNAs in the tumour microenvironment: big role for small players. Endocrine-Related Cancer, 2013, 20, R257-R267.	1.6	47
1329	Classification of follicular cell-derived thyroid cancer by global RNA profiling. Journal of Molecular Endocrinology, 2013, 50, R39-R51.	1.1	30

#	Article	IF	Citations
1330	A high-throughput screen identifies miRNA inhibitors regulating lung cancer cell survival and response to paclitaxel. RNA Biology, 2013, 10, 1700-1713.	1.5	37
1331	Altered expression of the miRNA processing endoribonuclease Dicer has prognostic significance in human cancers. Expert Review of Anticancer Therapy, 2013, 13, 21-27.	1.1	14
1332	Polymorphisms affecting miRNA regulation: a new level of genetic variation affecting disorders and diseases of the human CNS. Future Neurology, 2013, 8, 411-431.	0.9	3
1334	Mir143 expression inversely correlates with nuclear ERK5 immunoreactivity in clinical prostate cancer. British Journal of Cancer, 2013, 108, 149-154.	2.9	35
1335	Tumor suppressive miR-124 targets androgen receptor and inhibits proliferation of prostate cancer cells. Oncogene, 2013, 32, 4130-4138.	2.6	150
1336	MicroRNA-146a Negatively Regulates the Immunoregulatory Activity of Bone Marrow Stem Cells by Targeting Prostaglandin E2 Synthase-2. Journal of Immunology, 2013, 190, 5102-5109.	0.4	41
1337	Epigenetic silencing of monoallelically methylated miRNA loci in precancerous colorectal lesions. Oncogenesis, 2013, 2, e56-e56.	2.1	43
1338	De-targeting by miR-143 decreases unwanted transgene expression in non-tumorigenic cells. Gene Therapy, 2013, 20, 1104-1109.	2.3	12
1339	Current status of systemic sclerosis biomarkers: applications for diagnosis, management and drug development. Expert Review of Clinical Immunology, 2013, 9, 1077-1090.	1.3	32
1340	Expression of innate immune genes, proteins and microRNAs in lung tissue of pigs infected experimentally with influenza virus (H1N2). Innate Immunity, 2013, 19, 531-544.	1.1	93
1341	Distinct MicroRNA Expression Profile and Targeted Biological Pathways in Functional Myeloid-derived Suppressor Cells Induced by Δ9-Tetrahydrocannabinol in Vivo. Journal of Biological Chemistry, 2013, 288, 36810-36826.	1.6	83
1342	Reconstructing dynamic microRNA-regulated interaction networks. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15686-15691.	3.3	59
1343	p38α Mitogen-Activated Protein Kinase Depletion and Repression of Signal Transduction to Translation Machinery by miR-124 and -128 in Neurons. Molecular and Cellular Biology, 2013, 33, 127-135.	1.1	39
1344	Kaposi's Sarcoma-Associated Herpesvirus Encodes a Mimic of Cellular miR-23. Journal of Virology, 2013, 87, 11821-11830.	1.5	37
1345	MiR-210 Is Induced by Oct-2, Regulates B Cells, and Inhibits Autoantibody Production. Journal of Immunology, 2013, 191, 3037-3048.	0.4	48
1346	Tertiary structure-based analysis of microRNA–target interactions. Rna, 2013, 19, 539-551.	1.6	23
1347	Transcriptional Regulation Patterns Revealed by High Resolution Chromatin Immunoprecipitation during Cardiac Hypertrophy. Journal of Biological Chemistry, 2013, 288, 2546-2558.	1.6	54
1348	miR-153 Supports Colorectal Cancer Progression via Pleiotropic Effects That Enhance Invasion and Chemotherapeutic Resistance. Cancer Research, 2013, 73, 6435-6447.	0.4	132

#	Article	IF	Citations
1349	The human transcriptome is enriched for miRNA-binding sites located in cooperativity-permitting distance. RNA Biology, 2013, 10, 1125-1135.	1.5	38
1350	Post-transcriptional regulation of cytokine mRNA controls the initiation and resolution of inflammation. Biotechnology and Genetic Engineering Reviews, 2013, 29, 49-60.	2.4	36
1351	Small RNA-mediated regulation of host–pathogen interactions. Virulence, 2013, 4, 785-795.	1.8	64
1352	MicroRNA 210 as a Biomarker for Congestive Heart Failure. Biological and Pharmaceutical Bulletin, 2013, 36, 48-54.	0.6	94
1356	A dynamic interplay between alternative polyadenylation and microRNA regulation: Implications for cancer. International Journal of Oncology, 2013, 43, 995-1001.	1.4	23
1357	Single nucleotide variation in the TP53 3′ untranslated region in diffuse large B-cell lymphoma treated with rituximab-CHOP: a report from the International DLBCL Rituximab-CHOP Consortium Program. Blood, 2013, 121, 4529-4540.	0.6	41
1361	Phenotypic Plasticity, CYP19A1 Pleiotropy, and Maladaptive Selection in Developmental Disorders. SAGE Open, 2013, 3, 215824401348447.	0.8	0
1362	BayMiR: inferring evidence for endogenous miRNA-induced gene repression from mRNA expression profiles. BMC Genomics, 2013, 14, 592.	1.2	3
1363	Integrated genomic analysis of triple-negative breast cancers reveals novel microRNAs associated with clinical and molecular phenotypes and sheds light on the pathways they control. BMC Genomics, 2013, 14, 643.	1.2	76
1364	The tumor suppressor gene RhoBTB1 is a novel target of miR-31 in human colon cancer. International Journal of Oncology, 2013, 42, 676-682.	1.4	49
1365	Molecular Biology of Lung Cancer. Chest, 2013, 143, e30S-e39S.	0.4	65
1366	microRNAs: Innovative Targets for Cerebral Ischemia and Stroke. Current Drug Targets, 2013, 14, 90-101.	1.0	136
1367	Proteomic identification of target proteins following Drosha knockdown in cervical cancer. Oncology Reports, 2013, 30, 2229-2237.	1.2	5
1368	MicroRNA Deregulations in Head and Neck Squamous Cell Carcinomas. Journal of Oral & Maxillofacial Research, 2013, 4, e2.	0.3	93
1369	Genistein Inhibits Prostate Cancer Cell Growth by Targeting miR-34a and Oncogenic HOTAIR. PLoS ONE, 2013, 8, e70372.	1.1	259
1370	A Review of Computational Tools in microRNA Discovery. Frontiers in Genetics, 2013, 4, 81.	1.1	86
1371	Expression of Regulatory Platelet MicroRNAs in Patients with Sickle Cell Disease. PLoS ONE, 2013, 8, e60932.	1.1	21
1372	A polymorphism in the 3'-untranslated region of the NPM1 gene causes illegitimate regulation by microRNA-337-5p and correlates with adverse outcome in acute myeloid leukemia. Haematologica, 2013, 98, 913-917.	1.7	12

#	Article	IF	CITATIONS
1373	Let-7: A regulator of the ER \hat{l} ± signaling pathway in human breast tumors and breast cancer stem cells. Oncology Reports, 2013, 29, 2079-2087.	1.2	59
1374	Involvement of microRNA-335-5p in cytoskeleton dynamics in mouse oocytes. Reproduction, Fertility and Development, 2013, 25, 691.	0.1	25
1375	Individual and combined effects of DNA methylation and copy number alterations on miRNA expression in breast tumors. Genome Biology, 2013, 14, R126.	13.9	80
1376	miR-216a and miR-216b as markers for acute phased pancreatic injury. Biomedical Research, 2013, 34, 179-188.	0.3	45
1377	Overexpression of hsa-miR-125b during osteoblastic differentiation does not influence levels of Runx2, osteopontin, and ALPL gene expression. Brazilian Journal of Medical and Biological Research, 2013, 46, 676-680.	0.7	8
1378	MicroRNA in the Diseased Pulmonary Vasculature: Implications for the Basic Scientist and Clinician. Journal of the Korean Society of Hypertension, 2013, 19, 1.	0.2	2
1379	The miRNA let-7a1 inhibits the expression of insulin-like growth factor 1 receptor (IGF1R) in prostate cancer PC-3 cells. Asian Journal of Andrology, 2013, 15, 753-758.	0.8	15
1380	Targeting of Androgen Receptor Expression by Andro-miRs as Novel Adjunctive Therapeutics in Prostate Cancer. Journal of Cancer Therapy, 2013, 04, 47-58.	0.1	3
1381	Deep sequencing identifies circulating mouse miRNAs that are functionally implicated in manifestations of aging and responsive to calorie restriction. Aging, 2013, 5, 130-141.	1.4	67
1382	In-Silico Algorithms for the Screening of Possible microRNA Binding Sites and Their Interactions. Current Genomics, 2013, 14, 127-136.	0.7	63
1383	A simple high-throughput technology enables gain-of-function screening of human microRNAs. BioTechniques, 2013, 54, 77-86.	0.8	8
1384	The Sequence Structures of Human MicroRNA Molecules and Their Implications. PLoS ONE, 2013, 8, e54215.	1.1	56
1385	Discovery and Validation of Barrett's Esophagus MicroRNA Transcriptome by Next Generation Sequencing. PLoS ONE, 2013, 8, e54240.	1.1	20
1386	miRNA Gene Promoters Are Frequent Targets of Aberrant DNA Methylation in Human Breast Cancer. PLoS ONE, 2013, 8, e54398.	1.1	110
1387	Large Domain Motions in Ago Protein Controlled by the Guide DNA-Strand Seed Region Determine the Ago-DNA-mRNA Complex Recognition Process. PLoS ONE, 2013, 8, e54620.	1.1	16
1388	Genetic Variations Creating MicroRNA Target Sites in the FXN 3′-UTR Affect Frataxin Expression in Friedreich Ataxia. PLoS ONE, 2013, 8, e54791.	1.1	24
1389	Differential MicroRNA Regulation Correlates with Alternative Polyadenylation Pattern between Breast Cancer and Normal Cells. PLoS ONE, 2013, 8, e56958.	1.1	29
1390	Next Generation Sequencing Reveals the Expression of a Unique miRNA Profile in Response to a Gram-Positive Bacterial Infection. PLoS ONE, 2013, 8, e57543.	1.1	93

#	Article	IF	CITATIONS
1391	The miR-183/Taok1 Target Pair Is Implicated in Cochlear Responses to Acoustic Trauma. PLoS ONE, 2013, 8, e58471.	1.1	35
1392	Defining the Sequence Elements and Candidate Genes for the Coloboma Mutation. PLoS ONE, 2013, 8, e60267.	1.1	4
1393	MicroRNA-486-3p Regulates \hat{I}^3 -Globin Expression in Human Erythroid Cells by Directly Modulating BCL11A. PLoS ONE, 2013, 8, e60436.	1.1	102
1394	De-Regulated MicroRNAs in Pediatric Cancer Stem Cells Target Pathways Involved in Cell Proliferation, Cell Cycle and Development. PLoS ONE, 2013, 8, e61622.	1.1	48
1395	Post-Transcriptional Dysregulation by miRNAs Is Implicated in the Pathogenesis of Gastrointestinal Stromal Tumor [GIST]. PLoS ONE, 2013, 8, e64102.	1.1	33
1396	Genome-Wide Small RNA Sequencing and Gene Expression Analysis Reveals a microRNA Profile of Cancer Susceptibility in ATM-Deficient Human Mammary Epithelial Cells. PLoS ONE, 2013, 8, e64779.	1.1	8
1397	Deep Sequencing the MicroRNA Transcriptome in Colorectal Cancer. PLoS ONE, 2013, 8, e66165.	1.1	132
1398	DGCR8-Mediated Production of Canonical Micrornas Is Critical for Regulatory T Cell Function and Stability. PLoS ONE, 2013, 8, e66282.	1.1	22
1399	miR-379 Regulates Cyclin B1 Expression and Is Decreased in Breast Cancer. PLoS ONE, 2013, 8, e68753.	1.1	75
1400	Profiling of Circulating MicroRNAs after a Bout of Acute Resistance Exercise in Humans. PLoS ONE, 2013, 8, e70823.	1.1	102
1401	MicroRNA-196a Is a Putative Diagnostic Biomarker and Therapeutic Target for Laryngeal Cancer. PLoS ONE, 2013, 8, e71480.	1.1	70
1402	The MicroRNAome of Pregnancy: Deciphering miRNA Networks at the Maternal-Fetal Interface. PLoS ONE, 2013, 8, e72264.	1.1	55
1403	Direct Quantification of mRNA and miRNA from Cell Lysates Using Reverse Transcription Real Time PCR: A Multidimensional Analysis of the Performance of Reagents and Workflows. PLoS ONE, 2013, 8, e72463.	1.1	25
1404	Dissection of miRNA-miRNA Interaction in Esophageal Squamous Cell Carcinoma. PLoS ONE, 2013, 8, e73191.	1.1	27
1405	A Network-Based Method to Assess the Statistical Significance of Mild Co-Regulation Effects. PLoS ONE, 2013, 8, e73413.	1.1	19
1406	Performance Comparison of Digital microRNA Profiling Technologies Applied on Human Breast Cancer Cell Lines. PLoS ONE, 2013, 8, e75813.	1.1	25
1407	Involvement of miRNAs in the Differentiation of Human Glioblastoma Multiforme Stem-Like Cells. PLoS ONE, 2013, 8, e77098.	1.1	64
1408	Role of MicroRNA 1207-5P and Its Host Gene, the Long Non-Coding RNA Pvt1, as Mediators of Extracellular Matrix Accumulation in the Kidney: Implications for Diabetic Nephropathy. PLoS ONE, 2013, 8, e77468.	1.1	135

#	Article	IF	CITATIONS
1409	A New Short Oligonucleotide-Based Strategy for the Precursor-Specific Regulation of microRNA Processing by Dicer. PLoS ONE, 2013, 8, e77703.	1.1	17
1410	MiRNAs Which Target CD3 Subunits Could Be Potential Biomarkers for Cancers. PLoS ONE, 2013, 8, e78790.	1.1	7
1411	Epigenetic Regulation and Functional Characterization of MicroRNA-142 in Mesenchymal Cells. PLoS ONE, 2013, 8, e79231.	1.1	20
1412	microRNA as a Potential Vector for the Propagation of Robustness in Protein Expression and Oscillatory Dynamics within a ceRNA Network. PLoS ONE, 2013, 8, e83372.	1.1	15
1413	The Noncoding RNA Expression Profile and the Effect of lncRNA AK126698 on Cisplatin Resistance in Non-Small-Cell Lung Cancer Cell. PLoS ONE, 2013, 8, e65309.	1.1	242
1414	Expression of miR-142-5p in Peripheral Blood Mononuclear Cells from Renal Transplant Patients with Chronic Antibody-Mediated Rejection. PLoS ONE, 2013, 8, e60702.	1.1	78
1415	Identification of Host Kinase Genes Required for Influenza Virus Replication and the Regulatory Role of MicroRNAs. PLoS ONE, 2013, 8, e66796.	1,1	55
1416	Potential Impact of miR-137 and Its Targets in Schizophrenia. Frontiers in Genetics, 2013, 4, 58.	1.1	104
1417	Mammalian miRNA curation through next-generation sequencing. Frontiers in Genetics, 2013, 4, 145.	1.1	36
1418	Combined fluorescent in situ hybridization for detection of microRNAs and immunofluorescent labeling for cell-type markers. Frontiers in Cellular Neuroscience, 2013, 7, 160.	1.8	43
1419	Plasmid-based target protectors allow specific blockade of miRNA silencing activity in mammalian developmental systems. Frontiers in Cellular Neuroscience, 2013, 7, 163.	1.8	27
1420	MicroRNAs: fundamental regulators of gene expression in major affective disorders and suicidal behavior?. Frontiers in Cellular Neuroscience, 2013, 7, 208.	1.8	6
1421	Small RNA sequencing-microarray analyses in Parkinson leukocytes reveal deep brain stimulation-induced splicing changes that classify brain region transcriptomes. Frontiers in Molecular Neuroscience, 2013, 6, 10.	1.4	114
1422	RISC in PD: the impact of microRNAs in Parkinson's disease cellular and molecular pathogenesis. Frontiers in Molecular Neuroscience, 2013, 6, 40.	1.4	68
1423	A Versatile Tool for Stable Inhibition of microRNA Activity. Biology, 2013, 2, 861-871.	1.3	3
1424	Influence of microRNA on the Maintenance of Human Iron Metabolism. Nutrients, 2013, 5, 2611-2628.	1.7	48
1425	Integrating microRNAs into the complexity of gonadotropin signaling networks. Frontiers in Cell and Developmental Biology, 2013, $1, 3$.	1.8	9
1426	MicroRNAs and liver cancer associated with iron overload: Therapeutic targets unravelled. World Journal of Gastroenterology, 2013, 19, 5212.	1.4	52

#	Article	IF	CITATIONS
1427	Genetic and molecular alterations in pancreatic cancer: Implications for personalized medicine. Medical Science Monitor, 2013, 19, 916-926.	0.5	38
1428	Vitamin D and MicroRNAs in Bone. Critical Reviews in Eukaryotic Gene Expression, 2013, 23, 195-214.	0.4	53
1429	Integrative Approaches for microRNA Target Prediction: Combining Sequence Information and the Paired mRNA and miRNA Expression Profiles. Current Bioinformatics, 2013, 8, 37-45.	0.7	16
1430	Post-Transcriptional Regulation of Proto-Oncogene c-fms in Breast Cancer. , 0, , .		1
1431	microRNA: New Players in Metastatic Process. , 2013, , .		2
1432	MicroRNAome of Vascular Smooth Muscle Cells: Potential for MicroRNA-Based Vascular Therapies. , 2013, , .		2
1433	Inflammatory Microenvironment in Prostate Carcinogenesis., 2013,,.		1
1434	MicroRNA: Regulation of P450 and Pharmacogenetics. , 2014, , 385-401.		3
1435	MicroRNAs and Long Non-Coding RNAs in Pancreatic Beta Cell Function. , 2014, , 379-392.		0
1436	MicroRNA-155 is Dysregulated in the Skin of Patients with Vitiligo and Inhibits Melanogenesis-associated Genes in Melanocytes and Keratinocytes. Acta Dermato-Venereologica, 2014, 96, 742-7.	0.6	23
1437	Genome-Wide Analysis of miRNA Signature in the APPswe/PS11"E9 Mouse Model of Alzheimer's Disease. PLoS ONE, 2014, 9, e101725.	1.1	23
1438	Identification of Tissue microRNAs Predictive of Sunitinib Activity in Patients with Metastatic Renal Cell Carcinoma. PLoS ONE, 2014, 9, e86263.	1.1	76
1439	MiR-525-3p Enhances the Migration and Invasion of Liver Cancer Cells by Downregulating ZNF395. PLoS ONE, 2014, 9, e90867.	1.1	33
1440	Expression of miR-33 from an SREBF2 Intron Targets the FTO Gene in the Chicken. PLoS ONE, 2014, 9, e91236.	1.1	23
1441	Characterisation and Comparison of Lactating Mouse and Bovine Mammary Gland miRNomes. PLoS ONE, 2014, 9, e91938.	1.1	61
1442	Differentially Expressed miRNAs in Ewing Sarcoma Compared to Mesenchymal Stem Cells: Low miR-31 Expression with Effects on Proliferation and Invasion. PLoS ONE, 2014, 9, e93067.	1.1	34
1443	Characterization of Human Pseudogene-Derived Non-Coding RNAs for Functional Potential. PLoS ONE, 2014, 9, e93972.	1.1	51
1444	Diversity and Expression of MicroRNAs in the Filarial Parasite, Brugia malayi. PLoS ONE, 2014, 9, e96498.	1.1	29

#	Article	IF	Citations
1445	Functional Screening Identifies miRNAs Influencing Apoptosis and Proliferation in Colorectal Cancer. PLoS ONE, 2014, 9, e96767.	1.1	49
1446	MicroRNA Profiling as Tool for In Vitro Developmental Neurotoxicity Testing: The Case of Sodium Valproate. PLoS ONE, 2014, 9, e98892.	1.1	27
1447	Anti-miRs Competitively Inhibit microRNAs in Argonaute Complexes. PLoS ONE, 2014, 9, e100951.	1.1	44
1448	MicroRNA Expression Differences in Human Hematopoietic Cell Lineages Enable Regulated Transgene Expression. PLoS ONE, 2014, 9, e102259.	1.1	77
1449	Anti-PABPC1 Co-Immunoprecipitation for Examining the miRNAs Directly Targeting the 3′-UTR of EED mRNA. PLoS ONE, 2014, 9, e103695.	1.1	2
1450	Target Repression Induced by Endogenous microRNAs: Large Differences, Small Effects. PLoS ONE, 2014, 9, e104286.	1.1	33
1451	Functional Study of miR-27a in Human Hepatic Stellate Cells by Proteomic Analysis: Comprehensive View and a Role in Myogenic Tans-Differentiation. PLoS ONE, 2014, 9, e108351.	1.1	6
1452	MicroRNA-376a Regulates 78-Kilodalton Glucose-Regulated Protein Expression in Rat Granulosa Cells. PLoS ONE, 2014, 9, e108997.	1.1	11
1453	Differential Expression of microRNAs in Francisella tularensis-Infected Human Macrophages: miR-155-Dependent Downregulation of MyD88 Inhibits the Inflammatory Response. PLoS ONE, 2014, 9, e109525.	1.1	51
1454	MicroRNA Related Polymorphisms and Breast Cancer Risk. PLoS ONE, 2014, 9, e109973.	1.1	49
1455	Regulation of Coagulation Factor XI Expression by MicroRNAs in the Human Liver. PLoS ONE, 2014, 9, e111713.	1.1	34
1456	Identification of Most Stable Endogenous Control Genes for MicroRNA Quantification in the Developing Mouse Lung. PLoS ONE, 2014, 9, e111855.	1.1	14
1457	Functional and Evolutionary Significance of Human MicroRNA Seed Region Mutations. PLoS ONE, 2014, 9, e115241.	1.1	40
1458	Genome-Wide miRNA Seeds Prediction in Archaea. Archaea, 2014, 2014, 1-6.	2.3	3
1459	Competing Endogenous RNA: The Key to Posttranscriptional Regulation. Scientific World Journal, The, 2014, 2014, 1-6.	0.8	242
1460	The p53/microRNA connection in gastrointestinal cancer. Clinical and Experimental Gastroenterology, 2014, 7, 395.	1.0	36
1461	Challenges and Opportunities of MicroRNAs in Lymphomas. Molecules, 2014, 19, 14723-14781.	1.7	26
1462	Genetic versus Non-Genetic Regulation of miR-103, miR-143 and miR-483-3p Expression in Adipose Tissue and Their Metabolic Implications—A Twin Study. Genes, 2014, 5, 508-517.	1.0	21

#	Article	IF	CITATIONS
1463	NMDA receptor-dependent regulation of miRNA expression and association with Argonaute during LTP in vivo. Frontiers in Cellular Neuroscience, 2014, 7, 285.	1.8	19
1464	A lentiviral sponge for miR-101 regulates RanBP9 expression and amyloid precursor protein metabolism in hippocampal neurons. Frontiers in Cellular Neuroscience, 2014, 8, 37.	1.8	42
1465	High-content imaging of presynaptic assembly. Frontiers in Cellular Neuroscience, 2014, 8, 66.	1.8	9
1466	Exosomes/miRNAs as mediating cell-based therapy of stroke. Frontiers in Cellular Neuroscience, 2014, 8, 377.	1.8	250
1467	Impulsivity and comorbid traits: a multi-step approach for finding putative responsible microRNAs in the amygdala. Frontiers in Neuroscience, 2014, 8, 389.	1.4	26
1468	MicroRNAs Regulation by Nutrients, the New Ray of Hope in Obesity Related Glucose and Lipid Metabolic Disorders. Journal of Metabolic Syndrome, 2014, 03, .	0.1	0
1469	A Novel PCR-Based Approach to Discover miRNA Target Genes. International Journal of Medical Sciences, 2014, 11, 1270-1274.	1.1	3
1470	Comprehensive Luciferase-Based Reporter Gene Assay Reveals Previously Masked Up-Regulatory Effects of miRNAs. International Journal of Molecular Sciences, 2014, 15, 15592-15602.	1.8	19
1471	Radiation-Induced Crosstalk between MicroRNAs and Proteins of the Endothelium: In silico Analysis. Journal of Proteomics and Bioinformatics, $2014,07,\ldots$	0.4	6
1472	MicroRNAs: Modulators of Cell Identity, and their Applications in Tissue Engineering. MicroRNA (Shariqah, United Arab Emirates), 2014, 3, 45-53.	0.6	44
1473	A Bayesian Framework to Improve MicroRNA Target Prediction by Incorporating External Information. Cancer Informatics, 2014, 13s7, CIN.S16348.	0.9	4
1474	MicroRNAs and Lipoprotein Metabolism. Journal of Atherosclerosis and Thrombosis, 2014, 21, 17-22.	0.9	24
1475	Downregulation of microRNA-100 enhances the ICMT-Rac1 signaling and promotes metastasis of hepatocellular carcinoma cells. Oncotarget, 2014, 5, 12177-12188.	0.8	46
1476	In silico functional analyses and discovery of survivalassociated microRNA signatures in pediatric osteosarcoma. Oncoscience, 2014, 1, 599-608.	0.9	24
1477	Viruses and MicroRNAs. , 2014, , .		0
1478	MicroRNA profiling of novel African American and Caucasian Prostate Cancer cell lines reveals a reciprocal regulatory relationship of <i>miR-152</i> and DNA methyltranferase 1. Oncotarget, 2014, 5, 3512-3525.	0.8	59
1479	MicroRNA expression signatures of stage, grade, and progression in clear cell RCC. Cancer Biology and Therapy, 2014, 15, 329-341.	1.5	81
1480	Posttranscriptional Regulation of Intestinal Epithelial Tight Junction Barrier by RNA-binding Proteins and microRNAs. Tissue Barriers, 2014, 2, e28320.	1.6	50

#	Article	IF	Citations
1481	ToppMiR: ranking microRNAs and their mRNA targets based on biological functions and context. Nucleic Acids Research, 2014, 42, W107-W113.	6.5	21
1482	RACK-1 regulateslet-7microRNA expression and terminal cell differentiation inCaenorhabditis elegans. Cell Cycle, 2014, 13, 1995-2009.	1.3	19
1483	miR-326 Is Downstream of Sonic Hedgehog Signaling and Regulates the Expression of Gli2 and Smoothened. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 273-283.	1.4	43
1484	Central nervous system toxicity biomarkers. , 2014, , 157-168.		1
1485	microRNAs suppress cellular phenotypic heterogeneity. Cell Cycle, 2014, 13, 1517-1518.	1.3	6
1486	Macros in microRNA target identification. RNA Biology, 2014, 11, 324-333.	1.5	39
1487	Expression Profiling and Structural Characterization of MicroRNAs in Adipose Tissues of Hibernating Ground Squirrels. Genomics, Proteomics and Bioinformatics, 2014, 12, 284-291.	3.0	36
1488	Mammalian hibernation and regulation of lipid metabolism: A focus on non-coding RNAs. Biochemistry (Moscow), 2014, 79, 1161-1171.	0.7	6
1489	Pharmaco-miR: linking microRNAs and drug effects. Briefings in Bioinformatics, 2014, 15, 648-659.	3.2	131
1490	MicroRNAs: potential biomarkers for disease diagnosis. Bio-Medical Materials and Engineering, 2014, 24, 3917-3925.	0.4	24
1491	Integrating non-coding RNAs in JAK-STAT regulatory networks. Jak-stat, 2014, 3, e28055.	2.2	26
1492	Bacterial and cellular RNAs at work during <i>Listeria</i> infection. Future Microbiology, 2014, 9, 1025-1037.	1.0	18
1494	Evolutionary Conservation of Primate Lymphocryptovirus MicroRNA Targets. Journal of Virology, 2014, 88, 1617-1635.	1.5	51
1495	Extensive sequence variation in the 3′ untranslated region of the <i>KRAS</i> gene in lung and ovarian cancer cases. Cell Cycle, 2014, 13, 1030-1040.	1.3	39
1496	miR-281, an abundant midgut-specific miRNA of the vector mosquito Aedes albopictus enhances dengue virus replication. Parasites and Vectors, 2014, 7, 488.	1.0	62
1497	MicroRNA-204, a direct negative regulator of ezrin gene expression, inhibits glioma cell migration and invasion. Molecular and Cellular Biochemistry, 2014, 396, 117-128.	1.4	27
1498	Multiple microRNAs regulate human FOXP2 gene expression by targeting sequences in its 3' untranslated region. Molecular Brain, 2014, 7, 71.	1.3	28
1499	Down-Regulation of miR-4500 Promoted Non-Small Cell Lung Cancer Growth. Cellular Physiology and Biochemistry, 2014, 34, 1166-1174.	1.1	36

#	Article	IF	CITATIONS
1501	mirMark: a site-level and UTR-level classifier for miRNA target prediction. Genome Biology, 2014, 15, 500.	3.8	40
1502	Dietary flaxseed modulates the miRNA profile in irradiated and non-irradiated murine lungs. Cancer Biology and Therapy, 2014, 15, 930-937.	1.5	22
1503	Single nucleotide seed modification restores in vivo tolerability of a toxic artificial miRNA sequence in the mouse brain. Nucleic Acids Research, 2014, 42, 13315-13327.	6.5	17
1504	Prioritizing causal disease genes using unbiased genomic features. Genome Biology, 2014, 15, 534.	3.8	40
1505	Global population-specific variation in miRNA associated with cancer risk and clinical biomarkers. BMC Medical Genomics, 2014, 7, 53.	0.7	90
1506	Profiles of the auditory epithelia related microRNA expression in neonatal and adult rats. European Journal of Medical Research, 2014, 19, 48.	0.9	4
1507	Genome-wide association study combined with biological context can reveal more disease-related SNPs altering microRNA target seed sites. BMC Genomics, 2014, 15, 669.	1.2	10
1508	Combinatorial regulation of lipoprotein lipase by microRNAs during mouse adipogenesis. RNA Biology, 2014, 11, 76-91.	1.5	22
1509	Oligonucleotide-based strategies to combat polyglutamine diseases. Nucleic Acids Research, 2014, 42, 6787-6810.	6.5	48
1510	Small regulatory RNAs in Archaea. RNA Biology, 2014, 11, 484-493.	1.5	99
1511	PGS: a tool for association study of high-dimensional microRNA expression data with repeated measures. Bioinformatics, 2014, 30, 2802-2807.	1.8	7
1512	Improving Power to Detect Changes in Blood miRNA Expression by Accounting for Sources of Variability in Experimental Designs. Cancer Epidemiology Biomarkers and Prevention, 2014, 23, 2658-2666.	1.1	15
1513	22q13.2q13.32 genomic regions associated with severity of speech delay, developmental delay, and physical features in Phelan–McDermid syndrome. Genetics in Medicine, 2014, 16, 318-328.	1.1	71
1514	MicroRNAs in Respiratory Disease. A Clinician's Overview. Annals of the American Thoracic Society, 2014, 11, 1277-1285.	1.5	33
1515	Altering \hat{I}^2 -cell number through stable alteration of miR-21 and miR-34a expression. Islets, 2014, 6, e27754.	0.9	42
1516	Foodomics. Comprehensive Analytical Chemistry, 2014, , 395-440.	0.7	9
1517	Versatile microRNA biogenesis in animals and their viruses. RNA Biology, 2014, 11, 673-681.	1.5	52
1518	Strategies to antagonize miRNA functions <i>in vitro</i> and <i>in vivo</i> . Nanomedicine, 2014, 9, 2545-2555.	1.7	15

#	Article	IF	CITATIONS
1519	A probabilistic approach to explore human miRNA targetome by integrating miRNA-overexpression data and sequence information. Bioinformatics, 2014, 30, 621-628.	1.8	37
1520	Prognostic significance of low DICER expression regulated by miR-130a in cervical cancer. Cell Death and Disease, 2014, 5, e1205-e1205.	2.7	58
1521	miRNA function and modulation in stem cells and cancer stem cells. MicroRNA Diagnostics and Therapeutics, 2014, 1 , .	0.0	1
1522	Role of miRNAs and epigenetics in neural stem cell fate determination. Epigenetics, 2014, 9, 90-100.	1.3	46
1523	Comprehensive Functional Annotation of 77 Prostate Cancer Risk Loci. PLoS Genetics, 2014, 10, e1004102.	1.5	167
1524	MicroRNAs-Role in Lung Cancer. Disease Markers, 2014, 2014, 1-13.	0.6	62
1525	MicroRNAs in cardiac arrhythmia: DNA sequence variation of MiR-1 and MiR-133A in long QT syndrome. Scandinavian Journal of Clinical and Laboratory Investigation, 2014, 74, 485-491.	0.6	11
1526	Alternative Polyadenylation of Tumor Suppressor Genes in Small Intestinal Neuroendocrine Tumors. Frontiers in Endocrinology, 2014, 5, 46.	1.5	12
1527	MicroRNA Function in the Profibrogenic Interplay upon Chronic Liver Disease. International Journal of Molecular Sciences, 2014, 15, 9360-9371.	1.8	14
1528	Hunting the Needle in the Haystack: A Guide to Obtain Biologically Meaningful MicroRNA Targets. International Journal of Molecular Sciences, 2014, 15, 20266-20289.	1.8	21
1529	$5\hat{a} \in \mathbb{R}^2$ isomiR variation is of functional and evolutionary importance. Nucleic Acids Research, 2014, 42, 9424-9435.	6.5	203
1530	Atrial fibrillation and microRNAs. Frontiers in Physiology, 2014, 5, 15.	1.3	119
1531	Coronary Heart Disease-Associated Variation in TCF21 Disrupts a miR-224 Binding Site and miRNA-Mediated Regulation. PLoS Genetics, 2014, 10, e1004263.	1.5	108
1532	LIN-42, the Caenorhabditis elegans PERIOD homolog, Negatively Regulates MicroRNA Transcription. PLoS Genetics, 2014, 10, e1004486.	1.5	39
1533	Thyroglobulin Increases Thyroid Cell Proliferation via the Suppression of Specific MicroRNAs. Molecular Endocrinology, 2014, 28, 368-379.	3.7	6
1534	Integrated miRNA and mRNA analysis of time series microarray data. , 2014, 2014, 122-127.		5
1535	Regression Analysis of Combined Gene Expression Regulation in Acute Myeloid Leukemia. PLoS Computational Biology, 2014, 10, e1003908.	1.5	62
1536	Two miRNA clusters, <i>miR-34b/c</i> and <i>miR-449</i> , are essential for normal brain development, motile ciliogenesis, and spermatogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2851-7.	3.3	244

#	Article	IF	CITATIONS
1537	Protein-driven inference of miRNA–disease associations. Bioinformatics, 2014, 30, 392-397.	1.8	190
1538	Exploring the miRNA Regulatory Network Using Evolutionary Correlations. PLoS Computational Biology, 2014, 10, e1003860.	1.5	7
1539	Circulating MicroRNA Profiles Differ between Qi-Stagnation and Qi-Deficiency in Coronary Heart Disease Patients with Blood Stasis Syndrome. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-9.	0.5	17
1540	Interplay of microRNA and epigenetic regulation in the human regulatory network. Frontiers in Genetics, 2014, 5, 345.	1.1	52
1541	Does regulation of skeletal muscle function involve circulating microRNAs?. Frontiers in Physiology, 2014, 5, 39.	1.3	69
1542	Molecular basis of cancer-therapy-induced cardiotoxicity: introducing microRNA biomarkers for early assessment of subclinical myocardial injury. Clinical Science, 2014, 126, 377-400.	1.8	40
1543	Inferring probabilistic miRNA–mRNA interaction signatures in cancers: a role-switch approach. Nucleic Acids Research, 2014, 42, e76-e76.	6.5	55
1544	Prognostic Significance of MicroRNA-375 Downregulation in Solid Tumors: A Meta-Analysis. Disease Markers, 2014, 2014, 1-10.	0.6	21
1545	MicroRNA Machinery Genes as Novel Biomarkers for Cancer. Frontiers in Oncology, 2014, 4, 113.	1.3	66
1546	MicroRNAs: Novel Players in Cancer Diagnosis and Therapies. BioMed Research International, 2014, 2014, 1-13.	0.9	57
1547	Regulation of MicroRNAs by Natural Agents: New Strategies in Cancer Therapies. BioMed Research International, 2014, 2014, 1-17.	0.9	112
1548	Epigenetic Control of Autophagy by MicroRNAs in Ovarian Cancer. BioMed Research International, 2014, 2014, 1-11.	0.9	26
1549	Depression and BMI influences the serum vascular endothelial growth factor level. International Journal of Neuropsychopharmacology, 2014, 17, 1409-1417.	1.0	27
1550	MiR-153 targets the nuclear factor-1 family and protects against teratogenic effects of ethanol exposure in fetal neural stem cells. Biology Open, 2014, 3, 741-758.	0.6	49
1551	The oncogenic and prognostic potential of eight microRNAs identified by a synergetic regulatory network approach in lung cancer. International Journal of Computational Biology and Drug Design, 2014, 7, 384.	0.3	2
1552	Emerging Role of MicroRNAs and Long Noncoding RNAs in Respiratory Disease. Chest, 2014, 146, 193-204.	0.4	131
1553	The RNA-Binding Protein DDX1 Promotes Primary MicroRNA Maturation and Inhibits Ovarian Tumor Progression. Cell Reports, 2014, 8, 1447-1460.	2.9	86
1554	Exploration of microRNAs in porcine milk exosomes. BMC Genomics, 2014, 15, 100.	1.2	140

#	Article	IF	CITATIONS
1555	Fast-evolving microRNAs are highly expressed in the early embryo of <i>Drosophila virilis</i> . Rna, 2014, 20, 360-372.	1.6	40
1556	Attenuation of antigenic immunogenicity by kynurenine, a novel suppressive adjuvant. Human Vaccines and Immunotherapeutics, 2014, 10, 1295-1305.	1.4	10
1557	Hepatic toxicity biomarkers. , 2014, , 241-259.		19
1558	Integrative Analysis of mRNA and miRNA Array Data Reveals the Suppression of Retinoic Acid Pathway in Regulatory T Cells of Graves' Disease. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E2620-E2627.	1.8	18
1559	miR-204-5p Inhibits Proliferation and Invasion and Enhances Chemotherapeutic Sensitivity of Colorectal Cancer Cells by Downregulating RAB22A. Clinical Cancer Research, 2014, 20, 6187-6199.	3.2	184
1560	Discovery and visualization of miRNA–mRNA functional modules within integrated data using bicluster analysis. Nucleic Acids Research, 2014, 42, e17-e17.	6.5	40
1561	DDX3X, the X homologue of AZFa gene DDX3Y, expresses a complex pattern of transcript variants only in the male germ line. Molecular Human Reproduction, 2014, 20, 1208-1222.	1.3	19
1562	<scp>MIRSNP</scp> rs2910164 of mi <scp>R</scp> â€146a is associated with the muscle involvement in polymyositis/dermatomyositis. International Journal of Dermatology, 2014, 53, 300-304.	0.5	17
1563	Prenatal arsenic exposure and the epigenome: Altered microRNAs associated with innate and adaptive immune signaling in newborn cord blood. Environmental and Molecular Mutagenesis, 2014, 55, 196-208.	0.9	171
1564	Development of micro < scp>RNA < /scp> therapeutics is coming of age. EMBO Molecular Medicine, 2014, 6, 851-864.	3.3	526
1565	Haâ€ras and βâ€catenin oncoproteins orchestrate metabolic programs in mouse liver tumors. International Journal of Cancer, 2014, 135, 1574-1585.	2.3	26
1566	Lnc <scp>RNA</scp> â€regulated Infection and Inflammation Pathways Associated with Pregnancy Loss: Genome Wide Differential Expression of Inc <scp>RNA</scp> s in Early Spontaneous Abortion. American Journal of Reproductive Immunology, 2014, 72, 359-375.	1.2	53
1567	Enhancing stem cell survival in an ischemic heart by CRISPR-dCas9-based gene regulation. Medical Hypotheses, 2014, 83, 702-705.	0.8	7
1568	miRNAs as biomarkers of myocardial infarction: a step forward towards personalized medicine?. Trends in Molecular Medicine, 2014, 20, 716-725.	3.5	90
1569	<scp>MicroRNA</scp> in skeletal muscle development, growth, atrophy, and disease. Wiley Interdisciplinary Reviews RNA, 2014, 5, 509-525.	3.2	54
1570	N-methylnicotinamide and nicotinamide N-methyltransferase are associated with microRNA-1291-altered pancreatic carcinoma cell metabolome and suppressed tumorigenesis. Carcinogenesis, 2014, 35, 2264-2272.	1.3	51
1571	MicroRNAâ€27b Targets Gremlin 1 to Modulate Fibrotic Responses in Pulmonary Cells. Journal of Cellular Biochemistry, 2014, 115, 1539-1548.	1.2	43
1572	Faster Experimental Validation of microRNA Targets Using Cold Fusion Cloning and a Dual Firefly-Renilla Luciferase Reporter Assay. Methods in Molecular Biology, 2014, 1182, 227-243.	0.4	11

#	ARTICLE	IF	CITATIONS
1573	Functional Analysis of miR-34c as a Putative Tumor Suppressor in High-Grade Serous Ovarian Cancer 1. Biology of Reproduction, 2014, 91, 113.	1.2	17
1574	Tumorâ€suppressive <i>micro<scp>RNA</scp>â€218</i> inhibits cancer cell migration and invasion via targeting of <i><scp>LASP</scp>1</i> in prostate cancer. Cancer Science, 2014, 105, 802-811.	1.7	92
1575	Comprehensive silencing of target-sharing microRNAs is a mechanism for SIRT1 overexpression in cancer. RNA Biology, 2014, 11, 1347-1354.	1.5	12
1576	Micro <scp>RNA</scp> â€135a acts as a putative tumor suppressor by directly targeting very low density lipoprotein receptor in human gallbladder cancer. Cancer Science, 2014, 105, 956-965.	1.7	69
1577	Competition and collaboration between <scp>RNA</scp> â€binding proteins and <scp>microRNAs</scp> . Wiley Interdisciplinary Reviews RNA, 2014, 5, 69-86.	3.2	39
1578	Modulation of human miRâ€17–3p expression by methyl 3â€xi>Oi>â€methyl gallate as explanation of its in vivo protective activities. Molecular Nutrition and Food Research, 2014, 58, 1776-1784.	1.5	57
1579	PAPD5-mediated 3′ adenylation and subsequent degradation of miR-21 is disrupted in proliferative disease. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11467-11472.	3.3	130
1580	Identification of novel kinase inhibitors by targeting a kinaseâ€related apoptotic protein–protein interaction network in HeLa cells. Cell Proliferation, 2014, 47, 219-230.	2.4	13
1581	Role of MicroRNAs in the Trabecular Meshwork. Journal of Ocular Pharmacology and Therapeutics, 2014, 30, 128-137.	0.6	32
1582	MicroRNA-18a inhibits hypoxia-inducible factor $1\hat{l}\pm$ activity and lung metastasis in basal breast cancers. Breast Cancer Research, 2014, 16, R78.	2.2	91
1583	dCLIP: a computational approach for comparative CLIP-seq analyses. Genome Biology, 2014, 15, R11.	13.9	46
1584	Identification of distinct miRNA target regulation between breast cancer molecular subtypes using AGO2-PAR-CLIP and patient datasets. Genome Biology, 2014, 15, R9.	13.9	63
1585	MicroRNA dysregulation as a prognostic biomarker in colorectal cancer. Cancer Management and Research, 2014, 6, 405.	0.9	69
1586	Vitamin D Receptor Genotype Modulates the Correlation between Vitamin D and Circulating Levels of let-7a/b and Vitamin D Intake in an Elderly Cohort. Journal of Nutrigenetics and Nutrigenomics, 2014, 7, 264-273.	1.8	16
1588	Resveratrol and EGCG bind directly and distinctively to miR-33a and miR-122 and modulate divergently their levels in hepatic cells. Nucleic Acids Research, 2014, 42, 882-892.	6.5	110
1589	MicroRNAs regulate tight junction proteins and modulate epithelial/endothelial barrier functions. Tissue Barriers, 2014, 2, e944446.	1.6	85
1590	mrSNP: Software to detect SNP effects on microRNA binding. BMC Bioinformatics, 2014, 15, 73.	1.2	46
1591	An evolutionarily biased distribution of miRNA sites toward regulatory genes with high promoter-driven intrinsic transcriptional noise. BMC Evolutionary Biology, 2014, 14, 74.	3.2	17

#	Article	IF	CITATIONS
1592	What do all the (human) micro-RNAs do?. BMC Genomics, 2014, 15, 976.	1.2	5
1593	Genome-wide analysis of miRNA and mRNA transcriptomes during amelogenesis. BMC Genomics, 2014, 15, 998.	1.2	41
1594	MicroRNA in exosomes isolated directly from the liver circulation in patients with metastatic uveal melanoma. BMC Cancer, 2014, 14, 962.	1.1	83
1595	Development of kinomic analyses to identify dysregulated signaling pathways in cells expressing cytoplasmic PrP. Virology Journal, 2014, 11, 175.	1.4	2
1596	The involvement of miR-100 in bladder urothelial carcinogenesis changing the expression levels of mRNA and proteins of genes related to cell proliferation, survival, apoptosis and chromosomal stability. Cancer Cell International, 2014, 14, 119.	1.8	22
1597	MicroRNA regulation in human CD8+ T cell subsets – cytokine exposure alone drives miR-146a expression. Journal of Translational Medicine, 2014, 12, 292.	1.8	15
1598	The multiMiR R package and database: integration of microRNA–target interactions along with their disease and drug associations. Nucleic Acids Research, 2014, 42, e133-e133.	6.5	409
1599	A non-canonical plant microRNA target site. Nucleic Acids Research, 2014, 42, 5270-5279.	6.5	105
1600	Systematic identification of 3′-UTR regulatory elements in activity-dependent mRNA stability in hippocampal neurons. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130509.	1.8	36
1601	MicroRNA-8 promotes robust motor axon targeting by coordinate regulation of cell adhesion molecules during synapse development. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130517.	1.8	26
1602	A meta-analysis revealed insights into the sources, conservation and impact of microRNA 5′-isoforms in four model species. Nucleic Acids Research, 2014, 42, 1427-1441.	6.5	23
1603	Embryonic stem cell-specific microRNAs contribute to pluripotency by inhibiting regulators of multiple differentiation pathways. Nucleic Acids Research, 2014, 42, 9313-9326.	6.5	32
1604	MicroRNA and epilepsy. Current Opinion in Neurology, 2014, 27, 199-205.	1.8	109
1605	Cooperative gene regulation by microRNA pairs and their identification using a computational workflow. Nucleic Acids Research, 2014, 42, 7539-7552.	6.5	72
1606	<i>SPACA3</i> gene variants in a New Zealand cohort of infertile and fertile couples. Human Fertility, 2014, 17, 106-113.	0.7	4
1607	Prioritizing Diagnostic, Prognostic, and Therapeutic MicroRNAs in Pancreatic Cancer., 2014, , 345-363.		0
1608	The Significance of the Feedback Loops between Kras and Ink4a in Pancreatic Cancer., 2014, , 281-296.		1
1609	Structuring osteosarcoma knowledge: an osteosarcoma-gene association database based on literature mining and manual annotation. Database: the Journal of Biological Databases and Curation, 2014, 2014, .	1.4	32

#	Article	IF	CITATIONS
1610	3′LIFE: a functional assay to detect miRNA targets in high-throughput. Nucleic Acids Research, 2014, 42, e132-e132.	6.5	45
1611	The personal genome browser: visualizing functions of genetic variants. Nucleic Acids Research, 2014, 42, W192-W197.	6.5	7
1612	<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.	2.7	52
1613	Systems-level regulation of microRNA networks by miR-130/301 promotes pulmonary hypertension. Journal of Clinical Investigation, 2014, 124, 3514-3528.	3.9	182
1614	MiR-181c modulates the proliferation, migration, and invasion of neuroblastoma cells by targeting Smad7. Acta Biochimica Et Biophysica Sinica, 2014, 46, 48-55.	0.9	37
1615	Systematic design and functional analysis of artificial microRNAs. Nucleic Acids Research, 2014, 42, 6064-6077.	6.5	14
1616	MicroRNAs and Ethanol Toxicity. International Review of Neurobiology, 2014, 115, 245-284.	0.9	28
1617	MicroRNA in Teleost Fish. Genome Biology and Evolution, 2014, 6, 1911-1937.	1.1	175
1618	MicroRNA-146a: A Dominant, Negative Regulator of the Innate Immune Response. Frontiers in Immunology, 2014, 5, 578.	2.2	299
1619	miR-4782-3p Inhibited Non-Small Cell Lung Cancer growth via USP14. Cellular Physiology and Biochemistry, 2014, 33, 457-467.	1.1	62
1620	MicroRNA-486–dependent modulation of DOCK3/PTEN/AKT signaling pathways improves muscular dystrophy–associated symptoms. Journal of Clinical Investigation, 2014, 124, 2651-2667.	3.9	128
1622	MicroRNAs and Cancer: An Overview. , 2014, , 3-28.		6
1623	miR-9 inhibits Schwann cell migration by targeting CTHRC1 following sciatic nerve injury. Journal of Cell Science, 2014, 127, 967-76.	1.2	62
1624	MicroRNAs and Endothelial Dysfunction in Relation to Obesity and Type 2 Diabetes. Journal of Molecular and Genetic Medicine: an International Journal of Biomedical Research, 2014, s1, .	0.1	1
1625	Impacts of Pretranscriptional DNA Methylation, Transcriptional Transcription Factor, and Posttranscriptional microRNA Regulations on Protein Evolutionary Rate. Genome Biology and Evolution, 2014, 6, 1530-1541.	1.1	34
1626	MicroRNAs in the Neural Retina. International Journal of Genomics, 2014, 2014, 1-14.	0.8	40
1627	MicroRNAs in central nervous system development. Reviews in the Neurosciences, 2014, 25, 675-86.	1.4	28
1628	microRNA therapies in cancer. Molecular and Cellular Therapies, 2014, 2, 7.	0.2	99

#	Article	IF	CITATIONS
1629	Imperfect centered miRNA binding sites are common and can mediate repression of target mRNAs. Genome Biology, 2014, 15, R51.	13.9	111
1630	Expression of Amyloid-Associated miRNAs in Both the Forebrain Cortex and Hippocampus of Middle-Aged Rat. Cellular Physiology and Biochemistry, 2014, 33, 11-22.	1.1	31
1631	Integrating <i>Omics</i> Technologies to Study Pulmonary Physiology and Pathology at the Systems Level. Cellular Physiology and Biochemistry, 2014, 33, 1239-1260.	1.1	12
1632	Down-Regulation of miR-3928 Promoted Osteosarcoma Growth. Cellular Physiology and Biochemistry, 2014, 33, 1547-1556.	1.1	32
1633	The role of vitamins and minerals in modulating the expression of microRNA. Nutrition Research Reviews, 2014, 27, 94-106.	2.1	48
1634	AntagomiR directed against miR-20a restores functional BMPR2 signalling and prevents vascular remodelling in hypoxia-induced pulmonary hypertension. European Heart Journal, 2014, 35, 3203-3211.	1.0	139
1635	MicroRNAs and reactive oxygen species: Are they in the same regulatory circuit? Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 764-765, 64-71.	0.9	21
1636	MicroRNAs in Cancer. Annual Review of Pathology: Mechanisms of Disease, 2014, 9, 287-314.	9.6	1,445
1637	Mechanisms of transgenerational inheritance of addictive-like behaviors. Neuroscience, 2014, 264, 198-206.	1.1	84
1638	Dynamic analysis of the combinatorial regulation involving transcription factors and microRNAs in cell fate decisions. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 248-257.	1.1	19
1639	When less is more – microRNAs and psychiatric disorders. Acta Psychiatrica Scandinavica, 2014, 129, 241-256.	2.2	39
1640	SHOX2 Is a Direct miR-375 Target and a Novel Epithelial-to-Mesenchymal Transition Inducer in Breast Cancer Cells. Neoplasia, 2014, 16, 279-290.e5.	2.3	72
1641	Down-regulation of RE-1 silencing transcription factor (REST) in advanced prostate cancer by hypoxia-induced miR-106b~25. Experimental Cell Research, 2014, 320, 188-199.	1.2	60
1642	Tumourâ€suppressive <i>microRNAâ€224</i> inhibits cancer cell migration and invasion via targeting oncogenic <i>TPD52</i> in prostate cancer. FEBS Letters, 2014, 588, 1973-1982.	1.3	76
1643	MIR137 gene and target gene CACNA1C of miR-137 contribute to schizophrenia susceptibility in Han Chinese. Schizophrenia Research, 2014, 152, 97-104.	1.1	124
1644	Transcriptional consequences of schizophrenia candidate miR-137 manipulation in human neural progenitor cells. Schizophrenia Research, 2014, 153, 225-230.	1.1	56
1645	A preliminary analysis of association between the down-regulation of microRNA-181b expression and symptomatology improvement in schizophrenia patients before and after antipsychotic treatment. Journal of Psychiatric Research, 2014, 54, 134-140.	1.5	75
1646	Transcription Factor/microRNA Axis Blocks Melanoma Invasion Program by miR-211 Targeting NUAK1. Journal of Investigative Dermatology, 2014, 134, 441-451.	0.3	95

#	Article	IF	CITATIONS
1647	Screening for possible miRNA–mRNA associations in a colon cancer cell line. Gene, 2014, 533, 520-531.	1.0	30
1648	Intercellular adhesion molecule 1: Recent findings and new concepts involved in mammalian spermatogenesis. Seminars in Cell and Developmental Biology, 2014, 29, 43-54.	2.3	20
1649	The evolving understanding of microRNA in bladder cancer. Urologic Oncology: Seminars and Original Investigations, 2014, 32, 41.e31-41.e40.	0.8	65
1650	Sho-saiko-to, a traditional herbal medicine, regulates gene expression and biological function by way of microRNAs in primary mouse hepatocytes. BMC Complementary and Alternative Medicine, 2014, 14, 14.	3.7	13
1651	MicroRNA218 inhibits glioma migration and invasion via inhibiting glioma-associated oncogene homolog 1 expression at N terminus. Tumor Biology, 2014, 35, 3831-3837.	0.8	14
1652	Epigenetic Regulation of microRNAs in Gastric Cancer. Digestive Diseases and Sciences, 2014, 59, 716-723.	1.1	33
1653	MicroRNA-related sequence variations in human cancers. Human Genetics, 2014, 133, 463-469.	1.8	27
1654	exomeSuite: Whole exome sequence variant filtering tool for rapid identification of putative disease causing SNVs/indels. Genomics, 2014, 103, 169-176.	1.3	22
1655	RASSF tumor suppressor gene family: Biological functions and regulation. FEBS Letters, 2014, 588, 2671-2684.	1.3	102
1656	Comparative analysis of melanoma deregulated miRNAs in the medaka and Xiphophorus pigment cell cancer models. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2014, 163, 64-76.	1.3	24
1657	TMPRSS4 regulates levels of integrin $\hat{1}\pm 5$ in NSCLC through miR-205 activity to promote metastasis. British Journal of Cancer, 2014, 110, 764-774.	2.9	50
1658	Small but sturdy: small RNAs in cellular memory and epigenetics. Genes and Development, 2014, 28, 423-431.	2.7	59
1659	Single Nucleotide Polymorphisms in MicroRNA Binding Sites of Oncogenes: Implications in Cancer and Pharmacogenomics. OMICS A Journal of Integrative Biology, 2014, 18, 142-154.	1.0	42
1660	Epigenetic mechanisms in pubertal brain maturation. Neuroscience, 2014, 264, 17-24.	1.1	72
1661	MicroRNAs dysregulation in epilepsy. Brain Research, 2014, 1584, 94-104.	1.1	43
1662	IncRNAMap: A map of putative regulatory functions in the long non-coding transcriptome. Computational Biology and Chemistry, 2014, 50, 41-49.	1.1	36
1663	Tumor-suppressive microRNA-449a induces growth arrest and senescence by targeting E2F3 in human lung cancer cells. Cancer Letters, 2014, 344, 195-203.	3.2	75
1664	Seasonal variation of urinary microRNA expression in male goats (Capra hircus) as assessed by next generation sequencing. General and Comparative Endocrinology, 2014, 199, 1-15.	0.8	10

#	Article	IF	CITATIONS
1665	Noncoding RNA–related polymorphisms in pediatric acute lymphoblastic leukemia susceptibility. Pediatric Research, 2014, 75, 767-773.	1.1	46
1666	Molecular mechanisms of diabetic cardiomyopathy. Diabetologia, 2014, 57, 660-671.	2.9	657
1667	Micro-management of pluripotent stem cells. Protein and Cell, 2014, 5, 36-47.	4.8	16
1668	Identification and application of radiation-related microRNAs. Rendiconti Lincei, 2014, 25, 49-52.	1.0	0
1669	MicroRNAs in bovine adipogenesis: genomic context, expression and function. BMC Genomics, 2014, 15, 137.	1.2	77
1670	Regulation of Cytochrome b 5 Expression by miR-223 in Human Liver: Effects on Cytochrome P450 Activities. Pharmaceutical Research, 2014, 31, 780-794.	1.7	25
1671	The role of microRNAs in hepatocarcinogenesis: current knowledge and future prospects. Journal of Gastroenterology, 2014, 49, 173-184.	2.3	31
1672	Convergent microRNA actions coordinate neocortical development. Cellular and Molecular Life Sciences, 2014, 71, 2975-2995.	2.4	80
1673	MicroRNAs: master regulators of drug resistance, stemness, and metastasis. Journal of Molecular Medicine, 2014, 92, 321-336.	1.7	63
1674	Arsenic-Associated Changes to the Epigenome: What Are the Functional Consequences?. Current Environmental Health Reports, 2014, 1, 22-34.	3.2	69
1675	Influence of sex differences on microRNA gene regulation in disease. Biology of Sex Differences, 2014, 5, 3.	1.8	157
1676	Prognostic role of microRNA polymorphisms in patients with advanced esophageal squamous cell carcinoma receiving platinum-based chemotherapy. Cancer Chemotherapy and Pharmacology, 2014, 73, 335-341.	1.1	39
1677	Alterations in hepatic miRNA expression during negative energy balance in postpartum dairy cattle. BMC Genomics, 2014, 15, 28.	1.2	21
1678	Circulatory miR-628-5p is downregulated in prostate cancer patients. Tumor Biology, 2014, 35, 4867-4873.	0.8	46
1679	The panorama of miRNA-mediated mechanisms in mammalian cells. Cellular and Molecular Life Sciences, 2014, 71, 2253-2270.	2.4	88
1680	Connective tissue growth factor (CCN2) and microRNA-21 are components of a positive feedback loop in pancreatic stellate cells (PSC) during chronic pancreatitis and are exported in PSC-derived exosomes. Journal of Cell Communication and Signaling, 2014, 8, 147-156.	1.8	75
1681	MicroRNAs and liver disease: viral hepatitis, liver fibrosis and hepatocellular carcinoma. Postgraduate Medical Journal, 2014, 90, 106-112.	0.9	18
1682	The role of astrocytes in mediating exogenous cellâ€based restorative therapy for stroke. Glia, 2014, 62, 1-16.	2.5	74

#	Article	IF	CITATIONS
1683	microRNAs in Cardiovascular Diseases. Journal of the American College of Cardiology, 2014, 63, 2177-2187.	1.2	340
1684	Inhibition of microRNA-24 expression in liver prevents hepatic lipid accumulation and hyperlipidemia. Hepatology, 2014, 60, 554-564.	3.6	130
1685	Gene expression profiling and bioinformatics analysis of gastric carcinoma. Experimental and Molecular Pathology, 2014, 96, 361-366.	0.9	20
1686	miR-335 Correlates with Senescence/Aging in Human Mesenchymal Stem Cells and Inhibits Their Therapeutic Actions Through Inhibition of AP-1 Activity. Stem Cells, 2014, 32, 2229-2244.	1.4	65
1687	Renin-sensitive microRNAs correlate with atherosclerosis plaque progression. Journal of Human Hypertension, 2014, 28, 251-258.	1.0	25
1688	miRNAs in lung cancer: A link to aging. Ageing Research Reviews, 2014, 17, 54-67.	5.0	38
1689	<scp>miRNA</scp> Âsponges:ÂsoakingÂupÂ <scp>miRNAs</scp> for regulation of gene expression. Wiley Interdisciplinary Reviews RNA, 2014, 5, 317-333.	3.2	199
1690	Type 2 diabetes mellitusâ€related genetic polymorphisms in <scp>microRNAs</scp> and <scp>microRNA</scp> target sites (MicroRNAsä¸ä¸Ž2型糖尿病ç¸å…³çš"基å›å‱€æ€§åĞmicroRNAé¶ä½). Ju	ournal of [)iabetes, 20
1691	The effects of a <i>MAP2K5</i> microRNA target site SNP on risk for anxiety and depressive disorders. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2014, 165, 175-183.	1.1	24
1692	Molecular targets of HPV oncoproteins: Potential biomarkers for cervical carcinogenesis. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1845, 91-103.	3.3	38
1693	Genetic association of gastric cancer with miRNA clusters including the cancerâ€related genes ⟨i⟩MIR29, MIR25, MIR93⟨ i⟩ and ⟨i⟩MIR106⟨ i⟩: Results from the EPICâ€EURGAST study. International Journal of Cancer, 2014, 135, 2065-2076.	2.3	47
1694	FibromiRs: translating molecular discoveries into new anti-fibrotic drugs. Trends in Pharmacological Sciences, 2014, 35, 119-126.	4.0	79
1695	Diazirine-Containing RNA Photo-Cross-Linking Probes for Capturing microRNA Targets. Journal of Organic Chemistry, 2014, 79, 2463-2472.	1.7	40
1696	MicroRNA-132 dysregulation in Toxoplasma gondii infection has implications for dopamine signaling pathway. Neuroscience, 2014, 268, 128-138.	1.1	93
1697	Genetic polymorphisms in miRNAs targeting the estrogen receptor and their effect on breast cancer risk. Meta Gene, 2014, 2, 226-236.	0.3	14
1698	Global Analyses of the Effect of Different Cellular Contexts on MicroRNA Targeting. Molecular Cell, 2014, 53, 1031-1043.	4.5	276
1699	Global Coevolution of Human MicroRNAs and Their Target Genes. Molecular Biology and Evolution, 2014, 31, 1237-1247.	3.5	48
1700	Regulation of the circadian clock through pre-mRNA splicing in Arabidopsis. Journal of Experimental Botany, 2014, 65, 1973-1980.	2.4	16

#	Article	IF	CITATIONS
1701	Long noncoding RNA in liver diseases. Hepatology, 2014, 60, 744-753.	3.6	178
1702	Epigenetics and depression: return of the repressed. Journal of Affective Disorders, 2014, 155, 1-12.	2.0	107
1703	Genetics of Epstein–Barr virus microRNAs. Seminars in Cancer Biology, 2014, 26, 52-59.	4.3	87
1704	Hepatitis C virus and human miR-122: insights from the bench to the clinic. Current Opinion in Virology, 2014, 7, 11-18.	2.6	29
1705	Hepatitis C virus and microRNAs: miRed in a host of possibilities. Current Opinion in Virology, 2014, 7, 1-10.	2.6	46
1706	Assessing the ceRNA Hypothesis with Quantitative Measurements of miRNA and Target Abundance. Molecular Cell, 2014, 54, 766-776.	4.5	579
1707	Global microRNA depletion suppresses tumor angiogenesis. Genes and Development, 2014, 28, 1054-1067.	2.7	66
1708	microRNAs are biomarkers of oncogenic human papillomavirus infections. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4262-4267.	3.3	168
1709	miR-150 influences B-cell receptor signaling in chronic lymphocytic leukemia by regulating expression of GAB1 and FOXP1. Blood, 2014, 124, 84-95.	0.6	129
1710	miR-126 contributes to Parkinson's disease by dysregulating the insulin-like growth factor/phosphoinositide 3-kinase signaling. Neurobiology of Aging, 2014, 35, 1712-1721.	1.5	120
1711	ZNF281/ZBP-99: a new player in epithelial–mesenchymal transition, stemness, and cancer. Journal of Molecular Medicine, 2014, 92, 571-581.	1.7	36
1712	Novel therapeutic strategies for cardioprotection. , 2014, 144, 60-70.		64
1713	ISMARA: automated modeling of genomic signals as a democracy of regulatory motifs. Genome Research, 2014, 24, 869-884.	2.4	278
1714	Macro and Small over Micro: Macromolecules and Small Molecules that Regulate MicroRNAs. ChemBioChem, 2014, 15, 1071-1078.	1.3	7
1715	Biological and bioinformatical approaches to study crosstalk of long-non-coding RNAs and chromatin-modifying proteins. Cell and Tissue Research, 2014, 356, 507-526.	1.5	16
1716	Post-transcriptional regulation of gene expression in innate immunity. Nature Reviews Immunology, 2014, 14, 361-376.	10.6	301
1717	Concise Review: MicroRNA Function in Multipotent Mesenchymal Stromal Cells. Stem Cells, 2014, 32, 1074-1082.	1.4	123
1718	<scp>MicroRNA</scp> â€542â€3p inhibits tumour angiogenesis by targeting Angiopoietinâ€2. Journal of Pathology, 2014, 232, 499-508.	2.1	90

#	Article	IF	CITATIONS
1719	No Gene in the Genome Makes Sense Except in the Light of Evolution. Annual Review of Genomics and Human Genetics, 2014, 15, 71-92.	2.5	19
1720	Regulatory Roles of miRNA in the Human Neural Stem Cell Transformation to Glioma Stem Cells. Journal of Cellular Biochemistry, 2014, 115, 1368-1380.	1.2	58
1721	The role of microRNA profiling in prognosticating progression in Ta and T1 urinary bladder cancer. Urologic Oncology: Seminars and Original Investigations, 2014, 32, 613-618.	0.8	17
1722	miR-375 inhibits Helicobacter pylori-induced gastric carcinogenesis by blocking JAK2–STAT3 signaling. Cancer Immunology, Immunotherapy, 2014, 63, 699-711.	2.0	79
1723	CFIm25 links alternative polyadenylation to glioblastoma tumour suppression. Nature, 2014, 510, 412-416.	13.7	365
1724	New insights into the expression profile and function of micro-ribonucleic acid in human spermatozoa. Fertility and Sterility, 2014, 102, 213-222.e4.	0.5	79
1725	Neural tissue engineering options for peripheral nerve regeneration. Biomaterials, 2014, 35, 6143-6156.	5.7	523
1726	The p53/miR-34 axis in development and disease. Journal of Molecular Cell Biology, 2014, 6, 214-230.	1.5	297
1727	Micro <scp>RNA</scp> expression and regulation in the uterus during embryo implantation in rat. FEBS Journal, 2014, 281, 1872-1891.	2.2	42
1728	Expression and prognostic value of Ars2 in hepatocellular carcinoma. International Journal of Clinical Oncology, 2014, 19, 880-888.	1.0	10
1729	HMGA2 functions as a competing endogenous RNA to promote lung cancer progression. Nature, 2014, 505, 212-217.	13.7	253
1730	Computational Methods for MicroRNA Target Prediction. Methods in Molecular Biology, 2014, 1107, 207-221.	0.4	41
1731	Deregulation of cancer-related miRNAs is a common event in both benign and malignant human breast tumors. Carcinogenesis, 2014, 35, 76-85.	1.3	119
1732	Highâ€throughput screens identify microRNAs essential for HER2 positive breast cancer cell growth. Molecular Oncology, 2014, 8, 93-104.	2.1	146
1733	Altered expression of miR-24, miR-126 and miR-365 does not affect viability of childhood TCF3-rearranged leukemia cells. Leukemia, 2014, 28, 1008-1014.	3.3	23
1734	Gastroenteropancreatic endocrine tumors. Molecular and Cellular Endocrinology, 2014, 386, 101-120.	1.6	32
1735	Interplay between DNA repair and inflammation, and the link to cancer. Critical Reviews in Biochemistry and Molecular Biology, 2014, 49, 116-139.	2.3	128
1736	Planting the seed: target recognition of short guide RNAs. Trends in Microbiology, 2014, 22, 74-83.	3.5	70

#	Article	IF	CITATIONS
1737	Stromal regulation of embryonic and postnatal mammary epithelial development and differentiation. Seminars in Cell and Developmental Biology, 2014, 25-26, 43-51.	2.3	37
1739	A genomic portrait of the genetic architecture and regulatory impact of microRNA expression in response to infection. Genome Research, 2014, 24, 850-859.	2.4	60
1740	MicroRNA-490-3p inhibits proliferation of A549 lung cancer cells by targeting CCND1. Biochemical and Biophysical Research Communications, 2014, 444, 104-108.	1.0	52
1741	The tumor-suppressive microRNA-143/145 cluster inhibits cell migration and invasion by targeting GOLM1 in prostate cancer. Journal of Human Genetics, 2014, 59, 78-87.	1.1	112
1742	Role of MiR-424 on Angiogenic Potential in Human Dental Pulp Cells. Journal of Endodontics, 2014, 40, 76-82.	1.4	51
1743	Non-coding RNAs turn up the heat: An emerging layer of novel regulators in the mammalian heat shock response. Cell Stress and Chaperones, 2014, 19, 159-172.	1.2	77
1744	Prediction of therapeutic microRNA based on the human metabolic network. Bioinformatics, 2014, 30, 1163-1171.	1.8	6
1745	Epigenetic Regulation of the DLK1-MEG3 MicroRNA Cluster in Human Type 2 Diabetic Islets. Cell Metabolism, 2014, 19, 135-145.	7.2	304
1746	Bioinformatic Methods to Discover Cis-regulatory Elements in mRNAs., 2014,, 151-169.		1
1747	MicroRNA-124 (miR-124) Regulates Ku70 Expression and is Correlated with Neuronal Death Induced by Ischemia/Reperfusion. Journal of Molecular Neuroscience, 2014, 52, 148-155.	1.1	94
1748	Spatial and temporal expression levels of specific microRNAs in a spinal cord injury mouse model and their relationship to the duration of compression. Spine Journal, 2014, 14, 353-360.	0.6	30
1749	MicroRNA Expression Landscapes in Stem Cells, Tissues, and Cancer. Methods in Molecular Biology, 2014, 1107, 279-302.	0.4	6
1750	Deletion of the miR-143/145 Cluster Leads to Hydronephrosis in Mice. American Journal of Pathology, 2014, 184, 3226-3238.	1.9	13
1751	Bioprocess engineering: micromanaging Chinese hamster ovary cell phenotypes. Pharmaceutical Bioprocessing, 2014, 2, 323-337.	0.8	7
1752	Dicer in immune cell development and function. Immunological Investigations, 2014, 43, 182-195.	1.0	21
1753	Epigenetic Regulation of Infant Neurobehavioral Outcomes. Medical Epigenetics, 2014, 2, 71-79.	262.3	38
1754	Extracellular Vesicles Released from Mesenchymal Stromal Cells Modulate miRNA in Renal Tubular Cells and Inhibit ATP Depletion Injury. Stem Cells and Development, 2014, 23, 1809-1819.	1.1	121
1755	miRâ€545 inhibited pancreatic ductal adenocarcinoma growth by targeting RIGâ€I. FEBS Letters, 2014, 588, 4375-4381.	1.3	45

#	Article	IF	CITATIONS
1756	Computational analysis of $3\hat{a}\in^2$ UTR region of CASP3 with respect to miRSNPs and SNPs in targetting miRNAs. Computational Biology and Chemistry, 2014, 53, 235-241.	1.1	5
1757	Resources for Small Regulatory RNAs. Current Protocols in Molecular Biology, 2014, 107, 19.8.1-14.	2.9	2
1759	Effects of hypoxic exercise training on microRNA expression and lipid metabolism in obese rat livers. Journal of Zhejiang University: Science B, 2014, 15, 820-829.	1.3	23
1760	Investigating the functional implications of reinforcing feedback loops in transcriptional regulatory networks. Molecular BioSystems, 2014, 10, 3238-3248.	2.9	5
1761	Expression of microRNA miR-126 and miR-200c is associated with prognosis in patients with non-small cell lung cancer. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2014, 465, 463-471.	1.4	56
1762	Circulating microRNAs as Promising Tumor Biomarkers. Advances in Clinical Chemistry, 2014, 67, 189-214.	1.8	30
1763	microRNA-140 Targets <i>RALA</i> and Regulates Chondrogenic Differentiation of Human Mesenchymal Stem Cells by Translational Enhancement of <i>SOX9</i> and <i>ACAN</i> . Stem Cells and Development, 2014, 23, 290-304.	1.1	109
1764	Noninvasive Micromarkers. Clinical Chemistry, 2014, 60, 1158-1173.	1.5	36
1765	Endogenous miRNA and Target Concentrations Determine Susceptibility to Potential ceRNA Competition. Molecular Cell, 2014, 56, 347-359.	4.5	354
1766	Anti-cancer therapeutic potential of quinazoline based small molecules via global upregulation of miRNAs. Chemical Communications, 2014, 50, 4639.	2.2	18
1767	MicroRNA-339-5p Down-regulates Protein Expression of Î ² -Site Amyloid Precursor Protein-Cleaving Enzyme 1 (BACE1) in Human Primary Brain Cultures and Is Reduced in Brain Tissue Specimens of Alzheimer Disease Subjects. Journal of Biological Chemistry, 2014, 289, 5184-5198.	1.6	163
1768	RARs and MicroRNAs. Sub-Cellular Biochemistry, 2014, 70, 151-179.	1.0	14
1769	Diverse modes of evolutionary emergence and flux of conserved microRNA clusters. Rna, 2014, 20, 1850-1863.	1.6	40
1770	New Approaches to Comparative and Animal Stress Biology Research in the Post-genomic Era: A Contextual Overview. Computational and Structural Biotechnology Journal, 2014, 11, 138-146.	1.9	8
1771	Seq and CLIP through the miRNA world. Genome Biology, 2014, 15, 202.	13.9	20
1772	miRTarBase update 2014: an information resource for experimentally validated miRNA-target interactions. Nucleic Acids Research, 2014, 42, D78-D85.	6.5	710
1773	miRNAome analysis of the mammalian neuronal nicotinic acetylcholine receptor gene family. Rna, 2014, 20, 1890-1899.	1.6	11
1774	Direct detection of circulating microRNAs in serum of cancer patients by coupling protein-facilitated specific enrichment and rolling circle amplification. Chemical Communications, 2014, 50, 3292-3295.	2.2	41

#	Article	IF	CITATIONS
1775	Quantitative and stoichiometric analysis of the microRNA content of exosomes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14888-14893.	3.3	880
1776	Emerging role of epigenetics in systemic sclerosis pathogenesis. Genes and Immunity, 2014, 15, 433-439.	2.2	33
1777	MixMir: microRNA motif discovery from gene expression data using mixed linear models. Nucleic Acids Research, 2014, 42, e135-e135.	6.5	16
1778	miR-181a-5p is downregulated in hepatocellular carcinoma and suppresses motility, invasion and branching-morphogenesis by directly targeting c-Met. Biochemical and Biophysical Research Communications, 2014, 450, 1304-1312.	1.0	74
1779	microRNA-340 as a modulator of RAS–RAF–MAPK signaling in melanoma. Archives of Biochemistry and Biophysics, 2014, 563, 118-124.	1.4	52
1780	MicroRNAs in the interaction between host and bacterial pathogens. FEBS Letters, 2014, 588, 4140-4147.	1.3	145
1781	Epigenetics: the language of the cell?. Epigenomics, 2014, 6, 73-88.	1.0	71
1782	Prometastatic GPCR CD97 Is a Direct Target of Tumor Suppressor microRNA-126. ACS Chemical Biology, 2014, 9, 334-338.	1.6	26
1783	Overexpression of MIR9 indicates poor prognosis in acute lymphoblastic leukemia. Leukemia and Lymphoma, 2014, 55, 78-86.	0.6	14
1784	MicroRNAs as modulators and biomarkers of inflammatory and neuropathic pain conditions. Neurobiology of Disease, 2014, 71, 159-168.	2.1	139
1785	A Genetic Variant in the Seed Region of miR-4513 Shows Pleiotropic Effects on Lipid and Glucose Homeostasis, Blood Pressure, and Coronary Artery Disease. Human Mutation, 2014, 35, 1524-1531.	1.1	45
1786	Aldosterone Regulates MicroRNAs in the Cortical Collecting Duct to Alter Sodium Transport. Journal of the American Society of Nephrology: JASN, 2014, 25, 2445-2457.	3.0	42
1787	miR-133 is a key negative regulator of CDC42–PAK pathway in gastric cancer. Cellular Signalling, 2014, 26, 2667-2673.	1.7	49
1788	MicroRNA regulation of mitochondrial and ER stress signaling pathways: implications for lipoprotein metabolism in metabolic syndrome. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E729-E737.	1.8	35
1789	miRNAs as novel therapeutic targets and diagnostic biomarkers for Parkinson's disease: a patent evaluation of WO2014018650. Expert Opinion on Therapeutic Patents, 2014, 24, 1271-1276.	2.4	14
1790	Human-specific microRNA regulation of FOXO1: implications for microRNA recognition element evolution. Human Molecular Genetics, 2014, 23, 2593-2603.	1.4	19
1791	Integrated transcriptome analysis reveals miRNA–mRNA crosstalk in laryngeal squamous cell carcinoma. Genomics, 2014, 104, 249-256.	1.3	20
1792	General principles and methods for routine automated microRNA in situ hybridization and double labeling with immunohistochemistry. Biotechnic and Histochemistry, 2014, 89, 259-266.	0.7	12

#	Article	IF	CITATIONS
1793	miR-93-directed downregulation of DAB2 defines a novel oncogenic pathway in lung cancer. Oncogene, 2014, 33, 4307-4315.	2.6	73
1794	The role of microRNA in castration-resistant prostate cancer. Urologic Oncology: Seminars and Original Investigations, 2014, 32, 517-523.	0.8	35
1795	Sex differences in microRNA expression during development rat cortex. Neurochemistry International, 2014, 77, 24-32.	1.9	32
1796	microRNA Expression and Biogenesis in Cellular Response to Ionizing Radiation. DNA and Cell Biology, 2014, 33, 667-679.	0.9	32
1797	A methylome-wide study of aging using massively parallel sequencing of the methyl-CpG-enriched genomic fraction from blood in over 700 subjects. Human Molecular Genetics, 2014, 23, 1175-1185.	1.4	147
1798	Alternative splicing of the sheep MITF gene: Novel transcripts detectable in skin. Gene, 2014, 552, 165-175.	1.0	21
1799	A genome-wide screen for non-template nucleotides and isomiR repertoires in miRNAs indicates dynamic and versatile microRNAome. Molecular Biology Reports, 2014, 41, 6649-6658.	1.0	20
1800	Exposing synonymous mutations. Trends in Genetics, 2014, 30, 308-321.	2.9	272
1801	Functional Evolution of Cardiac MicroRNAs in Heart Development and Functions. Molecular Biology and Evolution, 2014, 31, 2722-2734.	3.5	21
1802	Inferring condition-specific miRNA activity from matched miRNA and mRNA expression data. Bioinformatics, 2014, 30, 3070-3077.	1.8	22
1803	Integrative cross-omics analysis in primary mouse hepatocytes unravels mechanisms of cyclosporin A-induced hepatotoxicity. Toxicology, 2014, 324, 18-26.	2.0	21
1804	Target-Triggered Three-Way Junction Structure and Polymerase/Nicking Enzyme Synergetic Isothermal Quadratic DNA Machine for Highly Specific, One-Step, and Rapid MicroRNA Detection at Attomolar Level. Analytical Chemistry, 2014, 86, 8098-8105.	3.2	98
1805	A Small-Molecule Targeting the MicroRNA Binding Domain of Argonaute 2 improves the Retinoic Acid Differentiation Response of the Acute Promyelocytic Leukemia Cell Line NB4. ACS Chemical Biology, 2014, 9, 1674-1679.	1.6	29
1806	MicroRNA-34a Inhibits Osteoblast Differentiation and In Vivo Bone Formation of Human Stromal Stem Cells. Stem Cells, 2014, 32, 902-912.	1.4	162
1807	Nanotechnologyâ€Based Strategies for the Detection and Quantification of MicroRNA. Chemistry - A European Journal, 2014, 20, 9476-9492.	1.7	56
1808	An ALS-associated mutation in the FUS 3′-UTR disrupts a microRNA–FUS regulatory circuitry. Nature Communications, 2014, 5, 4335.	5.8	102
1809	The role of microRNAs and long non-coding RNAs in the pathology, diagnosis, and management of melanoma. Archives of Biochemistry and Biophysics, 2014, 563, 60-70.	1.4	68
1810	A Functional SNP Catalog of Overlapping miRNA-Binding Sites in Genes Implicated in Prion Disease and Other Neurodegenerative Disorders. Human Mutation, 2014, 35, 1233-1248.	1.1	15

#	Article	IF	CITATIONS
1811	Role of microRNAs in the modulation of diabetic retinopathy. Progress in Retinal and Eye Research, 2014, 43, 92-107.	7.3	121
1812	Loss of <i>MIR15A</i> and <i>MIR16â€4</i> at 13q14 is associated with increased <i>TP53 </i> <scp>mRNA</scp> , deâ€repression of <i>BCL2</i> and adverse outcome in chronic lymphocytic leukaemia. British Journal of Haematology, 2014, 167, 346-355.	1.2	22
1813	Hepatic Transcriptome Profiles Differ Among Maturing Beef Heifers Supplemented with Inorganic, Organic, or Mixed (50Â% Inorganic:50Â% Organic) Forms of Dietary Selenium. Biological Trace Element Research, 2014, 160, 321-339.	1.9	23
1814	Elevated level of microRNA-21 in the serum of patients with colorectal cancer. Medical Oncology, 2014, 31, 205.	1.2	40
1815	A systems biology approach identified different regulatory networks targeted by KSHV miR-K12-11 in B cells and endothelial cells. BMC Genomics, 2014, 15, 668.	1.2	12
1816	MiR-205 inhibits cell apoptosis by targeting phosphatase and tensin homolog deleted on chromosome ten in endometrial cancer ishikawa cells. BMC Cancer, 2014, 14, 440.	1.1	55
1817	Polymorphisms in microRNA target sites modulate risk of lymphoblastic and myeloid leukemias and affect microRNA binding. Journal of Hematology and Oncology, 2014, 7, 43.	6.9	24
1818	Circulating miR-1, miR-133a, and miR-206 levels are increased after a half-marathon run. Biomarkers, 2014, 19, 585-589.	0.9	74
1819	mRNA Destabilization Is the Dominant Effect of Mammalian MicroRNAs by the Time Substantial Repression Ensues. Molecular Cell, 2014, 56, 104-115.	4.5	424
1820	miRNA Expression Profiles in Cerebrospinal Fluid and Blood of Patients with Acute Ischemic Stroke. Translational Stroke Research, 2014, 5, 711-718.	2.3	136
1821	Long Non-coding RNA HOTAIR Is Targeted and Regulated by miR-141 in Human Cancer Cells. Journal of Biological Chemistry, 2014, 289, 12550-12565.	1.6	180
1822	Concise Review: Harmonies Played by MicroRNAs in Cell Fate Reprogramming. Stem Cells, 2014, 32, 3-15.	1.4	44
1823	Translational repression of SLC26A3 by miR-494 in intestinal epithelial cells. American Journal of Physiology - Renal Physiology, 2014, 306, G123-G131.	1.6	19
1825	MicroRNA expression in relation to different dietary habits: a comparison in stool and plasma samples. Mutagenesis, 2014, 29, 385-391.	1.0	56
1826	Selective Covalent Labeling of miRNA and siRNA Duplexes Using HEN1 Methyltransferase. Journal of the American Chemical Society, 2014, 136, 13550-13553.	6.6	36
1828	Understanding principles of <scp>miRNA</scp> target recognition and function through integrated biological and bioinformatics approaches. Wiley Interdisciplinary Reviews RNA, 2014, 5, 361-379.	3.2	60
1829	miR-34a regulates mesangial cell proliferation via the PDGFR-β/Ras-MAPK signaling pathway. Cellular and Molecular Life Sciences, 2014, 71, 4027-4042.	2.4	34
1830	MicroRNA-34a is dispensable for p53 function as teratogenesis inducer. Archives of Toxicology, 2014, 88, 1749-1763.	1.9	7

#	Article	IF	CITATIONS
1831	MicroRNA target prediction: theory and practice. Molecular Genetics and Genomics, 2014, 289, 1085-1101.	1.0	5
1832	Cancer genomics identifies disrupted epigenetic genes. Human Genetics, 2014, 133, 713-725.	1.8	47
1833	MicroRNA-452 promotes tumorigenesis in hepatocellular carcinoma by targeting cyclin-dependent kinase inhibitor 1B. Molecular and Cellular Biochemistry, 2014, 389, 187-195.	1.4	54
1834	Differential expression of miRNAs with metabolic implications in hibernating thirteen-lined ground squirrels, Ictidomys tridecemlineatus. Molecular and Cellular Biochemistry, 2014, 394, 291-298.	1.4	31
1835	Decreased miR-30b-5p expression by DNMT1 methylation regulation involved in gastric cancer metastasis. Molecular Biology Reports, 2014, 41, 5693-5700.	1.0	30
1836	Identification and consequences of miRNA–target interactions — beyond repression of gene expression. Nature Reviews Genetics, 2014, 15, 599-612.	7.7	556
1837	Reproducible combinatorial regulatory networks elucidate novel oncogenic microRNAs in non-small cell lung cancer. Rna, 2014, 20, 1356-1368.	1.6	47
1838	Regulation of microRNA biogenesis. Nature Reviews Molecular Cell Biology, 2014, 15, 509-524.	16.1	4,396
1839	Identification of tumour suppressive microRNA-451a in hypopharyngeal squamous cell carcinoma based on microRNA expression signature. British Journal of Cancer, 2014, 111, 386-394.	2.9	68
1840	In Silico Prediction and Characterization of MicroRNAs from <i>Aphis gossypii</i> (Hemiptera:) Tj ETQq1 1 0.784	314 rgBT / 1.3	Oyerlock 10
1841	Mirsynergy: detecting synergistic miRNA regulatory modules by overlapping neighbourhood expansion. Bioinformatics, 2014, 30, 2627-2635.	1.8	79
1842	Single Molecule Fluorescence Approaches Shed Light on Intracellular RNAs. Chemical Reviews, 2014, 114, 3224-3265.	23.0	73
1843	Plasma Exosome MicroRNA Profiling Unravels a New Potential Modulator of Adiponectin Pathway in Diabetes: Effect of Glycemic Control. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E1681-E1685.	1.8	150
1844	Genetic variation in the non-coding genome: Involvement of micro-RNAs and long non-coding RNAs in disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1910-1922.	1.8	215
1845	Cell-free nucleic acids as non-invasive biomarkers of gynecological cancers, ovarian, endometrial and obstetric disorders and fetal aneuploidy. Human Reproduction Update, 2014, 20, 905-923.	5.2	53
1846	Differential regulation of microRNA transcriptome in chicken lines resistant and susceptible to necrotic enteritis disease. Poultry Science, 2014, 93, 1383-1395.	1.5	40
1847	Differential expression of speckled POZ protein, SPOP: Putative regulation by miR-145. Journal of Biosciences, 2014, 39, 401-413.	0.5	11
1848	The role of microRNAs in lymphopoiesis. International Journal of Hematology, 2014, 100, 246-253.	0.7	32

#	Article	IF	CITATIONS
1849	Mitochondrial MicroRNAs and Their Potential Role in Cell Function. Current Pathobiology Reports, 2014, 2, 123-132.	1.6	17
1850	Identifying microRNA targets in different gene regions. BMC Bioinformatics, 2014, 15, S4.	1.2	112
1851	The miRNAome of the postpartum dairy cow liver in negative energy balance. BMC Genomics, 2014, 15, 279.	1.2	28
1852	miR-375 activates p21 and suppresses telomerase activity by coordinately regulating HPV E6/E7, E6AP, CIP2A, and 14-3-319. Molecular Cancer, 2014, 13, 80.	7.9	84
1853	Identification of candidate miRNA biomarkers from miRNA regulatory network with application to prostate cancer. Journal of Translational Medicine, 2014, 12, 66.	1.8	94
1854	Regulation of gene expression by microRNA in HCV infection and HCV–mediated hepatocellular carcinoma. Virology Journal, 2014, 11, 64.	1.4	43
1855	Sources of Individual Variability: Mirnas That Predispose to Neuropathic Pain Identified Using Genome-Wide Sequencing. Molecular Pain, 2014, 10, 1744-8069-10-22.	1.0	41
1856	Transcriptional override: a regulatory network model of indirect responses to modulations in microRNA expression. BMC Systems Biology, 2014, 8, 36.	3.0	19
1857	The emerging role of epigenetics in cardiovascular disease. Therapeutic Advances in Chronic Disease, 2014, 5, 178-187.	1.1	107
1858	HTLV-1 bZIP Factor HBZ Promotes Cell Proliferation and Genetic Instability by Activating OncomiRs. Cancer Research, 2014, 74, 6082-6093.	0.4	74
1859	Adaptive evolution of testis-specific, recently evolved, clustered miRNAs in <i>Drosophila</i> . Rna, 2014, 20, 1195-1209.	1.6	47
1860	MicroRNA-146a alleviates chronic skin inflammation in atopic dermatitis through suppression of innate immune responses in keratinocytes. Journal of Allergy and Clinical Immunology, 2014, 134, 836-847.e11.	1.5	152
1861	<scp>RNA</scp> in development: how ribonucleoprotein granules regulate the life cycles of pathogenic protozoa. Wiley Interdisciplinary Reviews RNA, 2014, 5, 263-284.	3.2	45
1862	The miR-155–PU.1 axis acts on Pax5 to enable efficient terminal B cell differentiation. Journal of Experimental Medicine, 2014, 211, 2183-2198.	4.2	83
1863	Concatemeric dsDNA-Templated Copper Nanoparticles Strategy with Improved Sensitivity and Stability Based on Rolling Circle Replication and Its Application in MicroRNA Detection. Analytical Chemistry, 2014, 86, 6976-6982.	3.2	129
1864	Maternal Epigenetic Inheritance and Stress During Gestation. , 2014, , 197-219.		3
1865	CPuORF correlates with miRNA responsive elements on protein evolutionary rates. Biochemical and Biophysical Research Communications, 2014, 452, 66-71.	1.0	3
1866	MicroRNA processing machinery in the developing chick embryo. Gene Expression Patterns, 2014, 16, 114-121.	0.3	4

#	Article	IF	CITATIONS
1867	MicroRNA-205 Targets Tight Junction-related Proteins during Urothelial Cellular Differentiation. Molecular and Cellular Proteomics, 2014, 13, 2321-2336.	2.5	10
1868	The development of electrochemical assays for microRNAs. Electrochimica Acta, 2014, 126, 19-30.	2.6	30
1869	Efficacy of gemcitabine conjugated and miRNA-205 complexed micelles for treatment of advanced pancreatic cancer. Biomaterials, 2014, 35, 7077-7087.	5.7	137
1870	Expression of miR-15/107 Family MicroRNAs in Human Tissues and Cultured Rat Brain Cells. Genomics, Proteomics and Bioinformatics, 2014, 12, 19-30.	3.0	55
1871	MicroRNAâ€155 negatively affects blood–brain barrier function during neuroinflammation. FASEB Journal, 2014, 28, 2551-2565.	0.2	220
1872	Mining the 3′UTR of Autism-implicated Genes for SNPs Perturbing MicroRNA Regulation. Genomics, Proteomics and Bioinformatics, 2014, 12, 92-104.	3.0	33
1873	MicroRNAs and HIV-1 Infection: Antiviral Activities and Beyond. Journal of Molecular Biology, 2014, 426, 1178-1197.	2.0	96
1874	A common polymorphism in pre-microRNA-146a is associated with lung cancer risk in a Korean population. Gene, 2014, 534, 66-71.	1.0	47
1875	RNA Bind-n-Seq: Quantitative Assessment of the Sequence and Structural Binding Specificity of RNA Binding Proteins. Molecular Cell, 2014, 54, 887-900.	4.5	346
1876	Modulation of microRNAs in two genetically disparate chicken lines showing different necrotic enteritis disease susceptibility. Veterinary Immunology and Immunopathology, 2014, 159, 74-82.	0.5	19
1877	Functional interpretation of microRNA–mRNA association in biological systems using R. Computers in Biology and Medicine, 2014, 44, 124-131.	3.9	6
1878	Analytical approaches in microRNA therapeutics. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 964, 146-152.	1.2	14
1879	Mutant p53 exerts oncogenic effects through microRNAs and their target gene networks. FEBS Letters, 2014, 588, 2610-2615.	1.3	28
1880	Argonaute 2 Mediates Compensatory Expansion of the Pancreatic \hat{l}^2 Cell. Cell Metabolism, 2014, 19, 122-134.	7.2	139
1881	Regulation of spermatogenesis by small non-coding RNAs: Role of the germ granule. Seminars in Cell and Developmental Biology, 2014, 29, 84-92.	2.3	77
1882	Involvement of the insulin-like growth factor I receptor and its downstream antiapoptotic signaling pathway is revealed by dysregulated microRNAs in bladder carcinoma. Urological Science, 2014, 25, 58-64.	0.2	9
1883	Dysregulation of miR-124-1 predicts favorable prognosis in acute myeloid leukemia. Clinical Biochemistry, 2014, 47, 63-66.	0.8	29
1884	Upregulation of miR-18a-5p contributes to epidermal necrolysis in severe drug eruptions. Journal of Allergy and Clinical Immunology, 2014, 133, 1065-1074.	1.5	50

#	Article	IF	CITATIONS
1885	Refining microRNA target predictions: Sorting the wheat from the chaff. Biochemical and Biophysical Research Communications, 2014, 445, 780-784.	1.0	31
1886	MicroRNAâ€432 contributes to dopamine cocktail and retinoic acid induced differentiation of human neuroblastoma cells by targeting NESTIN and RCOR1 genes. FEBS Letters, 2014, 588, 1706-1714.	1.3	36
1887	MiRâ€129â€5p is downâ€regulated and involved in the growth, apoptosis and migration of medullary thyroid carcinoma cells through targeting RET. FEBS Letters, 2014, 588, 1644-1651.	1.3	68
1888	Retinoid X receptor α in human liver is regulated by miR-34a. Biochemical Pharmacology, 2014, 90, 179-187.	2.0	41
1889	Involvement of miRNAs in the early phase of halothane-induced liver injury. Toxicology, 2014, 319, 75-84.	2.0	22
1890	MicroRNAs in the skeleton: Cell-restricted or potent intercellular communicators?. Archives of Biochemistry and Biophysics, 2014, 561, 46-55.	1.4	25
1891	Role of microRNAs in the age-related changes in skeletal muscle and diet or exercise interventions to promote healthy aging in humans. Ageing Research Reviews, 2014, 17, 25-33.	5.0	53
1892	Transcriptome-wide analysis of TDP-43 binding small RNAs identifies miR-NID1 (miR-8485), a novel miRNA that represses NRXN1 expression. Genomics, 2014, 103, 76-82.	1.3	35
1893	Insights into miRNA regulation of the human glycome. Biochemical and Biophysical Research Communications, 2014, 445, 774-779.	1.0	33
1894	Chronic supplementation of proanthocyanidins reduces postprandial lipemia and liver miR-33a and miR-122 levels in a dose-dependent manner in healthy rats. Journal of Nutritional Biochemistry, 2014, 25, 151-156.	1.9	37
1895	Endothelial Cell MicroRNA Expression in Human Late-Onset Fuchs' Dystrophy., 2014, 55, 216.		50
1896	Resveratrol inhibits estrogen-induced breast carcinogenesis through induction of NRF2-mediated protective pathways. Carcinogenesis, 2014, 35, 1872-1880.	1.3	128
1897	Interplay Between the Oxidoreductase PDIA6 and microRNA-322 Controls the Response to Disrupted Endoplasmic Reticulum Calcium Homeostasis. Science Signaling, 2014, 7, ra54.	1.6	92
1898	Widespread context dependency of microRNA-mediated regulation. Genome Research, 2014, 24, 906-919.	2.4	111
1899	The miRNA-Mediated Cross-Talk between Transcripts Provides a Novel Layer of Posttranscriptional Regulation. Advances in Genetics, 2014, 85, 149-199.	0.8	29
1900	Role of MicroRNAs in Biotic and Abiotic Stress Responses in Crop Plants. Applied Biochemistry and Biotechnology, 2014, 174, 93-115.	1.4	175
1901	microRNAs: a new class of breast cancer biomarkers. Expert Review of Molecular Diagnostics, 2014, 14, 347-363.	1.5	36
1903	MicroRNAs in normal and psoriatic skin. Physiological Genomics, 2014, 46, 113-122.	1.0	28

#	Article	IF	CITATIONS
1904	Noncoding RNAs in Prostate Cancer: The Long and the Short of It. Clinical Cancer Research, 2014, 20, 35-43.	3.2	59
1905	Diagnostic Potential of miR-126, miR-143, miR-145, and miR-652 in Malignant Pleural Mesothelioma. Journal of Molecular Diagnostics, 2014, 16, 418-430.	1.2	57
1906	Emerging roles of microRNAs in chronic pain. Neurochemistry International, 2014, 77, 58-67.	1.9	53
1907	Competitive Endogenous RNAs Cannot Alter MicroRNA Function InÂVivo. Molecular Cell, 2014, 54, 711-713.	4.5	54
1908	MicroRNA-296-5p (miR-296-5p) functions as a tumor suppressor in prostate cancer by directly targeting Pin1. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2055-2066.	1.9	88
1909	MicroRNA 135 Is Essential for Chronic Stress Resiliency, Antidepressant Efficacy, and Intact Serotonergic Activity. Neuron, 2014, 83, 344-360.	3.8	321
1910	Post-transcriptional Regulation of Human Breast Cancer Cell Proteome by Unliganded Estrogen Receptor \hat{l}^2 via microRNAs. Molecular and Cellular Proteomics, 2014, 13, 1076-1090.	2.5	33
1911	Essential functions of microRNAs in animal reproductive organs. Molecular Biology, 2014, 48, 319-331.	0.4	10
1912	microRNAs in Cancer Cell Response to Ionizing Radiation. Antioxidants and Redox Signaling, 2014, 21, 293-312.	2.5	83
1913	Regulation of pri-miRNA Processing by a Long Noncoding RNA Transcribed from an Ultraconserved Region. Molecular Cell, 2014, 55, 138-147.	4.5	137
1914	Dynamic Expression of MicroRNA-127 During Porcine Prenatal and Postnatal Skeletal Muscle Development. Journal of Integrative Agriculture, 2014, 13, 1331-1339.	1.7	9
1915	An Essential Mesenchymal Function for miR-143/145 in Intestinal Epithelial Regeneration. Cell, 2014, 157, 1104-1116.	13.5	188
1916	MicroRNA-9 promotes the switch from early-born to late-born motor neuron populations by regulating Onecut transcription factor expression. Developmental Biology, 2014, 386, 358-370.	0.9	38
1917	Zonation of glucose and fatty acid metabolism in the liver: Mechanism and metabolic consequences. Biochimie, 2014, 96, 121-129.	1.3	134
1918	MicroRNAs regulate both epithelial-to-mesenchymal transition and cancer stem cells. Oncogene, 2014, 33, 269-278.	2.6	92
1919	Suppression of MIM by microRNA-182 activates RhoA and promotes breast cancer metastasis. Oncogene, 2014, 33, 1287-1296.	2.6	114
1920	Competing endogenous RNAs (ceRNAs): new entrants to the intricacies of gene regulation. Frontiers in Genetics, 2014, 5, 8.	1.1	328
1921	Small Engine, Big Power: MicroRNAs as Regulators of Cardiac Diseases and Regeneration. International Journal of Molecular Sciences, 2014, 15, 15891-15911.	1.8	47

#	Article	IF	CITATIONS
1922	The role of Micro-RNAs in Hepatocellular Carcinoma: From Molecular Biology to Treatment. Molecules, 2014, 19, 6393-6406.	1.7	56
1923	Role of MicroRNA in Response to Ionizing Radiations: Evidences and Potential Impact on Clinical Practice for Radiotherapy. Molecules, 2014, 19, 5379-5401.	1.7	63
1924	Regulation of miRNA Processing and miRNA Mediated Gene Repression in Cancer. MicroRNA (Shariqah,) Tj ETQq0	0.0 rgBT / 0.6	Overlock 10
1925	Issues and Prospects of microRNA-Based Biomarkers in Blood and Other Body Fluids. Molecules, 2014, 19, 6080-6105.	1.7	102
1926	Computational Methods for MicroRNA Target Prediction. Genes, 2014, 5, 671-683.	1.0	92
1927	Common features of microRNA target prediction tools. Frontiers in Genetics, 2014, 5, 23.	1.1	356
1928	Stem cell technology. , 2014, , 180-207.		0
1929	MicroRNAs: role and therapeutic targets in viral hepatitis. Antiviral Therapy, 2014, 19, 533-541.	0.6	10
1930	miR-224 promotes colorectal cancer cells proliferation via downregulation of P21WAF1/CIP1. Molecular Medicine Reports, 2014, 9, 941-946.	1.1	7
1931	Identification of differentially expressed microRNAs in metastatic melanoma using next-generation sequencing technology. International Journal of Molecular Medicine, 2014, 33, 1117-1121.	1.8	20
1932	Suppressive role of miR-502-5p in breast cancer via downregulation of TRAF2. Oncology Reports, 2014, 31, 2085-2092.	1.2	41
1933	MicroRNA-binding site polymorphisms in hematological malignancies. Journal of Hematology and Oncology, 2014, 7, 83.	6.9	12
1934	Human platelet microRNA-mRNA networks associated with age and gender revealed by integrated plateletomics. Blood, 2014, 123, e37-e45.	0.6	199
1935	MicroRNA-26a acts as a tumor suppressor inhibiting gallbladder cancer cell proliferation by directly targeting HMGA2. International Journal of Oncology, 2014, 44, 2050-2058.	1.4	58
1936	Tumor-suppressive microRNA-29s inhibit cancer cell migration and invasion via targeting LAMC1 in prostate cancer. International Journal of Oncology, 2014, 45, 401-410.	1.4	93
1937	Dynamic Expression Changes between Non-Muscle-Invasive Bladder Cancer and Muscle-Invasive Bladder Cancer. Tumori, 2014, 100, e273-e281.	0.6	1
1938	Functional Annotation of Putative Regulatory Elements at Cancer Susceptibility Loci. Cancer Informatics, 2014, 13s2, CIN.S13789.	0.9	6
1939	Dynamics of miRNA driven feed-forward loop depends upon miRNA action mechanisms. BMC Genomics, 2014, 15, S9.	1.2	13

#	Article	IF	Citations
1940	Gene regulation mediated by microRNAs in response to green tea polyphenol EGCG in mouse lung cancer. BMC Genomics, 2014, 15, S3.	1.2	66
1941	Inferring the miRNA-disease associations based on domain-disease associations. IFAC-PapersOnLine, 2015, 48, 7-11.	0.5	2
1942	Regulatory effect of miRNA 320a on expression of aquaporin 4 in brain tissue of epileptic rats. Asian Pacific Journal of Tropical Medicine, 2015, 8, 807-812.	0.4	8
1943	MicroRNA regulation of p21 and TASK1 cellular restriction-factors enhances HIV-1 infection. Journal of Cell Science, 2015, 128, 1607-16.	1.2	51
1944	MicroRNA-133a inhibits cell proliferation, colony formation ability, migration and invasion by targeting matrix metallopeptidase 9 in hepatocellular carcinoma. Molecular Medicine Reports, 2015, 11, 3900-3907.	1.1	28
1945	Prediction of microRNA target genes using an efficient genetic algorithmâ€based decision tree. FEBS Open Bio, 2015, 5, 877-884.	1.0	9
1946	Epigenome-modifying tools in asthma. Epigenomics, 2015, 7, 1017-1032.	1.0	49
1947	Altered microRNA Expression Profiles and Regulation of INK4A/CDKN2A Tumor Suppressor Genes in Canine Breast Cancer Models. Journal of Cellular Biochemistry, 2015, 116, 2956-2969.	1.2	25
1948	Validated MicroRNA Target Databases: An Evaluation. Drug Development Research, 2015, 76, 389-396.	1.4	50
1949	Genome-Wide MicroRNA and Gene Analysis of Mesenchymal Stem Cell Chondrogenesis Identifies an Essential Role and Multiple Targets for miR-140-5p. Stem Cells, 2015, 33, 3266-3280.	1.4	72
1950	<scp>CBX</scp> 7 and miRâ€9 are part of an autoregulatory loop controlling p16 <scp>^{INK}</scp> ^{4a} . Aging Cell, 2015, 14, 1113-1121.	3.0	18
1951	Circulating micro <scp>RNA</scp> signature of genotypeâ€byâ€age interactions in the longâ€lived <scp>A</scp> mes dwarf mouse. Aging Cell, 2015, 14, 1055-1066.	3.0	54
1952	Micro <scp>RNA</scp> s (mi <scp>RNA</scp> s) in the control of <scp>HF</scp> development and cycling: the next frontiers in hair research. Experimental Dermatology, 2015, 24, 821-826.	1.4	47
1953	Overexpression of deubiquitinating enzyme <scp>USP</scp> 28 promoted nonâ€small cell lung cancer growth. Journal of Cellular and Molecular Medicine, 2015, 19, 799-805.	1.6	62
1954	The circulating transcriptome as a source of nonâ€invasive cancer biomarkers: concepts and controversies of nonâ€coding and coding <scp>RNA</scp> in body fluids. Journal of Cellular and Molecular Medicine, 2015, 19, 2307-2323.	1.6	78
1955	An integrated analysis of the effects of microRNA and mRNA on esophageal squamous cell carcinoma. Molecular Medicine Reports, 2015, 12, 945-952.	1.1	17
1956	Let-7a is differentially expressed in bronchial biopsies of patients with severe asthma. Scientific Reports, 2014, 4, 6103.	1.6	33
1957	Integrated analysis of miRNA and mRNA paired expression profiling of prenatal skeletal muscle development in three genotype pigs. Scientific Reports, 2015, 5, 15544.	1.6	67

#	ARTICLE	IF	CITATIONS
1958	MicroRNA-33a/b in Lipid Metabolism. Circulation Journal, 2015, 79, 278-284.	0.7	27
1959	MicroRNA-124 and -137 cooperativity controls caspase-3 activity through BCL2L13 in hippocampal neural stem cells. Scientific Reports, 2015, 5, 12448.	1.6	63
1960	An ensemble SVM model for the accurate prediction of non-canonical MicroRNA targets., 2015, , .		12
1961	miRNA target recognition using features of suboptimal alignments. International Journal of Data Mining and Bioinformatics, 2015, 13, 171.	0.1	1
1962	Down-regulation of microRNA-144 in air pollution-related lung cancer. Scientific Reports, 2015, 5, 14331.	1.6	56
1963	Detection of gene communities in multi-networks reveals cancer drivers. Scientific Reports, 2015, 5, 17386.	1.6	91
1964	Identification of miR-125a-5p as a tumor suppressor of renal cell carcinoma, regulating cellular proliferation, migration and apoptosis. Molecular Medicine Reports, 2015, 11, 1278-1283.	1.1	21
1965	miR-150 Regulates Differentiation and Cytolytic Effector Function in CD8+ T cells. Scientific Reports, 2015, 5, 16399.	1.6	52
1966	Diminution of miR-340-5p levels is responsible for increased expression of ABCB5 in melanoma cells under oxygen-deprived conditions. Experimental and Molecular Pathology, 2015, 99, 707-716.	0.9	33
1967	miR-29a maintains mouse hematopoietic stem cell self-renewal by regulating Dnmt3a. Blood, 2015, 125, 2206-2216.	0.6	70
1968	Expression Changes of MicroRNA-1 and its Targets Connexin 43 and Brain-Derived Neurotrophic Factor in the Peripheral Nervous System of Chronic Neuropathic Rats. Molecular Pain, 2015, 11, s12990-015-0045.	1.0	36
1969	Integrated analysis of microRNA and mRNA expression profiles in abdominal adipose tissues in chickens. Scientific Reports, 2015, 5, 16132.	1.6	60
1970	Genome-wide hydroxymethylcytosine pattern changes in response to oxidative stress. Scientific Reports, 2015, 5, 12714.	1.6	48
1971	miR-346 and miR-138 competitively regulate hTERT in GRSF1- and AGO2-dependent manners, respectively. Scientific Reports, 2015, 5, 15793.	1.6	62
1972	Competing endogenous RNA: A novel posttranscriptional regulatory dimension associated with the progression of cancer. Oncology Letters, 2015, 10, 2683-2690.	0.8	28
1973	Novel roles for LIX1L in promoting cancer cell proliferation through ROS1-mediated LIX1L phosphorylation. Scientific Reports, 2015, 5, 13474.	1.6	10
1974	Computational Prediction of miRNA Genes from Small RNA Sequencing Data. Frontiers in Bioengineering and Biotechnology, 2015, 3, 7.	2.0	37
1975	The Interaction between Epigenetics, Nutrition and the Development of Cancer. Nutrients, 2015, 7, 922-947.	1.7	151

#	Article	IF	CITATIONS
1976	Pathophysiology of Metabolic Syndrome: Part IIâ€"Inuence of Inammatory Status and Oxidative Stress. , 2015, , 52-77.		O
1977	Identification of the miRNA targetome in hippocampal neurons using RIP-seq. Scientific Reports, 2015, 5, 12609.	1.6	29
1978	Computational and <i>in vitro</i> li>Investigation of miRNA-Gene Regulations in Retinoblastoma Pathogenesis: miRNA Mimics Strategy. Bioinformatics and Biology Insights, 2015, 9, BBI.S21742.	1.0	43
1979	tRNA-Derived Short Non-coding RNA as Interacting Partners of Argonaute Proteins. Gene Regulation and Systems Biology, 2015, 9, GRSB.S29411.	2.3	59
1980	Detection of miRNA Targets in High-throughput Using the 3'LIFE Assay. Journal of Visualized Experiments, 2015, , e52647.	0.2	7
1981	miRNA Expression Analyses in Prostate Cancer Clinical Tissues. Journal of Visualized Experiments, 2015,	0.2	14
1982	Elevated hsa-miR-99a levels in maternal plasma may indicate congenital heart defects. Biomedical Reports, 2015, 3, 869-873.	0.9	13
1983	microRNA regulation of the embryonic hypoxic response in Caenorhabditis elegans. Scientific Reports, 2015, 5, 11284.	1.6	18
1984	MicroRNA screening identifies circulating microRNAs as potential biomarkers for osteosarcoma. Oncology Letters, 2015, 10, 1662-1668.	0.8	36
1985	microRNA-425-5p is upregulated in human gastric cancer and contributes to invasion and metastasis in vitro and in vivo. Experimental and Therapeutic Medicine, 2015, 9, 1617-1622.	0.8	42
1986	Transcriptional control analyses of the Xiphophorus melanoma oncogene. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 178, 116-127.	1.3	6
1987	Evolutionary conservation and function of the human embryonic stem cell specific miR-302/367 cluster. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2015, 16, 83-98.	0.4	20
1988	The regulatory and predictive functions of miR-17 and miR-92 families on cisplatin resistance of non-small cell lung cancer. BMC Cancer, 2015, 15, 731.	1.1	58
1989	Identification and conformational analysis of putative microRNAs in Maruca vitrata (Lepidoptera:) Tj ETQq $1\ 1\ C$).784314 rg 2.1	BT <u> </u>
1990	Matrix Remodeling Promotes Pulmonary Hypertension through Feedback Mechanoactivation of the YAP/TAZ-miR-130/301 Circuit. Cell Reports, 2015, 13, 1016-1032.	2.9	193
1991	Identification of novel post-transcriptional features in olfactory receptor family mRNAs. Nucleic Acids Research, 2015, 43, 9314-9326.	6.5	32
1992	Integrated microRNA-mRNA analysis revealing the potential roles of microRNAs in tongue squamous cell cancer. Molecular Medicine Reports, 2015, 12, 885-894.	1.1	14
1993	Chronic binge alcohol administration dysregulates global regulatory gene networks associated with skeletal muscle wasting in simian immunodeficiency virus-infected macaques. BMC Genomics, 2015, 16, 1097.	1.2	21

#	Article	IF	CITATIONS
1994	MicroRNA-363 targets myosin 1B to reduce cellular migration in head and neck cancer. BMC Cancer, 2015, 15, 861.	1.1	34
1995	Epigenetic regulatory pathways involving microRNAs may modulate the host immune response following major trauma. Journal of Trauma and Acute Care Surgery, 2015, 79, 766-772.	1.1	12
1996	Hair shaft mi <scp>RNA</scp> â€221 levels as a new tumor marker of malignant melanoma. Journal of Dermatology, 2015, 42, 198-201.	0.6	7
1997	Unique micro <scp>RNA</scp> s appear at different times during the course of a delayedâ€type hypersensitivity reaction in human skin. Experimental Dermatology, 2015, 24, 953-957.	1.4	17
1998	Connecting rules from paired miRNA and mRNA expression data sets of HCV patients to detect both inverse and positive regulatory relationships. BMC Genomics, 2015, 16, S11.	1.2	21
1999	Detection of miRNA regulatory effect on triple negative breast cancer transcriptome. BMC Genomics, 2015, 16, S4.	1.2	12
2000	Bioinformatics approach to predict target genes for dysregulated microRNAs in hepatocellular carcinoma: study on a chemically-induced HCC mouse model. BMC Bioinformatics, 2015, 16, 408.	1,2	17
2001	MicroRNA target prediction using thermodynamic and sequence curves. BMC Genomics, 2015, 16, 999.	1.2	28
2002	Alterations in serum microRNA in humans with alcohol use disorders impact cell proliferation and cell death pathways and predict structural and functional changes in brain. BMC Neuroscience, 2015, 16, 55.	0.8	40
2003	RNA interference machinery-mediated gene regulation in mouse adult neural stem cells. BMC Neuroscience, 2015, 16, 60.	0.8	16
2004	MicroRNA Expression in Formalin-fixed Paraffin-embedded Cancer Tissue: Identifying Reference MicroRNAs and Variability. BMC Cancer, 2015, 15, 1024.	1.1	27
2005	DNA microarray integromics analysis platform. BioData Mining, 2015, 8, 18.	2.2	11
2006	High-throughput sequencing of RNAs isolated by cross-linking immunoprecipitation (HITS-CLIP) reveals Argonaute-associated microRNAs and targets in Schistosoma japonicum. Parasites and Vectors, 2015, 8, 589.	1.0	11
2007	MicroRNA-720 promotes in vitro cell migration by targeting Rab35 expression in cervical cancer cells. Cell and Bioscience, 2015, 5, 56.	2.1	38
2008	Noncoding RNAs, post-transcriptional RNA operons and Chinese hamster ovary cells. Pharmaceutical Bioprocessing, 2015, 3, 227-247.	0.8	15
2009	Targeting câ€ <scp>M</scp> et in Cancer by Micro <scp>RNA</scp> s: Potential Therapeutic Applications in Hepatocellular Carcinoma. Drug Development Research, 2015, 76, 357-367.	1.4	21
2010	Integrative network analysis of rifampin-regulated miRNAs and their functions in human hepatocytes. Bio-Medical Materials and Engineering, 2015, 26, S1985-S1991.	0.4	4
2011	Posttranscriptional adaptations of the vascular endothelium to hypoxia. Current Opinion in Hematology, 2015, 22, 243-251.	1.2	0

#	Article	IF	CITATIONS
2012	microRNA Profiling as Tool for Developmental Neurotoxicity Testing (DNT). Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2015, 64, 20.9.1-20.9.22.	1,1	10
2013	miRGate: a curated database of human, mouse and rat miRNA–mRNA targets. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav035.	1.4	87
2014	Mini but mighty: micro < scp > RNA < /scp > s in the pathobiology of periodontal disease. Periodontology 2000, 2015, 69, 201-220.	6.3	57
2015	Evaluation of small noncoding RNAs in ex vivo stored human mature red blood cells: changes in noncoding RNA levels correlate with storage lesion events. Transfusion, 2015, 55, 2672-2683.	0.8	21
2016	<i>MicroRNAâ€205</i> inhibits cancer cell migration and invasion via modulation of <i>centromere protein F</i> regulating pathways in prostate cancer. International Journal of Urology, 2015, 22, 867-877.	0.5	29
2017	An update of miRNASNP database for better SNP selection by GWAS data, miRNA expression and online tools. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav029.	1.4	110
2018	Robust Distal Tip Cell Pathfinding in the Face of Temperature Stress Is Ensured by Two Conserved microRNAS in <i>Caenorhabditis elegans</i>	1.2	30
2019	Regulation of lipid metabolism by microRNAs. Current Opinion in Lipidology, 2015, 26, 243-244.	1.2	3
2020	Identification of conserved microRNAs and their target genes in Nile tilapia (Oreochromis niloticus) by bioinformatic analysis. Genetics and Molecular Research, 2015, 14, 2785-2792.	0.3	6
2021	The Role of MicroRNAs in Cardiac Stem Cells. Stem Cells International, 2015, 2015, 1-10.	1.2	11
2022	MiRNA-194 Regulates Palmitic Acid-Induced Toll-Like Receptor 4 Inflammatory Responses in THP-1 Cells. Nutrients, 2015, 7, 3483-3496.	1.7	58
2023	Tumor Suppressor Role of miR-363-3p in Gastric Cancer. Medical Science Monitor, 2015, 21, 4074-4080.	0.5	49
2024	Targeted Pathways in Breast Cancer: Molecular and Protein Markers Guiding Therapeutic Decisions. Current Molecular Pharmacology, 2015, 7, 4-21.	0.7	23
2025	MicroRNAs as B-cell lymphoma biomarkers. Blood and Lymphatic Cancer: Targets and Therapy, 2015, , 25.	1.2	2
2026	MiR-1271 Inhibits Ovarian Cancer Growth by Targeting Cyclin G1. Medical Science Monitor, 2015, 21, 3152-3158.	0.5	47
2027	MicroRNA Expression in the Glaucomatous Retina. , 2015, 56, 7971.		46
2028	The Regulation of Reverse Cholesterol Transport and Cellular Cholesterol Homeostasis by MicroRNAs. Biology, 2015, 4, 494-511.	1.3	33
2029	Sequencing Overview of Ewing Sarcoma: A Journey across Genomic, Epigenomic and Transcriptomic Landscapes. International Journal of Molecular Sciences, 2015, 16, 16176-16215.	1.8	54

#	Article	IF	CITATIONS
2030	miRNAs and Other Epigenetic Changes as Biomarkers in Triple Negative Breast Cancer. International Journal of Molecular Sciences, 2015, 16, 28347-28376.	1.8	56
2031	A Circulating MicroRNA Signature as a Biomarker for Prostate Cancer in a High Risk Group. Journal of Clinical Medicine, 2015, 4, 1369-1379.	1.0	84
2032	MicroRNAs in Nonalcoholic Fatty Liver Disease. Journal of Clinical Medicine, 2015, 4, 1977-1988.	1.0	72
2033	miRNA Stability in Frozen Plasma Samples. Molecules, 2015, 20, 19030-19040.	1.7	85
2034	MicroRNA Silencing by DNA Methylation in Human Cancer: a Literature Analysis. Non-coding RNA, 2015, 1, 44-52.	1.3	31
2035	Meta gene set enrichment analyses link miR-137-regulated pathways with schizophrenia risk. Frontiers in Genetics, 2015, 6, 147.	1.1	33
2036	Emerging applications of read profiles towards the functional annotation of the genome. Frontiers in Genetics, 2015, 6, 188.	1.1	9
2037	miR-23a impairs bone differentiation in osteosarcoma via down-regulation of GJA1. Frontiers in Genetics, 2015, 6, 233.	1.1	28
2038	Epigenetic marks: regulators of livestock phenotypes and conceivable sources of missing variation in livestock improvement programs. Frontiers in Genetics, 2015, 6, 302.	1.1	125
2039	microRNA: Diagnostic Perspective. Frontiers in Medicine, 2015, 2, 51.	1.2	62
2040	Plasticity-related microRNA and their potential contribution to the maintenance of long-term potentiation. Frontiers in Molecular Neuroscience, 2015, 8, 4.	1.4	39
2041	The functional role of microRNA in acute lymphoblastic leukemia: relevance for diagnosis, differential diagnosis, prognosis, and therapy. OncoTargets and Therapy, 2015, 8, 2903.	1.0	35
2042	MicroRNA-940 promotes tumor cell invasion and metastasis by downregulating ZNF24 in gastric cancer. Oncotarget, 2015, 6, 25418-25428.	0.8	56
2043	MicroRNA-214 Suppresses Oncogenesis and Exerts Impact on Prognosis by Targeting PDRG1 in Bladder Cancer. PLoS ONE, 2015, 10, e0118086.	1.1	54
2044	Entropy-Based Model for MiRNA Isoform Analysis. PLoS ONE, 2015, 10, e0118856.	1.1	5
2045	H-Ferritin-Regulated MicroRNAs Modulate Gene Expression in K562 Cells. PLoS ONE, 2015, 10, e0122105.	1.1	30
2046	Delta-Tocotrienol Suppresses Radiation-Induced MicroRNA-30 and Protects Mice and Human CD34+ Cells from Radiation Injury. PLoS ONE, 2015, 10, e0122258.	1.1	33
2047	Placental Expression of miR-517a/b and miR-517c Contributes to Trophoblast Dysfunction and Preeclampsia. PLoS ONE, 2015, 10, e0122707.	1.1	67

#	Article	IF	CITATIONS
2048	Dose-Dependent Effects of Morphine Exposure on mRNA and microRNA (miR) Expression in Hippocampus of Stressed Neonatal Mice. PLoS ONE, 2015, 10, e0123047.	1.1	32
2049	MicroRNA 181b Regulates Decorin Production by Dermal Fibroblasts and May Be a Potential Therapy for Hypertrophic Scar. PLoS ONE, 2015, 10, e0123054.	1.1	51
2050	Effect of miR-20b on Apoptosis, Differentiation, the BMP Signaling Pathway and Mitochondrial Function in the P19 Cell Model of Cardiac Differentiation In Vitro. PLoS ONE, 2015, 10, e0123519.	1.1	16
2051	A Systems Biology Approach Identifies a Regulatory Network in Parotid Acinar Cell Terminal Differentiation. PLoS ONE, 2015, 10, e0125153.	1.1	12
2052	MicroRNA-27a Contributes to Rhabdomyosarcoma Cell Proliferation by Suppressing RARA and RXRA. PLoS ONE, 2015, 10, e0125171.	1.1	26
2053	MiR-187 Targets the Androgen-Regulated Gene ALDH1A3 in Prostate Cancer. PLoS ONE, 2015, 10, e0125576.	1.1	52
2054	MiR-191 Regulates Primary Human Fibroblast Proliferation and Directly Targets Multiple Oncogenes. PLoS ONE, 2015, 10, e0126535.	1.1	20
2055	Meta-Analysis of MicroRNA-146a rs2910164 G>C Polymorphism Association with Autoimmune Diseases Susceptibility, an Update Based on 24 Studies. PLoS ONE, 2015, 10, e0121918.	1.1	23
2056	MicroRNA Transcriptome Profiling in Heart of Trypanosoma cruzi-Infected Mice: Parasitological and Cardiological Outcomes. PLoS Neglected Tropical Diseases, 2015, 9, e0003828.	1.3	79
2057	Cardioprotective Signature of Short-Term Caloric Restriction. PLoS ONE, 2015, 10, e0130658.	1.1	47
2058	Differential miRNA Expression in Cells and Matrix Vesicles in Vascular Smooth Muscle Cells from Rats with Kidney Disease. PLoS ONE, 2015, 10, e0131589.	1.1	37
2059	Gender and Obesity Specific MicroRNA Expression in Adipose Tissue from Lean and Obese Pigs. PLoS ONE, 2015, 10, e0131650.	1.1	45
2060	MicroRNA Profiling of Neurons Generated Using Induced Pluripotent Stem Cells Derived from Patients with Schizophrenia and Schizoaffective Disorder, and 22q11.2 Del. PLoS ONE, 2015, 10, e0132387.	1.1	83
2061	Small ncRNA Expression-Profiling of Blood from Hemophilia A Patients Identifies miR-1246 as a Potential Regulator of Factor 8 Gene. PLoS ONE, 2015, 10, e0132433.	1.1	22
2062	Two Virus-Induced MicroRNAs Known Only from Teleost Fishes Are Orthologues of MicroRNAs Involved in Cell Cycle Control in Humans. PLoS ONE, 2015, 10, e0132434.	1.1	44
2063	Oncogenic Role of miR-15a-3p in 13q Amplicon-Driven Colorectal Adenoma-to-Carcinoma Progression. PLoS ONE, 2015, 10, e0132495.	1.1	22
2064	Investigating the Molecular Basis of Retinal Degeneration in a Familial Cohort of Pakistani Decent by Exome Sequencing. PLoS ONE, 2015, 10, e0136561.	1.1	33
2065	Comparative Genomic, MicroRNA, and Tissue Analyses Reveal Subtle Differences between Non-Diabetic and Diabetic Foot Skin. PLoS ONE, 2015, 10, e0137133.	1.1	53

#	Article	IF	CITATIONS
2066	microRNA-17 Is the Most Up-Regulated Member of the miR-17-92 Cluster during Early Colon Cancer Evolution. PLoS ONE, 2015, 10, e0140503.	1.1	40
2067	Computational Characterization of Exogenous MicroRNAs that Can Be Transferred into Human Circulation. PLoS ONE, 2015, 10, e0140587.	1.1	62
2068	High-Throughput Profiling of Caenorhabditis elegans Starvation-Responsive microRNAs. PLoS ONE, 2015, 10, e0142262.	1.1	16
2069	Human Breast Milk miRNA, Maternal Probiotic Supplementation and Atopic Dermatitis in Offspring. PLoS ONE, 2015, 10, e0143496.	1.1	60
2070	Hepatitis B Virus Infection, MicroRNAs and Liver Disease. International Journal of Molecular Sciences, 2015, 16, 17746-17762.	1.8	42
2071	MicroRNA and Breast Cancer: Understanding Pathogenesis, Improving Management. Non-coding RNA, 2015, 1, 17-43.	1.3	20
2072	miR-218 Inhibits Erythroid Differentiation and Alters Iron Metabolism by Targeting ALAS2 in K562 Cells. International Journal of Molecular Sciences, 2015, 16, 28156-28168.	1.8	12
2073	Molecular Damage in Glaucoma: from Anterior to Posterior Eye Segment. The MicroRNA Role. MicroRNA (Shariqah, United Arab Emirates), 2015, 4, 3-17.	0.6	32
2074	MicroRNAs and High-Density Lipoprotein Cholesterol Metabolism. International Heart Journal, 2015, 56, 365-371.	0.5	18
2075	Common polymorphisms of the microRNA genes (miR-146a and miR-196a-2) and gastric cancer risk: an updated meta-analysis. Genetics and Molecular Research, 2015, 14, 8589-8601.	0.3	7
2076	Triptolide Attenuates Podocyte Injury by Regulating Expression of miRNA-344b-3p and miRNA-30b-3p in Rats with Adriamycin-Induced Nephropathy. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-13.	0.5	19
2077	MicroRNAs as Potential Biomarkers in Cancer: Opportunities and Challenges. BioMed Research International, 2015, 2015, 1-17.	0.9	251
2078	MicroRNA-143/-145 in Cardiovascular Diseases. BioMed Research International, 2015, 2015, 1-9.	0.9	81
2079	Regulation of miRNAs Affects Radiobiological Response of Lung Cancer Stem Cells. BioMed Research International, 2015, 2015, 1-7.	0.9	7
2080	Serum/Plasma MicroRNAs as Biomarkers for HBV-Related Hepatocellular Carcinoma in China. BioMed Research International, 2015, 2015, 1-8.	0.9	27
2081	The Emerging Role of miR-223 in Platelet Reactivity: Implications in Antiplatelet Therapy. BioMed Research International, 2015, 2015, 1-8.	0.9	47
2082	Water-mediated recognition of t1-adenosine anchors Argonaute2 to microRNA targets. ELife, 2015, 4, .	2.8	78
2083	miRNA Profiles of Tubular Cells: Diagnosis of Kidney Injury. BioMed Research International, 2015, 2015, 1-9.	0.9	27

#	ARTICLE	IF	CITATIONS
2084	Dengue Virus-Induced Inflammation of the Endothelium and the Potential Roles of Sphingosine Kinase-1 and MicroRNAs. Mediators of Inflammation, 2015, 2015, 1-13.	1.4	16
2085	MicroRNA Clusters in the Adult Mouse Heart: Age-Associated Changes. BioMed Research International, 2015, 2015, 1-12.	0.9	15
2086	The Roles of miR-26, miR-29, and miR-203 in the Silencing of the Epigenetic Machinery during Melanocyte Transformation. BioMed Research International, 2015, 2015, 1-11.	0.9	20
2087	Utility of Circulating MicroRNAs as Clinical Biomarkers for Cardiovascular Diseases. BioMed Research International, 2015, 2015, 1-10.	0.9	72
2088	Predicting effective microRNA target sites in mammalian mRNAs. ELife, 2015, 4, .	2.8	5,779
2089	The Role of miR-378a in Metabolism, Angiogenesis, and Muscle Biology. International Journal of Endocrinology, 2015, 2015, 1-13.	0.6	120
2090	TLR4/NF-κB-Responsive MicroRNAs and Their Potential Target Genes: A Mouse Model of Skeletal Muscle Ischemia-Reperfusion Injury. BioMed Research International, 2015, 2015, 1-11.	0.9	23
2091	Trachoma and Ocular Chlamydial Infection in the Era of Genomics. Mediators of Inflammation, 2015, 2015, 1-22.	1.4	22
2092	MicroRNAs in Lymphoma: Regulatory Role and Biomarker Potential. Current Genomics, 2015, 16, 349-358.	0.7	24
2093	MicroRNA biomarker identification for pediatric acute myeloid leukemia based on a novel bioinformatics model. Oncotarget, 2015, 6, 26424-26436.	0.8	45
2094	MicroRNA in pancreatic adenocarcinoma: predictive/prognostic biomarkers or therapeutic targets?. Oncotarget, 2015, 6, 23323-23341.	0.8	65
2095	Hepatitis B virus and microRNAs: Complex interactions affecting hepatitis B virus replication and hepatitis B virus-associated diseases. World Journal of Gastroenterology, 2015, 21, 7375.	1.4	71
2096	Unmasking Upstream Gene Expression Regulators with miRNA-corrected mRNA Data. Bioinformatics and Biology Insights, 2015, 9S4, BBI.S29332.	1.0	0
2097	Competing endogenous RNA networks and gastric cancer. World Journal of Gastroenterology, 2015, 21, 11680.	1.4	161
2098	YM500v2: a small RNA sequencing (smRNA-seq) database for human cancer miRNome research. Nucleic Acids Research, 2015, 43, D862-D867.	6.5	50
2099	Role of microRNA-30c in lipid metabolism, adipogenesis, cardiac remodeling and cancer. Current Opinion in Lipidology, 2015, 26, 139-146.	1.2	41
2100	The High Expression of the microRNA 17–92 Cluster and its Paralogs, and the Downregulation of the Target Gene PTEN, Is Associated with Primary Cutaneous B-Cell Lymphoma Progression. Journal of Investigative Dermatology, 2015, 135, 1659-1667.	0.3	34
2101	Epigenetic Modulation of Gene Expression by Exercise. Healthy Ageing and Longevity, 2015, , 85-100.	0.2	4

#	Article	IF	Citations
2102	cMonkey ₂ : Automated, systematic, integrated detection of co-regulated gene modules for any organism. Nucleic Acids Research, 2015, 43, e87-e87.	6.5	45
2103	microRNAs with different functions and roles in disease development and as potential biomarkers of diabetes: progress and challenges. Molecular BioSystems, 2015, 11, 1217-1234.	2.9	33
2104	Genomic imprinting: A missing piece of the Multiple Sclerosis puzzle?. International Journal of Biochemistry and Cell Biology, 2015, 67, 49-57.	1.2	21
2105	CYP2A7 Pseudogene Transcript Affects CYP2A6 Expression in Human Liver by Acting as a Decoy for miR-126*. Drug Metabolism and Disposition, 2015, 43, 703-712.	1.7	39
2106	Chemokines and microRNAs in atherosclerosis. Cellular and Molecular Life Sciences, 2015, 72, 3253-3266.	2.4	71
2107	Suppression of epithelial–mesenchymal transition and apoptotic pathways by miR-294/302 family synergistically blocks let-7-induced silencing of self-renewal in embryonic stem cells. Cell Death and Differentiation, 2015, 22, 1158-1169.	5.0	34
2108	Proteotranscriptomic Profiling of 231-BR Breast Cancer Cells: Identification of Potential Biomarkers and Therapeutic Targets for Brain Metastasis. Molecular and Cellular Proteomics, 2015, 14, 2316-2330.	2.5	59
2109	The many faces of Dicer: the complexity of the mechanisms regulating Dicer gene expression and enzyme activities. Nucleic Acids Research, 2015, 43, 4365-4380.	6.5	91
2110	The implications on clinical diagnostics of using microRNA-based biomarkers in exercise. Expert Review of Molecular Diagnostics, 2015, 15, 761-772.	1.5	19
2111	Reducing In-Stent Restenosis. Journal of the American College of Cardiology, 2015, 65, 2314-2327.	1.2	95
2112	Principles of miRNA–mRNA interactions: beyond sequence complementarity. Cellular and Molecular Life Sciences, 2015, 72, 3127-3141.	2.4	144
2113	Genome-wide transcriptome analysis of mRNAs and microRNAs in Dorset and Small Tail Han sheep to explore the regulation of fecundity. Molecular and Cellular Endocrinology, 2015, 402, 32-42.	1.6	64
2114	MicroRNAâ€30câ€2â€3p negatively regulates NFâ€₽B signaling and cell cycle progression through downregulation of TRADD and CCNE1 in breast cancer. Molecular Oncology, 2015, 9, 1106-1119.	2.1	82
2115	Targeting caveolin-3 for the treatment of diabetic cardiomyopathy. , 2015, 151, 50-71.		19
2116	Non-coding RNAs: Epigenetic regulators of bone development and homeostasis. Bone, 2015, 81, 746-756.	1.4	93
2117	Chondrocyte miRNAs 221 and 483-5p respond to loss of matrix interaction by modulating proliferation and matrix synthesis. Connective Tissue Research, 2015, 56, 236-243.	1.1	23
2118	Site-specific programming of the host epithelial transcriptome by the gut microbiota. Genome Biology, 2015, 16, 62.	3.8	131
2119	Changes in cellular microRNA expression induced by porcine circovirus type 2-encoded proteins. Veterinary Research, 2015, 46, 39.	1.1	18

#	Article	IF	CITATIONS
2120	Pathway analysis from lists of microRNAs: common pitfalls and alternative strategy. Nucleic Acids Research, 2015, 43, 3490-3497.	6.5	70
2121	Microdissecting the role of microRNAs in the pathogenesis of prostate cancer. Cancer Genetics, 2015, 208, 289-302.	0.2	36
2122	Frontier impact of microRNAs in skeletal muscle research: a future perspective. Frontiers in Physiology, 2014, 5, 495.	1.3	19
2123	Non-coding RNAs in the pathogenesis of COPD. Thorax, 2015, 70, 782-791.	2.7	71
2124	MicroRNA delivery for regenerative medicine. Advanced Drug Delivery Reviews, 2015, 88, 108-122.	6.6	125
2126	Semi-supervised learning for potential human microRNA-disease associations inference. Scientific Reports, 2014, 4, 5501.	1.6	324
2127	A functional screen identifies miRNAs that inhibit DNA repair and sensitize prostate cancer cells to ionizing radiation. Nucleic Acids Research, 2015, 43, 4075-4086.	6.5	79
2128	Swiss army knives: non-canonical functions of nuclear Drosha and Dicer. Nature Reviews Molecular Cell Biology, 2015, 16, 417-430.	16.1	88
2129	The microRNA-200 family regulates pancreatic beta cell survival in type 2 diabetes. Nature Medicine, 2015, 21, 619-627.	15.2	236
2130	Oxidative Modification of miR-184 Enables It to Target Bcl-xL and Bcl-w. Molecular Cell, 2015, 59, 50-61.	4.5	141
2131	Mechanisms and therapeutic potential of microRNAs in hypertension. Drug Discovery Today, 2015, 20, 1188-1204.	3.2	49
2132	Accurate transcriptome-wide prediction of microRNA targets and small interfering RNA off-targets with MIRZA-G. Nucleic Acids Research, 2015, 43, 1380-1391.	6.5	62
2133	Harnessing RNAi to Silence Viral Gene Expression. , 2015, , 29-61.		1
2134	MicroRNA-Seq Data Analysis Pipeline to Identify Blood Biomarkers for Alzheimer's Disease from Public Data. Biomarker Insights, 2015, 10, BMI.S25132.	1.0	154
2135	Selective inhibition of miR-21 by phage display screened peptide. Nucleic Acids Research, 2015, 43, 4342-4352.	6.5	40
2136	Translating extracellular microRNA into clinical biomarkers for drug-induced toxicity: from high-throughput profiling to validation. Biomarkers in Medicine, 2015, 9, 1177-1188.	0.6	23
2137	MiRâ€940 inhibits hepatocellular carcinoma growth and correlates with prognosis of hepatocellular carcinoma patients. Cancer Science, 2015, 106, 819-824.	1.7	51
2138	Improving MiRNA prediction accuracy by deep learning strategies. , 2015, , .		O

#	Article	IF	CITATIONS
2139	Systematic analysis of the <i>Hmga2</i> 3′ UTR identifies many independent regulatory sequences and a novel interaction between distal sites. Rna, 2015, 21, 1346-1360.	1.6	36
2140	Shikonin inhibits adipogenic differentiation via regulation ofÂmir-34a-FKBP1B. Biochemical and Biophysical Research Communications, 2015, 467, 941-947.	1.0	13
2141	The microRNA Machinery. Advances in Experimental Medicine and Biology, 2015, 887, 15-30.	0.8	32
2142	microRNA and Epilepsy. Advances in Experimental Medicine and Biology, 2015, 888, 41-70.	0.8	52
2143	PACCMIT/PACCMIT-CDS: identifying microRNA targets in 3′ UTRs and coding sequences. Nucleic Acids Research, 2015, 43, W474-W479.	6.5	20
2144	On the availability of microRNA-induced silencing complexes, saturation of microRNA-binding sites and stoichiometry. Nucleic Acids Research, 2015, 43, 7556-7565.	6.5	32
2145	miR-58 family and TGF-β pathways regulate each other in <i>Caenorhabditis elegans</i> Research, 2015, 43, gkv923.	6.5	12
2146	microRNAs in Mitochondria: An Unexplored Niche. Advances in Experimental Medicine and Biology, 2015, 887, 31-51.	0.8	35
2147	Canonical MicroRNA Activity Facilitates but May Be Dispensable for Transcription Factor-Mediated Reprogramming. Stem Cell Reports, 2015, 5, 1119-1127.	2.3	16
2148	Analyzing differential regulatory networks modulated by continuous-state genomic features in glioblastoma multiforme. , 2015, , .		1
2149	MicroRNA-490-3p inhibits colorectal cancer metastasis by targeting TGFÎ ² R1. BMC Cancer, 2015, 15, 1023.	1.1	48
2150	A novel two-stage method for identifying microRNA-gene regulatory modules in breast cancer. , 2015, ,		1
2151	High-efficiency Generation of Multiple Short Noncoding RNA in B-cells and B-cell-derived Extracellular Vesicles. Molecular Therapy - Nucleic Acids, 2015, 4, e271.	2.3	2
2152	Casein kinase II promotes target silencing by miRISC through direct phosphorylation of the DEAD-box RNA helicase CGH-1. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E7213-22.	3.3	25
2153	Human absorbable microRNA prediction based on an ensemble manifold ranking model. , 2015, 2015, 295-300.		2
2154	MicroRNA-26a/b directly regulate La-related protein 1 and inhibit cancer cell invasion in prostate cancer. International Journal of Oncology, 2015, 47, 710-718.	1.4	62
2155	MicroRNA-146a inhibits epithelial mesenchymal transition in non-small cell lung cancer by targeting insulin receptor substrate 2. International Journal of Oncology, 2015, 47, 1545-1553.	1.4	36
2156	Computational Prediction of microRNA Targets. Advances in Experimental Medicine and Biology, 2015, 887, 231-252.	0.8	14

#	Article	IF	CITATIONS
2157	Duhuo Jisheng decoction inhibits endoplasmic reticulum stress in chondrocytes induced by tunicamycin through the downregulation of miR-34a. International Journal of Molecular Medicine, 2015, 36, 1311-1318.	1.8	14
2158	Cyclic Cationic Peptides Containing Sugar Amino Acids Selectively Distinguishes and Inhibits Maturation of Pre-miRNAs of the Same Family. Nucleic Acid Therapeutics, 2015, 25, 323-329.	2.0	3
2159	Function and clinical potential of microRNAs in hepatocellular carcinoma. Oncology Letters, 2015, 10, 3345-3353.	0.8	24
2160	MicroRNA-223 Regulates the Differentiation and Function of Intestinal Dendritic Cells and Macrophages by Targeting C/EBP \hat{l}^2 . Cell Reports, 2015, 13, 1149-1160.	2.9	83
2161	Valproic acid mediates miR-124 to down-regulate a novel protein target, GNAI1. Neurochemistry International, 2015, 91, 62-71.	1.9	7
2162	MicroRNA–mRNA interactions underlying colorectal cancer molecular subtypes. Nature Communications, 2015, 6, 8878.	5.8	65
2163	Go with the Flow: Fluid Roles for miRNAs in Vertebrate Osmoregulation., 2015,, 159-172.		0
2164	Functional Network Analysis Reveals Versatile MicroRNAs in Human Heart. Cellular Physiology and Biochemistry, 2015, 36, 1628-1643.	1.1	17
2165	Regulation of Fanconi anemia protein FANCD2 monoubiquitination by miR-302. Biochemical and Biophysical Research Communications, 2015, 466, 180-185.	1.0	8
2166	Micro <scp>RNA</scp> s affect dendritic cell function and phenotype. Immunology, 2015, 144, 197-205.	2.0	101
2167	A novel collagen-nanohydroxyapatite microRNA-activated scaffold for tissue engineering applications capable of efficient delivery of both miR-mimics and antagomiRs to human mesenchymal stem cells. Journal of Controlled Release, 2015, 200, 42-51.	4.8	85
2168	<i>In silico</i> analysis and experimental validation of active compounds from fructus Schisandrae chinensis in protection from hepatic injury. Cell Proliferation, 2015, 48, 86-94.	2.4	5
2169	Adipogenesis and Obesity., 2015,, 539-565.		2
2170	Electrochemical sensing of microRNAs: Avenues and paradigms. Biosensors and Bioelectronics, 2015, 68, 83-94.	5.3	64
2171	Infiltrating T cells promote prostate cancer metastasis via modulation of FGF11→miRNAâ€541→androgen receptor (AR)→MMP9 signaling. Molecular Oncology, 2015, 9, 44-57.	2.1	74
2172	The emerging role of miRNAs in inflammatory bowel disease: a review. Therapeutic Advances in Gastroenterology, 2015, 8, 4-22.	1.4	136
2173	In vivo, Argonaute-bound microRNAs exist predominantly in a reservoir of low molecular weight complexes not associated with mRNA. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 767-772.	3.3	108
2174	From guide to target: molecular insights into eukaryotic RNA-interference machinery. Nature Structural and Molecular Biology, 2015, 22, 20-28.	3.6	219

#	Article	IF	CITATIONS
2175	MicroRNAs in B-cell lymphomas: how a complex biology gets more complex. Leukemia, 2015, 29, 1004-1017.	3.3	198
2176	Integrating multiple omics to unravel mechanisms of Cyclosporin A induced hepatotoxicity in vitro. Toxicology in Vitro, 2015, 29, 489-501.	1.1	33
2177	MicroRNA-31 Promotes Skin Wound Healing by Enhancing Keratinocyte Proliferation and Migration. Journal of Investigative Dermatology, 2015, 135, 1676-1685.	0.3	127
2178	Increased expression of miR-93 is associated with poor prognosis in head and neck squamous cell carcinoma. Tumor Biology, 2015, 36, 3949-3956.	0.8	38
2179	DoRiNA 2.0â€"upgrading the doRiNA database of RNA interactions in post-transcriptional regulation. Nucleic Acids Research, 2015, 43, D160-D167.	6.5	136
2180	Dosage and Temporal Thresholds in microRNA Proteomics*. Molecular and Cellular Proteomics, 2015, 14, 289-302.	2.5	10
2181	miRNAs regulated by estrogens, tamoxifen, and endocrine disruptors and their downstream gene targets. Molecular and Cellular Endocrinology, 2015, 418, 273-297.	1.6	96
2182	Integrative analysis of differentially expressed microRNAs of pulmonary alveolar macrophages from piglets during H1N1 swine influenza A virus infection. Scientific Reports, 2015, 5, 8167.	1.6	14
2183	Breast- and Salivary Gland-Derived Adenoid Cystic Carcinomas: Potential Post-Transcriptional Divergencies. A Pilot Study Based on miRNA Expression Profiling of Four Cases and Review of the Potential Relevance of the Findings. Pathology and Oncology Research, 2015, 21, 29-44.	0.9	12
2184	Functional significance of aberrantly expressed microRNAs in prostate cancer. International Journal of Urology, 2015, 22, 242-252.	0.5	89
2185	Mechanistic Role of MicroRNA in Cancer Chemoprevention by Nonsteroidal Anti-inflammatory Drugs. Current Pharmacology Reports, 2015, 1, 154-160.	1.5	4
2186	Direct Identification of Human Cellular MicroRNAs by Nanoflow Liquid Chromatography–High-Resolution Tandem Mass Spectrometry and Database Searching. Analytical Chemistry, 2015, 87, 2884-2891.	3.2	43
2187	Changes in <scp>mRNA</scp> expression precede changes in micro <scp>RNA</scp> expression in lesional psoriatic skin during treatment with adalimumab. British Journal of Dermatology, 2015, 173, 436-447.	1.4	34
2188	Micro <scp>RNA</scp> â€mediated nonâ€cellâ€autonomous regulation of cortical radial glial transformation revealed by a <scp><i>Dicer1</i></scp> knockout mouse model. Glia, 2015, 63, 860-876.	2.5	20
2189	MicroRNA expression signature of oral squamous cell carcinoma: functional role of microRNA-26a/b in the modulation of novel cancer pathways. British Journal of Cancer, 2015, 112, 891-900.	2.9	102
2190	Identification of differentially expressed miRNAs in mouse spinal cord development. Acta Biochimica Et Biophysica Sinica, 2015, 47, 224-229.	0.9	3
2191	Epigenetic alterations in cancer and personalized cancer treatment. Future Oncology, 2015, 11, 333-348.	1.1	33
2192	The Genome in Development. , 2015, , 1-40.		4

#	Article	IF	CITATIONS
2193	High-Throughput Platform Assay Technology for the Discovery of pre-microRNA-Selective Small Molecule Probes. Bioconjugate Chemistry, 2015, 26, 19-23.	1.8	32
2194	MicroRNA-215 Regulates Fibroblast Function: Insights from a Human Fibrotic Disease. Cell Cycle, 2015, 14, 1973-1984.	1.3	33
2195	Reâ€thinking miRNAâ€mRNA interactions: Intertwining issues confound target discovery. BioEssays, 2015, 37, 379-388.	1.2	111
2197	Distinct microRNA expression in endometrial lymphocytes, endometrium, and trophoblast during spontaneous porcine fetal loss. Journal of Reproductive Immunology, 2015, 107, 64-79.	0.8	22
2198	Bias in microRNA functional enrichment analysis. Bioinformatics, 2015, 31, 1592-1598.	1.8	100
2199	Computational prediction of microRNA networks incorporating environmental toxicity and disease etiology. Scientific Reports, 2014, 4, 5576.	1.6	51
2200	The MicroRNA-130/301 Family Controls Vasoconstriction in Pulmonary Hypertension. Journal of Biological Chemistry, 2015, 290, 2069-2085.	1.6	80
2201	MicroRNAs: Role in hepatitis C virus pathogenesis. Genes and Diseases, 2015, 2, 35-45.	1.5	68
2202	MicroRNA In Vitro Diagnostics Using Immunoassay Analyzers. Clinical Chemistry, 2015, 61, 600-607.	1.5	29
2203	MBSTAR: multiple instance learning for predicting specific functional binding sites in microRNA targets. Scientific Reports, 2015, 5, 8004.	1.6	62
2204	Methylation of microRNA genes regulates gene expression in bisexual flower development in andromonoecious poplar. Journal of Experimental Botany, 2015, 66, 1891-1905.	2.4	55
2205	Genome-wide discovery of novel and conserved microRNAs in white shrimp (Litopenaeus vannamei). Molecular Biology Reports, 2015, 42, 61-69.	1.0	18
2206	miR-494 represses HOXA10 expression and inhibits cell proliferation in oral cancer. Oral Oncology, 2015, 51, 151-157.	0.8	61
2207	MicroRNA regulatory networks in idiopathic pulmonary fibrosis. Biochemistry and Cell Biology, 2015, 93, 129-137.	0.9	66
2208	CLIP: viewing the RNA world from an RNA-protein interactome perspective. Science China Life Sciences, 2015, 58, 75-88.	2.3	12
2209	MicroRNA-29b regulates migration in oral squamous cell carcinoma and its clinical significance. Oral Oncology, 2015, 51, 170-177.	0.8	39
2210	MicroRNA-143 Regulates Adipogenesis by Modulating the MAP2K5–ERK5 Signaling. Scientific Reports, 2014, 4, 3819.	1.6	79
2211	Linking microRNAs to their targets. Nature Chemical Biology, 2015, 11, 100-101.	3.9	8

#	Article	IF	CITATIONS
2212	Advances, Nuances, and Potential Pitfalls When Exploiting the Therapeutic Potential of RNA Interference. Clinical Pharmacology and Therapeutics, 2015, 97, 79-87.	2.3	13
2213	Potential microRNA-mediated oncogenic intercellular communication revealed by pan-cancer analysis. Scientific Reports, 2015, 4, 7097.	1.6	26
2214	Methylation of miRNA genes and oncogenesis. Biochemistry (Moscow), 2015, 80, 145-162.	0.7	61
2215	MicroRNAs in Skin Diseases. , 2015, , 177-205.		2
2216	Laboratory Methods in Epigenetics. , 2015, , 7-35.		0
2217	MicroRNAs in Neural Stem Cells. , 2015, , 163-182.		O
2218	MiR-221/222 promote human glioma cell invasion and angiogenesis by targeting TIMP2. Tumor Biology, 2015, 36, 3763-3773.	0.8	73
2219	Microprocessor mediates transcriptional termination of long noncoding RNA transcripts hosting microRNAs. Nature Structural and Molecular Biology, 2015, 22, 319-327.	3.6	120
2220	A genome analysis based on repeat sharing gene networks. Natural Computing, 2015, 14, 403-420.	1.8	6
2221	New Insights about miRNAs in Cystic Fibrosis. American Journal of Pathology, 2015, 185, 897-908.	1.9	37
2222	The hypoxia-induced microRNA-130a controls pulmonary smooth muscle cell proliferation by directly targeting CDKN1A. International Journal of Biochemistry and Cell Biology, 2015, 61, 129-137.	1.2	52
2223	A Potassium Ion-Dependent RNA Structural Switch Regulates Human Pre-miRNA 92b Maturation. Chemistry and Biology, 2015, 22, 262-272.	6.2	107
2224	Growth differentiation factor-15 encodes a novel microRNA 3189 that functions as a potent regulator of cell death. Cell Death and Differentiation, 2015, 22, 1641-1653.	5.0	30
2225	miR Profiling Identifies Cyclin-Dependent Kinase 6 Downregulation as a Potential Mechanism of Acquired Cisplatin Resistance in Non–Small-Cell Lung Carcinoma. Clinical Lung Cancer, 2015, 16, e121-e129.	1.1	25
2226	MicroRNA-Mediated Regulation of Cardiovascular Differentiation and Therapeutic Implications. , 2015, , 1075-1091.		0
2227	Involvement of miRNAs and Cell-Secreted Vesicles in Mammalian Ovarian Antral Follicle Development. Reproductive Sciences, 2015, 22, 1474-1483.	1.1	36
2228	Identification and bioinformatics analysis of miRNAs involved in bovine skeletal muscle satellite cell myogenic differentiation. Molecular and Cellular Biochemistry, 2015, 404, 113-122.	1.4	18
2229	Pumilio1 Haploinsufficiency Leads to SCA1-like Neurodegeneration by Increasing Wild-Type Ataxin1 Levels. Cell, 2015, 160, 1087-1098.	13.5	139

#	Article	IF	CITATIONS
2230	miR-503 represses human cell proliferation and directly targets the oncogene DDHD2 by non-canonical target pairing. BMC Genomics, 2015, 16, 40.	1.2	21
2231	Roles of MicroRNAs in B Lymphocyte Physiology and Oncogenesis. , 2015, , 65-73.		0
2232	Transcription factor and microRNA interactions in lung cells: an inhibitory link between NK2 homeobox 1, miR-200c and the developmental and oncogenic factors Nfib and Myb. Respiratory Research, 2015, 16, 22.	1.4	15
2233	miR2GO: comparative functional analysis for microRNAs. Bioinformatics, 2015, 31, 2403-2405.	1.8	32
2234	MicroRNA-576-3p Inhibits Proliferation in Bladder Cancer Cells by Targeting Cyclin D1. Molecules and Cells, 2015, 38, 130-137.	1.0	35
2235	MiR-30a upregulates BCL2A1, IER3 and cyclin D2 expression by targeting FOXL2. Oncology Letters, 2015, 9, 967-971.	0.8	35
2236	MicroRNA-34a Plays a Key Role in Cardiac Repair and Regeneration Following Myocardial Infarction. Circulation Research, 2015, 117, 450-459.	2.0	195
2237	Alteration of mRNA and microRNA expression profiles in rat muscular type vasculature in early postnatal development. Scientific Reports, 2015, 5, 11106.	1.6	9
2238	Towards a molecular understanding of microRNA-mediated gene silencing. Nature Reviews Genetics, 2015, 16, 421-433.	7.7	1,508
2239	Down-regulation of hsa-miR-1264 contributes to DNMT1-mediated silencing of SOCS3. Molecular Biology Reports, 2015, 42, 1365-1376.	1.0	20
2240	The MicroRNA-132 and MicroRNA-212 Cluster Regulates Hematopoietic Stem Cell Maintenance and Survival with Age by Buffering FOXO3 Expression. Immunity, 2015, 42, 1021-1032.	6.6	84
2241	Detection and Assessment of MicroRNA Expression in Human Disease. RNA Technologies, 2015, , 333-349.	0.2	0
2242	An update on the role of miRNA-155 in pathogenic microbial infections. Microbes and Infection, 2015, 17, 613-621.	1.0	36
2243	MicroRNA-15b Modulates Japanese Encephalitis Virus–Mediated Inflammation via Targeting RNF125. Journal of Immunology, 2015, 195, 2251-2262.	0.4	105
2244	Update on biomarkers in systemic sclerosis: tools for diagnosis and treatment. Seminars in Immunopathology, 2015, 37, 475-487.	2.8	53
2245	RNA expression signatures and posttranscriptional regulation in diabetic nephropathy. Nephrology Dialysis Transplantation, 2015, 30, iv35-iv42.	0.4	32
2246	Construction of therapeutically relevant human prostate epithelial fate map by utilising miRNA and mRNA microarray expression data. British Journal of Cancer, 2015, 113, 611-615.	2.9	8
2247	Cooperative target mRNA destabilization and translation inhibition by miR-58 microRNA family in <i>C. elegans</i> . Genome Research, 2015, 25, 1680-1691.	2.4	17

#	Article	IF	Citations
2248	Regulation of Human UGT2B15 and UGT2B17 by miR-376c in Prostate Cancer Cell Lines. Journal of Pharmacology and Experimental Therapeutics, 2015, 354, 417-425.	1.3	39
2249	Expression of the microRNA regulators Drosha, Dicer and Ago2 in non-small cell lung carcinomas. Cellular Oncology (Dordrecht), 2015, 38, 307-317.	2.1	29
2250	Expression of miRNAs in response to freezing and anoxia stresses in the freeze tolerant fly Eurosta solidaginis. Cryobiology, 2015, 71, 97-102.	0.3	18
2251	Folate status, folate-related genes and serum miR-21 expression: Implications for miR-21 as a biomarker. BBA Clinical, 2015, 4, 45-51.	4.1	26
2252	Coordinated action of histone modification and microRNA regulations in human genome. Gene, 2015, 570, 277-281.	1.0	15
2253	Exercise and the Regulation of Adipose Tissue Metabolism. Progress in Molecular Biology and Translational Science, 2015, 135, 175-201.	0.9	62
2254	Identification of a novel <i>FGFRL1</i> MicroRNA target site polymorphism for bone mineral density in meta-analyses of genome-wide association studies. Human Molecular Genetics, 2015, 24, 4710-4727.	1.4	22
2255	The role of Alu elements in the cis-regulation of RNA processing. Cellular and Molecular Life Sciences, 2015, 72, 4063-4076.	2.4	36
2256	Quantitative assessment of miR34a as an independent prognostic marker in breast cancer. British Journal of Cancer, 2015, 112, 61-68.	2.9	27
2257	MicroRNAs and Cancer., 2015,, 67-90.		O
2258	Tissue Expression Pattern of PMK-2 p38 MAPK Is Established by the miR-58 Family in C. elegans. PLoS Genetics, 2015, 11, e1004997.	1.5	36
2259	Analgesic Response to Intravenous Ketamine Is Linked toÂaÂCirculating microRNA Signature in Female Patients WithÂComplex Regional Pain Syndrome. Journal of Pain, 2015, 16, 814-824.	0.7	37
2260	Spermatozoa from patients with seminal alterations exhibit a differential micro-ribonucleic acid profile. Fertility and Sterility, 2015, 104, 591-601.	0.5	106
2261	Upregulation of the microRNA cluster at the Dlk1-Dio3 locus in lung adenocarcinoma. Oncogene, 2015, 34, 94-103.	2.6	46
2262	Integrating full spectrum of sequence features into predicting functional microRNA–mRNA interactions. Bioinformatics, 2015, 31, 3529-3536.	1.8	20
2263	Regulatory MicroRNA Networks: Complex Patterns of Target Pathways for Disease-related and Housekeeping MicroRNAs. Genomics, Proteomics and Bioinformatics, 2015, 13, 159-168.	3.0	10
2264	Network-based ranking methods for prediction of novel disease associated microRNAs. Computational Biology and Chemistry, 2015, 58, 139-148.	1.1	40
2265	ARMADA: Using motif activity dynamics to infer gene regulatory networks from gene expression data. Methods, 2015, 85, 62-74.	1.9	5

#	Article	IF	CITATIONS
2266	p53-Regulated Networks of Protein, mRNA, miRNA, and lncRNA Expression Revealed by Integrated Pulsed Stable Isotope Labeling With Amino Acids in Cell Culture (pSILAC) and Next Generation Sequencing (NGS) Analyses. Molecular and Cellular Proteomics, 2015, 14, 2609-2629.	2.5	59
2267	Emerging Roles of Herpesvirus microRNAs During In Vivo Infection and Pathogenesis. Current Pathobiology Reports, 2015, 3, 209-217.	1.6	12
2268	miR-17 overexpression in cystic fibrosis airway epithelial cells decreases interleukin-8 production. European Respiratory Journal, 2015, 46, 1350-1360.	3.1	64
2269	miR-137 Targets p160 Steroid Receptor Coactivators SRC1, SRC2, and SRC3 and Inhibits Cell Proliferation. Molecular Endocrinology, 2015, 29, 1170-1183.	3.7	32
2270	mir-34b/c and mir-449a/b/c are required for spermatogenesis, but not for the first cleavage division in mice. Biology Open, 2015, 4, 212-223.	0.6	157
2271	Integrated miRNA and mRNA expression profiling of tension force-induced bone formation in periodontal ligament cells. In Vitro Cellular and Developmental Biology - Animal, 2015, 51, 797-807.	0.7	46
2272	Acute Targeting of General Transcription Factor IIB Restricts Cardiac Hypertrophy via Selective Inhibition of Gene Transcription. Circulation: Heart Failure, 2015, 8, 138-148.	1.6	22
2273	A novel semi-automated in situ hybridisation protocol for microRNA detection in paraffin embedded tissue sections. Journal of Clinical Pathology, 2015, 68, 661-664.	1.0	14
2274	Bacterial Infection Drives the Expression Dynamics of microRNAs and Their isomiRs. PLoS Genetics, 2015, 11, e1005064.	1.5	60
2275	Inhibition of micro-ribonucleic acid-320 attenuates neurologic injuries after spinal cord ischemia. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 398-406.	0.4	56
2276	The kinase ABL phosphorylates the microprocessor subunit DGCR8 to stimulate primary microRNA processing in response to DNA damage. Science Signaling, 2015, 8, ra64.	1.6	18
2277	The Effect of microRNAs in the Regulation of Human CYP3A4: a Systematic Study using a Mathematical Model. Scientific Reports, 2014, 4, 4283.	1.6	48
2278	Passenger strand loading in overexpression experiments using microRNA mimics. RNA Biology, 2015, 12, 787-791.	1.5	39
2279	Up-Regulation of miR-34a Expression in Response to the Luteolin-Induced Neurite Outgrowth of PC12 Cells. Journal of Agricultural and Food Chemistry, 2015, 63, 4148-4159.	2.4	15
2280	MicroRNAs Promote Granule Cell Expansion in the Cerebellum Through Gli2. Cerebellum, 2015, 14, 688-698.	1.4	15
2281	Mouse Endometrium Temporal and Spatial Expression mRNA and MicroRNA Associated With Embryo Implantation. Reproductive Sciences, 2015, 22, 1399-1408.	1.1	19
2282	Common and rare variants of microRNA genes in autism spectrum disorders. World Journal of Biological Psychiatry, 2015, 16, 376-386.	1.3	27
2283	MicroRNAs as biomarkers for graft-versus-host disease following allogeneic stem cell transplantation. Annals of Hematology, 2015, 94, 1081-1092.	0.8	22

#	Article	IF	CITATIONS
2284	MicroRNAs and the functional \hat{l}^2 cell mass: For better or worse. Diabetes and Metabolism, 2015, 41, 369-377.	1.4	27
2285	miRNAs in inflammatory skin diseases and their clinical implications. Expert Review of Clinical Immunology, 2015, 11, 467-477.	1.3	23
2286	Annotation of the goat genome using next generation sequencing of microRNA expressed by the lactating mammary gland: comparison of three approaches. BMC Genomics, 2015, 16, 285.	1.2	39
2287	Limited miR-17-92 overexpression drives hematologic malignancies. Leukemia Research, 2015, 39, 335-341.	0.4	19
2288	A functional variant in miR-605 modifies the age of onset in Li-Fraumeni syndrome. Cancer Genetics, 2015, 208, 47-51.	0.2	36
2289	Identification and characterization of novel serum microRNAs in unstable angina pectoris and subclinical atherosclerotic patients. Experimental Cell Research, 2015, 333, 220-227.	1.2	4
2290	MicroRNA-126 inhibits cell proliferation in gastric cancer by targeting LAT-1. Biomedicine and Pharmacotherapy, 2015, 72, 66-73.	2.5	15
2291	Gene regulation by dietary microRNAs. Canadian Journal of Physiology and Pharmacology, 2015, 93, 1097-1102.	0.7	54
2292	MicroRNA-29a induces apoptosis via increasing the Bax:Bcl-2 ratio in dermal fibroblasts of patients with systemic sclerosis. Autoimmunity, 2015, 48, 369-378.	1.2	63
2293	Overexpression of blood microRNAs 103a, 30b, and 29a in <scp>l</scp> -dopa–treated patients with PD. Neurology, 2015, 84, 645-653.	1.5	102
2294	Molecular signature of erythroblast enucleation in human embryonic stem cells. Stem Cells, 2015, 33, 2431-2441.	1.4	24
2295	miR-200 modulates coelomocytes antibacterial activities and LPS priming via targeting Tollip in Apostichopus japonicus. Fish and Shellfish Immunology, 2015, 45, 431-436.	1.6	26
2296	Determining differentially expressed miRNAs and validating miRNA—target relationships using the SPRET/Ei mouse strain. Mammalian Genome, 2015, 26, 94-107.	1.0	6
2297	Computational Identification and Experimental Validation of MicroRNAs Binding to the Fragile X Syndrome Gene Fmr1. Neurochemical Research, 2015, 40, 109-117.	1.6	9
2298	Effect of culture conditions on microRNA expression in primary adult control and COPD lung fibroblasts in vitro. In Vitro Cellular and Developmental Biology - Animal, 2015, 51, 390-399.	0.7	16
2299	Deep sequencing identifies conserved and novel microRNAs from antlers cartilage of Chinese red deer (Cervus elaphus). Genes and Genomics, 2015, 37, 419-427.	0.5	5
2300	The biomarker and therapeutic potential of miRNA in Alzheimer's disease. Neurodegenerative Disease Management, 2015, 5, 61-74.	1.2	49
2301	MiR-130b plays an oncogenic role by repressing PTEN expression in esophageal squamous cell carcinoma cells. BMC Cancer, 2015, 15, 29.	1.1	85

#	Article	IF	CITATIONS
2302	Effects of statin on circulating microRNAome and predicted function regulatory network in patients with unstable angina. BMC Medical Genomics, 2015, 8, 12.	0.7	19
2303	Ribonucleic acid (RNA) biosynthesis in human cancer. Cancer Cell International, 2015, 15, 22.	1.8	4
2304	Competing endogenous RNA networks: tying the essential knots for cancer biology and therapeutics. Journal of Hematology and Oncology, 2015, 8, 30.	6.9	190
2305	Integrated analysis reveals microRNA networks coordinately expressed with key proteins in breast cancer. Genome Medicine, 2015, 7, 21.	3.6	34
2306	The role of microRNA-1246 in the regulation of B cell activation and the pathogenesis of systemic lupus erythematosus. Clinical Epigenetics, 2015, 7, 24.	1.8	81
2307	MicroRNA-128 targets myostatin at coding domain sequence to regulate myoblasts in skeletal muscle development. Cellular Signalling, 2015, 27, 1895-1904.	1.7	44
2308	An overview of microRNAs. Advanced Drug Delivery Reviews, 2015, 87, 3-14.	6.6	1,124
2309	Sequencing and expression analysis of salt-responsive miRNAs and target genes in the halophyte smooth cordgrass (Spartina alternifolia Loisel). Molecular Biology Reports, 2015, 42, 1341-1350.	1.0	19
2310	Dicer1 imparts essential survival cues in Notch-driven T-ALL via miR-21–mediated tumor suppressor Pdcd4 repression. Blood, 2015, 126, 993-1004.	0.6	28
2311	p53-dependent non-coding RNA networks in chronic lymphocytic leukemia. Leukemia, 2015, 29, 2015-2023.	3.3	149
2312	Enzyme-free amplified detection of microRNA using target-catalyzed hairpin assembly and magnesium ion-dependent deoxyribozyme. Science China Chemistry, 2015, 58, 1906-1911.	4.2	11
2313	IncRNASNP: a database of SNPs in IncRNAs and their potential functions in human and mouse. Nucleic Acids Research, 2015, 43, D181-D186.	6.5	204
2314	MicroRNA Biology and Pain. Progress in Molecular Biology and Translational Science, 2015, 131, 215-249.	0.9	20
2315	Ultrasensitive label-free detection of miRNA with asymmetric hairpin probe, exonuclease I and SYBR Green I. Chemical Research in Chinese Universities, 2015, 31, 244-248.	1.3	0
2316	Long-term supplementation with a low dose of proanthocyanidins normalized liver miR-33a and miR-122 levels in high-fat diet–induced obese rats. Nutrition Research, 2015, 35, 337-345.	1.3	66
2317	Sensory hair cell death and regeneration in fishes. Frontiers in Cellular Neuroscience, 2015, 9, 131.	1.8	67
2318	A toolbox for miRNA analysis. FEBS Letters, 2015, 589, 1694-1701.	1.3	29
2319	Epigenetic therapy for solid tumors: from bench science to clinical trials. Epigenomics, 2015, 7, 215-235.	1.0	59

#	Article	IF	CITATIONS
2320	MicroRNAs and Cardiac Regeneration. Circulation Research, 2015, 116, 1700-1711.	2.0	79
2321	Dumbbell-PCR: a method to quantify specific small RNA variants with a single nucleotide resolution at terminal sequences. Nucleic Acids Research, 2015, 43, e77-e77.	6.5	53
2322	Insight into post-transcriptional gene regulation: stress-responsive microRNAs and their role in the environmental stress survival of tolerant animals. Journal of Experimental Biology, 2015, 218, 1281-1289.	0.8	63
2323	First description of small proteins encoded by spRNAs in Methanosarcina mazei strain Gö1. Biochimie, 2015, 117, 138-148.	1.3	30
2324	Non-coding RNAs and HIV: viral manipulation of host dark matter to shape the cellular environment. Frontiers in Genetics, 2015, 6, 108.	1.1	23
2325	Considering Maternal Dietary Modulators for Epigenetic Regulation and Programming of the Fetal Epigenome. Nutrients, 2015, 7, 2748-2770.	1.7	106
2326	5-Aminolevulinic acid-mediated sonodynamic therapy induces anti-tumor effects in malignant melanoma via p53-miR-34a-Sirt1 axis. Journal of Dermatological Science, 2015, 79, 155-162.	1.0	46
2327	Computational Biology in <scp>microRNA</scp> . Wiley Interdisciplinary Reviews RNA, 2015, 6, 435-452.	3.2	39
2328	Regulation of HDL Genes: Transcriptional, Posttranscriptional, and Posttranslational. Handbook of Experimental Pharmacology, 2015, 224, 113-179.	0.9	22
2329	Kinetics of microRNA Expression in Bronchoalveolar Lavage Fluid Samples. Lung, 2015, 193, 381-385.	1.4	5
2330	Role of microRNAs in allergic asthma. Current Opinion in Allergy and Clinical Immunology, 2015, 15, 156-162.	1.1	46
2331	Comprehensive analysis of microRNA expression profile in malignant glioma tissues. Molecular Oncology, 2015, 9, 1324-1340.	2.1	81
2332	Increased Expression of X-Linked Genes in Mammals Is Associated with a Higher Stability of Transcripts and an Increased Ribosome Density. Genome Biology and Evolution, 2015, 7, 1039-1052.	1.1	28
2333	MicroRNA targets. Pharmacogenetics and Genomics, 2015, 25, 107-125.	0.7	5
2334	MicroRNA Screening and the Quest for Biologically Relevant Targets. Journal of Biomolecular Screening, 2015, 20, 1003-1017.	2.6	38
2335	microRNA regulation of Wnt signaling pathways in development and disease. Cellular Signalling, 2015, 27, 1380-1391.	1.7	115
2336	Determining the role of microRNAs in psychiatric disorders. Nature Reviews Neuroscience, 2015, 16, 201-212.	4.9	296
2337	Genetic Variations in MicroRNA-Binding Sites Affect MicroRNA-Mediated Regulation of Several Genes Associated With Cardio-metabolic Phenotypes. Circulation: Cardiovascular Genetics, 2015, 8, 473-486.	5.1	57

#	ARTICLE	IF	CITATIONS
2338	Discordant Regulation of microRNA Between Multiple Experimental Models and Human Pulmonary Hypertension. Chest, 2015, 148, 481-490.	0.4	31
2339	RNA-mediated degradation of microRNAs: A widespread viral strategy?. RNA Biology, 2015, 12, 579-585.	1.5	30
2340	Respiratory syncytial virus infection of airway cells: Role of microRNAs. Pediatric Pulmonology, 2015, 50, 727-732.	1.0	21
2341	Role of let-7b in the regulation of $\langle i \rangle N \langle i \rangle$ -acetylgalactosaminyltransferase 2 in IgA nephropathy. Nephrology Dialysis Transplantation, 2015, 30, 1132-1139.	0.4	60
2342	Biomolecular bases of the senescence process and cancer. A new approach to oncological treatment linked to ageing. Ageing Research Reviews, 2015, 23, 125-138.	5.0	20
2343	Identification of IncRNA-associated competing triplets reveals global patterns and prognostic markers for cancer. Nucleic Acids Research, 2015, 43, 3478-3489.	6.5	219
2344	MicroRNA-155 Exerts Cell-Specific Antiangiogenic but Proarteriogenic Effects During Adaptive Neovascularization. Circulation, 2015, 131, 1575-1589.	1.6	85
2345	PlantMirnaT: miRNA and mRNA integrated analysis fully utilizing characteristics of plant sequencing data. Methods, 2015, 83, 80-87.	1.9	13
2346	MicroRNAs and oncolytic viruses. Current Opinion in Virology, 2015, 13, 40-48.	2.6	57
2347	Plasma microRNA-586 is a new biomarker for acute graft-versus-host disease. Annals of Hematology, 2015, 94, 1505-1514.	0.8	21
2348	Catalog of genetic variants within mature microRNA seed regions in chicken. Poultry Science, 2015, 94, 2037-2040.	1.5	6
2349	MicroRNA-153 Regulates the Acquisition of Gliogenic Competence by Neural Stem Cells. Stem Cell Reports, 2015, 5, 365-377.	2.3	45
2350	Circulating microRNAs. Biochemistry (Moscow), 2015, 80, 1117-1126.	0.7	32
2351	Roles for miRNAs in endocrine resistance in breast cancer. Endocrine-Related Cancer, 2015, 22, R279-R300.	1.6	63
2352	Evolutionary impact of transposable elements on genomic diversity and lineage-specific innovation in vertebrates. Chromosome Research, 2015, 23, 505-531.	1.0	92
2353	Variability in microRNA recovery from plasma: Comparison of five commercial kits. Analytical Biochemistry, 2015, 488, 28-35.	1.1	60
2354	Identification of miR-10b, miR-26a, miR-146a and miR-153 as potential triple-negative breast cancer biomarkers. Cellular Oncology (Dordrecht), 2015, 38, 433-442.	2.1	59
2355	Functional relevance of "seed―and "non-seed―sequences in microRNA-mediated promotion of <i>C. elegans</i> developmental progression. Rna, 2015, 21, 1980-1992.	1.6	25

#	ARTICLE	IF	CITATIONS
2356	A circulating miRNA signature as a diagnostic biomarker for non-invasive early detection of breast cancer. Breast Cancer Research and Treatment, 2015, 154, 423-434.	1.1	93
2357	MicroRNAs enrichment in GWAS of complex human phenotypes. BMC Genomics, 2015, 16, 304.	1.2	24
2358	The art of CHO cell engineering: A comprehensive retrospect and future perspectives. Biotechnology Advances, 2015, 33, 1878-1896.	6.0	240
2359	Development and regulatory application of microRNA biomarkers. Biomarkers in Medicine, 2015, 9, 1137-1151.	0.6	24
2360	microRNAs as pharmacogenomic biomarkers for drug efficacy and drug safety assessment. Biomarkers in Medicine, 2015, 9, 1153-1176.	0.6	64
2361	Draft genome assemblies and predicted microRNA complements of the intertidal lophotrochozoans Patella vulgata (Mollusca, Patellogastropoda) and Spirobranchus (Pomatoceros) lamarcki (Annelida,) Tj ETQq1 1	007.84314	l r gB T /Over
2362	MicroRNA-26b Modulates the NF-ÎB Pathway in Alveolar Macrophages by Regulating PTEN. Journal of Immunology, 2015, 195, 5404-5414.	0.4	51
2363	Non Coding RNA Molecules as Potential Biomarkers in Breast Cancer. Advances in Experimental Medicine and Biology, 2015, 867, 263-275.	0.8	32
2364	miR-124 regulates fetal pulmonary epithelial cell maturation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L400-L413.	1.3	27
2365	MicroRNA Biomarkers for Coronary Artery Disease?. Current Atherosclerosis Reports, 2015, 17, 70.	2.0	39
2366	The Roles of Two miRNAs in Regulating the Immune Response of Sea Cucumber. Genetics, 2015, 201, 1397-1410.	1.2	44
2367	SimiRa: A tool to identify coregulation between microRNAs and RNA-binding proteins. RNA Biology, 2015, 12, 998-1009.	1.5	14
2368	MiR-940 Inhibited Pancreatic Ductal Adenocarcinoma Growth by Targeting MyD88. Cellular Physiology and Biochemistry, 2015, 35, 1167-1177.	1.1	60
2369	MiR-429 Determines Poor Outcome and Inhibits Pancreatic Ductal Adenocarcinoma Growth by Targeting TBK1. Cellular Physiology and Biochemistry, 2015, 35, 1846-1856.	1.1	46
2370	The TATA-box motif and its impact on transcriptional gene regulation by miRNAs. Biomolecular Concepts, 2015, 6, 157-161.	1.0	1
2371	MicroRNAâ€125b modulates inflammatory chemokine CCL4 expression in immune cells and its reduction causes CCL4 increase with age. Aging Cell, 2015, 14, 200-208.	3.0	45
2372	The miRNA Interactome in Metabolic Homeostasis. Trends in Endocrinology and Metabolism, 2015, 26, 733-745.	3.1	66
2373	MicroRNAs regulate the immunometabolic response to viral infection in the liver. Nature Chemical Biology, 2015, 11, 988-993.	3.9	76

#	Article	IF	CITATIONS
2374	The ribonuclease DIS3 promotes let-7 miRNA maturation by degrading the pluripotency factor LIN28B mRNA. Nucleic Acids Research, 2015, 43, 5182-5193.	6.5	31
2375	Inhibition of microRNA-29c protects the brain in a rat model of prolonged hypothermic circulatory arrest. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 675-684.e1.	0.4	17
2376	Lineal DNA logic gate for microRNA diagnostics with strand displacement and fluorescence resonance energy transfer. Chinese Chemical Letters, 2015, 26, 1179-1182.	4.8	9
2377	EBV Noncoding RNAs. Current Topics in Microbiology and Immunology, 2015, 391, 181-217.	0.7	71
2378	MicroRNA-130a and -130b enhance activation of hepatic stellate cells by suppressing PPARγ expression: A rat fibrosis model study. Biochemical and Biophysical Research Communications, 2015, 465, 387-393.	1.0	37
2379	A cross-cancer differential co-expression network reveals microRNA-regulated oncogenic functional modules. Molecular BioSystems, 2015, 11, 3244-3252.	2.9	9
2380	Analysis for the mechanism between the small cell lung cancer and nonâ€small cell lung cancer combing the <scp>miRNA</scp> and <scp>mRNA</scp> expression profiles. Thoracic Cancer, 2015, 6, 70-79.	0.8	10
2381	miRNAs: early prognostic biomarkers for Type 2 diabetes mellitus?. Biomarkers in Medicine, 2015, 9, 1025-1040.	0.6	40
2382	MicroRNAs in Disease., 2015, , 17-46.		0
2383	Functional analyses of phosphorylation events in human Argonaute 2. Rna, 2015, 21, 2030-2038.	1.6	22
2384	Independent regulation of vertebral number and vertebral identity by microRNA-196 paralogs. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4884-93.	3.3	60
2385	Pretreatment microRNA Expression Impacting on Epithelial-to-Mesenchymal Transition Predicts Intrinsic Radiosensitivity in Head and Neck Cancer Cell Lines and Patients. Clinical Cancer Research, 2015, 21, 5630-5638.	3.2	77
2386	Molecular Biology Basics in the "Omics―Era: Genes to Proteins. , 2015, , 3-65.		1
2387	Genome-wide analysis of microRNA and mRNA expression signatures in cancer. Acta Pharmacologica Sinica, 2015, 36, 1200-1211.	2.8	63
2388	Small RNAs growing tall: miRNAs as drug targets in herpesvirus infections. Current Opinion in Virology, 2015, 15, 41-47.	2.6	2
2389	Benzo-α-pyrene induced oxidative stress in Caenorhabditis elegans and the potential involvements of microRNA. Chemosphere, 2015, 139, 496-503.	4.2	27
2390	Downregulated miR-33b is a novel predictor associated with disease progression and poor prognosis in multiple myeloma. Leukemia Research, 2015, 39, 793-799.	0.4	22
2391	<i>Caenorhabditis elegans</i> ALG-1 antimorphic mutations uncover functions for Argonaute in microRNA guide strand selection and passenger strand disposal. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5271-80.	3.3	26

#	Article	IF	CITATIONS
2392	<i>Dgcr8</i> and <idicer< i=""> are essential for sex chromosome integrity during meiosis in males. Journal of Cell Science, 2015, 128, 2314-2327.</idicer<>	1.2	47
2393	Corticostriatal microRNAs in addiction. Brain Research, 2015, 1628, 2-16.	1.1	23
2394	Single-Nucleotide Polymorphisms in Cytochrome P450 2E1 (CYP2E1) 3′-Untranslated Region Affect the Regulation of CYP2E1 by miR-570. Drug Metabolism and Disposition, 2015, 43, 1450-1457.	1.7	29
2395	miR-128 represses L1 retrotransposition by binding directly to L1 RNA. Nature Structural and Molecular Biology, 2015, 22, 824-831.	3. 6	66
2396	ceRNA in cancer: possible functions and clinical implications. Journal of Medical Genetics, 2015, 52, 710-718.	1.5	1,031
2397	Platelet MicroRNAs: An Overview. Transfusion Medicine Reviews, 2015, 29, 215-219.	0.9	39
2398	MicroRNA-27a decreases the level and efficiency of the LDL receptor and contributes to the dysregulation of cholesterol homeostasis. Atherosclerosis, 2015, 242, 595-604.	0.4	72
2399	Aryl amide small-molecule inhibitors of microRNA miR-21 function. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4793-4796.	1.0	48
2400	The role of microRNAs in the pathogenesis of HIV-related lymphomas. Critical Reviews in Clinical Laboratory Sciences, 2015, 52, 232-241.	2.7	15
2401	microRNAs: Modulators of the underlying pathophysiology of sarcopenia?. Ageing Research Reviews, 2015, 24, 263-273.	5.0	62
2402	Altered expression of microRNA-451 in eutopic endometrium of baboons (Papio anubis) with endometriosis. Human Reproduction, 2015, 30, dev229.	0.4	32
2403	Identification and profiling of miRNAs in the freeze-avoiding gall moth Epiblema scudderiana via next-generation sequencing. Molecular and Cellular Biochemistry, 2015, 410, 155-163.	1.4	36
2404	Computational functional genomics based analysis of pain-relevant micro-RNAs. Human Genetics, 2015, 134, 1221-1238.	1.8	3
2405	Epigenetic inheritance. , 2015, , 183-208.		0
2406	miR-23a and miR-27a Promote Human Granulosa Cell Apoptosis by Targeting SMAD51. Biology of Reproduction, 2015, 93, 98.	1.2	95
2407	MicroRNAs and Their Targets Are Differentially Regulated in Adult and Neonatal Mouse CD8+ T Cells. Genetics, 2015, 201, 1017-1030.	1.2	32
2408	The Role of Soy Phytoestrogens on Genetic and Epigenetic Mechanisms of Prostate Cancer. The Enzymes, 2015, 37, 193-221.	0.7	7
2409	miR-124 and Androgen Receptor Signaling Inhibitors Repress Prostate Cancer Growth by Downregulating Androgen Receptor Splice Variants, EZH2, and Src. Cancer Research, 2015, 75, 5309-5317.	0.4	63

#	Article	IF	CITATIONS
2410	Lowâ€temperature microRNA expression in the painted turtle, <i>Chrysemys picta</i> during freezing stress. FEBS Letters, 2015, 589, 3665-3670.	1.3	28
2411	miRNA–target chimeras reveal miRNA 3′-end pairing as a major determinant of Argonaute target specificity. Nature Communications, 2015, 6, 8864.	5.8	268
2412	MicroRNA-specific regulatory mechanisms in atherosclerosis. Journal of Molecular and Cellular Cardiology, 2015, 89, 35-41.	0.9	58
2413	MicroRNA Classifier and Nomogram for Metastasis Prediction in Colon Cancer. Cancer Epidemiology Biomarkers and Prevention, 2015, 24, 187-197.	1.1	28
2414	Differential expression of microRNAs in ischemic heart disease. Drug Discovery Today, 2015, 20, 223-235.	3.2	46
2415	lincRNA-RoR and miR-145 Regulate Invasion in Triple-Negative Breast Cancer via Targeting ARF6. Molecular Cancer Research, 2015, 13, 330-338.	1.5	211
2416	Dysregulated miR-124 and miR-200 expression contribute to cholangiocyte proliferation in the cholestatic liver by targeting IL-6/STAT3 signalling. Journal of Hepatology, 2015, 62, 889-896.	1.8	73
2417	Bioinformatics of cardiovascular miRNA biology. Journal of Molecular and Cellular Cardiology, 2015, 89, 3-10.	0.9	20
2418	MicroRNAs: new players in IBD. Gut, 2015, 64, 504-513.	6.1	223
2419	MicroRNA-495 regulates the proliferation and apoptosis of human umbilical vein endothelial cells by targeting chemokine CCL2. Thrombosis Research, 2015, 135, 146-154.	0.8	54
2420	miR-CLIP capture of a miRNA targetome uncovers a lincRNA H19–miR-106a interaction. Nature Chemical Biology, 2015, 11, 107-114.	3.9	166
2421	The biological functions of miRNAs: lessons from in vivo studies. Trends in Cell Biology, 2015, 25, 137-147.	3.6	455
2422	Epstein–Barr virus miR-BART20-5p regulates cell proliferation and apoptosis by targeting BAD. Cancer Letters, 2015, 356, 733-742.	3.2	81
2423	Epigenetic targets for novel therapies of lung diseases. , 2015, 147, 91-110.		71
2424	Comprehensive overview and assessment of computational prediction of microRNA targets in animals. Briefings in Bioinformatics, 2015, 16, 780-794.	3.2	71
2425	Tumor suppressors miR-143 and miR-145 and predicted target proteins API5, ERK5, K-RAS, and IRS-1 are differentially expressed in proximal and distal colon. American Journal of Physiology - Renal Physiology, 2015, 308, G179-G187.	1.6	39
2426	miR-122 – A key factor and therapeutic target in liver disease. Journal of Hepatology, 2015, 62, 448-457.	1.8	487
2427	The hybridization chain reaction in the development of ultrasensitive nucleic acid assays. TrAC - Trends in Analytical Chemistry, 2015, 64, 86-99.	5.8	79

#	Article	IF	Citations
2428	An ultrasensitive electrochemical miRNAs sensor based on miRNAs-initiated cleavage of DNA by duplex-specific nuclease and signal amplification of enzyme plus redox cycling reaction. Sensors and Actuators B: Chemical, 2015, 208, 137-142.	4.0	44
2429	Neoadjuvant Chemotherapy in Breast Cancer Patients Induces miRâ€34a and miRâ€122 Expression. Journal of Cellular Physiology, 2015, 230, 473-481.	2.0	39
2430	MicroRNAs as Potential Circulating Biomarkers for Amyotrophic Lateral Sclerosis. Journal of Molecular Neuroscience, 2015, 56, 102-112.	1.1	49
2431	Selection of endogenous reference microRNA genes for quantitative reverse transcription polymerase chain reaction studies of boar spermatozoa cryopreservation. Theriogenology, 2015, 83, 634-641.	0.9	20
2432	The effects of micro <scp>RNA</scp> on the absorption, distribution, metabolism and excretion of drugs. British Journal of Pharmacology, 2015, 172, 2733-2747.	2.7	32
2433	Functional Conservation of Both CDS- and 3′-UTR-Located MicroRNA Binding Sites between Species. Molecular Biology and Evolution, 2015, 32, 623-628.	3.5	42
2434	Portrait of the PI3K/AKT pathway in colorectal cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2015, 1855, 104-121.	3.3	205
2435	MicroRNAs and atrial fibrillation: mechanisms and translational potential. Nature Reviews Cardiology, 2015, 12, 80-90.	6.1	116
2436	Contribution of the immune system to bystander and non-targeted effects of ionizing radiation. Cancer Letters, 2015, 356, 105-113.	3.2	113
2437	MicroRNAs as regulators and mediators of c-MYC function. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 544-553.	0.9	100
2438	The conserved miR-8/miR-200 microRNA family and their role in invertebrate and vertebrate neurogenesis. Cell and Tissue Research, 2015, 359, 161-177.	1.5	52
2439	Coordinated Messenger RNA/MicroRNA Changes in Fibroblasts of Patients with Major Depression. Biological Psychiatry, 2015, 77, 256-265.	0.7	57
2440	Role of epigenetic mechanisms in epithelial-to-mesenchymal transition of breast cancer cells. Translational Research, 2015, 165, 126-142.	2.2	37
2441	Recent progress in microRNA delivery for cancer therapy by non-viral synthetic vectors. Advanced Drug Delivery Reviews, 2015, 81, 142-160.	6.6	208
2442	Glucose tolerance is associated with differential expression of microRNAs in skeletal muscle: results from studies of twins with and without type 2 diabetes. Diabetologia, 2015, 58, 363-373.	2.9	53
2443	Heterogeneity and Individuality: microRNAs in Mental Disorders. Journal of Neural Transmission, 2015, 122, 79-97.	1.4	49
2444	miRâ€34c Regulates the Permeability of Blood–Tumor Barrier via MAZâ€Mediated Expression Changes of ZOâ€1, Occludin, and Claudinâ€5. Journal of Cellular Physiology, 2015, 230, 716-731.	2.0	33
2445	Circulating microRNA signature in non-alcoholic fatty liver disease: from serum non-coding RNAs to liver histology and disease pathogenesis. Gut, 2015, 64, 800-812.	6.1	458

#	Article	IF	CITATIONS
2446	MicroRNAs in kidney transplantation. Nephrology Dialysis Transplantation, 2015, 30, 910-917.	0.4	29
2447	Gene regulatory networks by transcription factors and microRNAs in breast cancer. Bioinformatics, 2015, 31, 76-83.	1.8	32
2448	Circulating MicroRNAs as a marker for liver injury in human immunodeficiency virus patients. Hepatology, 2015, 61, 46-55.	3.6	55
2449	MicroRNA polymorphisms as markers of risk, prognosis and treatment response in hematological malignancies. Critical Reviews in Oncology/Hematology, 2015, 93, 1-17.	2.0	22
2451	Cocaine triggers epigenetic alterations in the corticostriatal circuit. Brain Research, 2015, 1628, 50-59.	1.1	33
2452	Bioanalytical applications of isothermal nucleic acid amplification techniques. Analytica Chimica Acta, 2015, 853, 30-45.	2.6	160
2453	MicroRNAs and their applications in kidney diseases. Pediatric Nephrology, 2015, 30, 727-740.	0.9	40
2454	Circadian Regulation of Colon Cancer Stem Cells: Implications for Therapy. , 0, , .		3
2455	miRNAs as Nutritional Targets in Aging. , 2016, , 277-291.		3
2456	MicroRNA-124 enhances response to radiotherapy in human epidermal growth factor receptor 2-positive breast cancer cells by targeting signal transducer and activator of transcription 3. Croatian Medical Journal, 2016, 57, 457-464.	0.2	18
2457	Competing endogenous RNA networks in human cancer: hypothesis, validation, and perspectives. Oncotarget, 2016, 7, 13479-13490.	0.8	190
2458	From Nutrient to MicroRNA: a Novel Insight into Cell Signaling Involved in Skeletal Muscle Development and Disease. International Journal of Biological Sciences, 2016, 12, 1247-1261.	2.6	20
2459	Function and Regulation of MicroRNAs and Their Potential as Biomarkers in Paediatric Liver Disease. International Journal of Molecular Sciences, 2016, 17, 1795.	1.8	29
2460	MicroRNA-regulated viral vectors for gene therapy. World Journal of Experimental Medicine, 2016, 6, 37.	0.9	64
2461	PDGFR-alpha inhibits melanoma growth via CXCL10/IP-10: a multi-omics approach. Oncotarget, 2016, 7, 77257-77275.	0.8	22
2462	AmiRNA Designer - new method of artificial miRNA design Acta Biochimica Polonica, 2016, 63, 71-77.	0.3	17
2463	Differences in molecular evolutionary rates among microRNAs in the human and chimpanzee genomes. BMC Genomics, 2016, 17, 528.	1.2	13
2464	MicroRNAs Role in the Central Nervous System Development and Abnormalities. Journal of Pharmacogenomics & Pharmacoproteomics, 2016, 7, .	0.2	0

#	Article	IF	CITATIONS
2465	Regulation of <i>UHRF1 </i> by dual-strand tumor-suppressor <i>microRNA-145 </i> (<i>miR-145-5p </i> and <i>miR-145-3p </i>): inhibition of bladder cancer cell aggressiveness. Oncotarget, 2016, 7, 28460-28487.	0.8	93
2466	Ameliorative effect of grape seed extract on metabolic disorders caused by high fat diet induced obesity in rats by reversing the increase in hepatic miR-33a and miR-122. African Journal of Pharmacy and Pharmacology, 2016, 10, 699-708.	0.2	3
2467	Developing miRNA therapeutics for cardiac repair in ischemic heart disease. Journal of Thoracic Disease, 2016, 8, E918-E927.	0.6	30
2468	Discovering MicroRNA-Regulatory Modules in Multi-Dimensional Cancer Genomic Data: A Survey of Computational Methods. Cancer Informatics, 2016, 15s2, CIN.S39369.	0.9	8
2469	Integrative analysis of miRNA and gene expression reveals regulatory networks in tamoxifen-resistant breast cancer. Oncotarget, 2016, 7, 57239-57253.	0.8	30
2470	Comprehensive characterization of lncRNA-mRNA related ceRNA network across 12 major cancers. Oncotarget, 2016, 7, 64148-64167.	0.8	171
2471	Expression of miRNA-122 Induced by Liver Toxicants in Zebrafish. BioMed Research International, 2016, 2016, 1-7.	0.9	18
2472	Effect of Dynamic Interaction between microRNA and Transcription Factor on Gene Expression. BioMed Research International, 2016, 2016, 1-10.	0.9	21
2473	Subclinical Detection of Diabetic Cardiomyopathy with MicroRNAs: Challenges and Perspectives. Journal of Diabetes Research, 2016, 2016, 1-12.	1.0	33
2474	Deregulated MicroRNAs in Biliary Tract Cancer: Functional Targets and Potential Biomarkers. BioMed Research International, 2016, 2016, 1-15.	0.9	19
2475	MicroRNA-132 Interact with p250GAP/Cdc42 Pathway in the Hippocampal Neuronal Culture Model of Acquired Epilepsy and Associated with Epileptogenesis Process. Neural Plasticity, 2016, 2016, 1-14.	1.0	35
2476	Molecular Background of miRNA Role in Asthma and COPD: An Updated Insight. BioMed Research International, 2016, 2016, 1-10.	0.9	42
2477	The Role of miRNAs in the Regulation of Pancreatic Cancer Stem Cells. Stem Cells International, 2016, 2016, 1-7.	1.2	23
2478	MicroRNA Targeted Therapeutic Approach for Pancreatic Cancer. International Journal of Biological Sciences, 2016, 12, 326-337.	2.6	71
2479	Down-Regulation of MicroRNA-184 Is Associated With Corneal Neovascularization., 2016, 57, 1398.		42
2480	The Role of microRNAs in the Pathogenesis of Herpesvirus Infection. Viruses, 2016, 8, 156.	1.5	128
2481	Subpathway-LNCE: Identify dysfunctional subpathways competitively regulated by lncRNAs through integrating lncRNA-mRNA expression profile and pathway topologies. Oncotarget, 2016, 7, 69857-69870.	0.8	18
2482	MicroRNA in Control of Gene Expression: An Overview of Nuclear Functions. International Journal of Molecular Sciences, 2016, 17, 1712.	1.8	882

#	Article	IF	CITATIONS
2483	Modulation of Host miRNAs by Intracellular Bacterial Pathogens. Frontiers in Cellular and Infection Microbiology, 2016, 6, 79.	1.8	88
2484	microRNAs as Potential Biomarkers in Adrenocortical Cancer: Progress and Challenges. Frontiers in Endocrinology, 2015, 6, 195.	1.5	38
2485	Post-transcriptional Regulation of BRCA2 through Interactions with miR-19a and miR-19b. Frontiers in Genetics, 2016, 7, 143.	1.1	20
2486	The rnc Gene Promotes Exopolysaccharide Synthesis and Represses the vicRKX Gene Expressions via MicroRNA-Size Small RNAs in Streptococcus mutans. Frontiers in Microbiology, 2016, 7, 687.	1.5	37
2487	BBBomics-Human Blood Brain Barrier Transcriptomics Hub. Frontiers in Neuroscience, 2016, 10, 71.	1.4	31
2488	MiRNA-200b Regulates RMP7-Induced Increases in Blood-Tumor Barrier Permeability by Targeting RhoA and ROCKII. Frontiers in Molecular Neuroscience, 2016, 9, 9.	1.4	16
2489	Aberration of miRNAs Expression in Leukocytes from Sporadic Amyotrophic Lateral Sclerosis. Frontiers in Molecular Neuroscience, 2016, 9, 69.	1.4	55
2490	Effects of MicroRNA-23a on Differentiation and Gene Expression Profiles in 3T3-L1 Adipocytes. Genes, 2016, 7, 92.	1.0	13
2491	MiRNAs and miRNA Polymorphisms Modify Drug Response. International Journal of Environmental Research and Public Health, 2016, 13, 1096.	1.2	23
2492	RNA Binding Proteins in the miRNA Pathway. International Journal of Molecular Sciences, 2016, 17, 31.	1.8	63
2493	Circulating MicroRNAs as Biomarkers for Sepsis. International Journal of Molecular Sciences, 2016, 17, 78.	1.8	212
2494	Identification of Novel Pathways in Plant Lectin-Induced Cancer Cell Apoptosis. International Journal of Molecular Sciences, 2016, 17, 228.	1.8	12
2495	Role of miR-222-3p in c-Src-Mediated Regulation of Osteoclastogenesis. International Journal of Molecular Sciences, 2016, 17, 240.	1.8	22
2496	MicroRNAs as Biomarkers for Diagnosis, Prognosis and Theranostics in Prostate Cancer. International Journal of Molecular Sciences, 2016, 17, 421.	1.8	117
2497	New Concepts in Cancer Biomarkers: Circulating miRNAs in Liquid Biopsies. International Journal of Molecular Sciences, 2016, 17, 627.	1.8	205
2498	Tools for Sequence-Based miRNA Target Prediction: What to Choose?. International Journal of Molecular Sciences, 2016, 17, 1987.	1.8	353
2499	The expression of miR-124 increases in aged skin to cause cell senescence and it decreases in squamous cell carcinoma. BioScience Trends, 2016, 10, 454-459.	1.1	23
2500	A let-7-to-miR-125 MicroRNA Switch Regulates Neuronal Integrity and Lifespan in Drosophila. PLoS Genetics, 2016, 12, e1006247.	1.5	58

#	Article	IF	CITATIONS
2501	miR-9 Acts as an OncomiR in Prostate Cancer through Multiple Pathways That Drive Tumour Progression and Metastasis. PLoS ONE, 2016, 11, e0159601.	1.1	51
2502	Discovery of miRNAs and Their Corresponding miRNA Genes in Atlantic Cod (Gadus morhua): Use of Stable miRNAs as Reference Genes Reveals Subgroups of miRNAs That Are Highly Expressed in Particular Organs. PLoS ONE, 2016, 11, e0153324.	1.1	24
2503	Airway Secretory microRNAome Changes during Rhinovirus Infection in Early Childhood. PLoS ONE, 2016, 11, e0162244.	1.1	48
2504	The First Report of miRNAs from a Thysanopteran Insect, Thrips palmi Karny Using High-Throughput Sequencing. PLoS ONE, 2016, 11, e0163635.	1.1	18
2505	Comprehensive Transcriptome Analysis of Sex-Biased Expressed Genes Reveals Discrete Biological and Physiological Features of Male and Female Schistosoma japonicum. PLoS Neglected Tropical Diseases, 2016, 10, e0004684.	1.3	43
2506	Analysis of the Trypanosoma brucei EATRO 164 Bloodstream Guide RNA Transcriptome. PLoS Neglected Tropical Diseases, 2016, 10, e0004793.	1.3	23
2507	Neuro-Epigenetic Indications of Acute Stress Response in Humans: The Case of MicroRNA-29c. PLoS ONE, 2016, 11, e0146236.	1.1	34
2508	Integration of Multiple Genomic and Phenotype Data to Infer Novel miRNA-Disease Associations. PLoS ONE, 2016, 11, e0148521.	1.1	26
2509	Identification of the MicroRNA Repertoire in TLR-Ligand Challenged Bubaline PBMCs as a Model of Bacterial and Viral Infection. PLoS ONE, 2016, 11, e0156598.	1.1	13
2510	Transcriptome Profiling Reveals Disruption of Innate Immunity in Chronic Heavy Ethanol Consuming Female Rhesus Macaques. PLoS ONE, 2016, 11, e0159295.	1.1	35
2511	MicroRNAs Expression in the Ileal Pouch of Patients with Ulcerative Colitis Is Robustly Up-Regulated and Correlates with Disease Phenotypes. PLoS ONE, 2016, 11, e0159956.	1.1	19
2512	Differential microRNA Expression and Regulation in the Rat Model of Post-Infarction Heart Failure. PLoS ONE, 2016, 11, e0160920.	1.1	31
2513	Canine Mammary Carcinomas: A Comparative Analysis of Altered Gene Expression. Veterinary Sciences, 2016, 3, 1.	0.6	47
2514	Pharmacological Intervention in Hepatic Stellate Cell Activation and Hepatic Fibrosis. Frontiers in Pharmacology, 2016, 7, 33.	1.6	81
2515	Targeting MicroRNA Function in Respiratory Diseases: Mini-Review. Frontiers in Physiology, 2016, 7, 21.	1.3	63
2516	High-Throughput Sequencing Reveals H2O2 Stress-Associated MicroRNAs and a Potential Regulatory Network in Brachypodium distachyon Seedlings. Frontiers in Plant Science, 2016, 7, 1567.	1.7	16
2517	A Comparative Review of microRNA Expression Patterns in Autism Spectrum Disorder. Frontiers in Psychiatry, 2016, 7, 176.	1.3	98
2518	Development of Antisense Drugs for Dyslipidemia. Journal of Atherosclerosis and Thrombosis, 2016, 23, 1011-1025.	0.9	15

#	Article	IF	CITATIONS
2519	Scallop Genetics and Genomics. Developments in Aquaculture and Fisheries Science, 2016, 40, 371-424.	1.3	5
2520	MicroRNAs as growth regulators, their function and biomarker status in colorectal cancer. Oncotarget, 2016, 7, 6476-6505.	0.8	93
2521	MiR-940 Inhibited Cell Growth and Migration in Triple-Negative Breast Cancer. Medical Science Monitor, 2016, 22, 3666-3672.	0.5	32
2522	Micro-RNAs in the parathyroid. Current Opinion in Nephrology and Hypertension, 2016, 25, 271-277.	1.0	12
2523	MicroRNAs, HIV and HCV: a complex relation towards pathology. Reviews in Medical Virology, 2016, 26, 197-215.	3.9	18
2524	Noncoding RNAs: New Players in Cancers. Advances in Experimental Medicine and Biology, 2016, 927, 1-47.	0.8	61
2525	Circulating MicroRNA and Long Noncoding RNA as Biomarkers of Cardiovascular Diseases. Journal of Cellular Physiology, 2016, 231, 751-755.	2.0	44
2526	Chicken gga-miR-103-3p Targets CCNE1 and TFDP2 and Inhibits MDCC-MSB1 Cell Migration. G3: Genes, Genomes, Genetics, 2016, 6, 1277-1285.	0.8	19
2527	Molecular characterization of a novel androgen receptor transgene responsive to MicroRNA mediated post-transcriptional control exerted via 3′-untranslated region. Prostate, 2016, 76, 834-844.	1.2	4
2528	Can circulating <scp>miRNAs</scp> live up to the promise of being minimal invasive biomarkers in clinical settings?. Wiley Interdisciplinary Reviews RNA, 2016, 7, 148-156.	3.2	65
2529	Bone morphogenetic protein 4 regulates micro <scp>RNA</scp> expression in breast cancer cell lines in diverse fashion. Genes Chromosomes and Cancer, 2016, 55, 227-236.	1.5	11
2530	Differential regulation of miR-146a/ <i>FAS</i> and miR-21/ <i>FASLG</i> axes in autoimmune lymphoproliferative syndrome due to <i>FAS</i> mutation (ALPS-FAS). Clinical and Experimental Immunology, 2016, 185, 148-153.	1.1	10
2531	The Liquid Biopsies: A New Important Step in Cancer Research. , 2016, , 85-115.		0
2532	In Vivo Therapeutic Success of MicroRNAâ€155 Antagomir in a Mouse Model of Lupus Alveolar Hemorrhage. Arthritis and Rheumatology, 2016, 68, 953-964.	2.9	57
2533	Hippocampal MicroRNA-124 Enhances Chronic Stress Resilience in Mice. Journal of Neuroscience, 2016, 36, 7253-7267.	1.7	130
2534	Genetic Variants in MicroRNAs and Their Binding Sites Are Associated with the Risk of Parkinson Disease. Human Mutation, 2016, 37, 292-300.	1.1	52
2535	MicroRNAs in Control of Plant Development. Journal of Cellular Physiology, 2016, 231, 303-313.	2.0	276
2536	MicroRNAs in Cardiovascular Disease. Cardiology in Review, 2016, 24, 110-118.	0.6	22

#	Article	IF	CITATIONS
2537	Expression of 14-3-3 transcript isoforms in response to ethanol exposure and their regulation by miRNAs. Molecular and Cellular Neurosciences, 2016, 75, 44-49.	1.0	16
2538	Functional Implications of miR-19 in the Migration of Newborn Neurons in the Adult Brain. Neuron, 2016, 91, 79-89.	3.8	94
2539	Evidence and potential in vivo functions for biofluid miRNAs: From expression profiling to functional testing. BioEssays, 2016, 38, 367-378.	1.2	67
2540	MicroRNA 17-5p regulates autophagy in <i>Mycobacterium tuberculosis</i> i>infected macrophages by targeting Mcl-1 and STAT3. Cellular Microbiology, 2016, 18, 679-691.	1.1	91
2541	<scp>GEMC</scp> 1 is a critical regulator of multiciliated cell differentiation. EMBO Journal, 2016, 35, 942-960.	3.5	91
2542	AntimiR-30b Inhibits TNF-α Mediated Apoptosis and Attenuated Cartilage Degradation through Enhancing Autophagy. Cellular Physiology and Biochemistry, 2016, 40, 883-894.	1.1	49
2543	Crosstalk of proteins, miRNAs involved in metastatic and epithelial–mesenchymal transition pathways. Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences, 2016, 9, 323-346.	1.1	1
2544	The miRNA aberrant expression dependence on DNA methylation in HeLa cells treated with mitomycin C. Russian Journal of Genetics, 2016, 52, 1117-1123.	0.2	2
2546	The microRNA-200/Zeb1 axis regulates ECM-dependent \hat{l}^21 -integrin/FAK signaling, cancer cell invasion and metastasis through CRKL. Scientific Reports, 2016, 6, 18652.	1.6	62
2547	miR-129 predicts prognosis and inhibits cell growth in human prostate carcinoma. Molecular Medicine Reports, 2016, 14, 5025-5032.	1.1	23
2548	Non-coding RNAs in skin cancers: An update. Non-coding RNA Research, 2016, 1, 83-86.	2.4	17
2549	deepTarget., 2016,,.		66
2550	The dark matter of the cancer genome: aberrations in regulatory elements, untranslated regions, splice sites, nonâ€coding <scp>RNA</scp> and synonymous mutations. EMBO Molecular Medicine, 2016, 8, 442-457.	3.3	209
2551	MicroRNA-497 targets hepatoma-derived growth factor and suppresses human prostate cancer cell motility. Molecular Medicine Reports, 2016, 13, 2287-2292.	1.1	18
2552	High throughput sequencing of small RNAs transcriptomes in two Crassostrea oysters identifies microRNAs involved in osmotic stress response. Scientific Reports, 2016, 6, 22687.	1.6	44
2553	The tumor-suppressive microRNA-23b/27b cluster regulates the MET oncogene in oral squamous cell carcinoma. International Journal of Oncology, 2016, 49, 1119-1129.	1.4	35
2554	Gene targets of mouse miR-709: regulation of distinct pools. Scientific Reports, 2016, 6, 18958.	1.6	12
2555	miR-300 promotes proliferation and EMT-mediated colorectal cancer migration and invasion by targeting p53. Oncology Reports, 2016, 36, 3225-3232.	1.2	31

#	Article	IF	CITATIONS
2556	Omics Tools for Exploration of Renal Disorders. , 2016, , 165-183.		0
2557	Exploiting MicroRNA (miRNA) Profiles for Diagnostics. , 2016, , 634-654.		1
2558	Small RNAs/Cancer., 2016,, 364-374.		0
2559	miRNAs/Small Noncoding RNAs., 2016, , 354-363.		1
2560	The role of microRNA in regulation of the body's immune responses. Biology Bulletin Reviews, 2016, 6, 473-482.	0.3	5
2561	A new evolutionary microRNA marker selection using next-generation sequencing data. , 2016, , .		2
2562	Membership Privacy in MicroRNA-based Studies. , 2016, , .		68
2563	Plasma microRNA biomarker detection for mild cognitive impairment using differential correlation analysis. Biomarker Research, 2016, 4, 22.	2.8	46
2564	PERK regulated miR-424(322)-503 cluster fine-tunes activation of IRE1 and ATF6 during Unfolded Protein Response. Scientific Reports, 2016, 5, 18304.	1.6	35
2565	MicroRNA-182 targets SMAD7 to potentiate TGFÎ ² -induced epithelial-mesenchymal transition and metastasis of cancer cells. Nature Communications, 2016, 7, 13884.	5.8	112
2566	Genome-wide Long Non-coding RNA Analysis Identified Circulating LncRNAs as Novel Non-invasive Diagnostic Biomarkers for Gynecological Disease. Scientific Reports, 2016, 6, 23343.	1.6	93
2567	Time Series miRNA-mRNA integrated analysis reveals critical miRNAs and targets in macrophage polarization. Scientific Reports, 2016, 6, 37446.	1.6	79
2568	Genome-wide miRNAs expression profiles of <i>Schistosoma japonicum</i> schistosomula in response to artesunate. Pharmacogenomics, 2016, 17, 2025-2037.	0.6	5
2569	Ovarian transcriptomic study reveals the differential regulation of miRNAs and lncRNAs related to fecundity in different sheep. Scientific Reports, 2016, 6, 35299.	1.6	69
2570	Upregulation of microRNA-337 promotes the proliferation of endometrial carcinoma cells via targeting PTEN. Molecular Medicine Reports, 2016, 13, 4827-4834.	1.1	9
2571	MicroRNA-22 is downregulated in clear cell renal cell carcinoma, and inhibits cell growth, migration and invasion by targeting PTEN. Molecular Medicine Reports, 2016, 13, 4800-4806.	1.1	44
2572	MiR-590-5p Inhibits Oxidized- LDL Induced Angiogenesis by Targeting LOX-1. Scientific Reports, 2016, 6, 22607.	1.6	29
2573	Identification of novel candidate drivers connecting different dysfunctional levels for lung adenocarcinoma using protein-protein interactions and a shortest path approach. Scientific Reports, 2016, 6, 29849.	1.6	28

#	Article	IF	Citations
2574	Iterative segmented least square method for functional microRNA-mRNA module discovery in breast cancer. , 2016 , , .		1
2575	sta-1 is repressed by mir-58 family in Caenorhabditis elegans. Worm, 2016, 5, e1238560.	1.0	5
2576	miR-199a-5p regulates HIF-1 \hat{l} ± and OSGIN2 and its expression is correlated to soft-tissue sarcoma patients' outcome. Oncology Letters, 2016, 12, 5281-5288.	0.8	16
2577	miRepress: modelling gene expression regulation by microRNA with non-conventional binding sites. Scientific Reports, 2016, 6, 22334.	1.6	7
2578	The potential role of microRNAs in lung allograft rejection. Journal of Heart and Lung Transplantation, 2016, 35, 550-559.	0.3	16
2579	Evaluation of the mirn23a Cluster through an iTRAQ-based Quantitative Proteomic Approach. Journal of Proteome Research, 2016, 15, 1497-1505.	1.8	11
2580	MicroRNAs are involved in cervical cancer development, progression, clinical outcome and improvement treatment response (Review). Oncology Reports, 2016, 35, 3-12.	1,2	50
2581	Comprehensive identification and profiling of Nile tilapia (Oreochromis niloticus) microRNAs response to Streptococcus agalactiae infection through high-throughput sequencing. Fish and Shellfish Immunology, 2016, 54, 93-106.	1.6	80
2582	Cardiac-specific miRNA in cardiogenesis, heart function, and cardiac pathology (with focus on) Tj ETQq0 0 0 rgB1	- Qvgrlock	2 10 Tf 50 42
2583	Screening of posttranscriptional regulatory molecules of ll®B-ζ. Biochemical and Biophysical Research Communications, 2016, 469, 711-715.	1.0	7
2584	Molecular and Cellular Mechanisms of Cardiovascular Disorders in Diabetes. Circulation Research, 2016, 118, 1808-1829.	2.0	425
2585	Identification of a microRNA (miR-663a) induced by ER stress and its target gene PLOD3 by a combined microRNome and proteome approach. Cell Biology and Toxicology, 2016, 32, 285-303.	2.4	33
2586	Rhythmic expression of miRâ€27bâ€3p targets the clock gene <i>Bmal1</i> at the posttranscriptional level in the mouse liver. FASEB Journal, 2016, 30, 2151-2160.	0.2	27
2587	Human vascular endothelial cells transport foreign exosomes from cow's milk by endocytosis. American Journal of Physiology - Cell Physiology, 2016, 310, C800-C807.	2.1	155
2588	MicroRNAs in brain cholesterol metabolism and their implications for Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 2139-2147.	1.2	18
2589	Analysis of microRNAs in a knock-in hESC line expressing epitope-tagged AGO2. Animal Cells and Systems, 2016, 20, 24-30.	0.8	2
2590	Direct regulation of LAMP1 by tumor-suppressive microRNA-320a in prostate cancer. International Journal of Oncology, 2016, 49, 111-122.	1.4	57
2591	Unsupervised Learning in Genome Informatics. , 2016, , 405-448.		4

#	Article	IF	CITATIONS
2592	Ageing in relation to skeletal muscle dysfunction: redox homoeostasis to regulation of gene expression. Mammalian Genome, 2016, 27, 341-357.	1.0	29
2593	Decreased expression of microRNA-29 family in leiomyoma contributes to increased major fibrillar collagen production. Fertility and Sterility, 2016, 106, 766-772.	0.5	36
2594	Don't worry; be informed about the epigenetics of anxiety. Pharmacology Biochemistry and Behavior, 2016, 146-147, 60-72.	1.3	32
2595	Transition from inflammation to proliferation: a critical step during wound healing. Cellular and Molecular Life Sciences, 2016, 73, 3861-3885.	2.4	987
2596	The enigma of ceramide synthase regulation in mammalian cells. Progress in Lipid Research, 2016, 63, 93-119.	5.3	101
2597	Improving microRNA target prediction with gene expression profiles. BMC Genomics, 2016, 17, 364.	1.2	22
2598	miR-218 impedes IL-6-induced prostate cancer cell proliferation and invasion via suppression of LGR4 expression. Oncology Reports, 2016, 35, 2859-2865.	1.2	27
2599	Missing link between microRNA and prostate cancer. Tumor Biology, 2016, 37, 5683-5704.	0.8	17
2600	Radiogenomics: A systems biology approach to understanding genetic risk factors for radiotherapy toxicity?. Cancer Letters, 2016, 382, 95-109.	3.2	68
2601	MicroRNA biomarkers in clinical renal disease: from diabetic nephropathy renal transplantation and beyond. Food and Chemical Toxicology, 2016, 98, 73-88.	1.8	28
2602	A Specialized Mechanism of Translation Mediated by FXR1a-Associated MicroRNP in Cellular Quiescence. Molecular Cell, 2016, 61, 760-773.	4.5	85
2603	Comparative Analysis of microRNA-Target Gene Interaction Prediction Algorithms - The Attempt to Compare the Results of Three Algorithms. Lecture Notes in Computer Science, 2016, , 103-112.	1.0	1
2604	MicroRNA degeneracy and pluripotentiality within a Lavallià re-tie architecture confers robustness to gene expression networks. Cellular and Molecular Life Sciences, 2016, 73, 2821-2827.	2.4	0
2605	Epigenetic silencing of miR-490-3p promotes development of an aggressive colorectal cancer phenotype through activation of the Wnt \hat{l}^2 -catenin signaling pathway. Cancer Letters, 2016, 376, 178-187.	3.2	68
2606	Reciprocal Alterations in Regulator of G Protein Signaling 4 and microRNA16 in Schizophrenia. Schizophrenia Bulletin, 2016, 42, 396-405.	2.3	17
2607	Production of small RNAs by mammalian Dicer. Pflugers Archiv European Journal of Physiology, 2016, 468, 1089-1102.	1.3	41
2608	Long non-coding RNA Databases in Cardiovascular Research. Genomics, Proteomics and Bioinformatics, 2016, 14, 191-199.	3.0	38
2609	A Machine Learning Approach for the Integration of miRNA-Target Predictions. , 2016, , .		2

#	Article	IF	CITATIONS
2610	Regulation of E3 ubiquitin ligase-1 (WWP1) by microRNA-452 inhibits cancer cell migration and invasion in prostate cancer. British Journal of Cancer, 2016, 114, 1135-1144.	2.9	53
2611	miR-125b inhibits keratinocyte proliferation and promotes keratinocyte apoptosis in oral lichen planus by targeting MMP-2 expression through PI3 K/Akt/mTOR pathway. Biomedicine and Pharmacotherapy, 2016, 80, 373-380.	2.5	33
2612	Guidelines for the optimal design of miRNA-based shRNAs. Methods, 2016, 103, 157-166.	1.9	63
2613	The mirn23a microRNA cluster antagonizes B cell development. Journal of Leukocyte Biology, 2016, 100, 665-677.	1.5	26
2614	Identifying cell-specific microRNA transcriptional start sites. Bioinformatics, 2016, 32, 2403-2410.	1.8	18
2615	Reversing epigenetic mechanisms of drug resistance in solid tumors using targeted microRNA delivery. Expert Opinion on Drug Delivery, 2016, 13, 987-998.	2.4	11
2616	miR-200c: a versatile watchdog in cancer progression, EMT, and drug resistance. Journal of Molecular Medicine, 2016, 94, 629-644.	1.7	112
2617	CFIm25 regulates glutaminase alternative terminal exon definition to modulate miR-23 function. Rna, 2016, 22, 830-838.	1.6	33
2618	Non-coding RNAs in pancreatic cancer: challenges and opportunities for clinical application. Cellular Oncology (Dordrecht), 2016, 39, 295-318.	2.1	76
2619	Therapeutic Potential of miR-494 in Thrombosis and Other Diseases: A Review. Australian Journal of Chemistry, 2016, 69, 1078.	0.5	4
2620	Integrated analysis of miRNA and mRNA expression profiles in tilapia gonads at an early stage of sex differentiation. BMC Genomics, 2016, 17, 328.	1.2	86
2621	A widespread sequence-specific mRNA decay pathway mediated by hnRNPs A1 and A2/B1. Genes and Development, 2016, 30, 1070-1085.	2.7	46
2622	The tumor suppressor role of miR-4782-3p in hepatocellular carcinoma. Oncology Reports, 2016, 35, 2107-2112.	1.2	8
2623	MicroRNAs as regulatory elements in immune system logic. Nature Reviews Immunology, 2016, 16, 279-294.	10.6	616
2624	Regulation of brain endothelial barrier function by microRNAs in health and neuroinflammation. FASEB Journal, 2016, 30, 2662-2672.	0.2	49
2625	Distinct miRNA profiles in normal and gastric cancer myofibroblasts and significance in Wnt signaling. American Journal of Physiology - Renal Physiology, 2016, 310, G696-G704.	1.6	15
2626	MicroRNA-183-96-182 Cluster Regulates Bovine Granulosa Cell Proliferation and Cell Cycle Transition by Coordinately Targeting FOXO11. Biology of Reproduction, 2016, 94, 127.	1.2	47
2627	STarMirDB: A database of microRNA binding sites. RNA Biology, 2016, 13, 554-560.	1.5	49

#	Article	IF	CITATIONS
2628	MicroRNA Expression in Amniotic Fluid Cells. Pancreatic Islet Biology, 2016, , 215-228.	0.1	2
2629	MicroRNA: a connecting road between apoptosis and cholesterol metabolism. Tumor Biology, 2016, 37, 8529-8554.	0.8	11
2630	Association study of MiRSNPs with schizophrenia, tardive dyskinesia and cognition. Schizophrenia Research, 2016, 174, 29-34.	1.1	18
2631	MicroRNA-204 modulates colorectal cancer cell sensitivity in response to 5-fluorouracil-based treatment by targeting high mobility group protein A2. Biology Open, 2016, 5, 563-570.	0.6	57
2632	MiR-381 inhibits epithelial ovarian cancer malignancy via YY1 suppression. Tumor Biology, 2016, 37, 9157-9167.	0.8	60
2633	Regulation of Complement-Dependent Cytotoxicity by MicroRNAs miR-200b, miR-200c, and miR-217. Journal of Immunology, 2016, 196, 5156-5165.	0.4	17
2634	miRNA-133a attenuates lipid accumulation via TR4-CD36 pathway in macrophages. Biochimie, 2016, 127, 79-85.	1.3	27
2635	MicroRNA-30 inhibits antiapoptotic factor Mcl-1 in mouse and human hematopoietic cells after radiation exposure. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 708-720.	2.2	28
2636	LimiTT: link miRNAs to targets. BMC Bioinformatics, 2016, 17, 210.	1.2	0
2637	Adenoviral Vectors for RNAi Delivery. , 2016, , 739-765.		0
2638	MicroRNAs in large herpesvirus DNA genomes: recent advances. Biomolecular Concepts, 2016, 7, 229-239.	1.0	24
2639	Changes of standard physiological-perceptual markers and circulating MicroRNAs in response to tennis match-play: A case report of two elite players. Journal of Human Kinetics, 2016, 51, 71-81.	0.7	8
2640	Unraveling the Mysterious Interactions Between Hepatitis C Virus RNA and Liver-Specific MicroRNA-122. Annual Review of Virology, 2016, 3, 309-332.	3.0	50
2641	MiR-30a-5p Suppresses Tumor Metastasis of Human Colorectal Cancer by Targeting ITGB3. Cellular Physiology and Biochemistry, 2016, 39, 1165-1176.	1.1	94
2642	Interplay Between Transcription Factors and MicroRNAs Regulating Epithelial-Mesenchymal Transitions in Colorectal Cancer. Advances in Experimental Medicine and Biology, 2016, 937, 71-92.	0.8	30
2643	MicroRNA 101b Is Downregulated in the Prefrontal Cortex of a Genetic Model of Depression and Targets the Glutamate Transporter SLC1A1 (EAAT3) <i>in Vitro</i> . International Journal of Neuropsychopharmacology, 2016, 19, pyw069.	1.0	22
2644	miR-30 Family Controls Proliferation and Differentiation of Intestinal Epithelial Cell Models by Directing a Broad Gene Expression Program That Includes SOX9 and the Ubiquitin Ligase Pathway. Journal of Biological Chemistry, 2016, 291, 15975-15984.	1.6	40
2645	MicroRNAs and Inflammation in Colorectal Cancer. Advances in Experimental Medicine and Biology, 2016, 937, 53-69.	0.8	23

#	ARTICLE	IF	CITATIONS
2646	CYP4Z1 3′UTR represses migration of human breast cancer cells. Biochemical and Biophysical Research Communications, 2016, 478, 900-907.	1.0	12
2647	miR-146a-5p inhibits TNF-α-induced adipogenesis via targeting insulin receptor in primary porcine adipocytes. Journal of Lipid Research, 2016, 57, 1360-1372.	2.0	39
2648	Integrated network analysis reveals distinct regulatory roles of transcription factors and microRNAs. Rna, 2016, 22, 1663-1672.	1.6	36
2649	Noncoding RNAs and Duchenne muscular dystrophy. Epigenomics, 2016, 8, 1527-1537.	1.0	27
2650	MicroRNAs and oncogenic transcriptional regulatory networks controlling metabolic reprogramming in cancers. Computational and Structural Biotechnology Journal, 2016, 14, 223-233.	1.9	62
2651	Associations of MicroRNAPolymorphisms (miR-146a,miR-196a2, andmiR-499) with the Risk of Hypertension in the Korean Population. Genetic Testing and Molecular Biomarkers, 2016, 20, 420-426.	0.3	7
2652	The regulation roles of miR-125b, miR-221 and miR-27b in porcine Salmonella infection signalling pathway. Bioscience Reports, 2016, 36, .	1.1	11
2653	Polymorphisms in Cytokine Genes Are Associated With Higher Levels of Fatigue and Lower Levels of Energy in Women After Breast Cancer Surgery. Journal of Pain and Symptom Management, 2016, 52, 695-708.e4.	0.6	34
2654	miRNA92a targets KLF2 and the phosphatase PTEN signaling to promote human T follicular helper precursors in T1D islet autoimmunity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6659-E6668.	3.3	50
2655	Protective effect of microRNA-138 against cerebral ischemia/reperfusion injury in rats. Experimental and Therapeutic Medicine, 2016, 11, 1045-1050.	0.8	30
2656	Increased precursor microRNA-21 following status epilepticus can compete with mature microRNA-21 to alter translation. Experimental Neurology, 2016, 286, 137-146.	2.0	11
2657	STarMir Tools for Prediction of microRNA Binding Sites. Methods in Molecular Biology, 2016, 1490, 73-82.	0.4	29
2659	MiR-339 and especially miR-766 reactivate the expression of tumor suppressor genes in colorectal cancer cell lines through DNA methyltransferase 3B gene inhibition. Cancer Biology and Therapy, 2016, 17, 1126-1138.	1.5	43
2660	DNA damage response regulation by microRNAs as a therapeutic target in cancer. DNA Repair, 2016, 47, 1-11.	1.3	70
2661	A novel computational method for inferring competing endogenous interactions. Briefings in Bioinformatics, 2016, 18, bbw084.	3.2	37
2662	Validation of RNAi Silencing Efficiency Using Gene Array Data shows 18.5% Failure Rate across 429 Independent Experiments. Molecular Therapy - Nucleic Acids, 2016, 5, e366.	2.3	10
2663	Torporâ€responsive expression of novel microRNA regulating metabolism and other cellular pathways in the thirteenâ€lined ground squirrel, <i>Ictidomys tridecemlineatus</i> . FEBS Letters, 2016, 590, 3574-3582.	1.3	22
2664	MicroRNA 320a Predicts Chronic Axial and Widespread Pain Development Following Motor Vehicle Collision in a Stress-Dependent Manner. Journal of Orthopaedic and Sports Physical Therapy, 2016, 46, 911-919.	1.7	24

#	Article	IF	Citations
2665	Computational identification and characterization of novel microRNA in the mammary gland of dairy goat (Capra hircus). Journal of Genetics, 2016, 95, 625-637.	0.4	2
2666	6-Hydroxydopamine Inhibits the Hepatitis C Virus through Alkylation of Host and Viral Proteins and the Induction of Oxidative Stress. ACS Infectious Diseases, 2016, 2, 863-871.	1.8	3
2667	Understanding microRNA-mediated gene regulatory networks through mathematical modelling. Nucleic Acids Research, 2016, 44, 6019-6035.	6.5	135
2668	MiRNA-binding site functional polymorphisms in DNA repair genes RAD51, RAD52, and XRCC2 and breast cancer risk in Chinese population. Tumor Biology, 2016, 37, 16039-16051.	0.8	12
2669	Improving Accuracy of Urinary miRNA Quantification in Heparinized Patients Using Heparinase I Digestion. Journal of Molecular Diagnostics, 2016, 18, 825-833.	1.2	9
2670	MicroRNA-related polymorphisms and non-Hodgkin lymphoma susceptibility in the Multicenter AIDS Cohort Study. Cancer Epidemiology, 2016, 45, 47-57.	0.8	21
2671	Spermatozoa from normozoospermic fertile and infertile individuals convey a distinct mi <scp>RNA</scp> cargo. Andrology, 2016, 4, 1028-1036.	1.9	48
2672	Screening and identification of microRNA involved in unstable angina using gene-chip analysis. Experimental and Therapeutic Medicine, 2016, 12, 2716-2722.	0.8	5
2673	Commercial Dairy Cow Milk microRNAs Resist Digestion under Simulated Gastrointestinal Tract Conditions. Journal of Nutrition, 2016, 146, 2206-2215.	1.3	165
2674	Pairing beyond the Seed Supports MicroRNA Targeting Specificity. Molecular Cell, 2016, 64, 320-333.	4.5	344
2675	Diverse roles of miR-335 in development and progression of cancers. Tumor Biology, 2016, 37, 15399-15410.	0.8	23
2676	MicroRNA-15a inhibits the growth and invasiveness of malignant melanoma and directly targets on CDCA4 gene. Tumor Biology, 2016, 37, 13941-13950.	0.8	31
2677	The roles of non-coding RNAs in Parkinson's disease. Molecular Biology Reports, 2016, 43, 1193-1204.	1.0	91
2678	The Landscape of microRNA Targeting in Prostate Cancer Defined by AGO-PAR-CLIP. Neoplasia, 2016, 18, 356-370.	2.3	40
2679	MiRâ€16 regulates mouse peritoneal macrophage polarization and affects Tâ€cell activation. Journal of Cellular and Molecular Medicine, 2016, 20, 1898-1907.	1.6	62
2680	Tiny giants of gene regulation: experimental strategies formicroRNAfunctional studies. Wiley Interdisciplinary Reviews: Developmental Biology, 2016, 5, 311-362.	5.9	60
2681	Micro <scp>RNA</scp> s in Bladder Outlet Obstruction: Relationship to Growth and Matrix Remodelling. Basic and Clinical Pharmacology and Toxicology, 2016, 119, 5-17.	1.2	13
2682	Tumorâ€suppressive <i>micro<scp>RNA</scp>â€223</i> inhibits cancer cell migration and invasion by targeting <i><scp>ITGA</scp>3/<scp>ITGB</scp>1</i> signaling in prostate cancer. Cancer Science, 2016, 107, 84-94.	1.7	122

#	Article	IF	CITATIONS
2683	Phenotypic switching of vascular smooth muscle cells in the â€~normal region' of aorta from atherosclerosis patients is regulated by <i>miRâ€145</i> . Journal of Cellular and Molecular Medicine, 2016, 20, 1049-1061.	1.6	91
2684	Genomewide mi <scp>RNA</scp> profiling of oral lichenoid disorders and oral squamous cell carcinoma. Oral Diseases, 2016, 22, 754-760.	1.5	14
2685	MicroRNAs as regulators of betaâ€eell function and dysfunction. Diabetes/Metabolism Research and Reviews, 2016, 32, 334-349.	1.7	62
2686	MiR-375 is Essential for Human Spinal Motor Neuron Development and May Be Involved in Motor Neuron Degeneration. Stem Cells, 2016, 34, 124-134.	1.4	64
2687	Identifying miRNA-mRNA Regulatory Modules Based on Overlapping Neighborhood Expansion from Multiple Types of Genomic Data. Lecture Notes in Computer Science, 2016, , 234-246.	1.0	2
2688	Blockade of senescenceâ€associated micro <scp>RNA</scp> â€195 in aged skeletal muscle cells facilitates reprogramming to produce induced pluripotent stem cells Aging Cell, 2016, 15, 56-66.	3.0	33
2689	Micro <scp>RNA</scp> â€₹61 is upregulated in hepatocellular carcinoma and regulates tumorigenesis by targeting Mitofusinâ€2. Cancer Science, 2016, 107, 424-432.	1.7	64
2690	Identification and profiling of microRNAs in two developmental stages of the model cestode parasite Mesocestoides corti. Molecular and Biochemical Parasitology, 2016, 210, 37-49.	0.5	30
2691	Biomarkers in pediatric heart failure. Progress in Pediatric Cardiology, 2016, 43, 11-15.	0.2	0
2692	Genome-wide, integrative analysis implicates microRNA dysregulation in autism spectrum disorder. Nature Neuroscience, 2016, 19, 1463-1476.	7.1	163
2693	Reducing Hepatocyte Injury and Necrosis in Response to Paracetamol Using Noncoding RNAs. Stem Cells Translational Medicine, 2016, 5, 764-772.	1.6	36
2694	MicroRNAs: An adaptive mechanism in the pancreatic \hat{l}^2 -cellâ \in and beyond? Best Practice and Research in Clinical Endocrinology and Metabolism, 2016, 30, 621-628.	2.2	7
2695	Identification of rifampin-regulated functional modules and related microRNAs in human hepatocytes based on the protein interaction network. BMC Genomics, 2016, 17, 517.	1,2	6
2696	Non-coding RNAs: Classification, Biology and Functioning. Advances in Experimental Medicine and Biology, 2016, 937, 3-17.	0.8	596
2697	Cellular Delivery of RNA Nanoparticles. ACS Combinatorial Science, 2016, 18, 527-547.	3.8	47
2698	Resolvin E1 Reverses Experimental Periodontitis and Dysbiosis. Journal of Immunology, 2016, 197, 2796-2806.	0.4	128
2699	MicroRNAs in heart failure: Non-coding regulators of metabolic function. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 2276-2287.	1.8	19
2700	Role of microRNAs in regulation of the TNF/TNFR gene superfamily in chronic lymphocytic leukemia. Clinical Biochemistry, 2016, 49, 1307-1310.	0.8	24

#	Article	IF	CITATIONS
2701	miR-20a regulates proliferation, differentiation and apoptosis in P19 cell model of cardiac differentiation by targeting Smoothened. Biology Open, 2016, 5, 1260-1265.	0.6	13
2702	Regulatory non-coding RNA: new instruments in the orchestration of cell death. Cell Death and Disease, 2016, 7, e2333-e2333.	2.7	101
2703	MicroRNA-375 as a biomarker for malignant transformation in oral lesions. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2016, 122, 743-752.e1.	0.2	32
2704	Runx2 and microRNA regulation in bone and cartilage diseases. Annals of the New York Academy of Sciences, 2016, 1383, 80-87.	1.8	29
2705	Experimental Methods for Functional Studies of microRNAs in Animal Models of Psychiatric Disorders. Neuromethods, 2016, , 129-146.	0.2	0
2706	Ultrasensitive, colorimetric detection of microRNAs based on isothermal exponential amplification reaction-assisted gold nanoparticle amplification. Biosensors and Bioelectronics, 2016, 86, 1011-1016.	5.3	113
2707	AnnoLnc: a web server for systematically annotating novel human lncRNAs. BMC Genomics, 2016, 17, 931.	1.2	51
2708	The Emerging Roles of Long Noncoding RNA ROR (lincRNA-ROR) and its Possible Mechanisms in Human Cancers. Cellular Physiology and Biochemistry, 2016, 40, 219-229.	1.1	126
2709	miR-155 Deletion in Female Mice Prevents Diet-Induced Obesity. Scientific Reports, 2016, 6, 22862.	1.6	83
2710	A panel of circulating mi RNA s as diagnostic biomarkers for screening multiple myeloma: a systematic review and metaâ€analysis. International Journal of Laboratory Hematology, 2016, 38, 589-599.	0.7	11
2711	Novel microRNA discovery using small RNA sequencing in post-mortem human brain. BMC Genomics, 2016, 17, 776.	1.2	36
2712	Systems analysis identifies miR-29b regulation of invasiveness in melanoma. Molecular Cancer, 2016, 15, 72.	7.9	21
2713	Differential expression of miR-184 in temporal lobe epilepsy patients with and without hippocampal sclerosis – Influence on microglial function. Scientific Reports, 2016, 6, 33943.	1.6	13
2714	Reprogramming macrophage orientation by microRNA 146b targeting transcription factor IRF5. EBioMedicine, 2016, 14, 83-96.	2.7	53
2715	Functional Significance and Predictive Value of MicroRNAs in Pediatric Obesity: Tiny Molecules with Huge Impact?. Hormone Research in Paediatrics, 2016, 86, 3-10.	0.8	21
2716	- Data Mining and Network Analysis: Potential Importance in Nutrigenomics Research. , 2016, , 226-247.		0
2717	MicroRNAs as biomarkers for major depression: a role for let-7b and let-7c. Translational Psychiatry, 2016, 6, e862-e862.	2.4	100
2718	MicroRNAs of Filarial Nematodes: A New Frontier in Host-Pathogen Interactions. , 2016, , 207-223.		2

#	Article	IF	CITATIONS
2719	The MicroRNA miR-191 Supports T Cell Survival Following Common \hat{I}^3 Chain Signaling. Journal of Biological Chemistry, 2016, 291, 23532-23544.	1.6	26
2720	Cis-acting single nucleotide polymorphisms alter MicroRNA-mediated regulation of human brain-expressed transcripts. Human Molecular Genetics, 2016, 25, ddw317.	1.4	5
2721	Coding Regions of Intrinsic Disorder Accommodate Parallel Functions. Trends in Biochemical Sciences, 2016, 41, 898-906.	3.7	20
2722	miRNAs in NMDA receptor-dependent synaptic plasticity and psychiatric disorders. Clinical Science, 2016, 130, 1137-1146.	1.8	11
2723	Shaping and preserving β ell identity with <scp>microRNAs</scp> . Diabetes, Obesity and Metabolism, 2016, 18, 51-57.	2.2	8
2724	MicroRNAs and psychiatric disorders: From aetiology to treatment. , 2016, 167, 13-27.		45
2725	Causal Mechanistic Regulatory Network for Glioblastoma Deciphered Using Systems Genetics Network Analysis. Cell Systems, 2016, 3, 172-186.	2.9	97
2726	MicroRNA Genetic Variation: From Population Analysis to Functional Implications of Three Allele Variants Associated with Cancer. Human Mutation, 2016, 37, 1060-1073.	1.1	15
2727	Genetic insights into migraine and glutamate: a protagonist driving the headache. Journal of the Neurological Sciences, 2016, 367, 258-268.	0.3	19
2728	Electrochemical Methods for the Analysis of Clinically Relevant Biomolecules. Chemical Reviews, 2016, 116, 9001-9090.	23.0	702
2729	miR-29 Regulates Type VII Collagen in Recessive Dystrophic Epidermolysis Bullosa. Journal of Investigative Dermatology, 2016, 136, 2013-2021.	0.3	22
2730	Analysis of microRNA Levels in Intestinal Epithelial Cells. Methods in Molecular Biology, 2016, 1422, 89-99.	0.4	0
2731	miRNA-216 and miRNA-499 target cyb561d2 in zebrafish in response to fipronil exposure. Environmental Toxicology and Pharmacology, 2016, 45, 98-107.	2.0	15
2732	CDK7 and miR-210 Co-regulate Cell-Cycle Progression of Neural Progenitors in the Developing Neocortex. Stem Cell Reports, 2016, 7, 69-79.	2.3	29
2733	Integrated gene set analysis for microRNA studies. Bioinformatics, 2016, 32, 2809-2816.	1.8	23
2734	miRNAs Related to Skeletal Diseases. Stem Cells and Development, 2016, 25, 1261-1281.	1.1	43
2735	Regulation of Skeletal Muscle by microRNAs. , 2016, 6, 1279-1294.		76
2736	Deciphering the cross-talking of human competitive endogenous RNAs in K562 chronic myelogenous leukemia cell line. Molecular BioSystems, 2016, 12, 3633-3642.	2.9	4

#	Article	IF	CITATIONS
2737	MicroRNA expression profiling in Guillain-Barré syndrome. Journal of Neuroimmunology, 2016, 301, 12-15.	1.1	9
2738	Circulating miRNAs from blood, plasma or serum as promising clinical biomarkers in oral squamous cell carcinoma: A systematic review of current findings. Oral Oncology, 2016, 63, 30-37.	0.8	34
2739	miR-21-5p renal expression is associated with fibrosis and renal survival in patients with IgA nephropathy. Scientific Reports, 2016, 6, 27209.	1.6	67
2740	Progesterone resistance in endometriosis is modulated by the altered expression of microRNA-29c and FKBP4. Journal of Clinical Endocrinology and Metabolism, 2016, 102, jc.2016-2076.	1.8	49
2741	All Roads Lead to the miRNome: miRNAs Have a Central Role in the Molecular Pathophysiology of Psychiatric Disorders. Trends in Pharmacological Sciences, 2016, 37, 1029-1044.	4.0	60
2742	General rules for functional microRNA targeting. Nature Genetics, 2016, 48, 1517-1526.	9.4	116
2743	Identification of circulating microRNAs during the liver neoplastic process in a murine model of hereditary tyrosinemia type 1. Scientific Reports, 2016, 6, 27464.	1.6	3
2744	MicroRNA-939 restricts Hepatitis B virus by targeting Jmjd3-mediated and C/EBPα-coordinated chromatin remodeling. Scientific Reports, 2016, 6, 35974.	1.6	19
2745	Regulation of SLD5 gene expression by miR-370 during acute growth of cancer cells. Scientific Reports, 2016, 6, 30941.	1.6	31
2746	Integrated analysis of microRNA and mRNA expression profiles highlights the complex and dynamic behavior of toosendanin-induced liver injury in mice. Scientific Reports, 2016, 6, 34225.	1.6	23
2747	Oncogenic p95HER2 regulates Na+–HCO3â^' cotransporter NBCn1 mRNA stability in breast cancer cells via 3′UTR-dependent processes. Biochemical Journal, 2016, 473, 4027-4044.	1.7	14
2748	DICER and DROSHA gene expression and polymorphisms in autoimmune thyroid diseases. Autoimmunity, 2016, 49, 514-522.	1.2	17
2749	Functional Analysis of Cortical Neuron Migration Using miRNA Silencing. Neuromethods, 2016, , 73-88.	0.2	0
2750	microRNA regulatory circuits in a mouse model of inherited retinal degeneration. Scientific Reports, 2016, 6, 31431.	1.6	32
2751	Identify signature regulatory network for glioblastoma prognosis by integrative mRNA and miRNA coâ€expression analysis. IET Systems Biology, 2016, 10, 244-251.	0.8	22
2752	MicroRNAs in epilepsy: pathophysiology and clinical utility. Lancet Neurology, The, 2016, 15, 1368-1376.	4.9	200
2753	Inhibition of miR-21 in glioma cells using catalytic nucleic acids. Scientific Reports, 2016, 6, 24516.	1.6	33
2754	MicroRNA-486-5p enhances hepatocellular carcinoma tumor suppression through repression of IGF-1R and its downstream mTOR, STAT3 and c-Myc. Oncology Letters, 2016, 12, 2567-2573.	0.8	66

#	Article	IF	CITATIONS
2755	The miR-130 family promotes cell migration and invasion in bladder cancer through FAK and Akt phosphorylation by regulating PTEN. Scientific Reports, 2016, 6, 20574.	1.6	102
2756	Modulation of miRNA-155 alters manganese nanoparticle-induced inflammatory response. Toxicology Research, 2016, 5, 1733-1743.	0.9	12
2757	A network-biology perspective of microRNA function and dysfunction in cancer. Nature Reviews Genetics, 2016, 17, 719-732.	7.7	579
2758	Downregulation of Potential Tumor Suppressor miR-203a by Promoter Methylation Contributes to the Invasiveness of Gastric Cardia Adenocarcinoma. Cancer Investigation, 2016, 34, 506-516.	0.6	16
2759	On cross-conditional and fluctuation correlations in competitive RNA networks. Bioinformatics, 2016, 32, i790-i797.	1.8	4
2760	Hepatic Fibrosis in Hepatitis C., 2016, , 79-108.		1
2761	Profiles of microRNA networks in intestinal epithelial cells in a mouse model of colitis. Scientific Reports, 2016, 5, 18174.	1.6	46
2762	Colorectal cancer characterization and therapeutic target prediction based on microRNA expression profile. Scientific Reports, 2016, 6, 20616.	1.6	41
2763	miR-9 and miR-124 synergistically affect regulation of dendritic branching via the AKT/GSK3 \hat{I}^2 pathway by targeting Rap2a. Scientific Reports, 2016, 6, 26781.	1.6	64
2764	Analysis of microRNA and Gene Expression Profiles in Multiple Sclerosis: Integrating Interaction Data to Uncover Regulatory Mechanisms. Scientific Reports, 2016, 6, 34512.	1.6	63
2765	Interplay between RNA interference and heat shock response systems in Drosophila melanogaster. Open Biology, 2016, 6, 160224.	1.5	9
2766	Bioinformatic Studies to Predict MicroRNAs with the Potential of Uncoupling RECK Expression from epithelial–mesenchymal Transition in Cancer Cells. Cancer Informatics, 2016, 15, CIN.S34141.	0.9	2
2767	Identifying survival-associated ceRNA clusters in cholangiocarcinoma. Oncology Reports, 2016, 36, 1542-1550.	1.2	12
2768	Decreased expression of miR-9 due to E50K OPTN mutation causes disruption of the expression of BDNF leading to RGC-5 cell apoptosis. Molecular Medicine Reports, 2016, 14, 4901-4905.	1.1	4
2769	The hibernating South American marsupial, Dromiciops gliroides, displays torpor-sensitive microRNA expression patterns. Scientific Reports, 2016, 6, 24627.	1.6	41
2770	MicroRNA-199a Targets the Fatty Acid Transport Protein 1 Gene and Inhibits the Adipogenic Trans-Differentiation of C2C12 Myoblasts. Cellular Physiology and Biochemistry, 2016, 39, 1087-1097.	1.1	17
2771	miR-15a/16 reduces retinal leukostasis through decreased pro-inflammatory signaling. Journal of Neuroinflammation, 2016, 13, 305.	3.1	53
2772	A new system for human microRNA functional evaluation and network. , 2016, , .		0

#	Article	IF	Citations
2773	The harmonizome: a collection of processed datasets gathered to serve and mine knowledge about genes and proteins. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw100.	1.4	1,085
2774	IRNdb: the database of immunologically relevant non-coding RNAs. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw138.	1.4	12
2775	Integrative exploration of genomic profiles for triple negative breast cancer identifies potential drug targets. Medicine (United States), 2016, 95, e4321.	0.4	24
2776	Increased cutaneous miR-let-7d expression correlates with small nerve fiber pathology in patients with fibromyalgia syndrome. Pain, 2016, 157, 2493-2503.	2.0	58
2777	Comprehensive RNA sequencing of healthy human endometrium at two time points of the menstrual cycle ^{<xref ref-type="fn" rid="afn2">â€</xref>} . Biology of Reproduction, 2016, 96, 24-33.	1.2	34
2778	A Two-Stage Method to Identify Joint Modules From Matched MicroRNA and mRNA Expression Data. IEEE Transactions on Nanobioscience, 2016, 15, 362-370.	2.2	10
2779	ImiRP: a computational approach to microRNA target site mutation. BMC Bioinformatics, 2016, 17, 190.	1.2	16
2780	Circulating microRNAs as a Novel Class of Potential Diagnostic Biomarkers in Neuropsychiatric Disorders. Folia Medica, 2016, 57, 159-172.	0.2	29
2781	Nucleotide specificity of the human terminal nucleotidyltransferase Gld2 (TUT2). Rna, 2016, 22, 1239-1249.	1.6	27
2782	MicroRNAs as New Bioactive Components in Medicinal Plants. Planta Medica, 2016, 82, 1153-1162.	0.7	45
2783	The Role of microRNAs in the Repeated Parallel Diversification of Lineages of Midas Cichlid Fish from Nicaragua. Genome Biology and Evolution, 2016, 8, 1543-1555.	1.1	35
2784	A structural view of microRNA–target recognition. Nucleic Acids Research, 2016, 44, e82-e82.	6.5	13
2785	Toward reliable biomarker signatures in the age of liquid biopsies - how to standardize the small RNA-Seq workflow. Nucleic Acids Research, 2016, 44, 5995-6018.	6.5	97
2786	miR-494 inhibits ovarian cancer cell proliferation and promotes apoptosis by targeting FGFR2. Oncology Letters, 2016, 11, 4245-4251.	0.8	44
2787	Nanoparticle-mediated miR200-b delivery for the treatment of diabetic retinopathy. Journal of Controlled Release, 2016, 236, 31-37.	4.8	39
2788	miR-146a Exerts Differential Effects on Melanoma Growth and Metastatization. Molecular Cancer Research, 2016, 14, 548-562.	1.5	39
2789	MicroRNA expression prediction: Regression from regulatory elements. Biocybernetics and Biomedical Engineering, 2016, 36, 89-94.	3.3	3
2790	microRNAs in the Same Clusters Evolve to Coordinately Regulate Functionally Related Genes. Molecular Biology and Evolution, 2016, 33, 2232-2247.	3.5	150

#	ARTICLE	IF	CITATIONS
2791	A Primate IncRNA Mediates Notch Signaling during Neuronal Development by Sequestering miRNA. Neuron, 2016, 90, 1174-1188.	3.8	115
2792	Hepatic expression of inflammatory genes and microRNAs in pigs with high "cholesteryl ester transfer protein―(CETP) activity. Mammalian Genome, 2016, 27, 503-510.	1.0	4
2793	The Potential Role of Amygdaloid MicroRNA-494 in Alcohol-Induced Anxiolysis. Biological Psychiatry, 2016, 80, 711-719.	0.7	39
2794	Dysregulation of miRNA-9 in a Subset of Schizophrenia Patient-Derived Neural Progenitor Cells. Cell Reports, 2016, 15, 1024-1036.	2.9	107
2795	Normalization of qPCR in platelets – <i>YWHAE</i> a potential genericreference gene. Platelets, 2016, 27, 729-734.	1.1	9
2796	Principles of microRNA Regulation Revealed Through Modeling microRNA Expression Quantitative Trait Loci. Genetics, 2016, 203, 1629-1640.	1.2	18
2797	isomiR-SEA: an RNA-Seq analysis tool for miRNAs/isomiRs expression level profiling and miRNA-mRNA interaction sites evaluation. BMC Bioinformatics, 2016, 17, 148.	1.2	45
2798	Identification of miRNA-mRNA regulatory modules by exploring collective group relationships. BMC Genomics, 2016, 17, 7.	1.2	25
2799	High-throughput discovery of post-transcriptional cis-regulatory elements. BMC Genomics, 2016, 17, 177.	1.2	41
2800	Identification and characterization of novel and conserved microRNAs in several tissues of the Chinese rare minnow (Gobiocypris rarus) based on illumina deep sequencing technology. BMC Genomics, 2016, 17, 283.	1.2	25
2801	Mmu-miR-125b overexpression suppresses NO production in activated macrophages by targeting eEF2K and CCNA2. BMC Cancer, 2016, 16, 252.	1.1	19
2802	Verification of microRNA expression in human endometrial adenocarcinoma. BMC Cancer, 2016, 16, 261.	1.1	20
2803	Epigenetic associations in relation to cardiovascular prevention and therapeutics. Clinical Epigenetics, 2016, 8, 4.	1.8	62
2804	Hydroxyurea downâ \in regulates <i>BCL11A, KLF</i> â \in <i>1</i> and <i>MYB</i> through miRNAâ \in mediated actions to induce \hat{I} 3â \in globin expression: implications for new therapeutic approaches of sickle cell disease. Clinical and Translational Medicine, 2016, 5, 15.	1.7	41
2805	A click chemistry-based microRNA maturation assay optimized for high-throughput screening. Chemical Communications, 2016, 52, 8267-8270.	2.2	30
2806	Turing Revisited: Decoding the microRNA Messages in Brain Extracellular Vesicles for Early Detection of Neurodevelopmental Disorders. Current Environmental Health Reports, 2016, 3, 188-201.	3.2	25
2807	TarPmiR: a new approach for microRNA target site prediction. Bioinformatics, 2016, 32, 2768-2775.	1.8	144
2808	Molecular mechanisms and microRNAs in osteosarcoma pathogenesis. Biochemistry (Moscow), 2016, 81, 315-328.	0.7	100

#	Article	IF	CITATIONS
2809	microRNA editing in seed region aligns with cellular changes in hypoxic conditions. Nucleic Acids Research, 2016, 44, 6298-6308.	6.5	41
2810	<i>miRâ€124</i> Contributes to the functional maturity of microglia. Developmental Neurobiology, 2016, 76, 507-518.	1.5	36
2811	ncRNA orthologies in the vertebrate lineage. Database: the Journal of Biological Databases and Curation, 2016, 2016, bav127.	1.4	19
2812	Increased miR-132-3p expression is associated with chronic neuropathic pain. Experimental Neurology, 2016, 283, 276-286.	2.0	93
2813	The Lupus Autoantigen La Prevents Mis-channeling of tRNA Fragments into the Human MicroRNA Pathway. Molecular Cell, 2016, 63, 110-124.	4.5	107
2814	Intracellular and extracellular microRNA: An update on localization and biological role. Progress in Histochemistry and Cytochemistry, 2016, 51, 33-49.	5.1	189
2815	miRNAâ€mediated crosstalk between transcripts: The missing "lincâ€?. BioEssays, 2016, 38, 295-301.	1.2	23
2816	MicroRNAs and cell cycle of malignant glioma. International Journal of Neuroscience, 2016, 126, 1-9.	0.8	27
2817	MiR-125b Functions as a Tumor Suppressor and Enhances Chemosensitivity to Cisplatin in Osteosarcoma. Technology in Cancer Research and Treatment, 2016, 15, NP105-NP112.	0.8	29
2818	Post-transcriptional and Post-translational Regulation of Steroidogenesis. , 2016, , 253-275.		2
2819	Rare germline variant (rs78378222) in the TP53 3' UTR: Evidence for a new mechanism of cancer predisposition in Li-Fraumeni syndrome. Cancer Genetics, 2016, 209, 97-106.	0.2	19
2820	Dicer and microRNA expression in multiple sclerosis and response to interferon therapy. Journal of Neuroimmunology, 2016, 292, 68-78.	1.1	29
2821	Characterization and analysis of differentially expressed microRNAs in hircine ovaries during the follicular and luteal phases. Animal Reproduction Science, 2016, 166, 47-57.	0.5	18
2822	A long non-coding RNA, BC048612 and a microRNA, miR-203 coordinate the gene expression of neuronal growth regulator 1 (NEGR1) adhesion protein. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 533-543.	1.9	17
2823	Cutting Edge: MicroRNA-223 Regulates Myeloid Dendritic Cell–Driven Th17 Responses in Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2016, 196, 1455-1459.	0.4	45
2824	Identification and comparative analysis of the oriental river prawn (Macrobrachium nipponense) microRNA expression profile during hypoxia using a deep sequencing approach. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2016, 17, 41-47.	0.4	16
2825	Expression profiling of selected microRNA signatures in plasma and tissues of Saudi colorectal cancer patients by qPCR. Oncology Letters, 2016, 11, 1406-1412.	0.8	25
2826	Targeted deletion of miR-132/-212 impairs memory and alters the hippocampal transcriptome. Learning and Memory, 2016, 23, 61-71.	0.5	93

#	Article	IF	CITATIONS
2827	CrossHub: a tool for multi-way analysis of The Cancer Genome Atlas (TCGA) in the context of gene expression regulation mechanisms. Nucleic Acids Research, 2016, 44, e62-e62.	6.5	41
2828	Regulation signature of miR-143 and miR-26 in porcine Salmonella infection identified by binding site enrichment analysis. Molecular Genetics and Genomics, 2016, 291, 789-799.	1.0	25
2829	Identification of microRNAs and microRNA targets in Xenopus gastrulae: The role of miR-26 in the regulation of Smad1. Developmental Biology, 2016, 409, 26-38.	0.9	8
2830	Prefrontal microRNA-221 Mediates Environmental Enrichment-Induced Increase of Locomotor Sensitivity to Nicotine. International Journal of Neuropsychopharmacology, 2016, 19, pyv090.	1.0	10
2831	Bioinformatic tools for microRNA dissection. Nucleic Acids Research, 2016, 44, 24-44.	6.5	182
2832	MECHANISMS IN ENDOCRINOLOGY: MicroRNA in diagnostics and therapy of thyroid cancer. European Journal of Endocrinology, 2016, 174, R89-R98.	1.9	36
2833	Small non-coding RNAs and their associated proteins in spermatogenesis. Gene, 2016, 578, 141-157.	1.0	49
2834	miR-340 impedes the progression of laryngeal squamous cell carcinoma by targeting EZH2. Gene, 2016, 577, 193-201.	1.0	32
2835	Two lung development-related microRNAs, miR-134 and miR-187, are differentially expressed in lung tumors. Gene, 2016, 577, 221-226.	1.0	23
2836	RBP-Var: a database of functional variants involved in regulation mediated by RNA-binding proteins. Nucleic Acids Research, 2016, 44, D154-D163.	6.5	52
2837	Ductal carcinoma in situ of the breast: the importance of morphologic and molecular interactions. Human Pathology, 2016, 49, 114-123.	1.1	48
2838	In silico screening of the chicken genome for overlaps between genomic regions: microRNA genes, coding and non-coding transcriptional units, QTL, and genetic variations. Chromosome Research, 2016, 24, 225-230.	1.0	2
2839	Genome-Wide Profiles of Extra-cranial Malignant Rhabdoid Tumors Reveal Heterogeneity and Dysregulated Developmental Pathways. Cancer Cell, 2016, 29, 394-406.	7.7	105
2840	The Tao survivorship of schistosomes: implications for schistosomiasis control. International Journal for Parasitology, 2016, 46, 453-463.	1.3	19
2841	Phosphorylation of Ago2 and Subsequent Inactivation of let-7a RNP-Specific MicroRNAs Control Differentiation of Mammalian Sympathetic Neurons. Molecular and Cellular Biology, 2016, 36, 1260-1271.	1.1	21
2842	Constructing an integrated genetic and epigenetic cellular network for whole cellular mechanism using high-throughput next-generation sequencing data. BMC Systems Biology, 2016, 10, 18.	3.0	21
2843	Regulation of the collagen cross-linking enzymes LOXL2 and PLOD2 by tumor-suppressive microRNA-26a/b in renal cell carcinoma. International Journal of Oncology, 2016, 48, 1837-1846.	1.4	70
2844	Rbfox proteins regulate microRNA biogenesis by sequence-specific binding to their precursors and target downstream Dicer. Nucleic Acids Research, 2016, 44, 4381-4395.	6.5	59

#	Article	IF	CITATIONS
2845	Psoriasis Skin Inflammation-Induced microRNA-26b Targets NCEH1 in Underlying Subcutaneous Adipose Tissue. Journal of Investigative Dermatology, 2016, 136, 640-648.	0.3	27
2846	In silico prediction of microRNAs on fluoride induced sperm toxicity in mice. Food and Chemical Toxicology, 2016, 98, 34-49.	1.8	18
2847	Upregulation of miR-203 and miR-210 affect growth and differentiation of keratinocytes after exposure to sulfur mustard in normoxia and hypoxia. Toxicology Letters, 2016, 244, 81-87.	0.4	20
2848	Epigenetics: It's Getting Old. Past Meets Future in Paleoepigenetics. Trends in Ecology and Evolution, 2016, 31, 290-300.	4.2	58
2849	LncDisease: a sequence based bioinformatics tool for predicting lncRNA-disease associations. Nucleic Acids Research, 2016, 44, e90-e90.	6.5	70
2850	miR-34a and bcl-2 expression in whitefish (Coregonus lavaretus) after microcystin-LR exposure. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 193, 47-56.	0.7	11
2851	Dysregulation of miRNA isoform level at $5\hat{E}^1$ end in Alzheimer's disease. Gene, 2016, 584, 167-172.	1.0	19
2852	MicroRNA-223 controls the expression of histone deacetylase 2: a novel axis in COPD. Journal of Molecular Medicine, 2016, 94, 725-734.	1.7	41
2853	A transcriptional target of androgen receptor, miR-421 regulates proliferation and metabolism of prostate cancer cells. International Journal of Biochemistry and Cell Biology, 2016, 73, 30-40.	1.2	32
2854	Identifying Disease Associated miRNAs Based on Protein Domains. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 1027-1035.	1.9	16
2855	MicroRNAs in fibrosis: opportunities and challenges. Arthritis Research and Therapy, 2016, 18, 11.	1.6	139
2856	MiRTDL: A Deep Learning Approach for miRNA Target Prediction. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 1161-1169.	1.9	61
2857	Circulating MicroRNA223 is a New Biomarker for Inflammatory Bowel Disease. Medicine (United) Tj ETQq0 0 0 rg	BT/Overlo 0.4	ck 10 Tf 50 2
2858	The role of microRNAs in metal carcinogen-induced cell malignant transformation and tumorigenesis. Food and Chemical Toxicology, 2016, 98, 58-65.	1.8	46
2859	MicroRNA Regulation of Atherosclerosis. Circulation Research, 2016, 118, 703-720.	2.0	502
2860	Cardiac Regeneration and microRNAs: Regulators of Pluripotency, Reprogramming, and Cardiovascular Lineage Commitment. Pancreatic Islet Biology, 2016, , 79-109.	0.1	0
2861	The RNase PARN-1 Trims piRNA 3′ Ends to Promote Transcriptome Surveillance in C.Âelegans. Cell, 2016, 164, 974-984.	13.5	121
2862	The Emerging Function and Mechanism of ceRNAs in Cancer. Trends in Genetics, 2016, 32, 211-224.	2.9	164

#	Article	IF	CITATIONS
2863	Peripubertal Stress With Social Support Promotes Resilience in the Face of Aging. Endocrinology, 2016, 157, 2002-2014.	1.4	18
2864	MicroRNA and gene expression changes in unruptured human cerebral aneurysms. Journal of Neurosurgery, 2016, 125, 1390-1399.	0.9	38
2865	The functional consequences of age-related changes in microRNA expression in skeletal muscle. Biogerontology, 2016, 17, 641-654.	2.0	54
2866	Implications of the Interaction Between miRNAs and Autophagy in Osteoporosis. Calcified Tissue International, 2016, 99, 1-12.	1.5	24
2867	microRNAs in Cancer Chemoprevention: Method to Isolate Them from Fresh Tissues. Methods in Molecular Biology, 2016, 1379, 21-29.	0.4	0
2868	MiR-221-inhibited adipose tissue-derived mesenchymal stem cells bioengineered in a nano-hydroxy apatite scaffold. In Vitro Cellular and Developmental Biology - Animal, 2016, 52, 479-487.	0.7	27
2869	MicroRNA-155 expression inversely correlates with pathologic stage of gastric cancer and it inhibits gastric cancer cell growth by targeting cyclin D1. Journal of Cancer Research and Clinical Oncology, 2016, 142, 1201-1212.	1.2	18
2870	Original Research: Stable expression of miR-34a mediates fetal hemoglobin induction in K562 cells. Experimental Biology and Medicine, 2016, 241, 719-729.	1.1	25
2871	Integrative analysis of microRNA and mRNA expression profiles in non-small-cell lung cancer. Cancer Gene Therapy, 2016, 23, 90-97.	2.2	43
2872	A new plasmid-based microRNA inhibitor system that inhibits microRNA families in transgenic mice and cells: a potential new therapeutic reagent. Gene Therapy, 2016, 23, 527-542.	2.3	32
2873	The tumor-suppressive and potential therapeutic functions of miR-34a in epithelial carcinomas. Expert Opinion on Therapeutic Targets, 2016, 20, 737-753.	1.5	82
2874	miR-26b-3p Regulates Human Umbilical Cord-Derived Mesenchymal Stem Cell Proliferation by Targeting Estrogen Receptor. Stem Cells and Development, 2016, 25, 415-426.	1.1	11
2875	TauCstF-64 Mediates Correct mRNA Polyadenylation and Splicing of Activator and Repressor Isoforms of the Cyclic AMP-Responsive Element Modulator (CREM) in Mouse Testis1. Biology of Reproduction, 2016, 94, 34.	1.2	16
2876	Molecular mechanisms of microRNAs in regulating epithelial–mesenchymal transitions in human cancers. Cancer Letters, 2016, 371, 301-313.	3.2	53
2877	Inhibition of miR-15b decreases cell migration and metastasis in colorectal cancer. Tumor Biology, 2016, 37, 8765-8773.	0.8	47
2878	MicroRNA-378-mediated suppression of Runx1 alleviates the aggressive phenotype of triple-negative MDA-MB-231 human breast cancer cells. Tumor Biology, 2016, 37, 8825-8839.	0.8	41
2879	Identification of MLL-fusion/MYC⊣miR-26⊣TET1 signaling circuit in MLL-rearranged leukemia. Cancer Letters, 2016, 372, 157-165.	3.2	25
2880	miR-137 Regulates the Tumorigenicity of Colon Cancer Stem Cells through the Inhibition of DCLK1. Molecular Cancer Research, 2016, 14, 354-362.	1.5	73

#	Article	IF	CITATIONS
2881	Functions of microRNA-33a/b and microRNA therapeutics. Journal of Cardiology, 2016, 67, 28-33.	0.8	37
2882	MicroRNA-34a Negatively Regulates Efferocytosis by Tissue Macrophages in Part via SIRT1. Journal of Immunology, 2016, 196, 1366-1375.	0.4	35
2883	MicroRNA Profiles of Barrett's Esophagus and Esophageal Adenocarcinoma: Differences in Glandular Non-native Epithelium. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 429-437.	1.1	33
2884	Deep sequencing of small RNA libraries from human prostate epithelial and stromal cells reveal distinct pattern of microRNAs primarily predicted to target growth factors. Cancer Letters, 2016, 371, 262-273.	3.2	5
2885	Comparison of liver microRNA transcriptomes of Tibetan and Yorkshire pigs by deep sequencing. Gene, 2016, 577, 244-250.	1.0	19
2886	Systematic dissection of dysregulated transcription factor–miRNA feed-forward loops across tumor types. Briefings in Bioinformatics, 2016, 17, 996-1008.	3.2	54
2887	Expression of microRNAs in human post-mortem amyotrophic lateral sclerosis spinal cords provides insight into disease mechanisms. Molecular and Cellular Neurosciences, 2016, 71, 34-45.	1.0	76
2888	Muscle-specific microRNAs in skeletal muscle development. Developmental Biology, 2016, 410, 1-13.	0.9	389
2889	miR-34a Silences c-SRC to Attenuate Tumor Growth in Triple-Negative Breast Cancer. Cancer Research, 2016, 76, 927-939.	0.4	128
2890	Non-coding RNAs as modulators of the cardiac fibroblast phenotype. Journal of Molecular and Cellular Cardiology, 2016, 92, 75-81.	0.9	41
2892	miR-17 is involved in Japanese Flounder (Paralichthys olivaceus) development by targeting the Cdc42 mRNA. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 191, 163-170.	0.7	10
2893	Identifying miRNA synergistic regulatory networks in heterogeneous human data via network motifs. Molecular BioSystems, 2016, 12, 454-463.	2.9	9
2894	Host MicroRNA miR-197 Plays a Negative Regulatory Role in the Enterovirus 71 Infectious Cycle by Targeting the RAN Protein. Journal of Virology, 2016, 90, 1424-1438.	1.5	46
2895	Posttranscriptional Modulation of Sox2 Activity by miRNAs. , 2016, , 43-71.		0
2896	The impact of microRNA gene regulation on the survival and function of mature cell types in the eye. FASEB Journal, 2016, 30, 23-33.	0.2	39
2897	Roles of competing endogenous RNAs in gastric cancer. Briefings in Functional Genomics, 2016, 15, 266-273.	1.3	18
2898	rVarBase: an updated database for regulatory features of human variants. Nucleic Acids Research, 2016, 44, D888-D893.	6.5	45
2899	Modern Transcriptomics and Small RNA Diversity. , 2016, , 39-57.		1

#	Article	IF	CITATIONS
2900	MicroRNA as biomarkers of mitochondrial toxicity. Toxicology and Applied Pharmacology, 2016, 312, 26-33.	1.3	14
2901	miR-449a enhances radiosensitivity through modulating pRb/E2F1 in prostate cancer cells. Tumor Biology, 2016, 37, 4831-4840.	0.8	29
2902	MicroRNAs in Parasitic Helminthiases: Current Status and Future Perspectives. Trends in Parasitology, 2016, 32, 71-86.	1.5	69
2903	Decreased MicroRNA-26a expression causes cisplatin resistance in human non-small cell lung cancer. Cancer Biology and Therapy, 2016, 17, 515-525.	1.5	38
2904	Prognostic significance of NPM1 mutation-modulated microRNAâ^mRNA regulation in acute myeloid leukemia. Leukemia, 2016, 30, 274-284.	3.3	24
2905	Regulatory RNAs and control of epigenetic mechanisms: expectations for cognition and cognitive dysfunction. Epigenomics, 2016, 8, 135-151.	1.0	55
2906	Systems Biology Approaches to the Study of Biological Networks Underlying Alzheimer's Disease: Role of miRNAs. Methods in Molecular Biology, 2016, 1303, 349-377.	0.4	19
2907	MicroRNAs as regulators of metabolic disease: pathophysiologic significance and emerging role as biomarkers and therapeutics. International Journal of Obesity, 2016, 40, 88-101.	1.6	262
2908	Systematic integration of molecular profiles identifies miR-22 as a regulator of lipid and folate metabolism in breast cancer cells. Oncogene, 2016, 35, 2766-2776.	2.6	62
2909	MicroRNA-21 is a potential link between non-alcoholic fatty liver disease and hepatocellular carcinoma via modulation of the HBP1-p53-Srebp1c pathway. Gut, 2016, 65, 1850-1860.	6.1	162
2910	Targeted Stage-Specific Inflammatory microRNA Profiling in Urine During Disease Progression in Experimental Autoimmune Encephalomyelitis: Markers of Disease Progression and Drug Response. Journal of NeuroImmune Pharmacology, 2016, 11, 84-97.	2.1	39
2911	A Novel Method to Detect Functional microRNA Regulatory Modules by Bicliques Merging. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 549-556.	1.9	119
2912	Circulating microRNA Signatures in Rodent Models of Pain. Molecular Neurobiology, 2016, 53, 3416-3427.	1.9	26
2913	Phytochemical regulation of the tumor suppressive microRNA, miR-34a, by p53-dependent and independent responses in human breast cancer cells. Molecular Carcinogenesis, 2016, 55, 486-498.	1.3	51
2914	Computational identification and characterization of miRNAs and their target genes from five cyprinidae fishes. Saudi Journal of Biological Sciences, 2017, 24, 1126-1135.	1.8	7
2915	Compartmentalization of functions and predicted miRNA regulation among contiguous regions of the nematode intestine. RNA Biology, 2017, 14, 1335-1352.	1.5	11
2916	Increased microRNA-323-3p in IL-22/IL-17-producing T cells and asthma: a role in the regulation of the TGF- \hat{l}^2 pathway and IL-22 production. Allergy: European Journal of Allergy and Clinical Immunology, 2017, 72, 55-65.	2.7	48
2917	MicroRNA Control of p53. Journal of Cellular Biochemistry, 2017, 118, 7-14.	1.2	115

#	ARTICLE	IF	Citations
2918	cel-mir-237 and its homologue, hsa-miR-125b, modulate the cellular response to ionizing radiation. Oncogene, 2017, 36, 512-524.	2.6	20
2919	Regulation of metastasis-promoting LOXL2 gene expression by antitumor microRNAs in prostate cancer. Journal of Human Genetics, 2017, 62, 123-132.	1.1	26
2920	First characterization and validation of turbot microRNAs. Aquaculture, 2017, 472, 76-83.	1.7	18
2921	miRNA expression profiling of cerebrospinal fluid in patients with aneurysmal subarachnoid hemorrhage. Journal of Neurosurgery, 2017, 126, 1131-1139.	0.9	55
2922	The Expression of microRNA-223 and FAM5C in Cerebral Infarction Patients with Diabetes Mellitus. Cardiovascular Toxicology, 2017, 17, 42-48.	1.1	18
2923	MicroRNAs in hepatic pathophysiology. Hepatology Research, 2017, 47, 60-69.	1.8	53
2924	MicroRNAs in extracellular vesicles: potential cancer biomarkers. Journal of Human Genetics, 2017, 62, 67-74.	1.1	102
2925	Mammalian microRNAs and long noncoding RNAs in the host-bacterial pathogen crosstalk. Seminars in Cell and Developmental Biology, 2017, 65, 11-19.	2.3	87
2926	Nutrition, microRNAs, and Human Health. Advances in Nutrition, 2017, 8, 105-112.	2.9	143
2927	Secretory pathway optimization of CHO producer cells by co-engineering of the mitosRNA-1978 target genes CerS2 and Tbc1D20. Metabolic Engineering, 2017, 40, 69-79.	3.6	22
2928	Diet, gonadal sex, and sex chromosome complement influence white adipose tissue miRNA expression. BMC Genomics, 2017, 18, 89.	1.2	40
2929	MicroRNA expression patterns and signalling pathways in the development and progression of childhood solid tumours. Molecular Cancer, 2017, 16, 15.	7.9	106
2930	Polymorphisms in genes encoding miR-155 and miR-146a are associated with protection to type 1 diabetes mellitus. Acta Diabetologica, 2017, 54, 433-441.	1.2	47
2931	MicroRNA annotation of plant genomes â^' Do it right or not at all. BioEssays, 2017, 39, 1600113.	1.2	50
2932	Amplified 7q21â€22 gene <i>MCM7</i> and its intronic miRâ€25 suppress <i>COL1A2</i> associated genes to sustain intestinal gastric cancer features. Molecular Carcinogenesis, 2017, 56, 1590-1602.	1.3	26
2933	Hepatic MiR-291b-3p Mediated Clucose Metabolism by Directly Targeting p65 to Upregulate PTEN Expression. Scientific Reports, 2017, 7, 39899.	1.6	18
2934	<i>MIR7–3HG</i> , a MYC-dependent modulator of cell proliferation, inhibits autophagy by a regulatory loop involving AMBRA1. Autophagy, 2017, 13, 554-566.	4.3	38
2935	Genome-wide association study with additional genetic and post-transcriptional analyses reveals novel regulators of plasma factor XI levels. Human Molecular Genetics, 2017, 26, ddw401.	1.4	35

#	Article	IF	CITATIONS
2936	MicroRNAs and the metabolic hallmarks of aging. Molecular and Cellular Endocrinology, 2017, 455, 131-147.	1.6	51
2937	Inhibition of fat cell differentiation in 3T3-L1 pre-adipocytes by all-trans retinoic acid: Integrative analysis of transcriptomic and phenotypic data. Biomolecular Detection and Quantification, 2017, 11, 31-44.	7.0	9
2938	Combined <scp>miRNA</scp> profiling and proteomics demonstrates that different <scp>miRNAs</scp> target a common set of proteins to promote colorectal cancer metastasis. Journal of Pathology, 2017, 242, 39-51.	2.1	37
2939	Knockdown of MicroRNA Let-7a Improves the Functionality of Bone Marrow-Derived Mesenchymal Stem Cells in Immunotherapy. Molecular Therapy, 2017, 25, 480-493.	3.7	38
2940	The design of rapid MicroRNA detection system. Proceedings of SPIE, 2017, , .	0.8	0
2941	MicroRNA Biomarkers and Platelet Reactivity. Circulation Research, 2017, 120, 418-435.	2.0	171
2942	Micro <scp>RNA</scp> â€125a promotes resistance to <scp>BRAF</scp> inhibitors through suppression of the intrinsic apoptotic pathway. Pigment Cell and Melanoma Research, 2017, 30, 328-338.	1.5	34
2943	MicroRNA-21 contributes to suppress cytokines production by targeting TLR28 in teleost fish. Molecular Immunology, 2017, 83, 107-114.	1.0	41
2944	Shift of microRNA profile upon glioma cell migration using patient-derived spheroids and serum-free conditions. Journal of Neuro-Oncology, 2017, 132, 45-54.	1.4	14
2945	MiRNAs in Malignant Melanoma. , 2017, , 119-175.		0
2945 2946	MiRNAs in Malignant Melanoma. , 2017, , 119-175. miR-27b inhibits fibroblast activation via targeting TGFβ signaling pathway. BMC Cell Biology, 2017, 18, 9.	3.0	35
		3.0	
2946	miR-27b inhibits fibroblast activation via targeting TGFβ signaling pathway. BMC Cell Biology, 2017, 18, 9. MicroRNAâ€independent functions of DGCR8 are essential for neocortical development and TBR1		35
2946 2947	miR-27b inhibits fibroblast activation via targeting TGFβ signaling pathway. BMC Cell Biology, 2017, 18, 9. MicroRNAâ€independent functions of DGCR8 are essential for neocortical development and TBR1 expression. EMBO Reports, 2017, 18, 603-618. Curcumin inhibits cancer progression through regulating expression of microRNAs. Tumor Biology,	2.0	35 47
2946 2947 2948	miR-27b inhibits fibroblast activation via targeting TGFβ signaling pathway. BMC Cell Biology, 2017, 18, 9. MicroRNAâ€independent functions of DGCR8 are essential for neocortical development and TBR1 expression. EMBO Reports, 2017, 18, 603-618. Curcumin inhibits cancer progression through regulating expression of microRNAs. Tumor Biology, 2017, 39, 101042831769168. Purified Streptococcus pneumoniae Endopeptidase O (PepO) Enhances Particle Uptake by Macrophages	2.0	35 47 48
2946 2947 2948 2949	miR-27b inhibits fibroblast activation via targeting TGFβ signaling pathway. BMC Cell Biology, 2017, 18, 9. MicroRNAâ€independent functions of DGCR8 are essential for neocortical development and TBR1 expression. EMBO Reports, 2017, 18, 603-618. Curcumin inhibits cancer progression through regulating expression of microRNAs. Tumor Biology, 2017, 39, 101042831769168. Purified Streptococcus pneumoniae Endopeptidase O (PepO) Enhances Particle Uptake by Macrophages in a Toll-Like Receptor 2- and miR-155-Dependent Manner. Infection and Immunity, 2017, 85, . SARS-CoV-Encoded Small RNAs Contribute to Infection-Associated Lung Pathology. Cell Host and	2.0 0.8	35 47 48 18
2946 2947 2948 2949 2950	miR-27b inhibits fibroblast activation via targeting TGFβ signaling pathway. BMC Cell Biology, 2017, 18, 9. MicroRNAâ€independent functions of DGCR8 are essential for neocortical development and TBR1 expression. EMBO Reports, 2017, 18, 603-618. Curcumin inhibits cancer progression through regulating expression of microRNAs. Tumor Biology, 2017, 39, 101042831769168. Purified Streptococcus pneumoniae Endopeptidase O (PepO) Enhances Particle Uptake by Macrophages in a Toll-Like Receptor 2- and miR-155-Dependent Manner. Infection and Immunity, 2017, 85, . SARS-CoV-Encoded Small RNAs Contribute to Infection-Associated Lung Pathology. Cell Host and Microbe, 2017, 21, 344-355. MicroRNA-381 inhibits the metastasis of gastric cancer by targeting TMEM16A expression. Journal of	2.0 0.8 1.0 5.1	35 47 48 18 97

#	Article	IF	CITATIONS
2954	Regulation of Embryonic Stem Cell Self-Renewal and Differentiation by MicroRNAs. Cellular Reprogramming, 2017, 19, 150-158.	0.5	16
2955	Human Cytomegalovirus MicroRNAs miR-US5-1 and miR-UL112-3p Block Proinflammatory Cytokine Production in Response to NF-κB-Activating Factors through Direct Downregulation of IKKα and IKKβ. MBio, 2017, 8, .	1.8	48
2956	MicroRNAs as Novel Biomarkers for the Diagnosis and Prognosis of Mild and Severe Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 1948-1956.	1.7	147
2957	High fat diet and associated changes in the expression of microâ€RNA <scp>s</scp> in tissue: Lessons learned from animal studies. Molecular Nutrition and Food Research, 2017, 61, 1600943.	1.5	13
2958	MiR-26a enhances invasive capacity by suppressing $GSK3\hat{1}^2$ in human lung cancer cells. Experimental Cell Research, 2017, 352, 364-374.	1.2	31
2959	Inducible microRNA-214 contributes to the suppression of NF-κB-mediated inflammatory response via targeting myd88 gene in fish. Journal of Biological Chemistry, 2017, 292, 5282-5290.	1.6	73
2960	MicroRNA-3570 Modulates the NF-κB Pathway in Teleost Fish by Targeting MyD88. Journal of Immunology, 2017, 198, 3274-3282.	0.4	81
2961	Application of Spectral Crosstalk Correction for Improving Multiplexed MicroRNA Detection Using a Single Excitation Wavelength. Analytical Chemistry, 2017, 89, 3430-3436.	3.2	44
2962	The Influence of Extracellular RNA on Cell Behavior in Health, Disease, and Regeneration. Current Pathobiology Reports, 2017, 5, 13-22.	1.6	6
2963	MicroRNAs 223-3p and 93-5p in patients with chronic kidney disease before and after renal transplantation. Bone, 2017, 95, 115-123.	1.4	57
2964	Biogenesis and Function of Ago-Associated RNAs. Trends in Genetics, 2017, 33, 208-219.	2.9	104
2965	MicroRNA-302a targets GAB2 to suppress cell proliferation, migration and invasion of glioma. Oncology Reports, 2017, 37, 1159-1167.	1.2	16
2966	Identifying survival-associated modules from the dysregulated triplet network in glioblastoma multiforme. Journal of Cancer Research and Clinical Oncology, 2017, 143, 661-671.	1.2	24
2967	Role of microRNAs in sepsis. Inflammation Research, 2017, 66, 553-569.	1.6	74
2968	Decreased miR-146a expression in acute ischemic stroke directly targets the Fbxl10 mRNA and is involved in modulating apoptosis. Neurochemistry International, 2017, 107, 156-167.	1.9	41
2969	MicroRNAs: effective elements in ear-related diseases and hearing loss. European Archives of Oto-Rhino-Laryngology, 2017, 274, 2373-2380.	0.8	34
2970	miRNAs associated with immune response in teleost fish. Developmental and Comparative Immunology, 2017, 75, 77-85.	1.0	119
2971	Lipid Nanoparticle–Mediated Delivery of Anti-miR-17 Family Oligonucleotide Suppresses Hepatocellular Carcinoma Growth. Molecular Cancer Therapeutics, 2017, 16, 905-913.	1.9	19

#	Article	IF	CITATIONS
2972	The Role of microRNA Expression in Cortical Development During Conversion to Psychosis. Neuropsychopharmacology, 2017, 42, 2188-2195.	2.8	12
2973	CDK3 is a major target of miR-150 in cell proliferation and anti-cancer effect. Experimental and Molecular Pathology, 2017, 102, 181-190.	0.9	8
2974	RNA-based recognition and targeting: sowing the seeds of specificity. Nature Reviews Molecular Cell Biology, 2017, 18, 215-228.	16.1	167
2975	Bioinformatics prediction and experimental validation of microRNA-20a targeting Cyclin D1 in hepatocellular carcinoma. Tumor Biology, 2017, 39, 101042831769836.	0.8	22
2976	Impact of microRNA dynamics on cancer hallmarks: An oral cancer scenario. Tumor Biology, 2017, 39, 101042831769592.	0.8	54
2977	The miRNA as human cell gene activity regulator after ionizing radiation. Russian Journal of Genetics, 2017, 53, 285-296.	0.2	5
2978	MicroRNA-26a targets MAPK6 to inhibit smooth muscle cell proliferation and vein graft neointimal hyperplasia. Scientific Reports, 2017, 7, 46602.	1.6	34
2979	Whole blood sequencing reveals circulating microRNA associations with high-risk traits in non-ST-segment elevation acute coronary syndrome. Atherosclerosis, 2017, 261, 19-25.	0.4	25
2980	Specific microRNA–mRNA Regulatory Network of Colon Cancer Invasion Mediated by Tissue Kallikrein–Related Peptidase 6. Neoplasia, 2017, 19, 396-411.	2.3	27
2981	Systematic characterization of A-to-I RNA editing hotspots in microRNAs across human cancers. Genome Research, 2017, 27, 1112-1125.	2.4	144
2982	Identification of circulating miRNA involved in meat yield of Korean cattle. Cell Biology International, 2017, 41, 761-768.	1.4	4
2983	Relationship between the Pathogenesis of Glaucoma and miRNA. Ophthalmic Research, 2017, 57, 194-199.	1.0	37
2984	Dual signal amplification strategy for specific detection of Circulating microRNAs based on Thioflavin T. Sensors and Actuators B: Chemical, 2017, 249, 1-7.	4.0	18
2985	Absence of miR-182 Augments Cardiac Allograft Survival. Transplantation, 2017, 101, 524-530.	0.5	15
2986	miR-375 Regulates Invasion-Related Proteins Vimentin and L-Plastin. American Journal of Pathology, 2017, 187, 1523-1536.	1.9	11
2987	Tipping the balance of RNA stability by $3\hat{a}\in^2$ editing of the transcriptome. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2971-2979.	1.1	22
2988	Defining the momiome: Promiscuous information transfer by mobile mitochondria and the mitochondrial genome. Seminars in Cancer Biology, 2017, 47, 1-17.	4.3	40
2989	Identification of plasma microRNAs as new potential biomarkers with high diagnostic power in human cutaneous melanoma. Tumor Biology, 2017, 39, 101042831770164.	0.8	45

#	Article	IF	CITATIONS
2990	A new insight on reciprocal relationship between microRNA expression and epigenetic modifications in human lung cancer. Tumor Biology, 2017, 39, 101042831769503.	0.8	19
2991	MicroRNA-34 dysregulation in gastric cancer and gastric cancer stem cell. Tumor Biology, 2017, 39, 101042831770165.	0.8	32
2992	MicroRNA-223 demonstrated experimentally in exosome-like vesicles is associated with decreased risk of persistent pain after lumbar disc herniation. Journal of Translational Medicine, 2017, 15, 89.	1.8	31
2993	Changes in high-density lipoprotein-carried miRNA contribution to the plasmatic pool after consumption of dietarytransfat in healthy men. Epigenomics, 2017, 9, 669-688.	1.0	21
2994	Digital analysis and epigenetic regulation of the signature of rejection in colorectal cancer. Oncolmmunology, 2017, 6, e1288330.	2.1	11
2995	Approaches for the Discovery of Small Molecule Ligands Targeting microRNAs. Topics in Medicinal Chemistry, 2017, , 79-110.	0.4	12
2996	MicroRNA expression profiling defines the impact of electronic cigarettes on human airway epithelial cells. Scientific Reports, 2017, 7, 1081.	1.6	51
2997	Overexpression of hsa-miR-939 follows by NGFR down-regulation and apoptosis reduction. Journal of Biosciences, 2017, 42, 23-30.	0.5	5
2998	miR-455-5p functions as a potential oncogene by targeting galectin-9 in colon cancer. Oncology Letters, 2017, 13, 1958-1964.	0.8	23
2999	Recent advances in understanding the role of miRNAs in exosomes and their therapeutic potential. Journal of Integrative Agriculture, 2017, 16, 753-761.	1.7	6
3000	Cleavage and polyadenylation: Ending the message expands gene regulation. RNA Biology, 2017, 14, 865-890.	1.5	106
3001	microRNAs: Emerging players in oral cancers and inflammatory disorders. Tumor Biology, 2017, 39, 101042831769837.	0.8	20
3002	miR-30c is specifically repressed in patients with active pulmonary tuberculosis. Tuberculosis, 2017, 105, 73-79.	0.8	8
3003	miR-153 enhances the therapeutic effect of gemcitabine by targeting Snail in pancreatic cancer. Acta Biochimica Et Biophysica Sinica, 2017, 49, 520-529.	0.9	20
3004	Plant Non-coding RNAs and the New Paradigms. RNA Technologies, 2017, , 163-182.	0.2	1
3005	Low-level lasers on microRNA and uncoupling protein 2 mRNA levels in human breast cancer cells. Laser Physics, 2017, 27, 065601.	0.6	1
3006	miRNAs associated with prostate cancer risk and progression. BMC Urology, 2017, 17, 18.	0.6	79
3007	Predicting Functional MicroRNA-mRNA Interactions. Methods in Molecular Biology, 2017, 1580, 117-126.	0.4	13

#	ARTICLE	IF	Citations
3008	An Assessment of the Next Generation of Animal miRNA Target Prediction Algorithms. Methods in Molecular Biology, 2017, 1580, 175-191.	0.4	2
3009	Prediction of miRNA–mRNA Interactions Using miRGate. Methods in Molecular Biology, 2017, 1580, 225-237.	0.4	17
3010	MicroRNAs, Regulatory Networks, and Comorbidities: Decoding Complex Systems. Methods in Molecular Biology, 2017, 1580, 281-295.	0.4	2
3011	Interrogation of Functional miRNA–Target Interactions by CRISPR/Cas9 Genome Engineering. Methods in Molecular Biology, 2017, 1580, 79-97.	0.4	7
3012	Hepatic ELOVL6 mRNA is regulated by the gga-miR-22-3p in egg-laying hen. Gene, 2017, 623, 72-79.	1.0	14
3013	Salivary miR-16, miR-191 and miR-223: intuitive indicators of dominant ovarian follicles in buffaloes. Molecular Genetics and Genomics, 2017, 292, 935-953.	1.0	8
3014	Improving prediction accuracy using decision-tree-based meta-strategy and multi-threshold sequential-voting exemplified by miRNA target prediction. Genomics, 2017, 109, 227-232.	1.3	7
3015	Identification and profiling of Cyprinus carpio microRNAs during ovary differentiation by deep sequencing. BMC Genomics, 2017, 18, 333.	1.2	42
3016	MicroRNAs are involved in the toxicity of microcystins. Toxin Reviews, 2017, 36, 165-175.	1.5	17
3017	MicroRNAs in bone diseases. Osteoporosis International, 2017, 28, 1191-1213.	1.3	75
3018	Recent scenario of microRNA as diagnostic and prognostic biomarkers of prostate cancer. Urologic Oncology: Seminars and Original Investigations, 2017, 35, 92-101.	0.8	35
3019	Identification of microRNA precursors using reduced and hybrid features. Molecular BioSystems, 2017, 13, 1640-1645.	2.9	8
3020	Epigenetic Biomarkers and Cardiovascular Disease: Circulating MicroRNAs. Revista Espanola De Cardiologia (English Ed), 2017, 70, 763-769.	0.4	17
3021	The role of epigenetics in renal ageing. Nature Reviews Nephrology, 2017, 13, 471-482.	4.1	86
3022	The Interplay of MicroRNAs in the Inflammatory Mechanisms Following Ischemic Stroke. Journal of Neuropathology and Experimental Neurology, 2017, 76, 548-561.	0.9	61
3024	The microRNA machinery regulates fasting-induced changes in gene expression and longevity in Caenorhabditis elegans. Journal of Biological Chemistry, 2017, 292, 11300-11309.	1.6	27
3025	A multiplex sensitive quantification of microRNAs based on competitive PCR. Biotechnology and Bioprocess Engineering, 2017, 22, 95-99.	1.4	4
3026	miR-142-5p regulates tumor cell PD-L1 expression and enhances anti-tumor immunity. Biochemical and Biophysical Research Communications, 2017, 488, 425-431.	1.0	133

#	Article	IF	CITATIONS
3027	Identification of a plasma mi <scp>RNA</scp> biomarker signature for allergic asthma: A translational approach. Allergy: European Journal of Allergy and Clinical Immunology, 2017, 72, 1962-1971.	2.7	51
3028	Interaction between miR-572 and PPP2R2C, and their effects on the proliferation, migration, and invasion of nasopharyngeal carcinoma (NPC) cells. Biochemistry and Cell Biology, 2017, 95, 578-584.	0.9	13
3029	Epigenetic Mechanisms of Gene Regulation in Amyotrophic Lateral Sclerosis. Advances in Experimental Medicine and Biology, 2017, 978, 255-275.	0.8	35
3030	Role of G3BP1 in glucocorticoid receptor-mediated microRNA-15b and microRNA-23a biogenesis in endothelial cells. Cellular and Molecular Life Sciences, 2017, 74, 3613-3630.	2.4	12
3031	A MicroRNA/Ubiquitin Ligase Feedback Loop Regulates Slug-Mediated Invasion in Breast Cancer. Neoplasia, 2017, 19, 483-495.	2.3	27
3032	LAMC1 mRNA promotes malignancy of hepatocellular carcinoma cells by competing for MicroRNAâ€124 binding with CD151. IUBMB Life, 2017, 69, 595-605.	1.5	18
3033	MicroRNAs in Parkinson's disease. Experimental Brain Research, 2017, 235, 2359-2374.	0.7	68
3034	DNA Repair, Overview. , 2017, , 693-705.		0
3035	miRnalyze: an interactive database linking tool to unlock intuitive microRNA regulation of cell signaling pathways. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	1.4	13
3036	Gene co-expression network analysis for identifying modules and functionally enriched pathways in SCA2. Human Molecular Genetics, 2017, 26, 3069-3080.	1.4	40
3037	MicroRNA-101-2-5p targets the <i>ApoB</i> gene in the liver of chicken (<i>Gallus Gallus</i>). Genome, 2017, 60, 673-678.	0.9	17
3038	Importance of DNA methylation in the inheritance of radiation-induced aberrant expression of microRNA. Russian Journal of Genetics, 2017, 53, 551-560.	0.2	1
3039	MicroRNAs as Key Effectors in the p53 Network. International Review of Cell and Molecular Biology, 2017, 333, 51-90.	1.6	34
3040	Gene and Cell Doping: The New Frontier - Beyond Myth or Reality. Medicine and Sport Science, 2017, 62, 91-106.	1.4	15
3041	Inferring miRNA sponge co-regulation of protein-protein interactions in human breast cancer. BMC Bioinformatics, 2017, 18, 243.	1.2	20
3042	In Silico Prediction and Validation of Gfap as an miR-3099 Target in Mouse Brain. Neuroscience Bulletin, 2017, 33, 373-382.	1,5	9
3043	miR-4728-3p Functions as a Tumor Suppressor in Ulcerative Colitis-associated Colorectal Neoplasia Through Regulation of Focal Adhesion Signaling. Inflammatory Bowel Diseases, 2017, 23, 1328-1337.	0.9	22
3044	Excretory/secretory products from the gastrointestinal nematode Trichuris muris. Experimental Parasitology, 2017, 178, 30-36.	0.5	49

#	ARTICLE	IF	CITATIONS
3045	The microRNA miR-31 inhibits CD8+ T cell function in chronic viral infection. Nature Immunology, 2017, 18, 791-799.	7.0	64
3046	Drugging the pain epigenome. Nature Reviews Neurology, 2017, 13, 434-447.	4.9	64
3047	Translation initiation factor eIF4G1 preferentially binds yeast transcript leaders containing conserved oligo-uridine motifs. Rna, 2017, 23, 1365-1375.	1.6	32
3048	MicroRNA-101 in the ventrolateral orbital cortex (VLO) modulates depressive-like behaviors in rats and targets dual-specificity phosphatase 1 (DUSP1). Brain Research, 2017, 1669, 55-62.	1.1	30
3049	Identification of direct target genes of miR-7, miR-9, miR-96, and miR-182 in the human breast cancer cell lines MCF-7 and MDA-MB-231. Molecular and Cellular Probes, 2017, 34, 45-52.	0.9	41
3050	Sperm RNA and Its Use as a Clinical Marker. , 2017, , 59-72.		2
3051	MicroTarget: MicroRNA target gene prediction approach with application to breast cancer. Journal of Bioinformatics and Computational Biology, 2017, 15, 1750013.	0.3	5
3052	Computational Prediction of MicroRNA Target Genes, Target Prediction Databases, and Web Resources. Methods in Molecular Biology, 2017, 1617, 109-122.	0.4	28
3053	Estrogen and Alzheimer's disease: Still an attractive topic despite disappointment from early clinical results. European Journal of Pharmacology, 2017, 817, 51-58.	1.7	74
3054	MicroRNAs, Long Noncoding RNAs, and Their Functions in Human Disease. Methods in Molecular Biology, 2017, 1617, 1-25.	0.4	115
3055	Genomic Regulation of MicroRNA Expression in Disease Development. Methods in Molecular Biology, 2017, 1617, 159-167.	0.4	1
3056	The regulatory role of miRNAs on VDR in breast cancer. Transcription, 2017, 8, 232-241.	1.7	22
3057	Exosome miR-371b-5p promotes proliferation of lung alveolar progenitor type II cells by using PTEN to orchestrate the PI3K/Akt signaling. Stem Cell Research and Therapy, 2017, 8, 138.	2.4	43
3058	Deciphering the role of microRNA – A step by step guide. Gene Expression Patterns, 2017, 25-26, 59-65.	0.3	3
3059	microRNA inhibitors: Natural and artificial sequestration of microRNA. Cancer Letters, 2017, 407, 139-147.	3.2	46
3060	A sketch of known and novel MYCN-associated miRNA networks in neuroblastoma. Oncology Reports, 2017, 38, 3-20.	1.2	24
3061	Molecular Mechanisms of Amyotrophic Lateral Sclerosis. , 2017, , 61-99.		6
3062	Improving biocuration of microRNAs in diseases: a case study in idiopathic pulmonary fibrosis. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	1.4	4

#	Article	IF	CITATIONS
3063	MiR-503 Promotes Bone Formation in Distraction Osteogenesis through Suppressing Smurf1 Expression. Scientific Reports, 2017, 7, 409.	1.6	56
3064	microRNAs in Brain Endothelium and Inflammation. , 2017, , 153-173.		1
3065	MicroRNA exocytosis by large dense-core vesicle fusion. Scientific Reports, 2017, 7, 45661.	1.6	19
3066	A compilation of Web-based research tools for miRNA analysis. Briefings in Functional Genomics, 2017, 16, 249-273.	1.3	32
3067	miRmine: a database of human miRNA expression profiles. Bioinformatics, 2017, 33, 1554-1560.	1.8	164
3068	Sp1 is a competitive endogenous RNA of Klf4 during odontoblast differentiation. International Journal of Biochemistry and Cell Biology, 2017, 85, 159-165.	1.2	10
3069	Synergic Functions of miRNAs Determine Neuronal Fate of Adult Neural Stem Cells. Stem Cell Reports, 2017, 8, 1046-1061.	2.3	49
3070	MicroRNAs Establish Uniform Traits during the Architecture of Vertebrate Embryos. Developmental Cell, 2017, 40, 552-565.e5.	3.1	58
3071	Protein kinase B. Anti-Cancer Drugs, 2017, 28, 569-580.	0.7	26
3072	Profiling of Circulating Serum MicroRNAs in Children with Autism Spectrum Disorder using Stem-loop qRT-PCR Assay. Folia Medica, 2017, 59, 43-52.	0.2	41
3073	Immunomodulatory Nanomedicine. Macromolecular Bioscience, 2017, 17, 1700021.	2.1	11
3074	Bone marrow-derived mesenchymal stem cells (BMSCs) repair acute necrotized pancreatitis by secreting microRNA-9 to target the NF-κB1/p50 gene in rats. Scientific Reports, 2017, 7, 581.	1.6	47
3075	The nature of early astroglial protectionâ€"Fast activation and signaling. Progress in Neurobiology, 2017, 153, 86-99.	2.8	19
3076	Gastric bypass surgery with exercise alters plasma microRNAs that predict improvements in cardiometabolic risk. International Journal of Obesity, 2017, 41, 1121-1130.	1.6	53
3077	Bi-directional DNA Walking Machine and Its Application in an Enzyme-Free Electrochemiluminescence Biosensor for Sensitive Detection of MicroRNAs. Analytical Chemistry, 2017, 89, 5036-5042.	3.2	117
3078	A systematic review investigating the association of microRNAs with human abdominal aortic aneurysms. Atherosclerosis, 2017, 261, 78-89.	0.4	35
3079	In Silico Prediction of RNA Secondary Structure. Methods in Molecular Biology, 2017, 1543, 145-168.	0.4	7
3080	MicroRNA miR-27 Inhibits Adenovirus Infection by Suppressing the Expression of SNAP25 and TXN2. Journal of Virology, 2017, 91, .	1.5	24

#	Article	IF	CITATIONS
3081	MiR-146a/b: a family with shared seeds and different roots. Physiological Genomics, 2017, 49, 243-252.	1.0	98
3082	A novel role for miR-133a in centrally mediated activation of the renin-angiotensin system in congestive heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H968-H979.	1.5	17
3083	Noncoding RNAs in Platelet Biology. , 2017, , 239-252.		2
3084	Gene expression profiling in the human alcoholic brain. Neuropharmacology, 2017, 122, 161-174.	2.0	48
3085	Altered gene expression in late-onset Alzheimer's disease due to SNPs within 3′UTR microRNA response elements. Genomics, 2017, 109, 177-185.	1.3	25
3086	Non-Coding RNAs: New Players in Skin Wound Healing. Advances in Wound Care, 2017, 6, 93-107.	2.6	53
3087	Circulating microRNAs in acute and chronic exercise: more than mere biomarkers. Journal of Applied Physiology, 2017, 122, 702-717.	1.2	80
3088	Let-7 and MicroRNA-148 Regulate Parathyroid Hormone Levels in Secondary Hyperparathyroidism. Journal of the American Society of Nephrology: JASN, 2017, 28, 2353-2363.	3.0	36
3089	High-throughput sequencing identifies HIV-1-replication- and latency-related miRNAs in CD4+ T cell lines. Archives of Virology, 2017, 162, 1933-1942.	0.9	10
3090	Alterations in microRNA expression associated with alcohol consumption in rectal cancer subjects. Cancer Causes and Control, 2017, 28, 545-555.	0.8	7
3091	Tumor Suppressor PTPRJ Is a Target of miRâ€155 in Colorectal Cancer. Journal of Cellular Biochemistry, 2017, 118, 3391-3400.	1.2	32
3092	Abdominal Aortic Aneurysm–Associated MicroRNA-516a-5p Regulates Expressions of Methylenetetrahydrofolate Reductase, Matrix Metalloproteinase-2, and Tissue Inhibitor of Matrix Metalloproteinase-1 in Human Abdominal Aortic Vascular Smooth Muscle Cells. Annals of Vascular Surgery, 2017, 42, 263-273.	0.4	18
3093	The role of miRNA-223 in cancer: Function, diagnosis and therapy. Gene, 2017, 616, 1-7.	1.0	65
3094	miRâ€320a regulates high mobility group box 1 expression and inhibits invasion and metastasis in hepatocellular carcinoma. Liver International, 2017, 37, 1354-1364.	1.9	32
3095	A functional SNP regulated by miR-196a-3p in the 3′UTR of <i>FGF2</i> i>is associated with bone mineral density in the Chinese population. Human Mutation, 2017, 38, 725-735.	1.1	13
3096	Regulation of Atherosclerosis by microRNAs. Cardiac and Vascular Biology, 2017, , 1-20.	0.2	1
3097	Regulation of ITGA3 by the dual-stranded microRNA-199 family as a potential prognostic marker in bladder cancer. British Journal of Cancer, 2017, 116, 1077-1087.	2.9	48
3098	Review: Bio-compartmentalization of microRNAs in exosomes during gestational diabetes mellitus. Placenta, 2017, 54, 76-82.	0.7	25

#	Article	IF	CITATIONS
3099	Identification of microRNA signature and potential pathway targets in prostate cancer. Experimental Biology and Medicine, 2017, 242, 536-546.	1.1	15
3100	The role of microRNAs in the pathophysiology of adrenal tumors. Molecular and Cellular Endocrinology, 2017, 456, 36-43.	1.6	20
3101	MicroRNAs in thyroid development, function and tumorigenesis. Molecular and Cellular Endocrinology, 2017, 456, 44-50.	1.6	52
3102	MicroRNA-206 prevents hepatosteatosis and hyperglycemia by facilitating insulin signaling and impairing lipogenesis. Journal of Hepatology, 2017, 66, 816-824.	1.8	75
3103	Peroxisome proliferator-activated receptor \hat{l} improves porcine blastocyst hatching via the regulation of fatty acid oxidation. Theriogenology, 2017, 90, 266-275.	0.9	12
3104	Nup358 binds to <scp>AGO</scp> proteins through its <scp>SUMO</scp> â€interacting motifs and promotes the association of target <scp>mRNA</scp> with miRISC. EMBO Reports, 2017, 18, 241-263.	2.0	43
3105	Genes, epigenetics and miRNA regulation in the placenta. Placenta, 2017, 52, 127-133.	0.7	51
3106	Can nanotechnology improve cancer diagnosis through miRNA detection?. Biomarkers in Medicine, 2017, 11, 69-86.	0.6	47
3107	Expression of microRNA in male reproductive tissues and their role in male fertility. Reproduction, Fertility and Development, 2017, 29, 24.	0.1	35
3108	The role of platelet microvesicles in intercellular communication. Platelets, 2017, 28, 222-227.	1.1	48
3109	Small Molecules Targeting the miRNA-Binding Domain of Argonaute 2: From Computer-Aided Molecular Design to RNA Immunoprecipitation. Methods in Molecular Biology, 2017, 1517, 211-221.	0.4	1
3110	Elucidating Mechanisms of Molecular Recognition Between Human Argonaute and miRNA Using Computational Approaches. Methods in Molecular Biology, 2017, 1517, 251-275.	0.4	1
3111	MicroRNA Implications in Neurodegenerative Disorders. , 2017, , 329-341.		1
3112	Modulation of microRNA-mRNA Target Pairs by Human Papillomavirus 16 Oncoproteins. MBio, 2017, 8, .	1.8	56
3113	Transcriptome profiling of the developing male germ line identifies the miR-29 family as a global regulator during meiosis. RNA Biology, 2017, 14, 219-235.	1.5	21
3114	Reversible methylation of m6Am in the $5\hat{a}\in^2$ cap controls mRNA stability. Nature, 2017, 541, 371-375.	13.7	797
3115	Snail-Modulated MicroRNA 493 Forms a Negative Feedback Loop with the Insulin-Like Growth Factor 1 Receptor Pathway and Blocks Tumorigenesis. Molecular and Cellular Biology, 2017, 37, .	1.1	16
3116	miR-137 modulates coelomocyte apoptosis by targeting 14-3-3ζ in the sea cucumber Apostichopus japonicus. Developmental and Comparative Immunology, 2017, 67, 86-96.	1.0	14

#	Article	IF	CITATIONS
3117	The expanding horizon of MicroRNAs in cellular reprogramming. Progress in Neurobiology, 2017, 148, 21-39.	2.8	37
3118	microRNAs in lipoprotein and lipid metabolism: from biological function to clinical application. Clinical Chemistry and Laboratory Medicine, 2017, 55, 667-686.	1.4	36
3119	MicroRNAs in Post-traumatic Stress Disorder. Current Topics in Behavioral Neurosciences, 2017, 38, 23-46.	0.8	18
3120	Increased miRâ€223 expression in foetal organs is a signature of acute chorioamnionitis with systemic consequences. Journal of Cellular and Molecular Medicine, 2018, 22, 1179-1189.	1.6	22
3121	Statins decrease vascular epithelial growth factor expression via down-regulation of receptor for advanced glycation end-products. Heliyon, 2017, 3, e00401.	1.4	10
3122	A Macro View of MicroRNAs: The Discovery of MicroRNAs and Their Role in Hematopoiesis and Hematologic Disease. International Review of Cell and Molecular Biology, 2017, 334, 99-175.	1.6	58
3123	Molecular Regulation of Cellular Senescence by MicroRNAs: Implications in Cancer and Age-Related Diseases. International Review of Cell and Molecular Biology, 2017, 334, 27-98.	1.6	16
3124	miR-16 and miR-103 impact 5-HT4 receptor signalling and correlate with symptom profile in irritable bowel syndrome. Scientific Reports, 2017, 7, 14680.	1.6	46
3125	MicroRNA‴1271 inhibits cellular proliferation of hepatocellular carcinoma. Oncology Letters, 2017, 14, 6783-6788.	0.8	13
3126	Peripheral blood micro <scp>RNA</scp> and <i><scp>VEGFA</scp></i> <scp>mRNA</scp> changes following electroconvulsive therapy: implications for psychotic depression. Acta Psychiatrica Scandinavica, 2017, 136, 594-606.	2.2	32
3127	MicroRNA-134 regulates poliovirus replication by IRES targeting. Scientific Reports, 2017, 7, 12664.	1.6	3
3128	Using FirePlexâ,,¢ Particle Technology for Multiplex MicroRNA Profiling Without RNA Purification. Methods in Molecular Biology, 2017, 1654, 209-219.	0.4	17
3129	MicroRNAs in cutaneous lichen planus. Clinical and Experimental Dermatology, 2017, 42, 898-901.	0.6	4
3130	Small Molecule Release and Activation through DNA Computing. Journal of the American Chemical Society, 2017, 139, 13909-13915.	6.6	47
3131	Thiol-linked alkylation of RNA to assess expression dynamics. Nature Methods, 2017, 14, 1198-1204.	9.0	411
3132	Global analysis of AGO2-bound RNAs reveals that miRNAs induce cleavage of target RNAs with limited complementarity. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2017, 1860, 1148-1158.	0.9	10
3133	MicroRNA Signature of Cigarette Smoking and Evidence for a Putative Causal Role of MicroRNAs in Smoking-Related Inflammation and Target Organ Damage. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	45
3134	New strategies to understand platelet storage lesion. ISBT Science Series, 2017, 12, 496-500.	1.1	6

#	Article	IF	CITATIONS
3135	Dynamic and Modularized MicroRNA Regulation and Its Implication in Human Cancers. Scientific Reports, 2017, 7, 13356.	1.6	60
3136	Network analysis of EMT and MET micro-RNA regulation in breast cancer. Scientific Reports, 2017, 7, 13534.	1.6	48
3137	Design and implementation of a synthetic pre-miR switch for controlling miRNA biogenesis in mammals. Nucleic Acids Research, 2017, 45, e181-e181.	6.5	15
3138	Low Vitamin B12 in Pregnancy Is Associated With Adipose-Derived Circulating miRs Targeting PPAR \hat{I}^3 and Insulin Resistance. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 4200-4209.	1.8	56
3139	Weak Regulation of Many Targets Is Cumulatively Powerfulâ€"An Evolutionary Perspective on microRNA Functionality. Molecular Biology and Evolution, 2017, 34, 3041-3046.	3.5	28
3140	miR-6883 Family miRNAs Target CDK4/6 to Induce G1 Phase Cell-Cycle Arrest in Colon Cancer Cells. Cancer Research, 2017, 77, 6902-6913.	0.4	43
3141	MicroRNAs in glioblastoma pathogenesis and therapy: A comprehensive review. Critical Reviews in Oncology/Hematology, 2017, 120, 22-33.	2.0	92
3142	The role of miR-214 in cardiovascular diseases. European Journal of Pharmacology, 2017, 816, 138-145.	1.7	54
3143	MiRNA-21 has effects to protect kidney injury induced by sepsis. Biomedicine and Pharmacotherapy, 2017, 94, 1138-1144.	2.5	32
3144	Regulation of spindle and kinetochoreâ€associated protein 1 by antitumor <i>miRâ€10aâ€5p</i> in renal cell carcinoma. Cancer Science, 2017, 108, 2088-2101.	1.7	49
3145	Involvement of aberrantly expressed microRNAs in the pathogenesis of head and neck squamous cell carcinoma. Cancer and Metastasis Reviews, 2017, 36, 525-545.	2.7	41
3146	MicroRNA expression profiling and bioinformatics analysis of dysregulated microRNAs in obstructive sleep apnea patients. Medicine (United States), 2017, 96, e7917.	0.4	37
3147	Downregulation of microRNA-195 promotes angiogenesis induced by cerebral infarction via targeting VEGFA. Molecular Medicine Reports, 2017, 16, 5434-5440.	1.1	34
3148	Regulation by 3′-Untranslated Regions. Annual Review of Genetics, 2017, 51, 171-194.	3.2	426
3149	Safety and activity of microRNA-loaded minicells in patients with recurrent malignant pleural mesothelioma: a first-in-man, phase 1, open-label, dose-escalation study. Lancet Oncology, The, 2017, 18, 1386-1396.	5.1	508
3150	Transcription factor <scp>CCAAT</scp> /enhancerâ€binding proteinâ€Î² upregulates micro <scp>RNA</scp> , <i> letâ€7f</i> â€Î in human endocervical cells. American Journal of Reproductive Immunology, 2017, 78, e12759.	1.2	4
3151	MicroRNA-210 contributes to peripheral nerve regeneration through promoting the proliferation and migration of Schwann cells. Experimental and Therapeutic Medicine, 2017, 14, 2809-2816.	0.8	13
3152	Modelling the propagation of a dynamical signature in gene expression mediated by the transport of extracellular microRNAs. Molecular BioSystems, 2017, 13, 2379-2391.	2.9	2

#	Article	IF	CITATIONS
3153	Transethnic insight into the genetics of glycaemic traits: fine-mapping results from the Population Architecture using Genomics and Epidemiology (PAGE) consortium. Diabetologia, 2017, 60, 2384-2398.	2.9	20
3154	Integrated analysis of microRNA and gene expression profiles reveals a functional regulatory module associated with liver fibrosis. Gene, 2017, 636, 87-95.	1.0	53
3155	Alterations in Bronchial Airway miRNA Expression for Lung Cancer Detection. Cancer Prevention Research, 2017, 10, 651-659.	0.7	31
3156	MiR-362-3p inhibits the proliferation and migration of vascular smooth muscle cells in atherosclerosis by targeting ADAMTS1. Biochemical and Biophysical Research Communications, 2017, 493, 270-276.	1.0	39
3157	Upregulation of miR-520b promotes ovarian cancer growth. Oncology Letters, 2017, 14, 3155-3161.	0.8	20
3158	Protective effect of miR-200b/c by inhibiting vasohibin-2 in human retinal microvascular endothelial cells. Life Sciences, 2017, 191, 245-252.	2.0	18
3159	Regulation of microRNA activity in stress. Molecular Biology, 2017, 51, 496-505.	0.4	6
3160	Folate and microRNA: Bidirectional interactions. Clinica Chimica Acta, 2017, 474, 60-66.	0.5	20
3161	Neutrophil transfer of <i>miR-223</i> to lung epithelial cells dampens acute lung injury in mice. Science Translational Medicine, 2017, 9, .	5.8	162
3162	MicroRNA-based transcriptomic responses of Atlantic salmon during infection by the intracellular bacterium Piscirickettsia salmonis. Developmental and Comparative Immunology, 2017, 77, 287-296.	1.0	33
3163	Loss of function of Arabidopsis microRNA-machinery genes impairs fertility, and has effects on homologous recombination and meiotic chromatin dynamics. Scientific Reports, 2017, 7, 9280.	1.6	26
3164	microRNAs, Angiogenesis and Atherosclerosis. , 2017, , 377-392.		O
3165	MicroRNA Expression in the Locus Coeruleus, Entorhinal Cortex, and Hippocampus at Early and Middle Stages of Braak Neurofibrillary Tangle Pathology. Journal of Molecular Neuroscience, 2017, 63, 206-215.	1.1	18
3166	Circulating microRNAs in breast cancer: novel diagnostic and prognostic biomarkers. Cell Death and Disease, 2017, 8, e3045-e3045.	2.7	291
3167	MicroRNA-21 versus microRNA-34: Lung cancer promoting and inhibitory microRNAs analysed in silico and in vitro and their clinical impact. Tumor Biology, 2017, 39, 101042831770643.	0.8	16
3168	Argonaute CLIP Defines a Deregulated miR-122-Bound Transcriptome that Correlates with Patient Survival in Human Liver Cancer. Molecular Cell, 2017, 67, 400-410.e7.	4.5	64
3169	Kv10.1 potassium channel: from the brain to the tumors. Biochemistry and Cell Biology, 2017, 95, 531-536.	0.9	37
3170	The miRâ€15 family reinforces the transition from proliferation to differentiation in preâ€8 cells. EMBO Reports, 2017, 18, 1604-1617.	2.0	34

#	Article	IF	CITATIONS
3171	Biomarcadores epigenéticos y enfermedad cardiovascular: los microARN circulantes. Revista Espanola De Cardiologia, 2017, 70, 763-769.	0.6	28
3172	Deregulation of miR-126-3p in basal-like breast cancers stroma and its clinical significance. Pathology Research and Practice, 2017, 213, 922-928.	1.0	7
3173	Association of IL-10-Regulating MicroRNAs in Peripheral Blood Mononuclear Cells with the Pathogenesis of Autoimmune Thyroid Disease. Immunological Investigations, 2017, 46, 590-602.	1.0	17
3174	miRNA-504 inhibits p53-dependent vascular smooth muscle cell apoptosis and may prevent aneurysm formation. Molecular Medicine Reports, 2017, 16, 2570-2578.	1.1	22
3176	Human snoRNA-93 is processed into a microRNA-like RNA that promotes breast cancer cell invasion. Npj Breast Cancer, 2017, 3, 25.	2.3	74
3177	MicroRNAâ€206 prevents the pathogenesis of hepatocellular carcinoma by modulating expression of met protoâ€oncogene and cyclinâ€dependent kinase 6 in mice. Hepatology, 2017, 66, 1952-1967.	3.6	65
3178	MicroRNA: Basic concepts and implications for regeneration and repair of neurodegenerative diseases. Biochemical Pharmacology, 2017, 141, 118-131.	2.0	55
3179	Rank miRNA: a web tool for identifying polymorphisms altering miRNA target sites. Procedia Computer Science, 2017, 108, 1125-1134.	1.2	2
3180	Diagnostic and therapeutic potentials of microRNAs in cholangiopathies. Liver Research, 2017, 1, 34-41.	0.5	10
3181	miR-491 inhibits skeletal muscle differentiation through targeting myomaker. Archives of Biochemistry and Biophysics, 2017, 625-626, 30-38.	1.4	19
3182	Periodontitis, pathogenesis and progression: miRNA-mediated cellular responses to <i>Porphyromonas gingivalis</i> . Journal of Oral Microbiology, 2017, 9, 1333396.	1.2	30
3183	MicroRNAs and RNA binding protein regulators of microRNAs in the control of pluripotency and reprogramming. Current Opinion in Genetics and Development, 2017, 46, 95-103.	1.5	33
3184	miRNAs in B-cell lymphoma: Molecular mechanisms and biomarker potential. Cancer Letters, 2017, 405, 79-89.	3.2	29
3185	Structural Foundations of RNA Silencing by Argonaute. Journal of Molecular Biology, 2017, 429, 2619-2639.	2.0	118
3186	Consensus datasets of mouse miRNA-mRNA interactions from multiple online resources. Data in Brief, 2017, 14, 143-147.	0.5	2
3187	Relationship between microRNA-369-3p, SIRT1, and IL-22 in psoriasis vulgaris. Journal of the Egyptian Women's Dermatologic Society, 2017, 14, 116-120.	0.2	1
3188	Exosome-Mediated Intercellular Communication Between Stellate Cells and Cancer Cells in Pancreatic Ductal Adenocarcinoma. Pancreas, 2017, 46, 1-4.	0.5	34
3189	Role of G protein-coupled receptors-microRNA interactions in gastrointestinal pathophysiology. American Journal of Physiology - Renal Physiology, 2017, 313, G361-G372.	1.6	9

#	Article	IF	CITATIONS
3190	mRNA–miRNA bipartite network reconstruction to predict prognostic module biomarkers in colorectal cancer stage differentiation. Molecular BioSystems, 2017, 13, 2168-2180.	2.9	33
3191	MicroRNAs in right ventricular remodelling. Cardiovascular Research, 2017, 113, 1433-1440.	1.8	26
3192	CRISPR–Cas9-mediated functional dissection of 3′-UTRs. Nucleic Acids Research, 2017, 45, 10800-10810.	6.5	39
3193	miR-187 inhibits tumor growth and invasion by directly targeting MAPK12 in osteosarcoma. Experimental and Therapeutic Medicine, 2017, 14, 1045-1050.	0.8	20
3194	MiR-377 reverses cancerous phenotypes of pancreatic cells via suppressing <i>DNMT1 </i> hand demethylating tumor suppressor genes. Epigenomics, 2017, 9, 1059-1075.	1.0	37
3195	Overexpression of microRNA let-7 correlates with disease progression and poor prognosis in hepatocellular carcinoma. Medicine (United States), 2017, 96, e7764.	0.4	51
3196	A comprehensive, cell specific microRNA catalogue of human peripheral blood. Nucleic Acids Research, 2017, 45, 9290-9301.	6. 5	159
3197	Small noncoding RNA expression during extreme anoxia tolerance of annual killifish (<i>Austrofundulus limnaeus</i>) embryos. Physiological Genomics, 2017, 49, 505-518.	1.0	25
3198	Glucocorticoids regulate MiR-29c levels in vascular smooth muscle cells through transcriptional and epigenetic mechanisms. Life Sciences, 2017, 186, 87-91.	2.0	8
3199	Literature review of baseline information to support the risk assessment of RNAiâ€based GM plants. EFSA Supporting Publications, 2017, 14, 1246E.	0.3	15
3200	MicroRNAs in orthopaedic research: Disease associations, potential therapeutic applications, and perspectives. Journal of Orthopaedic Research, 2018, 36, 33-51.	1.2	24
3201	Suppression of miR-127 protects PC-12 cells from LPS-induced inflammatory injury by downregulation of PDCD4. Biomedicine and Pharmacotherapy, 2017, 96, 1154-1162.	2.5	21
3202	Isolation and characterization of mesenchymal stem cells and its antitumor application on ovarian cancer cell line. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1-10.	1.9	4
3203	miRâ€'30c may serve a role in endometriosis by targeting plasminogen activator inhibitorâ€'1. Experimental and Therapeutic Medicine, 2017, 14, 4846-4852.	0.8	9
3204	Suppression of microRNA-130b inhibits glioma cell proliferation and invasion, and induces apoptosis by PTEN/AKT signaling. International Journal of Molecular Medicine, 2018, 41, 284-292.	1.8	22
3205	An ensemble method integrated with miRNA expression data for predicting miRNA targets in stomach adenocarcinoma. Cancer Biomarkers, 2017, 20, 617-625.	0.8	6
3206	Cellular microRNA networks regulate host dependency of hepatitis C virus infection. Nature Communications, 2017, 8, 1789.	5 . 8	70
3207	Genetic architecture and regulatory impact on hepatic microRNA expression linked to immune and metabolic traits. Open Biology, 2017, 7, 170101.	1.5	14

#	ARTICLE	IF	CITATIONS
3208	MicroRNAs and Epigenetics. Advances in Cancer Research, 2017, 135, 189-220.	1.9	91
3209	Role of microRNA in development of instability of atherosclerotic plaques. Biochemistry (Moscow), 2017, 82, 1380-1390.	0.7	23
3210	Cardiac myocyte miR-29 promotes pathological remodeling of the heart by activating Wnt signaling. Nature Communications, 2017, 8, 1614.	5.8	172
3211	mir-355 Functions as An Important Link between p38 MAPK Signaling and Insulin Signaling in the Regulation of Innate Immunity. Scientific Reports, 2017, 7, 14560.	1.6	46
3212	Upregulation of microRNA-4417 and Its Target Genes Contribute to Nickel Chloride-promoted Lung Epithelial Cell Fibrogenesis and Tumorigenesis. Scientific Reports, 2017, 7, 15320.	1.6	22
3213	RNA stem structure governs coupling of dicing and gene silencing in RNA interference. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10349-E10358.	3.3	5
3214	Carbon nanotubes-based electrochemical (bio)sensors for biomarkers. Applied Materials Today, 2017, 9, 566-588.	2.3	75
3215	Down-regulation of miR-26a-5p in hepatocellular carcinoma: A qRT-PCR and bioinformatics study. Pathology Research and Practice, 2017, 213, 1494-1509.	1.0	22
3216	Structure-mediated modulation of mRNA abundance by A-to-I editing. Nature Communications, 2017, 8, 1255.	5.8	65
3217	Identification of cell cycle-targeting microRNAs through genome-wide screens. Cell Cycle, 2017, 16, 2241-2248.	1.3	7
3218	Tumor-suppressive miR-26a and miR-26b inhibit cell aggressiveness by regulating FUT4 in colorectal cancer. Cell Death and Disease, 2017, 8, e2892-e2892.	2.7	88
3219	Quantitative Proteomics Analysis Reveals Novel Targets of miR-21 in Zebrafish Embryos. Scientific Reports, 2017, 7, 4022.	1.6	9
3220	miR-100-5p inhibition induces apoptosis in dormant prostate cancer cells and prevents the emergence of castration-resistant prostate cancer. Scientific Reports, 2017, 7, 4079.	1.6	37
3221	MicroRNA-148 as a negative regulator of the common TLR adaptor mediates inflammatory response in teleost fish. Scientific Reports, 2017, 7, 4124.	1.6	46
3223	Long-Term Cigarette Smoke Exposure and Changes in MiRNA Expression and Proteome in Non-Small-Cell Lung Cancer. OMICS A Journal of Integrative Biology, 2017, 21, 390-403.	1.0	24
3224	Structure/cleavage-based insights into helical perturbations at bulge sites within T. thermophilus Argonaute silencing complexes. Nucleic Acids Research, 2017, 45, 9149-9163.	6.5	29
3225	Discovery and Annotation of Plant Endogenous Target Mimicry Sequences from Public Transcriptome Libraries: A Case Study of Prunus persica. Journal of Integrative Bioinformatics, 2017, 14, .	1.0	1
3226	The Role of MicroRNAs in Stress-Induced Psychopathologies. , 2017, , 117-126.		1

#	Article	IF	CITATIONS
3227	Physical exercise as an epigenetic modulator of brain plasticity and cognition. Neuroscience and Biobehavioral Reviews, 2017, 80, 443-456.	2.9	197
3228	Expression profiling indicating low selenium-sensitive microRNA levels linked to cell cycle and cell stress response pathways in the CaCo-2 cell line. British Journal of Nutrition, 2017, 117, 1212-1221.	1.2	17
3229	Ten percent of conserved miRNA-binding sites in vertebrates are misaligned. Biophysics (Russian) Tj ETQq0 0 0 rg	BT/Overlo	ock 10 Tf 50 (
3230	Effects of exposure to Streptococcus iniae on microRNA expression in the head kidney of genetically improved farmed tilapia (Oreochromis niloticus). BMC Genomics, 2017, 18, 190.	1.2	38
3231	MicroRNA-30a regulates cell proliferation and tumor growth of colorectal cancer by targeting CD73. BMC Cancer, 2017, 17, 305.	1.1	38
3232	Low tissue levels of miR-125b predict malignancy in solitary fibrous tumors of the pleura. Respiratory Research, 2017, 18, 43.	1.4	9
3233	The roles of microRNAs in regulation of mammalian spermatogenesis. Journal of Animal Science and Biotechnology, 2017, 8, 35.	2.1	88
3234	Regulation of SPOCK1 by dual strands of pre-miR-150 inhibit cancer cell migration and invasion in esophageal squamous cell carcinoma. Journal of Human Genetics, 2017, 62, 935-944.	1.1	32
3235	Current epigenetic aspects the clinical kidney researcher should embrace. Clinical Science, 2017, 131, 1649-1667.	1.8	11
3236	The role of microRNAs in liver injury at the crossroad between hepatic cell death and regeneration. Biochemical and Biophysical Research Communications, 2017, 482, 399-407.	1.0	25
3237	MicroRNAs in FECD: A New Therapeutic Option?., 2017,, 17-24.		0
3238	Altered levels of circulating cytokines and microRNAs in lean and obese individuals with prediabetes and type 2 diabetes. Molecular BioSystems, 2017, 13, 106-121.	2.9	95
3239	Functionally distinct roles for different miR-155 expression levels through contrasting effects on gene expression, in acute myeloid leukaemia. Leukemia, 2017, 31, 808-820.	3.3	46
3240	CSF microRNA Profiling in Alzheimer's Disease: a Screening and Validation Study. Molecular Neurobiology, 2017, 54, 6647-6654.	1.9	45
3241	The roles of RNA processing in translating genotype to phenotype. Nature Reviews Molecular Cell Biology, 2017, 18, 102-114.	16.1	176
3242	microRNA target prediction programs predict many false positives. Genome Research, 2017, 27, 234-245.	2.4	219
3243	Biological Activities of Extracellular Vesicles and Their Cargos from Bovine and Human Milk in Humans and Implications for Infants. Journal of Nutrition, 2017, 147, 3-10.	1.3	224
3244	Prediction of microRNAs involved in immune system diseases through network based features. Journal of Biomedical Informatics, 2017, 65, 34-45.	2.5	9

#	Article	IF	CITATIONS
3245	The role of the miRâ€17–92 cluster in neurogenesis and angiogenesis in the central nervous system of adults. Journal of Neuroscience Research, 2017, 95, 1574-1581.	1.3	33
3246	Quantifying RNA binding sites transcriptome-wide using DO-RIP-seq. Rna, 2017, 23, 32-46.	1.6	46
3247	A genetic variant in miRNA binding site of glutamate receptor 4, metabotropic (GRM4) is associated with increased risk of major depressive disorder. Journal of Affective Disorders, 2017, 208, 218-222.	2.0	25
3248	Roles of bta-miR-29b promoter regions DNA methylation in regulating miR-29b expression and bovine viral diarrhea virus NADL replication in MDBK cells. Archives of Virology, 2017, 162, 401-408.	0.9	23
3249	Molecular mechanisms of innate memory and tolerance to LPS. Journal of Leukocyte Biology, 2017, 101, 107-119.	1.5	293
3250	microRNA Target Prediction. Methods in Molecular Biology, 2017, 1513, 193-200.	0.4	32
3251	Characterization and differential expression of microRNA in skeletal muscle of Laiwu and Yorkshire pig breeds. Genes and Genomics, 2017, 39, 173-182.	0.5	3
3252	The microRNA signatures: aberrantly expressed microRNAs in head and neck squamous cell carcinoma. Journal of Human Genetics, 2017, 62, 3-13.	1.1	43
3253	MicroRNAs role as potential biomarkers and key regulators in melanoma. Genes Chromosomes and Cancer, 2017, 56, 3-10.	1.5	48
3254	The organization and regulation of <scp>mRNA</scp> –protein complexes. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1369.	3.2	68
3255	Highâ€throughput sequencing to identify microRNA signatures during hepatic differentiation of human umbilical cord Wharton's jellyâ€derived mesenchymal stem cells. Hepatology Research, 2017, 47, 910-927.	1.8	6
3256	miRNAs in chronic myeloid leukemia: small molecules, essential function. Leukemia and Lymphoma, 2017, 58, 1297-1305.	0.6	39
3257	PceRBase: a database of plant competing endogenous RNA. Nucleic Acids Research, 2017, 45, D1009-D1014.	6.5	50
3258	Diagnostic and Prognostic Value of MicroRNA in Viral Diseases. Molecular Diagnosis and Therapy, 2017, 21, 45-57.	1.6	16
3259	Conservation of miRNA-mediated silencing mechanisms across 600 million years of animal evolution. Nucleic Acids Research, 2017, 45, 938-950.	6.5	26
3260	MicroRNA Profiling Reveals a Role for MicroRNA-218-5p in the Pathogenesis of Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 43-56.	2.5	108
3261	miR-182-5p Inhibition Ameliorates Ischemic Acute Kidney Injury. American Journal of Pathology, 2017, 187, 70-79.	1.9	52
3262	MicroRNA biomarkers of pancreatic injury in a canine model. Experimental and Toxicologic Pathology, 2017, 69, 33-43.	2.1	21

#	Article	IF	CITATIONS
3263	Time―and strainâ€specific downregulation of intestinal <i>EPAS1</i> via miRâ€148a by <i>Bifidobacterium bifidum</i> . Molecular Nutrition and Food Research, 2017, 61, 1600596.	1.5	14
3264	Epigenetics in non-alcoholic fatty liver disease. Molecular Aspects of Medicine, 2017, 54, 78-88.	2.7	98
3265	MicroRNA-210 Enhances Fibrous Cap Stability in Advanced Atherosclerotic Lesions. Circulation Research, 2017, 120, 633-644.	2.0	98
3266	Identification and characterization of circular RNAs in zebrafish. FEBS Letters, 2017, 591, 213-220.	1.3	112
3267	Functional Roles for Exosomal MicroRNAs in the Tumour Microenvironment. Computational and Structural Biotechnology Journal, 2017, 15, 8-13.	1.9	72
3268	microRNA-137 promotes apoptosis in ovarian cancer cells via the regulation of XIAP. British Journal of Cancer, 2017, 116, 66-76.	2.9	81
3269	<i>MicroRNAâ€142</i> is a multifaceted regulator in organogenesis, homeostasis, and disease. Developmental Dynamics, 2017, 246, 285-290.	0.8	72
3270	miRâ€346 and miRâ€582â€3pâ€regulated EGâ€VEGF expression and trophoblast invasion via matrix metalloproteinases 2 and 9. BioFactors, 2017, 43, 210-219.	2.6	58
3271	microRNAs with AAGUGC seed motif constitute an integral part of an oncogenic signaling network. Oncogene, 2017, 36, 731-745.	2.6	19
3273	Protein-Coding and Noncoding RNA Genes. Evolutionary Studies, 2017, , 93-116.	0.2	2
3274	miRTar2GO: a novel rule-based model learning method for cell line specific microRNA target prediction that integrates Ago2 CLIP-Seq and validated microRNA–target interaction data. Nucleic Acids Research, 2017, 45, e42-e42.	6.5	28
3275	MicroRNA‑544 promotes colorectal cancer progression by targeting forkhead box O1. Oncology Letters, 2017, 15, 991-997.	0.8	17
3276	Predictive relevance of miRâ€'34a, miRâ€'224 and miRâ€'342 in patients with advanced squamous cell carcinoma of the lung undergoing palliative chemotherapy. Oncology Letters, 2017, 15, 592-599.	0.8	6
3277	A Seed Mismatch Enhances Argonaute2-Catalyzed Cleavage and Partially Rescues Severely Impaired Cleavage Found in Fish. Molecular Cell, 2017, 68, 1095-1107.e5.	4.5	35
3278	Prediction of human miRNA target genes using computationally reconstructed ancestral mammalian sequences. Nucleic Acids Research, 2017, 45, 556-566.	6.5	34
3279	From benchmarking HITS-CLIP peak detection programs to a new method for identification of miRNA-binding sites from Ago2-CLIP data. Nucleic Acids Research, 2017, 45, gkx007.	6.5	23
3280	Sex differences in microRNA-mRNA networks: examination of novel epigenetic programming mechanisms in the sexually dimorphic neonatal hypothalamus. Biology of Sex Differences, 2017, 8, 27.	1.8	27
3281	Role of microRNAs in obesity and obesity-related diseases. Genes and Nutrition, 2017, 12, 23.	1.2	164

#	Article	IF	CITATIONS
3282	MicroRNAs and cancer: Key paradigms in molecular therapy (Review). Oncology Letters, 2017, 15, 2735-2742.	0.8	168
3283	MicroRNA-196a-5p is a potential prognostic marker of delayed lymph node metastasis in early-stage tongue squamous cell carcinoma. Oncology Letters, 2017, 15, 2349-2363.	0.8	13
3284	Epigenetic alterations in acute lymphoblastic leukemia. BoletÃn Médico Del Hospital Infantil De México (English Edition), 2017, 74, 243-264.	0.0	14
3285	Rare Intronic Variations inTP73Gene Found in Patients with Alzheimer'sDisease. International Journal of Human Genetics, 2017, 17, 158-168.	0.1	2
3286	Specificity of MicroRNA Detection on a Power-free Microfluidic Chip with Laminar Flow-assisted Dendritic Amplification. Analytical Sciences, 2017, 33, 171-177.	0.8	13
3287	MiRDR-OSG: MicroRNA dynamic regulation analysis utilizing open science grid., 2017,,.		0
3288	Enhanced framework for miRNA target prediction. , 2017, , .		0
3289	A new statistical model for genome-scale MicroRNA target prediction. , 2017, , .		1
3290	The Biological Role and Clinical Implication of MicroRNAs in Osteosarcoma. , 2017, , .		1
3291	Making and Maintaining microRNAs in Animals. , 2017, , 1-17.		0
3292	Mechanosensitive miRNAs and Bone Formation. International Journal of Molecular Sciences, 2017, 18, 1684.	1.8	33
3293	Salivary miR-93 and miR-200a as post-radiotherapy biomarkers in head and neck squamous cell carcinoma. Oncology Reports, 2017, 38, 1268-1275.	1.2	36
3294	Inhibition of miR-128-3p by Tongxinluo Protects Human Cardiomyocytes from Ischemia/reperfusion Injury via Upregulation of p70s6k1/p-p70s6k1. Frontiers in Pharmacology, 2017, 8, 775.	1.6	33
3295	MicroRNAs as Important Players in Host–Adenovirus Interactions. Frontiers in Microbiology, 2017, 8, 1324.	1.5	11
3296	MicroRNA Detection Using a Double Molecular Beacon Approach: Distinguishing Between miRNA and Pre-miRNA. Theranostics, 2017, 7, 634-646.	4.6	30
3297	Myocardial microRNAs associated with reverse remodeling in human heart failure. JCI Insight, 2017, 2, e89169.	2.3	42
3298	Micrornas in prostate cancer: an overview. Oncotarget, 2017, 8, 50240-50251.	0.8	113
3299	Analysis of MicroRNA Expression Profiling Involved in MC-LR-Induced Cytotoxicity by High-Throughput Sequencing. Toxins, 2017, 9, 23.	1.5	24

#	Article	IF	CITATIONS
3300	RNAâ€seq: Applications and Best Practices. , 0, , .		17
3301	The Role of Noncoding RNAs in Prostate Cancer. , 2017, , 329-369.		5
3302	MiR-30a-5p Inhibits Epithelial-to-Mesenchymal Transition and Upregulates Expression of Tight Junction Protein Claudin-5 in Human Upper Tract Urothelial Carcinoma Cells. International Journal of Molecular Sciences, 2017, 18, 1826.	1.8	28
3303	Dexmedetomidine Prevents Lipopolysaccharide-Induced MicroRNA Expression in the Adult Rat Brain. International Journal of Molecular Sciences, 2017, 18, 1830.	1.8	28
3304	What Is New in the miRNA World Regarding Osteosarcoma and Chondrosarcoma?. Molecules, 2017, 22, 417.	1.7	57
3305	Upregulation of miRNA-4776 in Influenza Virus Infected Bronchial Epithelial Cells Is Associated with Downregulation of NFKBIB and Increased Viral Survival. Viruses, 2017, 9, 94.	1.5	27
3306	MicroRNAs and Cocaine., 2017,, 97-105.		0
3307	Essentials of miRNA-dependent Control of mRNA Translation and decay, miRNA Targeting Principles, and Methods for Target Identification. , 2017, , 19-38.		1
3308	Oligonucleotide Therapy for Obstructive and Restrictive Respiratory Diseases. Molecules, 2017, 22, 139.	1.7	30
3309	MicroRNA Signaling in Embryo Development. Biology, 2017, 6, 34.	1.3	84
3310	Long Non-Coding RNAs: Key Regulators of Epithelial-Mesenchymal Transition, Tumour Drug Resistance and Cancer Stem Cells. Cancers, 2017, 9, 38.	1.7	143
3311	Non-Coding RNAs in Lung Cancer: Contribution of Bioinformatics Analysis to the Development of Non-Invasive Diagnostic Tools. Genes, 2017, 8, 8.	1.0	28
3312	The Pattern of microRNA Binding Site Distribution. Genes, 2017, 8, 296.	1.0	45
3313	Non-Coding RNAs in Pediatric Airway Diseases. Genes, 2017, 8, 348.	1.0	34
3314	Plant MicroRNAsâ€"Novel Players in Natural Medicine?. International Journal of Molecular Sciences, 2017, 18, 9.	1.8	76
3315	Involvement of Host Non-Coding RNAs in the Pathogenesis of the Influenza Virus. International Journal of Molecular Sciences, 2017, 18, 39.	1.8	43
3316	The Role of MicroRNAs in Myocardial Infarction: From Molecular Mechanism to Clinical Application. International Journal of Molecular Sciences, 2017, 18, 745.	1.8	133
3317	miR-142-5p Disrupts Neuronal Morphogenesis Underlying Porcine Hemagglutinating Encephalomyelitis Virus Infection by Targeting Ulk1. Frontiers in Cellular and Infection Microbiology, 2017, 7, 155.	1.8	19

#	Article	IF	Citations
3318	MicroRNA Exocytosis by Vesicle Fusion in Neuroendocrine Cells. Frontiers in Endocrinology, 2017, 8, 355.	1.5	7
3319	Genome-Wide microRNA Binding Site Variation between Extinct Wild Aurochs and Modern Cattle Identifies Candidate microRNA-Regulated Domestication Genes. Frontiers in Genetics, 2017, 8, 3.	1.1	24
3320	The Dynamics of microRNA Transcriptome in Bovine Corpus Luteum during Its Formation, Function, and Regression. Frontiers in Genetics, 2017, 8, 213.	1.1	30
3321	Multitype Network-Guided Target Controllability in Phenotypically Characterized Osteosarcoma: Role of Tumor Microenvironment. Frontiers in Immunology, 2017, 8, 918.	2.2	18
3322	The Clinical Application of MicroRNAs in Infectious Disease. Frontiers in Immunology, 2017, 8, 1182.	2.2	134
3323	Viruses and miRNAs: More Friends than Foes. Frontiers in Microbiology, 2017, 8, 824.	1.5	181
3324	A Tiny RNA that Packs a Big Punch: The Critical Role of a Viral miR-155 Ortholog in Lymphomagenesis in Marek's Disease. Frontiers in Microbiology, 2017, 8, 1169.	1.5	20
3325	Recent Perspectives on Genome, Transmission, Clinical Manifestation, Diagnosis, Therapeutic Strategies, Vaccine Developments, and Challenges of Zika Virus Research. Frontiers in Microbiology, 2017, 8, 1761.	1.5	20
3326	The Role of MicroRNA in the Modulation of the Melanocortinergic System. Frontiers in Neuroscience, 2017, 11, 181.	1.4	17
3327	MicroRNA-Mediated Regulation of ITGB3 and CHL1 Is Implicated in SSRI Action. Frontiers in Molecular Neuroscience, 2017, 10, 355.	1.4	20
3328	Autophagy-Regulating microRNAs and Cancer. Frontiers in Oncology, 2017, 7, 65.	1.3	144
3329	No Functional Role for microRNA-342 in a Mouse Model of Pancreatic Acinar Carcinoma. Frontiers in Oncology, 2017, 7, 101.	1.3	7
3330	Implications of MicroRNAs in Oncolytic Virotherapy. Frontiers in Oncology, 2017, 7, 142.	1.3	21
3331	The Potential of MicroRNAs as Novel Biomarkers for Transplant Rejection. Journal of Immunology Research, 2017, 2017, 1-12.	0.9	31
3332	MicroRNAs-Mediated Regulation of Skeletal Muscle GLUT4 Expression and Translocation in Insulin Resistance. Journal of Diabetes Research, 2017, 2017, 1-11.	1.0	73
3333	Epigenetics in Chronic Pain. , 2017, , 185-226.		1
3334	Molecular Crosstalking among Noncoding RNAs: A New Network Layer of Genome Regulation in Cancer. International Journal of Genomics, 2017, 2017, 1-17.	0.8	40
3335	MicroRNA-214 Suppresses Osteogenic Differentiation of Human Periodontal Ligament Stem Cells by Targeting ATF4. Stem Cells International, 2017, 2017, 1-13.	1.2	44

#	Article	IF	CITATIONS
3336	Construction of an miRNA-Regulated Pathway Network Reveals Candidate Biomarkers for Postmenopausal Osteoporosis. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-9.	0.7	14
3337	Noncoding RNAs as Critical Players in Regulatory Accuracy, Redox Signaling, and Immune Cell Functions., 2017,, 215-284.		0
3338	Antitumor effect of a new nano-vector with miRNA-135a on malignant glioma. International Journal of Nanomedicine, 2018, Volume 13, 209-220.	3.3	18
3339	Evaluation of MiR-181a as a potential therapeutic target in osteoarthritis. Tropical Journal of Pharmaceutical Research, 2017, 16, 1069.	0.2	6
3340	Common and phylogenetically widespread coding for peptides by bacterial small RNAs. BMC Genomics, 2017, 18, 553.	1.2	32
3341	Gene and miRNA expression profiles in PBMCs from patients with severe and mild emphysema and PiZZ alpha1-antitrypsin deficiency. International Journal of COPD, 2017, Volume 12, 3381-3390.	0.9	21
3342	Stability of Circulating Blood-Based MicroRNAs – Pre-Analytic Methodological Considerations. PLoS ONE, 2017, 12, e0167969.	1.1	247
3343	Induction of Multiple miR-200/182 Members in the Brains of Mice Are Associated with Acute Herpes Simplex Virus 1 Encephalitis. PLoS ONE, 2017, 12, e0169081.	1.1	34
3344	Literature-based condition-specific miRNA-mRNA target prediction. PLoS ONE, 2017, 12, e0174999.	1.1	24
3345	Transcriptome analysis of mRNA and microRNAs in intramuscular fat tissues of castrated and intact male Chinese Qinchuan cattle. PLoS ONE, 2017, 12, e0185961.	1.1	31
3346	Differential expression of microRNAs among cell populations in the regenerating adult mouse olfactory epithelium. PLoS ONE, 2017, 12, e0187576.	1.1	2
3347	Identification of Viscum album L. miRNAs and prediction of their medicinal values. PLoS ONE, 2017, 12, e0187776.	1.1	18
3348	Long 3'UTR of Nurr1 mRNAs is targeted by miRNAs in mesencephalic dopamine neurons. PLoS ONE, 2017, 12, e0188177.	1.1	13
3349	Expression analysis of selected classes of circulating exosomal miRNAs in soccer players as an indicator of adaptation to physical activity. Biology of Sport, 2017, 34, 331-338.	1.7	9
3350	MicroRNA Regulation of HDL Homeostasis. , 2017, , 209-229.		0
3351	The Enigma of miRNA Regulation in Cancer. Advances in Cancer Research, 2017, 135, 25-52.	1.9	37
3352	MiR-1254 suppresses HO-1 expression through seed region-dependent silencing and non-seed interaction with TFAP2A transcript to attenuate NSCLC growth. PLoS Genetics, 2017, 13, e1006896.	1.5	42
3353	MicroRNA profiling of human primary macrophages exposed to dengue virus identifies miRNA-3614-5p as antiviral and regulator of ADAR1 expression. PLoS Neglected Tropical Diseases, 2017, 11, e0005981.	1.3	43

#	Article	IF	Citations
3354	Long non-coding RNA linc00673 regulated non-small cell lung cancer proliferation, migration, invasion and epithelial mesenchymal transition by sponging miR-150-5p. Molecular Cancer, 2017, 16, 118.	7.9	251
3355	miR-140-5p suppresses the proliferation, migration and invasion of gastric cancer by regulating YES1. Molecular Cancer, 2017, 16, 139.	7.9	123
3356	Role of tumor suppressor p53 and micro-RNA interplay in multiple myeloma pathogenesis. Journal of Hematology and Oncology, 2017, 10, 169.	6.9	55
3357	The influence of microRNAs and poly(A) tail length on endogenous mRNA–protein complexes. Genome Biology, 2017, 18, 211.	3.8	46
3358	Identification and characterization of interferon signaling-related microRNAs in occult hepatitis B virus infection. Clinical Epigenetics, 2017, 9, 101.	1.8	14
3359	Rainbow trout exposed to benzo[a]pyrene yields conserved microRNA binding sites in DNA methyltransferases across 500 million years of evolution. Scientific Reports, 2017, 7, 16843.	1.6	17
3360	BUFET: boosting the unbiased miRNA functional enrichment analysis using bitsets. BMC Bioinformatics, 2017, 18, 399.	1.2	9
3361	Random walks on mutual microRNA-target gene interaction network improve the prediction of disease-associated microRNAs. BMC Bioinformatics, 2017, 18, 479.	1.2	15
3362	Preferential microRNA targeting revealed by in vivo competitive binding and differential Argonaute immunoprecipitation. Nucleic Acids Research, 2017, 45, 10218-10228.	6.5	19
3363	Effects of Tinospora crispa aqueous extract in regulating cholesterol metabolism in human hepatoma cancer cell line (Hep G2). Journal of Medicinal Plants Research, 2017, 11, 673-682.	0.2	0
3364	MicroRNA-455 inhibits cell proliferation and invasion of epithelial ovarian cancer by directly targeting Notch1. Molecular Medicine Reports, 2017, 16, 9777-9785.	1,1	10
3365	Loss of microRNA-7a2 induces hypogonadotropic hypogonadism and infertility. Journal of Clinical Investigation, 2017, 127, 1061-1074.	3.9	83
3366	MicroRNA-139 suppressed tumor cell proliferation, migration and invasion by directly targeting HDGF in epithelial ovarian cancer. Molecular Medicine Reports, 2017, 16, 3379-3386.	1.1	9
3367	How short RNAs impact the human ribonuclease Dicer activity: putative regulatory feedback-loops and other RNA-mediated mechanisms controlling microRNA processing. Acta Biochimica Polonica, 2017, 63, 773-783.	0.3	6
3368	Comprehensive microRNA-sequencing of exosomes derived from head and neck carcinoma cells <i>in vitro</i> reveals common secretion profiles and potential utility as salivary biomarkers. Oncotarget, 2017, 8, 82459-82474.	0.8	80
3369	Differential Expression of MicroRNAs and their Possible Roles in Patients with Chronic Idiopathic Urticaria and Active Hives. Allergy and Rhinology, 2017, 8, ar.2017.8.0199.	0.7	17
3370	Reduced miRNAâ€'214 expression in oral mucosa contributes to the pathogenesis of oral lichen planus by targeting CD44. Molecular Medicine Reports, 2017, 17, 1919-1925.	1.1	6
3371	Micro-RNA 10a Is Increased in Feline T Regulatory Cells and Increases Foxp3 Protein Expression Following In Vitro Transfection. Veterinary Sciences, 2017, 4, 12.	0.6	1

#	Article	IF	CITATIONS
3372	Disorders noticed during development of pancreatic cancer: potential opportunities for early and effective diagnostics and therapy. Central-European Journal of Immunology, 2017, 42, 377-382.	0.4	6
3373	Head and Neck Cancer: Epidemiology and Role of MicroRNAs. , 2017, , .		1
3374	MicroRNA exhibit altered expression in the inflamed colonic mucosa of ulcerative colitis patients. World Journal of Gastroenterology, 2017, 23, 5324.	1.4	46
3375	MicroRNA-mediated inflammatory responses induced by Cryptococcus neoformans are dependent on the NF-κB pathway in human monocytes. International Journal of Molecular Medicine, 2017, 39, 1525-1532.	1.8	18
3376	Extracellular microRNAs as messengers in the central and peripheral nervous system. Neuronal Signaling, 2017, 1, NS20170112.	1.7	12
3377	Functional Genomics of MicroRNAs. , 2017, , 103-121.		0
3378	Big Mechanisms of Information Flow in Cellular Systems in Response to Environmental Stress Signals via System Identification and Data Mining. , 2017, , 155-248.		0
3379	MiR-144 promotes \hat{I}^2 -amyloid accumulation-induced cognitive impairments by targeting ADAM10 following traumatic brain injury. Oncotarget, 2017, 8, 59181-59203.	0.8	27
3380	Targeting noncoding RNAs in disease. Journal of Clinical Investigation, 2017, 127, 761-771.	3.9	527
3381	Comprehensive miRNA expression profiles in the ilea of <i>Lawsonia intracellularis</i> Journal of Veterinary Medical Science, 2017, 79, 282-289.	0.3	5
3382	Negative Correlation Between Hepatitis C Virus (HCV) and Let-7 MicroRNA Family in Transplanted Livers: The Role of rs868 Single-Nucleotide Polymorphism. Annals of Transplantation, 2017, 22, 638-645.	0.5	7
3383	Discerning functional hierarchies of microRNAs in pulmonary hypertension. JCI Insight, 2017, 2, e91327.	2.3	53
3384	MicroRNA-454 inhibits nonâ€'small cell lung cancer cells growth and metastasis via targeting signal transducer and activator of transcription-3. Molecular Medicine Reports, 2017, 17, 3979-3986.	1.1	5
3385	MicroRNA-454 inhibits tumor cell proliferation, migration and invasion by downregulating zinc finger E-box-binding homeobox 1 in gastric cancer. Molecular Medicine Reports, 2017, 16, 9067-9073.	1.1	10
3386	Renin-Angiotensin System MicroRNAs, Special Focus on the Brain., 2017,,.		1
3387	Circulating miRNA Profiles Associated With Hyperglycemia in Patients With Type 1 Diabetes. Diabetes, 2018, 67, 1013-1023.	0.3	73
3388	Functional Roles of Sex-Biased, Growth Hormone–Regulated MicroRNAs miR-1948 and miR-802 in Young Adult Mouse Liver. Endocrinology, 2018, 159, 1377-1392.	1.4	30
3389	Single-base resolution map of evolutionary constraints and annotation of conserved elements across major grass genomes. Genome Biology and Evolution, 2018, 10, 473-488.	1.1	11

#	ARTICLE	IF	CITATIONS
3390	MiR-155-5p controls colon cancer cell migration via post-transcriptional regulation of Human Antigen R (HuR). Cancer Letters, 2018, 421, 145-151.	3.2	64
3391	Expression of miR-200c and its clinicopathological significance in patients with colorectal cancer. Pathology Research and Practice, 2018, 214, 350-355.	1.0	26
3392	Recently Evolved Tumor Suppressor Transcript TP73-AS1 Functions as Sponge of Human-Specific miR-941. Molecular Biology and Evolution, 2018, 35, 1063-1077.	3.5	21
3393	Considering Epigenetics in Adverse Outcome Pathways. , 2018, , 219-234.		2
3394	MicroRNA degradation by a conserved target RNA regulates animal behavior. Nature Structural and Molecular Biology, 2018, 25, 244-251.	3.6	149
3395	Conserved microRNA targeting reveals preexisting gene dosage sensitivities that shaped amniote sex chromosome evolution. Genome Research, 2018, 28, 474-483.	2.4	34
3396	MiRâ€483â€5p and miRâ€139â€5p promote aggressiveness by targeting Nâ€myc downstreamâ€regulated gene members in adrenocortical cancer. International Journal of Cancer, 2018, 143, 944-957.	family 2.3	51
3397	Treating cancer with microRNA replacement therapy: A literature review. Journal of Cellular Physiology, 2018, 233, 5574-5588.	2.0	250
3398	Cocaine Exposure Increases Blood Pressure and Aortic Stiffness via the miR-30c-5p–Malic Enzyme 1–Reactive Oxygen Species Pathway. Hypertension, 2018, 71, 752-760.	1.3	21
3399	Functional Redundancy of DICER Cofactors TARBP2 and PRKRA During Murine Embryogenesis Does Not Involve miRNA Biogenesis. Genetics, 2018, 208, 1513-1522.	1.2	12
3400	Serum immune responses in common carp (Cyprinus carpio L.) to paraquat exposure: The traditional parameters and circulating microRNAs. Fish and Shellfish Immunology, 2018, 76, 133-142.	1.6	55
3401	MiR-25 promotes proliferation, differentiation and migration of osteoblasts by up-regulating Rac1 expression. Biomedicine and Pharmacotherapy, 2018, 99, 622-628.	2.5	17
3402	MicroRNAs in equine veterinary science. Equine Veterinary Journal, 2018, 50, 721-726.	0.9	10
3403	MiR-340/iASPP axis affects UVB-mediated retinal pigment epithelium (RPE) cell damage. Journal of Photochemistry and Photobiology B: Biology, 2018, 186, 9-16.	1.7	13
3404	c-Jun-mediated microRNA-302d-3p induces RPE dedifferentiation by targeting p21Waf1/Cip1. Cell Death and Disease, 2018, 9, 451.	2.7	15
3405	A Distributed Classifier for MicroRNA Target Prediction with Validation Through TCGA Expression Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1037-1051.	1.9	9
3406	Expression of granulosa cell microRNAs, AVEN and ATRX are associated with human blastocyst development. Molecular Reproduction and Development, 2018, 85, 836-848.	1.0	6
3407	Increased expression of microRNA-15a and microRNA-15b in skeletal muscle from adult offspring of women with diabetes in pregnancy. Human Molecular Genetics, 2018, 27, 1763-1771.	1.4	41

#	Article	IF	CITATIONS
3408	Cryo-EM Structure of Human Dicer and Its Complexes with a Pre-miRNA Substrate. Cell, 2018, 173, 1191-1203.e12.	13.5	117
3409	MicroRNA-216a Inhibits NF-κB-Mediated Inflammatory Cytokine Production in Teleost Fish by Modulating p65. Infection and Immunity, 2018, 86, .	1.0	60
3410	Developmental Origins of Chronic Lung Diseases. Mechanical Stretch, Micro-RNAs, and Hydrogels. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 267-270.	1.4	0
3411	Potential role of MicroRNA 200c gene expression in assessment of colorectal cancer. Archives of Biochemistry and Biophysics, 2018, 647, 41-46.	1.4	8
3412	Circulating microRNA as Emerging Biomarkers of Exercise. Exercise and Sport Sciences Reviews, 2018, 46, 160-171.	1.6	34
3413	MicroRNAS: Mapping out the road to amyotrophic lateral sclerosis. Muscle and Nerve, 2018, 58, 189-190.	1.0	О
3414	Rbfox1 Regulates Synaptic Transmission through the Inhibitory Neuron-Specific vSNARE Vamp1. Neuron, 2018, 98, 127-141.e7.	3.8	69
3415	The power of precise bioinformatics prediction of miRNA:mRNA interactions:miRâ€4699 as a potential inducer of Wnt signaling pathway. Journal of Cellular Biochemistry, 2018, 119, 5960-5969.	1.2	5
3416	MicroRNAâ€guided gene expression in prostate cancer: Literature and database overview. Journal of Gene Medicine, 2018, 20, e3016.	1.4	19
3417	Analysis of the DNA methylation profiles of miR - 9 - 3 , miR - $34a$, and miR - 137 promoters in patients with diabetic retinopathy and nephropathy. Journal of Diabetes and Its Complications, 2018, 32, 593-601.	1.2	10
3418	A negative feedback loop between microRNA-378 and Nrf1 promotes the development of hepatosteatosis in mice treated with a high fat diet. Metabolism: Clinical and Experimental, 2018, 85, 183-191.	1.5	34
3419	Circulating microRNAs as biomarkers in pediatric heart diseases. Progress in Pediatric Cardiology, 2018, 49, 50-52.	0.2	3
3420	Regulation of <i><scp>NCAPG</scp></i> by <i>miRâ€99aâ€3p</i> (passenger strand) inhibits cancer cell aggressiveness and is involved in <scp>CRPC</scp> . Cancer Medicine, 2018, 7, 1988-2002.	1.3	67
3421	JAMI: fast computation of conditional mutual information for ceRNA network analysis. Bioinformatics, 2018, 34, 3050-3051.	1.8	13
3422	Evolution of New miRNAs and Cerebro-Cortical Development. Annual Review of Neuroscience, 2018, 41, 119-137.	5.0	27
3423	Hiding in Plain Sight: Rediscovering the Importance of Noncoding RNA in Human Malignancy. Cancer Research, 2018, 78, 2149-2158.	0.4	9
3424	The TNF â€Î±â€induced expression of miRâ€130b protects cervical cancer cells from the cytotoxicity of TNF â€Î±. FEBS Open Bio, 2018, 8, 614-627.	1.0	18
3425	MicroRNA-Mediated Therapy Modulating Blood–Brain Barrier Disruption Improves Vascular Cognitive Impairment. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1392-1406.	1.1	68

#	Article	IF	CITATIONS
3426	MicroRNA regulation of Toll-like receptor signaling pathways in teleost fish. Fish and Shellfish Immunology, 2018, 75, 32-40.	1.6	57
3427	rSNPBase 3.0: an updated database of SNP-related regulatory elements, element-gene pairs and SNP-based gene regulatory networks. Nucleic Acids Research, 2018, 46, D1111-D1116.	6.5	26
3428	Regulation of UDP-Glucuronosyltransferase 2B15 by miR-331-5p in Prostate Cancer Cells Involves Canonical and Noncanonical Target Sites. Journal of Pharmacology and Experimental Therapeutics, 2018, 365, 48-59.	1.3	13
3429	Non-coding RNAs: long non-coding RNAs and microRNAs in endocrine-related cancers. Endocrine-Related Cancer, 2018, 25, R259-R282.	1.6	94
3430	Tacrolimus-induced nephrotoxicity in mice is associated with microRNA deregulation. Archives of Toxicology, 2018, 92, 1539-1550.	1.9	22
3431	Accessible miRNAs as Novel Toxicity Biomarkers. International Journal of Toxicology, 2018, 37, 116-120.	0.6	21
3432	Non-coding RNAs, epigenetics, and cancer: tying it all together. Cancer and Metastasis Reviews, 2018, 37, 55-73.	2.7	87
3433	Omics Contributions to the Molecular Mechanisms Regulating Bone Marrow Adipocyte Differentiation. Current Molecular Biology Reports, 2018, 4, 1-7.	0.8	0
3435	Cervical Cancer Markers: Epigenetics and microRNAs. Laboratory Medicine, 2018, 49, 97-111.	0.8	76
3436	Differential microRNA expression profiles in tamoxifen-resistant human breast cancer cell lines induced by two methods. Oncology Letters, 2018, 15, 3532-3539.	0.8	20
3437	Extracellular RNAs: A New Awareness of Old Perspectives. Methods in Molecular Biology, 2018, 1740, 1-15.	0.4	60
3438	Regulation of Bone Metabolism by microRNAs. Current Osteoporosis Reports, 2018, 16, 1-12.	1.5	79
3439	MicroRNA Networks in Breast Cancer Cells. Methods in Molecular Biology, 2018, 1711, 55-81.	0.4	15
3440	Unraveling the determinants of microRNA mediated regulation using a massively parallel reporter assay. Nature Communications, 2018, 9, 529.	5.8	36
3441	Functional impact of microRNA regulation in models of extreme stress adaptation. Journal of Molecular Cell Biology, 2018, 10, 93-101.	1.5	58
3442	RNase H2-Dependent Polymerase Chain Reaction and Elimination of Confounders in Sample Collection, Storage, and Analysis Strengthen Evidence That microRNAs in Bovine Milk Are Bioavailable in Humans. Journal of Nutrition, 2018, 148, 153-159.	1.3	87
3443	miRNA Quantification Method Using Quantitative Polymerase Chain Reaction in Conjunction with C q Method. Methods in Molecular Biology, 2018, 1706, 257-265.	0.4	8
3444	Statins differentially modulate microRNAs expression in peripheral cells of hyperlipidemic subjects: A pilot study. European Journal of Pharmaceutical Sciences, 2018, 117, 55-61.	1.9	22

#	Article	IF	CITATIONS
3445	PTRE-seq reveals mechanism and interactions of RNA binding proteins and miRNAs. Nature Communications, 2018, 9, 301.	5.8	33
3446	A novel microRNA, hsa-miR-6852 differentially regulated by Interleukin-27 induces necrosis in cervical cancer cells by downregulating the FoxM1 expression. Scientific Reports, 2018, 8, 900.	1.6	31
3447	miFAST: A novel and rapid microRNA target capture method. Molecular Carcinogenesis, 2018, 57, 559-566.	1.3	6
3448	Expression of microRNAs in the ascites of patients with peritoneal carcinomatosis and peritonitis. Cancer Cytopathology, 2018, 126, 353-363.	1.4	13
3449	Genetic polymorphisms of <i><scp>GPR</scp>126</i> are functionally associated with <scp>PUMC</scp> classifications of adolescent idiopathic scoliosis in a Northern Han population. Journal of Cellular and Molecular Medicine, 2018, 22, 1964-1971.	1.6	31
3450	Micro-RNA149 confers taxane resistance to malignant mesothelioma cells via regulation of P-glycoprotein expression. Cancer Biology and Therapy, 2018, 19, 181-187.	1.5	7
3451	Mesenchymal stromal cells prevent bleomycinâ€induced lung and skin fibrosis in aged mice and restore wound healing. Journal of Cellular Physiology, 2018, 233, 5503-5512.	2.0	38
3452	Transcriptional landscapes of Axolotl (Ambystoma mexicanum). Developmental Biology, 2018, 433, 227-239.	0.9	31
3454	Impact of nanomedicine on hepatic cytochrome P450 3A4 activity: things to consider during pre-clinical and clinical studies. Journal of Pharmaceutical Investigation, 2018, 48, 113-134.	2.7	3
3455	miRNA delivery for skin wound healing. Advanced Drug Delivery Reviews, 2018, 129, 308-318.	6.6	94
3456	Secretory microRNAs as biomarkers of cancer. Seminars in Cell and Developmental Biology, 2018, 78, 22-36.	2.3	81
3457	Identification of <i>miRâ€305</i> , a micro <scp>RNA</scp> that promotes aging, and its target <scp>mRNA</scp> s in <i>Drosophila</i> . Genes To Cells, 2018, 23, 80-93.	0.5	30
3458	Exosomal miRNAs as novel cancer biomarkers: Challenges and opportunities. Journal of Cellular Physiology, 2018, 233, 6370-6380.	2.0	180
3459	Fibroblast growth factor-2 and transforming growth factor-beta1 oppositely regulate miR-221 that targets thrombospondin-1 in bovine luteal endothelial cells. Biology of Reproduction, 2018, 98, 366-375.	1.2	21
3460	Human cytomegalovirus-encoded miR-UL112 contributes to HCMV-mediated vascular diseases by inducing vascular endothelial cell dysfunction. Virus Genes, 2018, 54, 172-181.	0.7	16
3461	Immune-related miRNA expression patterns in peripheral blood mononuclear cells differ in multiple sclerosis relapse and remission. Journal of Neuroimmunology, 2018, 317, 67-76.	1.1	45
3462	Integrative analysis reveals disrupted pathways regulated by microRNAs in cancer. Nucleic Acids Research, 2018, 46, 1089-1101.	6.5	28
3463	The role of microRNAs in glucocorticoid action. Journal of Biological Chemistry, 2018, 293, 1865-1874.	1.6	53

#	Article	IF	CITATIONS
3464	MicroRNA-focused CRISPR-Cas9 library screen reveals fitness-associated miRNAs. Rna, 2018, 24, 966-981.	1.6	58
3465	Epigenetic Mechanisms of Blood-Pressure Regulation. Molecular Biology, 2018, 52, 151-164.	0.4	2
3466	The deregulated microRNAome contributes to the cellular response to aneuploidy. BMC Genomics, 2018, 19, 197.	1.2	13
3467	Nuclear functions of mammalian MicroRNAs in gene regulation, immunity and cancer. Molecular Cancer, 2018, 17, 64.	7.9	257
3468	Up-regulation of miR-122 protects against neuronal cell death in ischemic stroke through the heat shock protein 70-dependent NF-κB pathway by targeting FOXO3. Experimental Cell Research, 2018, 369, 34-42.	1,2	41
3469	Regulation of primary micro <scp>RNA </scp> processing. FEBS Letters, 2018, 592, 1980-1996.	1.3	57
3470	Long non-coding RNAs: crucial regulators of gastrointestinal cancer cell proliferation. Cell Death Discovery, 2018, 4, 50.	2.0	37
3471	Circular <scp>RNA</scp> expression profile and potential function of hsa_circ_0045272 in systemic lupus erythematosus. Immunology, 2018, 155, 137-149.	2.0	74
3472	miR-206 is required for changes in cell adhesion that drive muscle cell morphogenesis in Xenopus laevis. Developmental Biology, 2018, 438, 94-110.	0.9	11
3473	Predictive Prognostic Value of Tissue-Based MicroRNA Expression in Oral Squamous Cell Carcinoma: A Systematic Review and Meta-analysis. Journal of Dental Research, 2018, 97, 759-766.	2.5	71
3474	Molecular pathogenesis of interstitial cystitis based on microRNA expression signature: miR-320 family-regulated molecular pathways and targets. Journal of Human Genetics, 2018, 63, 543-554.	1.1	16
3475	Dual strands of the miR-223 duplex (miR-223-5p and miR-223-3p) inhibit cancer cell aggressiveness: targeted genes are involved in bladder cancer pathogenesis. Journal of Human Genetics, 2018, 63, 657-668.	1.1	42
3476	miR-21 depletion in macrophages promotes tumoricidal polarization and enhances PD-1 immunotherapy. Oncogene, 2018, 37, 3151-3165.	2.6	90
3477	The impact of microRNA-122 and its target gene Sestrin-2 on the protective effect of ghrelin in angiotensin II-induced cardiomyocyte apoptosis. RSC Advances, 2018, 8, 10107-10114.	1.7	5
3478	Replication of GWAS identified miR-137 and its target gene polymorphisms in Schizophrenia of South Indian population and meta-analysis with Psychiatric Genomics Consortium. Schizophrenia Research, 2018, 199, 189-194.	1.1	12
3479	MicroRNA-1 suppresses proliferation, migration and invasion by targeting Notch2 in esophageal squamous cell carcinoma. Scientific Reports, 2018, 8, 5183.	1.6	30
3480	Análisis de la relación entre polimorfismos en regiones diana de micro-ARN y la enfermedad hepática alcohólica. Revista Clinica Espanola, 2018, 218, 170-176.	0.2	4
3481	Decreased Expression of Circulating miR-20a-5p in South African Women with Gestational Diabetes Mellitus. Molecular Diagnosis and Therapy, 2018, 22, 345-352.	1.6	59

#	ARTICLE	IF	Citations
3482	Deciphering synergistic regulatory networks of microRNAs in hESCs and fibroblasts. International Journal of Biological Macromolecules, 2018, 113, 1279-1286.	3.6	13
3483	Phase Transitions in the Assembly and Function of Human miRISC. Cell, 2018, 173, 946-957.e16.	13.5	205
3484	Metazoan MicroRNAs. Cell, 2018, 173, 20-51.	13.5	2,775
3485	miR2Pathway: A novel analytical method to discover MicroRNA-mediated dysregulated pathways involved in hepatocellular carcinoma. Journal of Biomedical Informatics, 2018, 81, 31-40.	2.5	4
3486	A Comprehensive Assessment of the Role of miRNAs as Biomarkers in Gastroenteropancreatic Neuroendocrine Tumors. Neuroendocrinology, 2018, 107, 73-90.	1.2	61
3487	miR-25 enhances cell migration and invasion in non-small-cell lung cancer cells via ERK signaling pathway by inhibiting KLF4. Molecular Medicine Reports, 2018, 17, 7005-7016.	1.1	29
3488	Complexities of post-transcriptional regulation and the modeling of ceRNA crosstalk. Critical Reviews in Biochemistry and Molecular Biology, 2018, 53, 231-245.	2.3	175
3489	Molecular mechanism of diabetic cardiomyopathy and modulation of microRNA function by synthetic oligonucleotides. Cardiovascular Diabetology, 2018, 17, 43.	2.7	53
3490	MicroRNAâ€'22 inhibits the proliferation and migration, and increases the cisplatin sensitivity, of osteosarcoma cells. Molecular Medicine Reports, 2018, 17, 7209-7217.	1.1	19
3491	Impact of novel oncogenic pathways regulated by antitumor <i>miRâ€451a</i> in renal cell carcinoma. Cancer Science, 2018, 109, 1239-1253.	1.7	39
3492	MicroRNA duplication accelerates the recruitment of new targets during vertebrate evolution. Rna, 2018, 24, 787-802.	1.6	16
3493	Targeting of G-Quadruplex Harboring Pre-miRNA 92b by LNA Rescues PTEN Expression in NSCL Cancer Cells. ACS Chemical Biology, 2018, 13, 909-914.	1.6	31
3494	MicroRNA-192-5p is a predictive biomarker of survival for Stage IIIB colon cancer patients. Japanese Journal of Clinical Oncology, 2018, 48, 619-624.	0.6	11
3495	Drosophila tsRNAs preferentially suppress general translation machinery via antisense pairing and participate in cellular starvation response. Nucleic Acids Research, 2018, 46, 5250-5268.	6.5	93
3496	A Novel Approach to Identify the miRNA-mRNA Causal Regulatory Modules in Cancer. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 309-315.	1.9	10
3497	Analyzing Differential Regulatory Networks Modulated by Continuous-State Genomic Features in Glioblastoma Multiforme. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1754-1764.	1.9	3
3498	MicroRNA Metabolism and Dysregulation in Amyotrophic Lateral Sclerosis. Molecular Neurobiology, 2018, 55, 2617-2630.	1.9	51
3499	Possible Role of microRNA-122 in Modulating Multidrug Resistance of Hepatocellular Carcinoma. Indian Journal of Clinical Biochemistry, 2018, 33, 21-30.	0.9	32

#	Article	IF	CITATIONS
3500	Effects of arsenic toxicity beyond epigenetic modifications. Environmental Geochemistry and Health, 2018, 40, 955-965.	1.8	73
3501	Stressâ€responsive microRNAs are involved in reâ€programming of metabolic functions in hibernators. Journal of Cellular Physiology, 2018, 233, 2695-2704.	2.0	22
3502	Recent computational developments on CLIP-seq data analysis and microRNA targeting implications. Briefings in Bioinformatics, 2018, 19, 1290-1301.	3.2	25
3503	Circulating exosomes in obstructive sleep apnea as phenotypic biomarkers and mechanistic messengers of end-organ morbidity. Respiratory Physiology and Neurobiology, 2018, 256, 143-156.	0.7	42
3504	The Stress-Responding miR-132-3p Shows Evolutionarily Conserved Pathway Interactions. Cellular and Molecular Neurobiology, 2018, 38, 141-153.	1.7	12
3505	MicroRNAs: Roles in Regulating Neuroinflammation. Neuroscientist, 2018, 24, 221-245.	2.6	184
3506	Stress-induced changes in miRNA biogenesis and functioning. Cellular and Molecular Life Sciences, 2018, 75, 177-191.	2.4	123
3507	A new centrality measure of nodes in multilayer networks under the framework of tensor computation. Applied Mathematical Modelling, 2018, 54, 46-63.	2.2	30
3508	Splicing factors as regulators of miRNA biogenesis – links to human disease. Seminars in Cell and Developmental Biology, 2018, 79, 113-122.	2.3	60
3509	CD105 is regulated by hsa-miR-1287 and its expression is inversely correlated with osteopotential in SHED. Bone, 2018, 106, 112-120.	1.4	18
3510	CCmiR: a computational approach for competitive and cooperative microRNA binding prediction. Bioinformatics, 2018, 34, 198-206.	1.8	10
3511	miR-519d Promotes Melanoma Progression by Downregulating EphA4. Cancer Research, 2018, 78, 216-229.	0.4	22
3512	Inducible MicroRNA-3570 Feedback Inhibits the RIG-I-Dependent Innate Immune Response to Rhabdovirus in Teleost Fish by Targeting MAVS/IPS-1. Journal of Virology, 2018, 92, .	1.5	74
3513	Targeting the lipid metabolic axis ACSL/SCD in colorectal cancer progression by therapeutic miRNAs: miR-19b-1 role. Journal of Lipid Research, 2018, 59, 14-24.	2.0	51
3514	MicroRNA. Journal of Allergy and Clinical Immunology, 2018, 141, 1202-1207.	1.5	1,587
3515	TDP-43 regulates cancer-associated microRNAs. Protein and Cell, 2018, 9, 848-866.	4.8	35
3516	Epigenetic regulation of melatonin receptors in neuropsychiatric disorders. British Journal of Pharmacology, 2018, 175, 3209-3219.	2.7	28
3517	Hypoxia-induced changes in plasma micro-RNAs correlate with pulmonary artery pressure at high altitude. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L157-L164.	1.3	26

#	Article	IF	Citations
3518	Role of nonâ€coding <scp>RNA</scp> s in head and neck squamous cell carcinoma: A narrative review. Oral Diseases, 2018, 24, 1417-1427.	1.5	52
3519	Breakthroughs in modern cancer therapy and elusive cardiotoxicity: Critical researchâ€practice gaps, challenges, and insights. Medicinal Research Reviews, 2018, 38, 325-376.	5.0	50
3520	Feedback Mechanisms for Cardiac-Specific MicroRNAs and cAMP Signaling in Electrical Remodeling. , 2018, , 219-225.		0
3521	Interaction and cross-talk between non-coding RNAs. Cellular and Molecular Life Sciences, 2018, 75, 467-484.	2.4	240
3522	The potential for targeted rewriting of epigenetic marks in COPD as a new therapeutic approach., 2018, 182, 1-14.		36
3523	Defining a microRNA-mRNA interaction map for calcineurin inhibitor induced nephrotoxicity. American Journal of Transplantation, 2018, 18, 796-809.	2.6	10
3524	Helixâ€ 7 in Argonaute2 shapes the microRNA seed region for rapid target recognition. EMBO Journal, 2018, 37, 75-88.	3. 5	63
3525	Evaluation and control of miRNA-like off-target repression for RNA interference. Cellular and Molecular Life Sciences, 2018, 75, 797-814.	2.4	75
3526	Circulating MicroRNA as Thrombosis Sentinels: Caveats and Considerations. Seminars in Thrombosis and Hemostasis, 2018, 44, 206-215.	1.5	18
3527	Correlation analyses revealed global microRNA–mRNA expression associations in human peripheral blood mononuclear cells. Molecular Genetics and Genomics, 2018, 293, 95-105.	1.0	12
3528	Endocrine and physiological regulation of neutral fat storage in Drosophila. Molecular and Cellular Endocrinology, 2018, 461, 165-177.	1.6	41
3529	mi <scp>RNA</scp> expression profile of mucoepidermoid carcinoma. Oral Diseases, 2018, 24, 537-543.	1.5	20
3530	Identification of rare noncoding sequence variants in gamma-aminobutyric acid A receptor, alpha 4 subunit in autism spectrum disorder. Neurogenetics, 2018, 19, 17-26.	0.7	5
3531	Emerging roles of DROSHA beyond primary microRNA processing. RNA Biology, 2018, 15, 186-193.	1.5	40
3532	miRNAome, mRNAome and degradome analysis of Tibetan minipigs anterior pituitary. General and Comparative Endocrinology, 2018, 259, 104-114.	0.8	4
3533	Exposure to bisphenol S alters the expression of microRNA in male zebrafish. Toxicology and Applied Pharmacology, 2018, 338, 191-196.	1.3	23
3534	MicroRNAâ€transcription factor interactions and their combined effect on target gene expression in colon cancer cases. Genes Chromosomes and Cancer, 2018, 57, 192-202.	1.5	42
3535	MicroRNAs and exosomes in depression: Potential diagnostic biomarkers. Journal of Cellular Biochemistry, 2018, 119, 3783-3797.	1,2	132

#	Article	IF	CITATIONS
3536	RSV vs. rhinovirus bronchiolitis: difference in nasal airway microRNA profiles and NFκB signaling. Pediatric Research, 2018, 83, 606-614.	1.1	42
3537	The inducible microRNA-203 in fish represses the inflammatory responses to Gram-negative bacteria by targeting IL-1 receptor-associated kinase 4. Journal of Biological Chemistry, 2018, 293, 1386-1396.	1.6	56
3538	RCA-enhanced multifunctional molecule beacon-based strand-displacement amplification for sensitive microRNA detection. Sensors and Actuators B: Chemical, 2018, 258, 470-477.	4.0	53
3539	miRNA suppression of a Notch repressor directs non-neuronal fate in <i>Drosophila</i> mechanosensory organs. Journal of Cell Biology, 2018, 217, 571-583.	2.3	6
3540	MicroRNA-100 Suppresses Chronic Vascular Inflammation by Stimulation of Endothelial Autophagy. Circulation Research, 2018, 122, 417-432.	2.0	100
3541	MicroRNA-630 inhibits breast cancer progression by directly targeting BMI1. Experimental Cell Research, 2018, 362, 378-385.	1.2	17
3542	MicroRNA-Directed Cancer Therapies: Implications in Melanoma Intervention. Journal of Pharmacology and Experimental Therapeutics, 2018, 364, 1-12.	1.3	40
3543	Clustering Distributions with the Marginalized Nested Dirichlet Process. Biometrics, 2018, 74, 584-594.	0.8	7
3544	A microRNA feedback loop regulates global microRNA abundance during aging. Rna, 2018, 24, 159-172.	1.6	37
3545	MicroRNA-574 suppresses oocyte maturation via targeting hyaluronan synthase 2 in porcine cumulus cells. American Journal of Physiology - Cell Physiology, 2018, 314, C268-C277.	2.1	23
3546	Differential Content of Proteins, mRNAs, and miRNAs Suggests that MDSC and Their Exosomes May Mediate Distinct Immune Suppressive Functions. Journal of Proteome Research, 2018, 17, 486-498.	1.8	84
3547	A Review of Physical Activity and Circulating miRNA Expression: Implications in Cancer Risk and Progression. Cancer Epidemiology Biomarkers and Prevention, 2018, 27, 11-24.	1.1	51
3548	MicroRNA profiling in MDA-MB-231 human breast cancer cell exposed to the Phaleria macrocarpa (Boerl.) fruit ethyl acetate fraction (PMEAF) through Illumina Hi-Seq technologies and various in silico bioinformatics tools. Journal of Ethnopharmacology, 2018, 213, 118-131.	2.0	2
3549	The role of microRNAs in chronic respiratory disease: recent insights. Biological Chemistry, 2018, 399, 219-234.	1.2	67
3550	Oral Cancer. Dental Clinics of North America, 2018, 62, 29-46.	0.8	36
3551	Circulating microRNAs as potential biomarkers in myasthenia gravis patients. Annals of the New York Academy of Sciences, 2018, 1412, 33-40.	1.8	36
3552	MicroRNA-186 suppresses lung cancer progression by targeting SIRT6. Cancer Biomarkers, 2018, 21, 415-423.	0.8	25
3553	miR-146a targets c-met and abolishes colorectal cancer liver metastasis. Cancer Letters, 2018, 414, 257-267.	3.2	45

#	Article	IF	CITATIONS
3554	Towards topical microRNA-directed therapy for epidermal disorders. Journal of Controlled Release, 2018, 269, 136-147.	4.8	32
3555	MicroRNAs as novel biomarkers for colorectal cancer: New outlooks. Biomedicine and Pharmacotherapy, 2018, 97, 1319-1330.	2.5	93
3556	miRNA expression profile is altered differentially in the rat brain compared to blood after experimental exposure to 50ÂHz and 1ÂmT electromagnetic field. Progress in Biophysics and Molecular Biology, 2018, 132, 35-42.	1.4	11
3557	Regulation of Smad mediated microRNA transcriptional response in ground squirrels during hibernation. Molecular and Cellular Biochemistry, 2018, 439, 151-161.	1.4	9
3558	MiRâ€216aâ€3p inhibits colorectal cancer cell proliferation through direct targeting COXâ€2 and ALOX5. Journal of Cellular Biochemistry, 2018, 119, 1755-1766.	1.2	59
3559	Role of microRNAs in alcohol-induced liver disorders and non-alcoholic fatty liver disease. World Journal of Gastroenterology, 2018, 24, 4104-4118.	1.4	88
3560	Downregulation of human choline kinaseÃ⁻¿½α gene expression by miR-876-5p. Molecular Medicine Reports, 2018, 17, 7442-7450.	1.1	6
3561	Epigenetic Biomarkers of Biological Age. , 2018, , .		0
3562	New insights of Helicobacter pylorihost-pathogen interactions: The triangle of virulence factors, epigenetic modifications and non-coding RNAs. World Journal of Clinical Cases, 2018, 6, 64-73.	0.3	10
3563	Circulating Cell-free Tumor Nucleic Acids in Gastric Cancer. The Korean Journal of Helicobacter and Upper Gastrointestinal Research, 2018, 18, 168.	0.1	0
3564	Anti-tumor roles of both strands of the <i>miR-455</i> duplex: their targets <i>SKA1</i> and <i>SKA3</i> are involved in the pathogenesis of renal cell carcinoma. Oncotarget, 2018, 9, 26638-26658.	0.8	22
3565	Nutrition and Ageing. Sub-Cellular Biochemistry, 2018, 90, 373-424.	1.0	11
3566	Correlation analysis between SNPs in microRNA-machinery genes and tuberculosis susceptibility in the Chinese Uygur population. Medicine (United States), 2018, 97, e13637.	0.4	7
3567	Loss of miR-143 and miR-145 in condyloma acuminatum promotes cellular proliferation and inhibits apoptosis by targeting NRAS. Royal Society Open Science, 2018, 5, 172376.	1.1	12
3568	Robust Computational Method for Identification of miRNA-mRNA Modules in Cervical Cancer., 2018,,.		0
3569	Molecular pathogenesis of esophageal squamous cell carcinoma: Identification of the antitumor effects of miR‹145‑3p on gene regulation. International Journal of Oncology, 2019, 54, 673-688.	1.4	20
3570	TargetScore used to reveal potential targets of miRNA203 and miRNA-146a in psoriasis by integrating microRNA overexpression and microarray data. Medicine (United States), 2018, 97, e12671.	0.4	7
3571	Genome-wide analysis of lncRNAs in 3'-untranslated regions: CR933609 acts as a decoy to protect the INO80D gene. International Journal of Oncology, 2018, 53, 417-433.	1.4	5

#	Article	IF	CITATIONS
3572	Let‑7b acts as a tumor suppressor in osteosarcoma via targeting IGF1R. Oncology Letters, 2019, 17, 1646-1654.	0.8	13
3573	Genome-scale MicroRNA target prediction through clustering with Dirichlet process mixture model. BMC Genomics, 2018, 19, 658.	1.2	6
3574	A Machine Learning Approach for the Classification of Kidney Cancer Subtypes Using miRNA Genome Data. Applied Sciences (Switzerland), 2018, 8, 2422.	1.3	36
3575	miRNAâ€'30d serves a critical function in colorectal cancer initiation, progression and invasion via directly targeting the GNA13 gene. Experimental and Therapeutic Medicine, 2019, 17, 260-272.	0.8	12
3576	Role of miRâ€155 in immune regulation and its relevance in oral lichen planus (Review). Experimental and Therapeutic Medicine, 2018, 17, 575-586.	0.8	8
3577	Recent progress in live cell mRNA/microRNA imaging probes based on smart and versatile nanomaterials. Journal of Materials Chemistry B, 2018, 6, 7773-7793.	2.9	25
3578	Sevofluraneâ€'induced neurotoxicity is driven by OXR1 postâ€'transcriptional downregulation involving hsaâ€'miRâ€'302e. Molecular Medicine Reports, 2018, 18, 4657-4665.	1.1	13
3579	Expression of microRNAâ€'377 and microRNAâ€'192 and their potential as bloodâ€'based biomarkers for early detection of type 2 diabetic nephropathy. Molecular Medicine Reports, 2018, 18, 1171-1180.	1.1	13
3580	Histone deacetylase inhibitors alter the expression of molecular markers in breast cancer cells via microRNAs. International Journal of Molecular Medicine, 2018, 42, 435-442.	1.8	6
3581	MicroRNAâ€'29a contributes to intracranial aneurysm by regulating the mitochondrial apoptotic pathway. Molecular Medicine Reports, 2018, 18, 2945-2954.	1.1	16
3582	A Scalable Genetic Programming Approach to Integrate miRNA-Target Predictions: Comparing Different Parallel Implementations of M3GP. Complexity, 2018, 2018, 1-13.	0.9	1
3583	The role of NR2C2 in the prolactinomas. Open Chemistry, 2018, 16, 817-826.	1.0	1
3584	miDerma: An Integrated Database and Tool for Analysis of miRNAs associated with Dermatological Disorders., 2018,,.		1
3585	Exosomal MicroRNA-10a Is Associated with Liver Regeneration in Rats through Downregulation of EphA4. Chinese Medical Journal, 2018, 131, 454-460.	0.9	11
3586	Post-Transcriptional Control of RNA Expression in Cancer. , 0, , .		2
3587	Transformations in Breakthrough Research: The Emergence of Mirnas as a Research Routine in Molecular Biology. Open Information Science, 2018, 2, 127-146.	0.4	2
3588	Genetic dissection of the miR-200–Zeb1 axis reveals its importance in tumor differentiation and invasion. Nature Communications, 2018, 9, 4671.	5.8	111
3589	Promoting hepatogenic differentiation of human mesenchymal stem cells using a novel laminin-containing gelatin cryogel scaffold. Biochemical and Biophysical Research Communications, 2018, 507, 15-21.	1.0	11

#	Article	IF	CITATIONS
3590	A Simplified System to Express Circularized Inhibitors of miRNA for Stable and Potent Suppression of miRNA Functions. Molecular Therapy - Nucleic Acids, 2018, 13, 556-567.	2.3	31
3591	MicroRNA-511 Inhibits Cellular Proliferation and Invasion in Colorectal Cancer by Directly Targeting Hepatoma-Derived Growth Factor. Oncology Research, 2018, 26, 1355-1363.	0.6	18
3592	Regulating gene expression in animals through RNA endonucleolytic cleavage. Heliyon, 2018, 4, e00908.	1.4	16
3593	Mapping the Pax6 3' untranslated region microRNA regulatory landscape. BMC Genomics, 2018, 19, 820.	1.2	6
3594	endo-siRBase: A multi-species developmental endo-siRNA repository and searchable database. , 2018, , .		0
3595	Anillin is required for tumor growth and regulated by miR-15a/miR-16-1 in HBV-related hepatocellular carcinoma. Aging, 2018, 10, 1884-1901.	1.4	49
3596	Herpes Simplex Virus 1 Deregulation of Host MicroRNAs. Non-coding RNA, 2018, 4, 36.	1.3	30
3597	Lung fibroblasts express a miR-19a-19b-20a sub-cluster to suppress TGF-Î ² -associated fibroblast activation in murine pulmonary fibrosis. Scientific Reports, 2018, 8, 16642.	1.6	22
3598	SF3B4 is regulated by microRNA-133b and promotes cell proliferation and metastasis in hepatocellular carcinoma. EBioMedicine, 2018, 38, 57-68.	2.7	40
3599	Gestational diabetes alters microRNA signatures in human feto-placental endothelial cells depending on fetal sex. Clinical Science, 2018, 132, 2437-2449.	1.8	37
3600	MicroRNAs: Pleiotropic Regulators in the Tumor Microenvironment. Frontiers in Immunology, 2018, 9, 2491.	2.2	58
3601	RNome: Evolution and Nature. , 2018, , 1-78.		0
3602	MicroRNA-8073: Tumor suppressor and potential therapeutic treatment. PLoS ONE, 2018, 13, e0209750.	1.1	21
3603	miR-148b Functions as a Tumor Suppressor by Targeting Endoplasmic Reticulum Metallo Protease 1 in Human Endometrial Cancer Cells. Oncology Research, 2018, 27, 81-88.	0.6	26
3604	miRâ€'200b and miRâ€'200c coâ€'contribute to the cisplatin sensitivity of ovarian cancer cells by targeting DNA methyltransferases. Oncology Letters, 2018, 17, 1453-1460.	0.8	34
3605	The evolutionary dynamics of microRNAs in domestic mammals. Scientific Reports, 2018, 8, 17050.	1.6	17
3606	The Multifaceted Interface Between Cytokines and microRNAs: An Ancient Mechanism to Regulate the Good and the Bad of Inflammation. Frontiers in Immunology, 2018, 9, 3012.	2.2	39
3607	miRNAs as Modulators of EGFR Therapy in Colorectal Cancer. Advances in Experimental Medicine and Biology, 2018, 1110, 133-147.	0.8	4

#	ARTICLE	IF	CITATIONS
3608	Role of HIF-1α in Alcohol-Mediated Multiple Organ Dysfunction. Biomolecules, 2018, 8, 170.	1.8	20
3609	Glucagon Like Peptide 1 and MicroRNA in Metabolic Diseases: Focusing on GLP1 Action on miRNAs. Frontiers in Endocrinology, 2018, 9, 719.	1.5	22
3610	MicroRNAs in pancreatic cancer diagnosis and therapy. Central-European Journal of Immunology, 2018, 43, 314-324.	0.4	49
3611	Kinetics of the chromosome 14 microRNA cluster ortholog and its potential role during placental development in the pregnant mare. BMC Genomics, 2018, 19, 954.	1.2	23
3612	High-yield production of human Dicer by transfection of human HEK293-EBNA1 cells grown in suspension. BMC Biotechnology, 2018, 18, 76.	1.7	3
3613	MicroRNA singleâ€nucleotide polymorphisms and diabetes mellitus: A comprehensive review. Clinical Genetics, 2019, 95, 451-461.	1.0	24
3614	miRNA Signature in NAFLD: A Turning Point for a Non-Invasive Diagnosis. International Journal of Molecular Sciences, 2018, 19, 3966.	1.8	98
3615	Concentrations of Purine Metabolites Are Elevated in Fluids from Adults and Infants and in Livers from Mice Fed Diets Depleted of Bovine Milk Exosomes and their RNA Cargos. Journal of Nutrition, 2018, 148, 1886-1894.	1.3	36
3616	The Biological Significance and Regulatory Mechanism of c-Myc Binding Protein 1 (MBP-1). International Journal of Molecular Sciences, 2018, 19, 3868.	1.8	18
3617	Pan-cancer characterisation of microRNA across cancer hallmarks reveals microRNA-mediated downregulation of tumour suppressors. Nature Communications, 2018, 9, 5228.	5.8	110
3618	Dietary plant miRNAs as an augmented therapy: cross-kingdom gene regulation. RNA Biology, 2018, 15, 1433-1439.	1.5	41
3619	Extracellular vesicles produced in B cells deliver tumor suppressor miR-335 to breast cancer cells disrupting oncogenic programming in vitro and in vivo. Scientific Reports, 2018, 8, 17581.	1.6	14
3620	Human Papillomavirus 16 Oncoproteins Downregulate the Expression of miR-148a-3p, miR-190a-5p, and miR-199b-5p in Cervical Cancer. BioMed Research International, 2018, 2018, 1-9.	0.9	19
3621	MicroRNA-Regulated Rickettsial Invasion into Host Endothelium via Fibroblast Growth Factor 2 and Its Receptor FGFR1. Cells, 2018, 7, 240.	1.8	7
3622	Protecting Pax6 3′ UTR from MicroRNA-7 Partially Restores PAX6 in Islets from an Aniridia Mouse Model. Molecular Therapy - Nucleic Acids, 2018, 13, 144-153.	2.3	10
3623	Sepiapterin alleviates impaired gastric nNOS function in spontaneous diabetic female rodents through NRF2 mRNA turnover and miRNA biogenesis pathway. American Journal of Physiology - Renal Physiology, 2018, 315, G980-G990.	1.6	12
3624	Steviol, a natural product inhibits proliferation of the gastrointestinal cancer cells intensively. Oncotarget, 2018, 9, 26299-26308.	0.8	39
3625	Competing Endogenous RNA Regulations in Neurodegenerative Disorders: Current Challenges and Emerging Insights. Frontiers in Molecular Neuroscience, 2018, 11, 370.	1.4	52

#	Article	IF	CITATIONS
3626	Restoration of microRNA‑130b expression suppresses osteosarcoma cell malignant behavior inÃ-¿½vitro. Oncology Letters, 2018, 16, 97-104.	0.8	4
3627	Revealing post-transcriptional microRNA–mRNA regulations in Alzheimer's disease through ensemble graphs. BMC Genomics, 2018, 19, 668.	1.2	2
3628	The role of gene sculptor microRNAs in human precancerous lesions. OncoTargets and Therapy, 2018, Volume 11, 5667-5675.	1.0	10
3629	Role of miR-223 in the pathophysiology of liver diseases. Experimental and Molecular Medicine, 2018, 50, 1-12.	3.2	77
3630	The Influence of Pre-analytical Factors on the Analysis of Circulating MicroRNA. MicroRNA (Shariqah,) Tj ETQq0 0	O ggBT /O	verlock 10 Tf
3631	miR-191 Inhibition Induces Apoptosis Through Reactivating Secreted Frizzled-Related Protein-1 in Cholangiocarcinoma. Cellular Physiology and Biochemistry, 2018, 49, 1933-1942.	1.1	17
3632	Negative correlation of cytoplasm TIMP3 with miR-222 indicates a good prognosis for NSCLC. OncoTargets and Therapy, 2018, Volume 11, 5551-5557.	1.0	20
3633	The sequence features that define efficient and specific hAGO2-dependent miRNA silencing guides. Nucleic Acids Research, 2018, 46, 8181-8196.	6.5	5
3634	Dynamic changes of circulating miRNAs induced by the Ebola virus vaccine VSV-EBOV. Vaccine, 2018, 36, 7083-7094.	1.7	6
3635	Positional integration of lung adenocarcinoma susceptibility loci with primary human alveolar epithelial cell epigenomes. Epigenomics, 2018, 10, 1167-1187.	1.0	14
3636	Relevance of MicroRNAs as Potential Diagnostic and Prognostic Markers in Colorectal Cancer. International Journal of Molecular Sciences, 2018, 19, 2944.	1.8	51
3637	New miRNA Signature Heralds Human NK Cell Subsets at Different Maturation Steps: Involvement of miR-146a-5p in the Regulation of KIR Expression. Frontiers in Immunology, 2018, 9, 2360.	2.2	47
3638	Predicting microRNA targeting efficacy in Drosophila. Genome Biology, 2018, 19, 152.	3.8	91
3639	On the role of extrinsic noise in microRNA-mediated bimodal gene expression. PLoS Computational Biology, 2018, 14, e1006063.	1.5	23
3640	Target RNAs Strike Back on MicroRNAs. Frontiers in Genetics, 2018, 9, 435.	1.1	69
3641	Key questions about the checkpoint blockade-are microRNAs an answer?. Cancer Biology and Medicine, 2018, 15, 103.	1.4	36
3642	Identification and characterization of microRNAs involved in scale biomineralization in the naked carp Gymnocypris przewalskii. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2018, 28, 196-203.	0.4	3
3643	Comparison of breast cancer metastasis models reveals a possible mechanism of tumor aggressiveness. Cell Death and Disease, 2018, 9, 1040.	2.7	36

#	Article	IF	CITATIONS
3644	DNA-methylation-mediated silencing of miR-486-5p promotes colorectal cancer proliferation and migration through activation of PLAGL2/IGF2/ \hat{l}^2 -catenin signal pathways. Cell Death and Disease, 2018, 9, 1037.	2.7	70
3645	Impact of miRNA in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, e159-e170.	1.1	145
3646	Discovery and validation of blood micro <scp>RNA</scp> s as molecular biomarkers of epilepsy: Ways to close current knowledge gaps. Epilepsia Open, 2018, 3, 427-436.	1.3	32
3647	Establishment of an miR‑137‑knockout cell model using CRISPR/Cas9 genome editing. Oncology Letters, 2018, 16, 4027-4032.	0.8	3
3648	Cellâ€Selective Delivery of MicroRNA with a MicroRNA–Peptide Conjugate Nanocomplex. Chemistry - an Asian Journal, 2018, 13, 3845-3849.	1.7	15
3649	Ars2 promotes cell proliferation and tumorigenicity in glioblastoma through regulating miR-6798-3p. Scientific Reports, 2018, 8, 15602.	1.6	6
3650	Clinical utility of microRNAs in renal cell carcinoma: current evidence and future perspectives. Expert Review of Molecular Diagnostics, 2018, 18, 981-991.	1.5	20
3651	MicroRNAs as Biomarkers of B-cell Lymphoma. Biomarker Insights, 2018, 13, 117727191880684.	1.0	25
3652	Ghrelin cascade changes in the peripheral blood of Japanese patients with Alzheimer's disease. Journal of Psychiatric Research, 2018, 107, 79-85.	1.5	10
3654	Emerging microRNA Therapeutic Approaches for Cystic Fibrosis. Frontiers in Pharmacology, 2018, 9, 1113.	1.6	29
3655	Evaluation of Circulating MicroRNA Biomarkers in the Acute Pancreatic Injury Dog Model. International Journal of Molecular Sciences, 2018, 19, 3048.	1.8	16
3656	Schwann cell-like differentiated adipose stem cells promote neurite outgrowth via secreted exosomes and RNA transfer. Stem Cell Research and Therapy, 2018, 9, 266.	2.4	97
3657	MicroRNAâ€'424 serves an antiâ€'oncogenic role by targeting cyclinâ€'dependent kinase�1 in breast cancer cells. Oncology Reports, 2018, 40, 3416-3426.	1.2	33
3658	The Emerging Role of Epigenetics. Translational Bioinformatics, 2018, , 65-101.	0.0	1
3659	Control of Immunoregulatory Molecules by miRNAs in T Cell Activation. Frontiers in Immunology, 2018, 9, 2148.	2.2	69
3660	Antagonistic and cooperative AGO2-PUM interactions in regulating mRNAs. Scientific Reports, 2018, 8, 15316.	1.6	28
3661	An Observational Cohort Feasibility Study to Identify Microvesicle and Micro-RNA Biomarkers of Acute Kidney Injury Following Pediatric Cardiac Surgery. Pediatric Critical Care Medicine, 2018, 19, 816-830.	0.2	8
3662	On the Importance of Host MicroRNAs During Viral Infection. Frontiers in Genetics, 2018, 9, 439.	1.1	160

#	Article	IF	CITATIONS
3663	MicroRNA-511 inhibits malignant behaviors of breast cancer by directly targeting SOX9 and regulating the PI3K/Akt pathway. International Journal of Oncology, 2018, 53, 2715-2726.	1.4	10
3664	MicroRNA-451a, microRNA-34a-5p, and microRNA-221-3p as predictors of response to antidepressant treatment. Brazilian Journal of Medical and Biological Research, 2018, 51, e7212.	0.7	54
3665	microRNA-300/NAMPT regulates inflammatory responses through activation of AMPK/mTOR signaling pathway in neonatal sepsis. Biomedicine and Pharmacotherapy, 2018, 108, 271-279.	2.5	36
3666	Roles of miR-200 family members in lung cancer: more than tumor suppressors. Future Oncology, 2018, 14, 2875-2886.	1.1	42
3667	Salivary MicroRNAs: Diagnostic Markers of Mild Traumatic Brain Injury in Contact-Sport. Frontiers in Molecular Neuroscience, 2018, 11, 290.	1.4	74
3668	Identification and verification of differentially expressed microRNAs and their target genes for the diagnosis of esophageal cancer. Oncology Letters, 2018, 16, 3642-3650.	0.8	20
3670	MicroRNA-204 Inhibits the Growth and Motility of Colorectal Cancer Cells by Downregulation of CXCL8. Oncology Research, 2018, 26, 1295-1305.	0.6	23
3671	Expression profile of plasma microRNAs and their roles in diagnosis of mild to severe traumatic brain injury. PLoS ONE, 2018, 13, e0204051.	1.1	32
3672	Novel Biomarkers for Prostate Cancer Detection and Prognosis. Advances in Experimental Medicine and Biology, 2018, 1095, 15-39.	0.8	19
3673	MicroRNAs in islet hormone secretion. Diabetes, Obesity and Metabolism, 2018, 20, 11-19.	2.2	45
3674	miRge 2.0 for comprehensive analysis of microRNA sequencing data. BMC Bioinformatics, 2018, 19, 275.	1.2	58
3675	Identification of the Differentially Expressed microRNAs Involved in Cleft Palate Induced by Retinoic Acid (RA) in Mouse Model. Journal of Hard Tissue Biology, 2018, 27, 243-249.	0.2	1
3676	Identification and characterization of microRNAs in the liver of rainbow trout in response to heat stress by high-throughput sequencing. Gene, 2018, 679, 274-281.	1.0	23
3677	Melatonin Inhibits the Progression of Hepatocellular Carcinoma through MicroRNA Let7i-3p Mediated RAF1 Reduction. International Journal of Molecular Sciences, 2018, 19, 2687.	1.8	32
3678	Largeâ€scale identification of functional microRNA targeting reveals cooperative regulation of the hemostatic system. Journal of Thrombosis and Haemostasis, 2018, 16, 2233-2245.	1.9	30
3679	Diabetes Modulates MicroRNAs 29b-3p, 29c-3p, 199a-5p and 532-3p Expression in Muscle: Possible Role in GLUT4 and HK2 Repression. Frontiers in Endocrinology, 2018, 9, 536.	1.5	50
3680	MicroRNA-212 Targets Mitogen-Activated Protein Kinase 1 to Inhibit Proliferation and Invasion of Prostate Cancer Cells. Oncology Research, 2018, 26, 1093-1102.	0.6	18
3681	Are microRNAs Important Players in HIV-1 Infection? An Update. Viruses, 2018, 10, 110.	1.5	61

#	ARTICLE	IF	CITATIONS
3682	Factors Associated with Heritable Pulmonary Arterial Hypertension Exert Convergent Actions on the miR-130/301-Vascular Matrix Feedback Loop. International Journal of Molecular Sciences, 2018, 19, 2289.	1.8	24
3683	Nucleic Acid Aptamers Targeting Epigenetic Regulators: An Innovative Therapeutic Option. Pharmaceuticals, $2018,11,79.$	1.7	10
3684	Targeting miR-9 in gastric cancer cells using locked nucleic acid oligonucleotides. BMC Molecular Biology, 2018, 19, 6.	3.0	16
3685	Crosstalk between MicroRNAs and Autophagy in Adult Neurogenesis: Implications for Neurodegenerative Disorders. Brain Plasticity, 2018, 3, 195-203.	1.9	8
3686	Molecular pathogenesis of renal cell carcinoma: Impact of the antiâ€tumor <i>miRâ€29</i> family on gene regulation. International Journal of Urology, 2018, 25, 953-965.	0.5	33
3687	p53 and Vascular Dysfunction: MicroRNA in Endothelial Cells. , 2018, , .		1
3688	miRâ€'340â€'5p: A potential direct regulator of Nrf2 expression in the postâ€'exercise skeletal muscle of mice. Molecular Medicine Reports, 2018, 19, 1340-1348.	1.1	6
3689	The emerging co-regulatory role of long noncoding RNAs in epithelial-mesenchymal transition and the Warburg effect in aggressive tumors. Critical Reviews in Oncology/Hematology, 2018, 126, 112-120.	2.0	16
3690	Sestrins are differentially expressed with age in the skeletal muscle of men: A cross-sectional analysis. Experimental Gerontology, 2018, 110, 23-34.	1.2	30
3691	MicroRNA-148b Targets the TGF- \hat{l}^2 Pathway to Regulate Angiogenesis and Endothelial-to-Mesenchymal Transition during Skin Wound Healing. Molecular Therapy, 2018, 26, 1996-2007.	3.7	67
3692	microRNA expression in tumour tissue and plasma in patients with newly diagnosed metastatic prostate cancer. Tumor Biology, 2018, 40, 101042831877586.	0.8	38
3693	microRNA Analysis in Prostate Cancer. , 2018, , 267-291.		0
3694	Identification of differentially expressed microRNAs in Sahiwal (Bos indicus) breed of cattle during thermal stress. Cell Stress and Chaperones, 2018, 23, 1019-1032.	1.2	20
3695	MicroRNAs in Exosomes in Cancer. , 2018, , 59-78.		4
3696	Circulating miRNAs Increasing the Risk of Cancer. , 2018, , 79-94.		1
3697	The Landscape of Circular RNA Expression Profiles in Papillary Thyroid Carcinoma Based on RNA Sequencing. Cellular Physiology and Biochemistry, 2018, 47, 1122-1132.	1.1	37
3698	Computational analysis of ribonomics datasets identifies long non-coding RNA targets of \hat{I}^3 -herpesviral miRNAs. Nucleic Acids Research, 2018, 46, 8574-8589.	6.5	25
3699	Arsenic-Induced Carcinogenesis: The Impact of miRNA Dysregulation. Toxicological Sciences, 2018, 165, 284-290.	1.4	32

#	Article	IF	CITATIONS
3700	In-depth profiling of miRNA regulation in the body wall of sea cucumber Apostichopus japonicus during skin ulceration syndrome progression. Fish and Shellfish Immunology, 2018, 79, 202-208.	1.6	5
3701	DeepMirTar: a deep-learning approach for predicting human miRNA targets. Bioinformatics, 2018, 34, 3781-3787.	1.8	65
3702	Mechanisms Linking Depression, Immune System and Epigenetics During Aging., 2018,, 339-356.		2
3703	HDL and Endothelium. , 2018, , 297-317.		4
3704	Comparison of stomach microRNA transcriptomes of Tibetan and Yorkshire pigs by deep sequencing. Genes and Genomics, 2018, 40, 937-943.	0.5	0
3705	Global characterization of the Dicer-like protein DrnB roles in miRNA biogenesis in the social amoeba <i>Dictyostelium discoideum</i> . RNA Biology, 2018, 15, 937-954.	1.5	9
3707	MicroRNA-141-3p/200a-3p target and may be involved in post-transcriptional repression of RNA decapping enzyme Dcp2 during renal development. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1724-1732.	0.6	4
3708	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. Journal of Nutritional Biochemistry, 2018, 59, 123-128.	1.9	47
3709	From Oxidative Stress Damage to Pathways, Networks, and Autophagy via MicroRNAs. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-16.	1.9	68
3710	A Comparative Evaluation of Emerging Databases and Tools for Cancer Noncoding RNAs. , 2018, , 497-507.		O
3711	miR-141-3p commonly regulates human UGT1A isoforms via different mechanisms. Drug Metabolism and Pharmacokinetics, 2018, 33, 203-210.	1.1	14
3712	Nucleic-acid based gene therapy approaches for sepsis. European Journal of Pharmacology, 2018, 833, 403-410.	1.7	11
3714	Sepsis: A Challenging Disease With New Promises for Personalized Medicine and Biomarker Discovery. , 2018, , 297-314.		1
3715	The Challenges and Opportunities in the Clinical Application of Noncoding RNAs: The Road Map for miRNAs and piRNAs in Cancer Diagnostics and Prognostics. International Journal of Genomics, 2018, 2018, 1-18.	0.8	34
3716	MicroRNA miR-223 as regulator of innate immunity. Journal of Leukocyte Biology, 2018, 104, 515-524.	1.5	127
3717	Epigenetic Mechanisms in Osteoporosis. , 2018, , 365-388.		3
3718	Potential role of microRNAs in the regulation of adipocytes liposecretion and adipose tissue physiology. Journal of Cellular Physiology, 2018, 233, 9077-9086.	2.0	30
3719	Targeting miRNA by tunable small molecule binders: peptidic aminosugar mediated interference in miR-21 biogenesis reverts epithelial to mesenchymal transition. MedChemComm, 2018, 9, 1147-1154.	3.5	18

#	Article	IF	Citations
3720	At the heart of programming: the role of micro-RNAs. Journal of Developmental Origins of Health and Disease, 2018, 9, 615-631.	0.7	6
3721	MicroRNAs of miR-17-92 cluster increase gene expression by targeting mRNA-destabilization pathways. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2018, 1861, 603-612.	0.9	5
3722	A dual role of miR-22 modulated by RelA/p65 in resensitizing fulvestrant-resistant breast cancer cells to fulvestrant by targeting FOXP1 and HDAC4 and constitutive acetylation of p53 at Lys382. Oncogenesis, 2018, 7, 54.	2.1	33
3723	Integrated miRNA and mRNA expression profiling to identify mRNA targets of dysregulated miRNAs in pulmonary tuberculosis. Epigenomics, 2018, 10, 1051-1069.	1.0	13
3724	Regulation of Spermatogenesis by Noncoding RNAs. , 2018, , 90-92.		0
3725	Expression Profiling Analysis Reveals Key MicroRNA–mRNA Interactions in Early Retinal Degeneration in Retinitis Pigmentosa. , 2018, 59, 2381.		19
3726	Nicking-enhanced rolling circle amplification for sensitive fluorescent detection of cancer-related microRNAs. Analytical and Bioanalytical Chemistry, 2018, 410, 6819-6826.	1.9	23
3727	The role of noncoding RNAs in regulating epithelial responses in COPD. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L184-L192.	1.3	6
3729	Systematic Assessment of Strategies for Lung-targeted Delivery of MicroRNA Mimics. Theranostics, 2018, 8, 1213-1226.	4.6	20
3730	MicroRNA signatures in cardiac biopsies and detection of allograft rejection. Journal of Heart and Lung Transplantation, 2018, 37, 1329-1340.	0.3	34
3731	StarSeeker: an automated tool for mature duplex microRNA sequence identification based on secondary structure modeling of precursor molecule. Journal of Biological Research, 2018, 25, 11.	2.2	3
3732	Circulating miRNAs as Putative Biomarkers of Exercise Adaptation in Endurance Horses. Frontiers in Physiology, 2018, 9, 429.	1.3	10
3733	Role of the SOX18 protein in neoplastic processes (Review). Oncology Letters, 2018, 16, 1383-1389.	0.8	11
3734	MicroRNA-199a Inhibits Cellular Autophagy and Downregulates IFN-Î ² Expression by Targeting TBK1 in Mycobacterium bovis Infected Cells. Frontiers in Cellular and Infection Microbiology, 2018, 8, 238.	1.8	28
3735	Integrative analysis of microRNAs and mRNAs revealed regulation of composition and metabolism in Nelore cattle. BMC Genomics, 2018, 19, 126.	1.2	53
3736	Milk exosomes are bioavailable and distinct microRNA cargos have unique tissue distribution patterns. Scientific Reports, 2018, 8, 11321.	1.6	288
3737	MicroRNAs as Immunotherapy Targets for Treating Gastroenterological Cancers. Canadian Journal of Gastroenterology and Hepatology, 2018, 2018, 1-20.	0.8	13
3738	Regulation of Ion Channels by MicroRNAs and the Implication for Epilepsy. Current Neurology and Neuroscience Reports, 2018, 18, 60.	2.0	31

#	Article	IF	CITATIONS
3739	iCopyDAV: Integrated platform for copy number variationsâ€"Detection, annotation and visualization. PLoS ONE, 2018, 13, e0195334.	1.1	43
3740	Non-Coding RNAs in Endometrial Physiopathology. International Journal of Molecular Sciences, 2018, 19, 2120.	1.8	77
3741	The Potential Contribution of microRNAs in Anti-cancer Effects of Aurora Kinase Inhibitor (AZD1152-HQPA). Journal of Molecular Neuroscience, 2018, 65, 444-455.	1.1	5
3742	Comparative analysis of miRNA profile in human dendritic cells infected with respiratory syncytial virus and human metapneumovirus. BMC Research Notes, 2018, 11, 432.	0.6	23
3743	MicroRNAs as potential biomarkers for diagnosis, therapy and prognosis of gastric cancer. OncoTargets and Therapy, 2018, Volume 11, 3891-3900.	1.0	55
3744	MicroRNA-21 in the Pathogenesis of Traumatic Brain Injury. Neurochemical Research, 2018, 43, 1863-1868.	1.6	21
3745	Small RNA-mediated prevention, diagnosis and therapies of cancer., 2018,, 341-436.		0
3747	Diversity and signature of small RNA in different bodily fluids using next generation sequencing. BMC Genomics, 2018, 19, 408.	1.2	63
3748	MicroRNAâ€'106a inhibits cell proliferation and induces apoptosis in colorectal cancer cells. Oncology Letters, 2018, 15, 8941-8944.	0.8	16
3749	Endocrine Regulation in the Ovary by MicroRNA during the Estrous Cycle. Frontiers in Endocrinology, 2017, 8, 378.	1.5	30
3750	The Destiny of Glucose from a MicroRNA Perspective. Frontiers in Endocrinology, 2018, 9, 46.	1.5	25
3751	MicroRNA, Proteins, and Metabolites as Novel Biomarkers for Prediabetes, Diabetes, and Related Complications. Frontiers in Endocrinology, 2018, 9, 180.	1.5	41
3752	Integrative Analysis Identifies Genetic Variants Associated With Autoimmune Diseases Affecting Putative MicroRNA Binding Sites. Frontiers in Genetics, 2018, 9, 139.	1.1	15
3753	MicroRNA-155—at the Critical Interface of Innate and Adaptive Immunity in Arthritis. Frontiers in Immunology, 2017, 8, 1932.	2.2	170
3754	MicroRNA Regulation of Host Immune Responses following Fungal Exposure. Frontiers in Immunology, 2018, 9, 170.	2.2	43
3755	Experimental Demyelination and Axonal Loss Are Reduced in MicroRNA-146a Deficient Mice. Frontiers in Immunology, 2018, 9, 490.	2.2	43
3756	The Regulatory Mechanisms and Therapeutic Potential of MicroRNAs: From Chronic Pain to Morphine Tolerance. Frontiers in Molecular Neuroscience, 2018, 11, 80.	1.4	32
3757	Using microRNA Networks to Understand Cancer. International Journal of Molecular Sciences, 2018, 19, 1871.	1.8	74

#	Article	IF	Citations
3758	Endothelial Cell Aging: How miRNAs Contribute?. Journal of Clinical Medicine, 2018, 7, 170.	1.0	25
3759	MiRNA Influences in Neuroblast Modulation: An Introspective Analysis. Genes, 2018, 9, 26.	1.0	10
3760	The Role of microRNAs in Alzheimer's Disease and Their Therapeutic Potentials. Genes, 2018, 9, 174.	1.0	90
3761	Circulating MicroRNAs as Biomarkers in Diffuse Large B-cell Lymphoma: A Pilot Prospective Longitudinal Clinical Study. Biomarkers in Cancer, 2018, 10, 1179299X1878109.	3.6	11
3762	Plant miRNAs and Phytomolecules As Anticancer Therapeutics. , 2018, , 27-41.		1
3763	Development of Novel Therapeutic Agents by Inhibition of Oncogenic MicroRNAs. International Journal of Molecular Sciences, 2018, 19, 65.	1.8	67
3764	Integrated MicroRNA–mRNA Analysis Reveals miR-204 Inhibits Cell Proliferation in Gastric Cancer by Targeting CKS1B, CXCL1 and GPRC5A. International Journal of Molecular Sciences, 2018, 19, 87.	1.8	41
3765	The Role of miRNAs in the Pathophysiology of Liver Diseases and Toxicity. International Journal of Molecular Sciences, 2018, 19, 261.	1.8	96
3766	The miRNA Mirage: How Close Are We to Finding a Non-Invasive Diagnostic Biomarker in Endometriosis? A Systematic Review. International Journal of Molecular Sciences, 2018, 19, 599.	1.8	86
3767	The Role of Curcumin in Prevention and Management of Metastatic Disease. International Journal of Molecular Sciences, 2018, 19, 1716.	1.8	56
3768	MicroRNA Control of TGF-Î ² Signaling. International Journal of Molecular Sciences, 2018, 19, 1901.	1.8	102
3769	MicroRNAs in Smoking-Related Carcinogenesis: Biomarkers, Functions, and Therapy. Journal of Clinical Medicine, 2018, 7, 98.	1.0	42
3770	RNA Interference Therapies for an HIV-1 Functional Cure. Viruses, 2018, 10, 8.	1.5	36
3771	The lncRNA male-specific abdominal plays a critical role in Drosophila accessory gland development and male fertility. PLoS Genetics, 2018, 14, e1007519.	1.5	53
3772	The tumor suppressor role of miR‑155‑5p in gastric cancer. Oncology Letters, 2018, 16, 2709-2714.	0.8	31
3773	Suppression of PDHX by microRNA-27b deregulates cell metabolism and promotes growth in breast cancer. Molecular Cancer, 2018, 17, 100.	7.9	52
3774	Small Molecule Inhibition of MicroRNA miR-21 Rescues Chemosensitivity of Renal-Cell Carcinoma to Topotecan. Journal of Medicinal Chemistry, 2018, 61, 5900-5909.	2.9	44
3775	Is HERV-K and HERV-W Expression Regulated by miR-155 in Kidney Transplant Patients with Human Cytomegalovirus Infection?. Intervirology, 2018, 61, 23-29.	1,2	5

#	Article	IF	CITATIONS
3776	Autophagy and Epigenetics., 2018,, 295-303.		0
3777	Changes in the microRNA expression profile during blood storage. BMJ Open Sport and Exercise Medicine, 2018, 4, e000354.	1.4	16
3778	Analysis of Purines and Pyrimidines distribution over miRNAs of Human, Gorilla, Chimpanzee, Mouse and Rat. Scientific Reports, 2018, 8, 9974.	1.6	13
3779	microRNA profiles and functions in mosquitoes. PLoS Neglected Tropical Diseases, 2018, 12, e0006463.	1.3	36
3780	Integrated multifactor analysis explores core dysfunctional modules in autism spectrum disorder. International Journal of Biological Sciences, 2018, 14, 811-818.	2.6	4
3781	Combinatorial Targeting by MicroRNAs Co-ordinates Post-transcriptional Control of EMT. Cell Systems, 2018, 7, 77-91.e7.	2.9	92
3782	The Emerging Role of microRNAs in Aquaporin Regulation. Frontiers in Chemistry, 2018, 6, 238.	1.8	31
3783	Small RNA and transcriptome sequencing reveal the role of miRâ€199aâ€3p in inflammatory processes in cystic fibrosis airways. Journal of Pathology, 2018, 245, 410-420.	2.1	35
3784	Hippocampal microRNA-mRNA regulatory network is affected by physical exercise. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1711-1720.	1.1	23
3785	MicroRNA expression in bovine preimplantation embryos. Reproduction, Fertility and Development, 2018, 30, 546.	0.1	8
3786	Genome-wide mRNA-miRNA profiling uncovers a role of the microRNA miR-29b-1-5p/PHLPP1 signalling pathway inHelicobacter pylori-driven matrix metalloproteinase production in gastric epithelial cells. Cellular Microbiology, 2018, 20, e12859.	1.1	13
3787	Expression and function of microRNA-9 in the mid-hindbrain area of embryonic chick. BMC Developmental Biology, 2018, 18, 3.	2.1	8
3788	MicroRNA-424/503 cluster members regulate bovine granulosa cell proliferation and cell cycle progression by targeting SMAD7 gene through activin signalling pathway. Journal of Ovarian Research, 2018, 11, 34.	1.3	30
3789	Micro RNA-155 inhibitor as a potential therapeutic strategy for the treatment of acute kidney injury (AKI): a nanomedicine perspective. RSC Advances, 2018, 8, 15890-15896.	1.7	10
3790	Non-coding RNA in cystic fibrosis. Biochemical Society Transactions, 2018, 46, 619-630.	1.6	29
3791	Integrative analyses of genes and microRNA expressions in human trisomy 21 placentas. BMC Medical Genomics, 2018, 11, 46.	0.7	9
3792	Ovarian extracellular MicroRNAs as the potential non-invasive biomarkers: An update. Biomedicine and Pharmacotherapy, 2018, 106, 1633-1640.	2.5	11
3793	Mosquito Innate Immunity. Insects, 2018, 9, 95.	1.0	111

#	Article	IF	CITATIONS
3794	Integrative transcriptome and microRNome analysis identifies dysregulated pathways in human Sertoli cells exposed to TCDD. Toxicology, 2018, 409, 112-118.	2.0	15
3795	Evolutionary divergence of 3' UTRs in cichlid fishes. BMC Genomics, 2018, 19, 433.	1.2	20
3796	The salient role of microRNAs in atherogenesis. Journal of Molecular and Cellular Cardiology, 2018, 122, 98-113.	0.9	26
3797	Regulation of birthweight by placenta-derived miRNAs: evidence from an arsenic-exposed birth cohort in Bangladesh. Epigenetics, 2018, 13, 573-590.	1.3	28
3798	A polymorphism rs3746444 within the preâ€miRâ€499 alters the maturation of miRâ€499â€5p and its antiapoptotic function. Journal of Cellular and Molecular Medicine, 2018, 22, 5418-5428.	1.6	17
3799	Pleiotropic functions of miR107 in cancer networks. OncoTargets and Therapy, 2018, Volume 11, 4113-4124.	1.0	16
3800	Long noncoding RNA: multiple players in gene expression. BMB Reports, 2018, 51, 280-289.	1.1	68
3801	Argonaute-miRNA Complexes Silence Target mRNAs in the Nucleus of Mammalian Stem Cells. Molecular Cell, 2018, 71, 1040-1050.e8.	4.5	107
3802	Inferring potential small molecule–miRNA association based on triple layer heterogeneous network. Journal of Cheminformatics, 2018, 10, 30.	2.8	65
3803	miR-146a is involved in the regulation of vertebrate LC-PUFA biosynthesis by targeting elovl5 as demonstrated in rabbitfish Siganus canaliculatus. Gene, 2018, 676, 306-314.	1.0	17
3804	Macro roles for microRNAs in neurodegenerative diseases. Non-coding RNA Research, 2018, 3, 154-159.	2.4	40
3805	SSCMDA: spy and super cluster strategy for MiRNA-disease association prediction. Oncotarget, 2018, 9, 1826-1842.	0.8	10
3806	Genome-wide identification of clusters of predicted microRNA binding sites as microRNA sponge candidates. PLoS ONE, 2018, 13, e0202369.	1.1	18
3807	Epigenetic Effects in Livestock Breeding. Russian Journal of Genetics, 2018, 54, 897-909.	0.2	10
3808	miR-141-3p is a key negative regulator of the EGFR pathway in osteosarcoma. OncoTargets and Therapy, 2018, Volume 11, 4461-4478.	1.0	23
3809	The Challenge of Translating System Biology into Targeted Therapy of Cancer. Computational Biology, 2018, , 175-194.	0.1	1
3810	Endogenous transcripts control miRNA levels and activity in mammalian cells by target-directed miRNA degradation. Nature Communications, 2018, 9, 3119.	5.8	121
3811	Direct measurement of pervasive weak repression by microRNAs and their role at the network level. BMC Genomics, 2018, 19, 362.	1.2	9

#	Article	IF	CITATIONS
3812	Small Non-coding RNA Expression and Vertebrate Anoxia Tolerance. Frontiers in Genetics, 2018, 9, 230.	1.1	27
3813	The Diverse Roles of microRNAs at the Host–Virus Interface. Viruses, 2018, 10, 440.	1.5	87
3814	Analysis of the relationship between interleukin polymorphisms within miRNA-binding regions and alcoholic liver disease. Revista Clínica Espanõla, 2018, 218, 170-176.	0.3	1
3815	Developmental profiling of microRNAs in the human embryonic inner ear. PLoS ONE, 2018, 13, e0191452.	1.1	19
3816	A high-throughput 3' UTR reporter screening identifies microRNA interactomes of cancer genes. PLoS ONE, 2018, 13, e0194017.	1.1	15
3817	Oncogene miR-187-5p is associated with cellular proliferation, migration, invasion, apoptosis and an increased risk of recurrence in bladder cancer. Biomedicine and Pharmacotherapy, 2018, 105, 461-469.	2.5	31
3818	MicroRNA-145 attenuates high glucose-induced oxidative stress and inflammation in retinal endothelial cells through regulating TLR4/NF-κB signaling. Life Sciences, 2018, 207, 212-218.	2.0	70
3819	Mitochondrial regulation in skeletal muscle: A role for nonâ€coding RNAs?. Experimental Physiology, 2018, 103, 1132-1144.	0.9	10
3820	A survey of microRNA single nucleotide polymorphisms identifies novel breast cancer susceptibility loci in a case-control, population-based study of African-American women. Breast Cancer Research, 2018, 20, 45.	2.2	15
3821	Genomeâ€wide identification, expression profiling, and target gene analysis of micro <scp>RNA</scp> s in the Onion thrips, <i>Thrips tabaci</i> Lindeman (Thysanoptera: Thripidae), vectors of tospoviruses (Bunyaviridae). Ecology and Evolution, 2018, 8, 6399-6419.	0.8	8
3822	MicroRNA-31 Targets Thymic Stromal Lymphopoietin in Mucosal Infiltrated CD4+ T Cells: A Role in Achieving Mucosal Healing in Ulcerative Colitis?. Inflammatory Bowel Diseases, 2018, 24, 2377-2385.	0.9	12
3823	MicroRNA-based classifiers for diagnosis of oral cavity squamous cell carcinoma in tissue and plasma. Oral Oncology, 2018, 83, 46-52.	0.8	41
3824	Novel roles for Sm-class RNAs in the regulation of gene expression. RNA Biology, 2018, 15, 856-862.	1.5	2
3825	LncRNA SNHG7 sponges miR-216b to promote proliferation and liver metastasis of colorectal cancer through upregulating GALNT1. Cell Death and Disease, 2018, 9, 722.	2.7	183
3826	Monogenic, Polygenic, and MicroRNA Markers for Ischemic Stroke. Molecular Neurobiology, 2019, 56, 1330-1343.	1.9	16
3827	Altered microRNA expression during Impaired Glucose Tolerance and High-fat Diet Feeding. Experimental and Clinical Endocrinology and Diabetes, 2019, 127, 524-532.	0.6	3
3828	Circulating miRs-183-5p, -206-3p and -381-3p may serve as novel biomarkers for 4,4'-methylene diphenyl diisocyanate exposure. Biomarkers, 2019, 24, 76-90.	0.9	9
3829	DNRLMF-MDA:Predicting microRNA-Disease Associations Based on Similarities of microRNAs and Diseases. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 233-243.	1.9	59

#	Article	IF	CITATIONS
3830	Sex differences in neural mechanisms mediating reward and addiction. Neuropsychopharmacology, 2019, 44, 166-183.	2.8	299
3831	Re-epithelialization of adult skin wounds: Cellular mechanisms and therapeutic strategies. Advanced Drug Delivery Reviews, 2019, 146, 344-365.	6.6	301
3832	Mechanistic Insights into MicroRNA-Mediated Gene Silencing. Cold Spring Harbor Perspectives in Biology, 2019, 11, a032771.	2.3	108
3833	Comprehensive analysis of the whole coding and non-coding RNA transcriptome expression profiles and construction of the circRNA–lncRNA co-regulated ceRNA network in laryngeal squamous cell carcinoma. Functional and Integrative Genomics, 2019, 19, 109-121.	1.4	46
3834	Circulating microRNAs as predictive biomarkers for liver disease progression of chronic hepatitis C (genotypeâ€4) Egyptian patients. Journal of Medical Virology, 2019, 91, 93-101.	2.5	15
3835	Regulation of Aldosterone Secretion. Vitamins and Hormones, 2019, 109, 241-263.	0.7	18
3836	Regulation of microRNA function inÂanimals. Nature Reviews Molecular Cell Biology, 2019, 20, 21-37.	16.1	1,556
3837	GIGSEA: genotype imputed gene set enrichment analysis using GWAS summary level data. Bioinformatics, 2019, 35, 160-163.	1.8	11
3838	Citrobacter rodentium alters the mouse colonic miRNome. Genes and Immunity, 2019, 20, 207-213.	2.2	2
3839	The association of pri-miRNA- 26a1 rs7372209 polymorphism and Preeclampsia susceptibility. Clinical and Experimental Hypertension, 2019, 41, 268-273.	0.5	8
3840	Molecular Changes in Diabetic Wound Healing following Administration of Vitamin D and Ginger Supplements: Biochemical and Molecular Experimental Study. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-13.	0.5	8
3841	Targeting Chromatin Remodeling for Cancer Therapy. Current Molecular Pharmacology, 2019, 12, 215-229.	0.7	37
3842	Cartilage and Bone Destruction in Arthritis: Pathogenesis and Treatment Strategy: A Literature Review. Cells, 2019, 8, 818.	1.8	101
3843	MicroRNA and LncRNA in the Vascular System. , 2019, , 149-158.		1
3844	microRNA-650 promotes inflammation induced apoptosis of intestinal epithelioid cells by targeting NLRP6. Biochemical and Biophysical Research Communications, 2019, 517, 551-556.	1.0	14
3845	MicroRNA Gene Regulation in Extremely Young and Parallel Adaptive Radiations of Crater Lake Cichlid Fish. Molecular Biology and Evolution, 2019, 36, 2498-2511.	3.5	24
3846	miRNA expression changes during the course of neoadjuvant bevacizumab and chemotherapy treatment in breast cancer. Molecular Oncology, 2019, 13, 2278-2296.	2.1	30
3847	MicroRNAs in Obesity and Related Metabolic Disorders. Cells, 2019, 8, 859.	1.8	144

#	Article	IF	CITATIONS
3848	MicroRNA-223 protects neurons from degeneration in experimental autoimmune encephalomyelitis. Brain, 2019, 142, 2979-2995.	3.7	51
3849	Up-regulation of circulating microRNA-17 is associated with lumbar radicular pain following disc herniation. Arthritis Research and Therapy, 2019, 21, 186.	1.6	18
3850	Cancer-associated mutations in DICER1 RNase IIIa and IIIb domains exert similar effects on miRNA biogenesis. Nature Communications, 2019, 10, 3682.	5.8	48
3851	MicroRNA expression in infertile men: its alterations and effects. Zygote, 2019, 27, 263-271.	0.5	17
3852	<p>miR-1-3p suppresses the epithelial-mesenchymal transition property in renal cell cancer by downregulating Fibronectin 1</p> . Cancer Management and Research, 2019, Volume 11, 5573-5587.	0.9	19
3853	miRâ€'496, miRâ€'1185, miRâ€'654, miRâ€'3183 and miRâ€'495 are downregulated in colorectal cancer cells and putative roles in the mTOR pathway. Oncology Letters, 2019, 18, 1657-1668.	have 0.8	8
3854	Developing new TB biomarkers, are miRNA the answer?. Tuberculosis, 2019, 118, 101860.	0.8	16
3855	VCP Machinery Mediates Autophagic Degradation of Empty Argonaute. Cell Reports, 2019, 28, 1144-1153.e4.	2.9	23
3856	Small non-coding RNAs as epigenetic regulators. , 2019, , 37-47.		0
3857	Differential Inhibition of Target Gene Expression by Human microRNAs. Cells, 2019, 8, 791.	1.8	14
3858	Microbiota, the brain and epigenetics. , 2019, , 423-443.		0
3859	The Influence of microRNAs in Regulation of Hormone Dependence in Prostate Cancer Cells. Russian Journal of Genetics, 2019, 55, 720-727.	0.2	0
3860	Effect of the miRâ€'96â€'5p inhibitor and mimic on the migration and invasion of the SW480â€'7 colorectal cancer cell line. Oncology Letters, 2019, 18, 1949-1960.	0.8	10
3861	Validation of extracellular miRNA quantification in blood samples using RTâ€qPCR. FASEB BioAdvances, 2019, 1, 481-492.	1.3	15
3862	The effect of H1N1 vaccination on serum miRNA expression in children: A tale of caution for microRNA microarray studies. PLoS ONE, 2019, 14, e0221143.	1.1	9
3863	Chicken gga-miR-1306-5p targets Tollip and plays an important role in host response against Salmonella enteritidis infection. Journal of Animal Science and Biotechnology, 2019, 10, 59.	2.1	16
3864	Harnessing host–virus evolution in antiviral therapy and immunotherapy. Clinical and Translational Immunology, 2019, 8, e1067.	1.7	27
3865	Comprehensive analysis of long noncoding RNAs and mRNAs expression profiles and functional networks during chondrogenic differentiation of murine ATDC5 cells. Acta Biochimica Et Biophysica Sinica, 2019, 51, 778-790.	0.9	1

#	Article	IF	CITATIONS
3866	Role of MicroRNA in the Diagnosis and Management of Hepatocellular Carcinoma. MicroRNA (Shariqah, United Arab Emirates), 2019, 9, 25-40.	0.6	11
3867	Decoding the Role of Platelets and Related MicroRNAs in Aging and Neurodegenerative Disorders. Frontiers in Aging Neuroscience, 2019, 11, 151.	1.7	34
3868	Identification and Functional Verification of MicroRNA-16 Family Targeting Intestinal Divalent Metal Transporter 1 (DMT1) in vitro and in vivo. Frontiers in Physiology, 2019, 10, 819.	1.3	13
3869	Screening of microRNAs controlling body fat in Drosophila melanogaster and identification of miR-969 and its target, Gr47b. PLoS ONE, 2019, 14, e0219707.	1.1	5
3870	Large-scale inference of competing endogenous RNA networks with sparse partial correlation. Bioinformatics, 2019, 35, i596-i604.	1.8	50
3871	Identifying microRNAs and Their Editing Sites in Macaca mulatta. Cells, 2019, 8, 682.	1.8	10
3872	MicroRNAâ€'889â€'3p targets FGFR2 to inhibit cervical cancer cell viability and invasion. Experimental and Therapeutic Medicine, 2019, 18, 1440-1448.	0.8	17
3873	Micro RNAs upregulated in Vitiligo skin play an important role in its aetiopathogenesis by altering TRP1 expression and keratinocyte-melanocytes cross-talk. Scientific Reports, 2019, 9, 10079.	1.6	27
3874	MiR-506 Suppresses Colorectal Cancer Development by Inhibiting Orphan Nuclear Receptor NR4A1 Expression. Journal of Cancer, 2019, 10, 3560-3570.	1.2	30
3875	Co-expression analysis reveals dysregulated miRNAs and miRNA-mRNA interactions in the development of contrast-induced acute kidney injury. PLoS ONE, 2019, 14, e0218574.	1.1	9
3876	A High-Throughput Screening Identifies MicroRNA Inhibitors That Influence Neuronal Maintenance and/or Response to Oxidative Stress. Molecular Therapy - Nucleic Acids, 2019, 17, 374-387.	2.3	19
3877	Regulation of cytochrome P450 expression by microRNAs and long noncoding RNAs: Epigenetic mechanisms in environmental toxicology and carcinogenesis. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2019, 37, 180-214.	2.9	50
3878	Application of Transcriptomics to Enhance Early Diagnostics of Mycobacterial Infections, with an Emphasis on Mycobacterium avium ssp. paratuberculosis. Veterinary Sciences, 2019, 6, 59.	0.6	16
3879	Dynamic Interplay between miRNAs and the Extracellular Matrix Influences the Tumor Microenvironment. Trends in Biochemical Sciences, 2019, 44, 1076-1088.	3.7	33
3880	MicroRNA (miRNA)-to-miRNA Regulation of Programmed Cell Death 4 (PDCD4). Molecular and Cellular Biology, 2019, 39, .	1.1	18
3881	MicroRNAâ€'18 promotes apoptosis of islet βâ€'cells via targeting NAV1. Experimental and Therapeutic Medicine, 2019, 18, 389-396.	0.8	8
3882	Protocols for the Analysis of microRNA Expression, Biogenesis, and Function in Immune Cells. Current Protocols in Immunology, 2019, 126, e78.	3.6	20
3883	The Role of Epigenetics in Addiction: Clinical Overview and Recent Updates. Methods in Molecular Biology, 2019, 2011, 609-631.	0.4	7

#	Article	IF	CITATIONS
3884	MicroRNA-130a has pro-fibroproliferative potential in hypertrophic scar by targeting CYLD. Archives of Biochemistry and Biophysics, 2019, 671, 152-161.	1.4	16
3885	MicroRNA targeting by quercetin in cancer treatment and chemoprotection. Pharmacological Research, 2019, 147, 104346.	3.1	68
3886	DNA nanotechnology approaches for microRNA detection and diagnosis. Nucleic Acids Research, 2019, 47, 10489-10505.	6.5	92
3887	Genome-Wide Identification of Putative MicroRNAs in Cassava (Manihot esculenta Crantz) and Their Functional Landscape in Cellular Regulation. BioMed Research International, 2019, 2019, 1-16.	0.9	11
3888	Serum miRNAs are potential biomarkers for the detection of disc degeneration, among which ⟨i⟩miRâ€26aâ€5p⟨/i⟩ suppresses Smad1 to regulate disc homeostasis. Journal of Cellular and Molecular Medicine, 2019, 23, 6679-6689.	1.6	11
3889	Multi-level remodeling of transcriptional landscapes in aging and longevity. BMB Reports, 2019, 52, 86-108.	1.1	42
3890	LncRNA NEAT1 promotes inflammatory response in sepsis-induced liver injury via the Let-7a/TLR4 axis. International Immunopharmacology, 2019, 75, 105731.	1.7	78
3891	miRNAs in depression vulnerability and resilience: novel targets for preventive strategies. Journal of Neural Transmission, 2019, 126, 1241-1258.	1.4	37
3892	miR-45la Inhibition Reduces Established Endometriosis Lesions in Mice. Reproductive Sciences, 2019, 26, 1506-1511.	1.1	13
3893	miR-21: a promising biomarker for the early detection of colon cancer. OncoTargets and Therapy, 2019, Volume 12, 5601-5607.	1.0	13
3894	Differential microRNA Expression in Porcine Endometrium Involved in Remodeling and Angiogenesis That Contributes to Embryonic Implantation. Frontiers in Genetics, 2019, 10, 661.	1.1	29
3895	Deep RNA-Seq reveals miRNome differences in mammary tissue of lactating Holstein and Montbéliarde cows. BMC Genomics, 2019, 20, 621.	1,2	36
3896	Molecular Classification and Prognostic Signatures of Breast Tumors. , 2019, , 129-138.		0
3897	MicroRNA Regulation of Epigenetic Modifiers in Breast Cancer. Cancers, 2019, 11, 897.	1.7	52
3898	An Isoxazole Derivative SHU00238 Suppresses Colorectal Cancer Growth through miRNAs Regulation. Molecules, 2019, 24, 2335.	1.7	13
3899	The câ€Mycâ€regulated miRâ€17â€92 cluster mediates ATRAâ€induced APL cell differentiation. Asia-Pacific Journ of Clinical Oncology, 2019, 15, 364-370.	al 0.7	6
3900	rs12416605:C>T in <i>MIR938</i> associates with gastric cancer through affecting the regulation of the <i>CXCL12</i> chemokine gene. Molecular Genetics & Enomic Medicine, 2019, 7, e832.	0.6	9
3901	Qianggan extract improved nonalcoholic steatohepatitis by modulating lncRNA/circRNA immune ceRNA networks. BMC Complementary and Alternative Medicine, 2019, 19, 156.	3.7	20

#	Article	IF	CITATIONS
3902	Long noncoding RNAs sustain high expression levels of exogenous octamer-binding protein 4 by sponging regulatory microRNAs during cellular reprogramming. Journal of Biological Chemistry, 2019, 294, 17863-17874.	1.6	10
3903	Explore prognostic marker of colorectal cancer based on ceRNA network. Journal of Cellular Biochemistry, 2019, 120, 19358-19370.	1.2	10
3904	MicroRNAâ€binding site polymorphisms and risk of colorectal cancer: A systematic review and metaâ€analysis. Cancer Medicine, 2019, 8, 7477-7499.	1.3	18
3905	The miR-200 family as prognostic markers in clear cell renal cell carcinoma. Urologic Oncology: Seminars and Original Investigations, 2019, 37, 955-963.	0.8	25
3906	Emerging role of microRNA 628-5p as a novel biomarker for cancer and other diseases. Tumor Biology, 2019, 41, 101042831988134.	0.8	11
3907	The Importance of microRNAs in RAS Oncogenic Activation in Human Cancer. Frontiers in Oncology, 2019, 9, 988.	1.3	18
3908	Therapeutic Targeting of Neutrophil Granulocytes in Inflammatory Liver Disease. Frontiers in Immunology, 2019, 10, 2257.	2.2	32
3909	Answer to Controversy: miR-10a Replacement Approaches Do Not Offer Protection against Chemotherapy-Induced Gonadotoxicity in Mouse Model. International Journal of Molecular Sciences, 2019, 20, 4958.	1.8	4
3910	Inferring Disease-Associated MicroRNAs Using Semi-supervised Multi-Label Graph Convolutional Networks. IScience, 2019, 20, 265-277.	1.9	33
3911	LncRNA-241 inhibits 1,2-Dichloroethane-induced hepatic apoptosis. Toxicology in Vitro, 2019, 61, 104650.	1.1	10
3912	Association between miR-146a C > G, miR-149 T > C, miR-196a2 T > C, and miR-499 A > G polymorphisms and susceptibility to idiopathic recurrent pregnancy loss. Journal of Assisted Reproduction and Genetics, 2019, 36, 2237-2244.	1,2	14
3913	Biomarkers for Detecting Resilience against Mycobacterial Disease in Animals. Infection and Immunity, 2019, 88, .	1.0	20
3914	MiRNA-802 suppresses proliferation and migration of epithelial ovarian cancer cells by targeting YWHAZ. Journal of Ovarian Research, 2019, 12, 100.	1.3	24
3915	LnCeVar: a comprehensive database of genomic variations that disturb ceRNA network regulation. Nucleic Acids Research, 2020, 48, D111-D117.	6.5	59
3916	Comprehensive transcriptomic analyses of tissue, serum, and serum exosomes from hepatocellular carcinoma patients. BMC Cancer, 2019, 19, 1007.	1.1	40
3917	Epigenetic Drugs for Cancer and microRNAs: A Focus on Histone Deacetylase Inhibitors. Cancers, 2019, 11, 1530.	1.7	40
3918	Phenotypical microRNA screen reveals a noncanonical role of CDK2 in regulating neutrophil migration. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18561-18570.	3.3	39
3919	Transcription Factors Targeted by miRNAs Regulating Smooth Muscle Cell Growth and Intimal Thickening after Vascular Injury. International Journal of Molecular Sciences, 2019, 20, 5445.	1.8	14

#	Article	IF	CITATIONS
3920	Pathogen inactivation with amotosalen plus UVA illumination minimally impacts microRNA expression in platelets during storage under standard blood banking conditions. Transfusion, 2019, 59, 3727-3735.	0.8	3
3921	MicroRNAs Affect Complement Regulator Expression and Mitochondrial Activity to Modulate Cell Resistance to Complement-Dependent Cytotoxicity. Cancer Immunology Research, 2019, 7, 1970-1983.	1.6	10
3922	The role of host miRNAs on Mycobacterium tuberculosis. ExRNA, 2019, 1, .	1.0	18
3923	Development of Unconventional T Cells Controlled by MicroRNA. Frontiers in Immunology, 2019, 10, 2520.	2.2	11
3924	Roles of microRNAs in abdominal aortic aneurysm pathogenesis and the possibility of their use as biomarkers. Kardiochirurgia I Torakochirurgia Polska, 2019, 16, 124-127.	0.1	4
3925	Renal Ca2+ and Water Handling in Response to Calcium Sensing Receptor Signaling: Physiopathological Aspects and Role of CaSR-Regulated microRNAs. International Journal of Molecular Sciences, 2019, 20, 5341.	1.8	18
3926	MicroRNA Applications in Marine Biology. Current Molecular Biology Reports, 2019, 5, 167-175.	0.8	3
3927	Use of circulating nucleic acids, metabolites, and proteins as clinical biomarkers for earlier prognosis and diagnosis of disease. , 2019, , 85-116.		2
3928	Altered human cytomegalovirus-encoded miRNAs in host circulation: novel disease biomarkers and potential aetiological agents. ExRNA, 2019, 1 , .	1.0	4
3929	miRâ€27a/b is a posttranscriptional regulator of Gpr126 (Adgrg6). Annals of the New York Academy of Sciences, 2019, 1456, 109-121.	1.8	3
3930	miRâ€4286 promotes prostate cancer progression via targeting the expression of SALL1. Journal of Gene Medicine, 2019, , e3127.	1.4	10
3931	Investigating the epi-miRNome: identification of epi-miRNAs using transfection experiments. Epigenomics, 2019, 11, 1581-1599.	1.0	11
3932	The Role of MicroRNAs in Diabetes-Related Oxidative Stress. International Journal of Molecular Sciences, 2019, 20, 5423.	1.8	19
3933	MicroRNA-1258 Inhibits the Proliferation and Migration of Human Colorectal Cancer Cells through Suppressing CKS1B Expression. Genes, 2019, 10, 912.	1.0	23
3934	Epigenetic biomarkers of asthma and allergic disorders. , 2019, , 139-169.		0
3935	Cell detachment rapidly induces changes in noncoding RNA expression in human mesenchymal stromal cells. BioTechniques, 2019, 67, 286-293.	0.8	9
3936	An Information Entropy-based Method to Detect microRNA Regulatory Module. IPSJ Transactions on Bioinformatics, 2019, 12, 1-8.	0.2	1
3937	Recent Progress on Circular RNA Research in Acute Myeloid Leukemia. Frontiers in Oncology, 2019, 9, 1108.	1.3	57

#	Article	IF	CITATIONS
3938	MicroRNAs and their regulatory networks in Chinese Gushi chicken abdominal adipose tissue during postnatal late development. BMC Genomics, 2019, 20, 778.	1.2	23
3939	Cooperativity between the 3' untranslated region microRNA binding sites is critical for the virulence of eastern equine encephalitis virus. PLoS Pathogens, 2019, 15, e1007867.	2.1	18
3940	Determining Immune and miRNA Biomarkers Related to Respiratory Syncytial Virus (RSV) Vaccine Types. Frontiers in Immunology, 2019, 10, 2323.	2.2	15
3941	<p>MicroRNA-761 targets FGFR1 to suppress the malignancy of osteosarcoma by deactivating Pl3K/Akt pathway</p> . OncoTargets and Therapy, 2019, Volume 12, 8501-8513.	1.0	11
3942	Expression of miR-34a-5p is up-regulated in human colorectal cancer and correlates with survival and clock gene PER2 expression. PLoS ONE, 2019, 14, e0224396.	1.1	38
3943	Feedback to the central dogma: cytoplasmic mRNA decay and transcription are interdependent processes. Critical Reviews in Biochemistry and Molecular Biology, 2019, 54, 385-398.	2.3	39
3944	Dynamics of microRNA expression during mouse prenatal development. Genome Research, 2019, 29, 1900-1909.	2.4	21
3945	Cotargeting among microRNAs in the brain. Genome Research, 2019, 29, 1791-1804.	2.4	27
3946	MicroRNAs as Therapeutic Targets in Nasopharyngeal Carcinoma. Frontiers in Oncology, 2019, 9, 756.	1.3	41
3947	Toward a Comprehensive View of MicroRNA Biology. Molecular Cell, 2019, 75, 666-668.	4.5	16
3948	Interplay of $TGF\hat{1}^2$ signaling and microRNA in thyroid cell loss of differentiation and cancer progression. Archives of Endocrinology and Metabolism, 2019, 63, 536-544.	0.3	5
3949	Gene Regulatory Networks in Peripheral Mononuclear Cells Reveals Critical Regulatory Modules and Regulators of Multiple Sclerosis. Scientific Reports, 2019, 9, 12732.	1.6	8
3950	MiR-376b-3p Is Associated With Long-term Response to Sunitinib in Metastatic Renal Cell Carcinoma Patients. Cancer Genomics and Proteomics, 2019, 16, 353-359.	1.0	17
3951	Inhibiting microRNA-7 Expression Exhibited a Protective Effect on Intestinal Mucosal Injury in TNBS-Induced Inflammatory Bowel Disease Animal Model. Inflammation, 2019, 42, 2267-2277.	1.7	12
3953	The expression levels of miR-655-3p, miR127-5p, miR-369-3p, miR-544a in gastric cancer. Turkish Journal of Biochemistry, 2019, 44, 487-491.	0.3	3
3954	Dietary bovine milk exosomes elicit changes in bacterial communities in C57BL/6 mice. American Journal of Physiology - Renal Physiology, 2019, 317, G618-G624.	1.6	87
3955	MicroRNA-96 regulates pancreatic \hat{l}^2 cell function under the pathological condition of diabetes mellitus through targeting Foxo1 and Sox6. Biochemical and Biophysical Research Communications, 2019, 519, 294-301.	1.0	10
3956	Insights into the Role of MicroRNAs in the Onset and Development of Diabetic Neuropathy. International Journal of Molecular Sciences, 2019, 20, 4627.	1.8	22

#	Article	IF	CITATIONS
3957	The role of T cell miRNAs for regulatory T cell induction in islet autoimmunity. Molecular Metabolism, 2019, 27, S122-S128.	3.0	12
3958	Global analyses of the dynamics of mammalian microRNA metabolism. Genome Research, 2019, 29, 1777-1790.	2.4	89
3959	MicroRNA Biogenesis Pathway Genes Are Deregulated in Colorectal Cancer. International Journal of Molecular Sciences, 2019, 20, 4460.	1.8	14
3960	Involvement of Dual Strands of miR-143 (miR-143-5p and miR-143-3p) and Their Target Oncogenes in the Molecular Pathogenesis of Lung Adenocarcinoma. International Journal of Molecular Sciences, 2019, 20, 4482.	1.8	48
3961	Deregulated miR-29b-3p Correlates with Tissue-Specific Activation of Intrinsic Apoptosis in An Animal Model of Amyotrophic Lateral Sclerosis. Cells, 2019, 8, 1077.	1.8	25
3962	The crucial role of DNA-dependent protein kinase and myelin transcription factor 1-like protein in the miR-141 tumor suppressor network. Cell Cycle, 2019, 18, 2876-2892.	1.3	4
3963	Conservation and novelty in the microRNA genomic landscape of hyperdiverse cichlid fishes. Scientific Reports, 2019, 9, 13848.	1.6	25
3964	Understanding the Modus Operandi of MicroRNA Regulatory Clusters. Cells, 2019, 8, 1103.	1.8	11
3965	MicroRNA in Pancreatic Cancer: From Biology to Therapeutic Potential. Genes, 2019, 10, 752.	1.0	81
3966	Extracellular miRNAs as Biomarkers of Head and Neck Cancer Progression and Metastasis. International Journal of Molecular Sciences, 2019, 20, 4799.	1.8	26
3967	Characterization of the Long Terminal Repeat of the Endogenous Retrovirus-derived microRNAs in the Olive Flounder. Scientific Reports, 2019, 9, 14007.	1.6	11
3968	MicroRNAâ€'203aâ€'3p is a candidate tumor suppressor that targets thrombospondin 2 in colorectal carcinoma. Oncology Reports, 2019, 42, 1825-1832.	1.2	11
3969	Gene regulatory network stabilized by pervasive weak repressions: microRNA functions revealed by the May–Wigner theory. National Science Review, 2019, 6, 1176-1188.	4.6	30
3970	MiR-20b Down-Regulates Intestinal Ferroportin Expression In Vitro and In Vivo. Cells, 2019, 8, 1135.	1.8	15
3971	Microarray expression and functional analysis of circular RNAs in the glomeruli of NZB/W F1 mice with lupus nephritis. Experimental and Therapeutic Medicine, 2019, 18, 2813-2824.	0.8	9
3972	Argonaute bypasses cellular obstacles without hindrance during target search. Nature Communications, 2019, 10, 4390.	5.8	16
3973	Genome-Wide Methylation Profiling in Canine Mammary Tumor Reveals miRNA Candidates Associated with Human Breast Cancer. Cancers, 2019, 11, 1466.	1.7	16
3974	miR‑183 inhibits microglia activation and expression of inflammatory factors in rats with cerebral ischemia reperfusion via NF‹⁰B signaling pathway. Experimental and Therapeutic Medicine, 2019, 18, 2540-2546.	0.8	22

#	Article	IF	CITATIONS
3976	<p>MicroRNA-155-3p promotes breast cancer progression through down-regulating CADM1</p> . OncoTargets and Therapy, 2019, Volume 12, 7993-8002.	1.0	31
3977	miRNAs in drug response variability: potential utility as biomarkers for personalized medicine. Pharmacogenomics, 2019, 20, 1049-1059.	0.6	20
3978	Microbial regulation of microRNA expression in the brain–gut axis. Current Opinion in Pharmacology, 2019, 48, 120-126.	1.7	16
3979	Expression and gene regulation network of INHBA in Head and neck squamous cell carcinoma based on data mining. Scientific Reports, 2019, 9, 14341.	1.6	9
3980	MicroRNA Mediated Changes in Drug Metabolism and Target Gene Expression by Efavirenz and Rifampicin <i>In Vitro</i> : Clinical Implications. OMICS A Journal of Integrative Biology, 2019, 23, 496-507.	1.0	7
3981	Comprehensive Analysis of Human microRNA–mRNA Interactome. Frontiers in Genetics, 2019, 10, 933.	1.1	105
3982	<i>Mirc11</i> Disrupts Inflammatory but Not Cytotoxic Responses of NK Cells. Cancer Immunology Research, 2019, 7, 1647-1662.	1.6	11
3983	miR-17â^1/492 in lymphocyte development and lymphomagenesis. Cancer Letters, 2019, 446, 73-80.	3.2	8
3984	Mesenchymal stem cells in psoriatic lesions affect the skin microenvironment through circular <scp>RNA</scp> . Experimental Dermatology, 2019, 28, 292-299.	1.4	26
3985	Suppression of miRNA let-7i-5p promotes cardiomyocyte proliferation and repairs heart function post injury by targetting CCND2 and E2F2. Clinical Science, 2019, 133, 425-441.	1.8	37
3986	Differential Expression Profiles and Functional Predication of Circular Ribonucleic Acid in Traumatic Spinal Cord Injury of Rats. Journal of Neurotrauma, 2019, 36, 2287-2297.	1.7	36
3987	Increased Expression of MicroRNA 551a by c-Fos Reduces Focal Adhesion Kinase Levels and Blocks Tumorigenesis. Molecular and Cellular Biology, 2019, 39, .	1.1	13
3988	HIV-1 infection increases microRNAs that inhibit Dicer1, HRB and HIV-EP2, thereby reducing viral replication. PLoS ONE, 2019, 14, e0211111.	1,1	22
3989	miR-24 is involved in vertebrate LC-PUFA biosynthesis as demonstrated in marine teleost Siganus canaliculatus. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 619-628.	1.2	19
3990	Characterization of a novel microRNA, miR-188, elevated in serum of muscular dystrophy dog model. PLoS ONE, 2019, 14, e0211597.	1.1	13
3991	Circular RNA Expression Alteration and Bioinformatics Analysis in Rats After Traumatic Spinal Cord Injury. Frontiers in Molecular Neuroscience, 2018, 11, 497.	1.4	47
3992	Dgcr8 knockout approaches to understand microRNA functions in vitro and in vivo. Cellular and Molecular Life Sciences, 2019, 76, 1697-1711.	2.4	28
3993	MicroRNA-377 Targets Zinc Finger E-box-Binding Homeobox 2 to Inhibit Cell Proliferation and Invasion of Cervical Cancer. Oncology Research, 2019, 27, 183-192.	0.6	22

#	ARTICLE	IF	Citations
3994	An Overview of miRNA and miRNA Target Analysis Tools. Methods in Molecular Biology, 2019, 1932, 65-87.	0.4	11
3995	Integrative analysis of h-prune as a potential therapeutic target for hepatocellular carcinoma. EBioMedicine, 2019, 41, 310-319.	2.7	9
3996	A scrutiny of circulating microRNA biomarkers for drug-induced tubular and glomerular injury in rats. Toxicology, 2019, 415, 26-36.	2.0	15
3997	Mechanistic Computational Models of MicroRNA-Mediated Signaling Networks in Human Diseases. International Journal of Molecular Sciences, 2019, 20, 421.	1.8	17
3998	Next-Generation Sequencing Reveals the Role of Epigallocatechin-3-Gallate in Regulating Putative Novel and Known microRNAs Which Target the MAPK Pathway in Non-Small-Cell Lung Cancer A549 Cells. Molecules, 2019, 24, 368.	1.7	35
3999	CMEP: a database for circulating microRNA expression profiling. Bioinformatics, 2019, 35, 3127-3132.	1.8	21
4000	Increased growth rate and productivity following stable depletion of miR-7 in a mAb producing CHO cell line causes an increase in proteins associated with the Akt pathway and ribosome biogenesis. Journal of Proteomics, 2019, 195, 23-32.	1.2	12
4001	Loss of microRNA-23–27–24 clusters in skeletal muscle is not influential in skeletal muscle development and exercise-induced muscle adaptation. Scientific Reports, 2019, 9, 1092.	1.6	16
4002	Exploratory study of sport-related concussion effects on peripheral micro-RNA expression. Brain Injury, 2019, 33, 1-7.	0.6	14
4003	The Potential Role of Dysregulated miRNAs in Alzheimer's Disease Pathogenesis and Progression. Journal of Alzheimer's Disease, 2019, 67, 1123-1145.	1.2	13
4004	Identification of the miRNA-mRNA regulatory network of antler growth centers. Journal of Biosciences, 2019, 44, 1.	0.5	8
4005	MicroRNA Cross-Involvement in Autism Spectrum Disorders and Atopic Dermatitis: A Literature Review. Journal of Clinical Medicine, 2019, 8, 88.	1.0	35
4006	Identification of microRNA clusters cooperatively acting on epithelial to mesenchymal transition in triple negative breast cancer. Nucleic Acids Research, 2019, 47, 2205-2215.	6.5	65
4007	Novel biomarkers to assess in utero effects of maternal opioid use: First steps toward understanding short―and longâ€ŧerm neurodevelopmental sequelae. Genes, Brain and Behavior, 2019, 18, e12583.	1.1	12
4008	Dysregulated microRNAs in colorectal carcinogenesis: New insight to cell survival and apoptosis regulation. Journal of Cellular Physiology, 2019, 234, 21683-21693.	2.0	26
4009	Delivery of MicroRNAs by Chitosan Nanoparticles to Functionally Alter Macrophage Cholesterol Efflux <i>in Vitro</i> and <i>in Vivo</i> ACS Nano, 2019, 13, 6491-6505.	7.3	98
4010	Skeletal Muscle Wasting and Its Relationship With Osteoarthritis: a Mini-Review of Mechanisms and Current Interventions. Current Rheumatology Reports, 2019, 21, 40.	2.1	81
4011	miR-26a promotes hepatocellular carcinoma invasion and metastasis by inhibiting PTEN and inhibits cell growth by repressing EZH2. Laboratory Investigation, 2019, 99, 1484-1500.	1.7	28

#	ARTICLE	IF	CITATIONS
4012	Involvement of plasma miRNAs, muscle miRNAs and mitochondrial miRNAs in the pathophysiology of frailty. Experimental Gerontology, 2019, 124, 110637.	1.2	34
4013	<p>miR-6716-5p promotes metastasis of colorectal cancer through downregulating NAT10 expression</p> . Cancer Management and Research, 2019, Volume 11, 5317-5332.	0.9	37
4014	Exosomal microRNA and stroke: A review. Journal of Cellular Biochemistry, 2019, 120, 16352-16361.	1.2	24
4015	Of seeds and supplements: structural insights into extended micro <scp>RNA</scp> –target pairing. EMBO Journal, 2019, 38, e102477.	3.5	3
4016	Can Epigenetics of Endothelial Dysfunction Represent the Key to Precision Medicine in Type 2 Diabetes Mellitus?. International Journal of Molecular Sciences, 2019, 20, 2949.	1.8	27
4017	Total internal reflection-based single-vesicle in situ quantitative and stoichiometric analysis of tumor-derived exosomal microRNAs for diagnosis and treatment monitoring. Theranostics, 2019, 9, 4494-4507.	4.6	77
4018	MicroRNA-Dependent Gene Regulation of the Human Cytochrome P450., 2019, , 129-138.		2
4019	MicroRNAs change the games in central nervous system pharmacology. Biochemical Pharmacology, 2019, 168, 162-172.	2.0	18
4020	A Systematic Review of MicroRNA Expression as Biomarker of Late-Onset Alzheimer's Disease. Molecular Neurobiology, 2019, 56, 8376-8391.	1.9	61
4021	Pharmacoepigenetics of Statins. , 2019, , 817-825.		0
4022	Pharmacoepigenetics of Memantine in Dementia. , 2019, , 827-835.		0
4023	Prediction of genes and protein-protein interaction networking for miR-221-5p using bioinformatics analysis. Gene Reports, 2019, 16, 100426.	0.4	2
4024	MicroRNA expression profiles of neuron-derived extracellular vesicles in plasma from patients with amyotrophic lateral sclerosis. Neuroscience Letters, 2019, 708, 134176.	1.0	66
4025	Novel Role for miR-1290 in Host Species Specificity of Influenza A Virus. Molecular Therapy - Nucleic Acids, 2019, 17, 10-23.	2.3	20
4026	Inducible overexpression of zebrafish microRNA-722 suppresses chemotaxis of human neutrophil like cells. Molecular Immunology, 2019, 112, 206-214.	1.0	13
4027	Tumor‑suppressive microRNA‑223 targets WDR62 directly in bladder cancer. International Journal of Oncology, 2019, 54, 2222-2236.	1.4	16
4028	3′ Uridylation Confers miRNAs with Non-canonical Target Repertoires. Molecular Cell, 2019, 75, 511-522.e4.	4.5	66
4029	MiRâ€199aâ€3p inhibition facilitates cardiomyocyte differentiation of embryonic stem cell through promotion of MEF2C. Journal of Cellular Physiology, 2019, 234, 23315-23325.	2.0	17

#	ARTICLE	IF	CITATIONS
4030	MicroRNA and Nonsense Transcripts as Putative Viral Evasion Mechanisms. Frontiers in Cellular and Infection Microbiology, 2019, 9, 152.	1.8	5
4031	MicroRNAs in Respiratory Diseases. , 2019, , 89-131.		1
4032	Transcription factor KLF4 modulates microRNA-106a that targets Smad7 in gastric cancer. Pathology Research and Practice, 2019, 215, 152467.	1.0	18
4033	Modelling and measuring intracellular competition for finite resources during gene expression. Journal of the Royal Society Interface, 2019, 16, 20180887.	1.5	28
4034	Multifaceted Roles of microRNAs in Host-Bacterial Pathogen Interaction. Microbiology Spectrum, 2019, 7, .	1.2	15
4035	MicroRNA based theranostics for brain cancer: basic principles. Journal of Experimental and Clinical Cancer Research, 2019, 38, 231.	3.5	81
4036	MicroRNAs in Alzheimer's Disease: Diagnostic Markers or Therapeutic Agents?. Frontiers in Pharmacology, 2019, 10, 665.	1.6	105
4037	Epigenetics and Regeneration: An Overview. , 2019, , 1-15.		1
4038	Noncoding RNAs as Regulators of Gene Expression in Pluripotency and Differentiation., 2019,, 73-105.		0
4039	Modulation of miRNA function by natural and synthetic RNA-binding proteins in cancer. Cellular and Molecular Life Sciences, 2019, 76, 3745-3752.	2.4	49
4040	MicroRNA heterogeneity in melanoma progression. Seminars in Cancer Biology, 2019, 59, 208-220.	4.3	24
4041	MicroRNA expression profile in retina and choroid in oxygen-induced retinopathy model. PLoS ONE, 2019, 14, e0218282.	1.1	36
4042	Somatic Mutations in miRNA Genes in Lung Cancerâ€"Potential Functional Consequences of Non-Coding Sequence Variants. Cancers, 2019, 11, 793.	1.7	37
4043	Cell Cycle–Dependent Regulation and Function of ARGONAUTE1 in Plants. Plant Cell, 2019, 31, 1734-1750.	3.1	24
4044	Circulating biomarkers for early detection and clinical management of colorectal cancer. Molecular Aspects of Medicine, 2019, 69, 107-122.	2.7	214
4045	Hydroxyurea-Induced miRNA Expression in Sickle Cell Disease Patients in Africa. Frontiers in Genetics, 2019, 10, 509.	1.1	20
4046	Roles of extracellular microRNAs in central nervous system. ExRNA, 2019, 1, .	1.0	1
4047	MicroRNAs as Molecular Switches in Macrophage Activation. Frontiers in Immunology, 2019, 10, 799.	2.2	137

#	ARTICLE	IF	CITATIONS
4048	Endoplasmic reticulum and the microRNA environment in the cardiovascular system. Canadian Journal of Physiology and Pharmacology, 2019, 97, 515-527.	0.7	3
4049	Biogenesis and function of extracellular miRNAs. ExRNA, 2019, 1, .	1.0	76
4050	Testicular miRNAs in relation to spermatogenesis, spermatogonial stem cells and cancer/testis genes. Scientific African, 2019, 3, e00067.	0.7	6
4051	miR-450a Acts as a Tumor Suppressor in Ovarian Cancer by Regulating Energy Metabolism. Cancer Research, 2019, 79, 3294-3305.	0.4	51
4052	Identification of potential biomarkers for diagnosis of pancreatic and biliary tract cancers by sequencing of serum microRNAs. BMC Medical Genomics, 2019, 12, 62.	0.7	19
4053	Antiviral RNAi in Insects and Mammals: Parallels and Differences. Viruses, 2019, 11, 448.	1.5	67
4054	Identification of genes under dynamic post-transcriptional regulation from time-series epigenomic data. Epigenomics, 2019, 11, 619-638.	1.0	2
4055	Role of miRNA in the Transmission of Metabolic Diseases Associated With Paternal Diet-Induced Obesity. Frontiers in Genetics, 2019, 10, 337.	1.1	46
4056	MicroRNA-130b functions as an oncomiRNA in non-small cell lung cancer by targeting tissue inhibitor of metalloproteinase-2. Scientific Reports, 2019, 9, 6956.	1.6	34
4057	The targeting of MTDH by miR‑145‑5p or miR‑145‑3p is associated with prognosis and regulates the gro and metastasis of prostate cancer cells. International Journal of Oncology, 2019, 54, 1955-1968.	wth 1.4	10
4058	Screening candidate microRNAâ€mRNA network for predicting the response to chemoresistance in osteosarcoma by bioinformatics analysis. Journal of Cellular Biochemistry, 2019, 120, 16798-16810.	1.2	12
4059	Molecular signature of selective microRNAs in Cyprinus carpio (Linnaeus 1758):a computational approach. ExRNA, 2019, 1, .	1.0	O
4060	Integrative analyses of triple negative dysregulated transcripts compared with nonâ€triple negative tumors and their functional and molecular interactions. Journal of Cellular Physiology, 2019, 234, 22386-22399.	2.0	15
4061	miRNA inhibition by proximity-enabled Dicer inactivation. Methods, 2019, 167, 117-123.	1.9	11
4062	MicroRNA signature predicts survival in papillary thyroid carcinoma. Journal of Cellular Biochemistry, 2019, 120, 17050-17058.	1.2	14
4063	Mesenchymal stem cell derived EVs mediate neuroprotection after spinal cord injury in rats via the microRNA-21-5p/FasL gene axis. Biomedicine and Pharmacotherapy, 2019, 115, 108818.	2.5	65
4064	Citrus peel flavonoids improve lipid metabolism by inhibiting miR-33 and miR-122 expression in HepG2 cells. Bioscience, Biotechnology and Biochemistry, 2019, 83, 1747-1755.	0.6	19
4065	Improving miRNA Target Prediction Using CLASH Data. Methods in Molecular Biology, 2019, 1970, 75-83.	0.4	4

#	ARTICLE	IF	CITATIONS
4066	MicroRNA-155: A Master Regulator of Inflammation. Journal of Interferon and Cytokine Research, 2019, 39, 321-330.	0.5	197
4067	TGF-Î ² 1 Induces Epithelial-Mesenchymal Transition of Chronic Sinusitis with Nasal Polyps through MicroRNA-21. International Archives of Allergy and Immunology, 2019, 179, 304-319.	0.9	48
4068	miRâ€10aâ€5p is increased in atopic dermatitis and has capacity to inhibit keratinocyte proliferation. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 2146-2156.	2.7	31
4069	Modulation and Evolution of Animal Development through microRNA Regulation of Gene Expression. Genes, 2019, 10, 321.	1.0	29
4070	Gain-of-Function Mutations: An Emerging Advantage for Cancer Biology. Trends in Biochemical Sciences, 2019, 44, 659-674.	3.7	38
4071	Administration of dexamethasone disrupts endometrial receptivity by alteration of expression of miRNA 223, 200a, LIF, Muc1, SGK1, and ENaC via the ERK1/2â€mTOR pathway. Journal of Cellular Physiology, 2019, 234, 19629-19639.	2.0	22
4072	ls it useful to use several "omics―for obtaining valuable results?. Molecular Biology Reports, 2019, 46, 3597-3606.	1.0	35
4073	Dysregulation of Neuronal Gαo Signaling by Graphene Oxide in Nematode Caenorhabditis elegans. Scientific Reports, 2019, 9, 6026.	1.6	28
4074	Acute Spinal Cord Injury: A Systematic Review Investigating miRNA Families Involved. International Journal of Molecular Sciences, 2019, 20, 1841.	1.8	53
4075	A new insight on serum microRNA expression as novel biomarkers in breast cancer patients. Journal of Cellular Physiology, 2019, 234, 19199-19211.	2.0	31
4076	Abilities of berberine and chemically modified berberines to interact with metformin and inhibit proliferation of pancreatic cancer cells. Advances in Biological Regulation, 2019, 73, 100633.	1.4	25
4077	The emerging role of micro <scp>RNA</scp> s in the molecular diagnosis of mycosis fungoides. British Journal of Dermatology, 2019, 180, 984-985.	1.4	3
4078	Beyond the seed: structural basis for supplementary micro <scp>RNA</scp> targeting by human Argonaute2. EMBO Journal, 2019, 38, e101153.	3.5	105
4079	MicroRNAs in Neuroinflammation: Implications in Disease Pathogenesis, Biomarker Discovery and Therapeutic Applications. Non-coding RNA, 2019, 5, 35.	1.3	158
4080	The role of NUDT21 in microRNAâ€binding sites of EZH2 gene increases the risk of preeclampsia. Journal of Cellular and Molecular Medicine, 2019, 23, 3202-3213.	1.6	6
4081	Small molecules with big roles in microRNA chemical biology and microRNA-targeted therapeutics. RNA Biology, 2019, 16, 707-718.	1.5	48
4082	Exosomal transfer of bone marrow mesenchymal stem cells-derived miR340 attenuates endometrial fibrosis. Biology Open, 2019, 8, .	0.6	35
4083	miRNA-223 at the crossroads of inflammation and cancer. Cancer Letters, 2019, 451, 136-141.	3.2	66

#	Article	IF	CITATIONS
4084	Identification of Candidate Genes and MicroRNAs for Acute Myocardial Infarction by Weighted Gene Coexpression Network Analysis. BioMed Research International, 2019, 2019, 1-11.	0.9	23
4085	miRâ€146aâ€5p: Expression, regulation, and functions in cancer. Wiley Interdisciplinary Reviews RNA, 2019, 10, e1533.	3.2	129
4086	MicroRNA‑124 improves functional recovery and suppresses Bax‑dependent apoptosis in rats following spinal cord injury. Molecular Medicine Reports, 2019, 19, 2551-2560.	1.1	19
4087	Long-term impact of maternal high-fat diet on offspring cardiac health: role of micro-RNA biogenesis. Cell Death Discovery, 2019, 5, 71.	2.0	24
4088	Micro <scp>â€ribonucleic acid</scp> expression signature of metastatic castrationâ€resistant prostate cancer: Regulation of <i><scp>NCAPH</scp></i> by antitumor <i>miRâ€199a/bâ€3p</i> International Journal of Urology, 2019, 26, 506-520.	0.5	15
4089	miR‑146a‑5p targets TCSF and influences cell growth and apoptosis to repress NSCLC progression. Oncology Reports, 2019, 41, 2226-2240.	1.2	17
4090	In Silico Prediction of Small Molecule-miRNA Associations Based on the HeteSim Algorithm. Molecular Therapy - Nucleic Acids, 2019, 14, 274-286.	2.3	54
4091	MicroRNA target gene prediction of ischemic stroke by using variational Bayesian inference for Gauss mixture model. Experimental and Therapeutic Medicine, 2019, 17, 2734-2740.	0.8	4
4092	Transcriptomic Analysis of Single Isolated Myofibers Identifies miR-27a-3p and miR-142-3p as Regulators of Metabolism in Skeletal Muscle. Cell Reports, 2019, 26, 3784-3797.e8.	2.9	55
4093	Role of epigenetic mechanisms in cisplatin-induced toxicity. Critical Reviews in Oncology/Hematology, 2019, 137, 131-142.	2.0	24
4094	MicroRNA-215: From biology to theranostic applications. Molecular Aspects of Medicine, 2019, 70, 72-89.	2.7	23
4095	Potential Strategies for Cardiac Diseases: Lineage Reprogramming of Somatic Cells into Induced Cardiomyocytes. Cellular Reprogramming, 2019, 21, 63-77.	0.5	1
4096	The Role of MicroRNAs in Recurrence and Metastasis of Head and Neck Squamous Cell Carcinoma. Cancers, 2019, 11, 395.	1.7	38
4097	The Role of MicroRNAs in Hepatoblastoma Tumors. Cancers, 2019, 11, 409.	1.7	35
4098	Assessment of miR-98-5p, miR-152-3p, miR-326 and miR-4289 Expression as Biomarker for Prostate Cancer Diagnosis. International Journal of Molecular Sciences, 2019, 20, 1154.	1.8	51
4099	Milk MicroRNAs in Health and Disease. Comprehensive Reviews in Food Science and Food Safety, 2019, 18, 703-722.	5.9	78
4100	The Therapeutic Potential of MicroRNAs as Orthobiologics for Skeletal Fractures. Journal of Bone and Mineral Research, 2019, 34, 797-809.	3.1	31
4101	MicroRNA-101 suppresses liver fibrosis by downregulating PI3K/Akt/mTOR signaling pathway. Clinics and Research in Hepatology and Gastroenterology, 2019, 43, 575-584.	0.7	45

#	ARTICLE	IF	CITATIONS
4102	Circulating miRNA Profiling of Women at High Risk for Ovarian Cancer. Translational Oncology, 2019, 12, 714-725.	1.7	17
4103	Integrative microRNA–mRNA Analysis of Muscle Tissues in Qianhua Mutton Merino and Small Tail Han Sheep Reveals Key Roles for oar-miR-655-3p and oar-miR-381-5p. DNA and Cell Biology, 2019, 38, 423-435.	0.9	17
4104	Significant improvement of miRNA target prediction accuracy in large datasets using meta-strategy based on comprehensive voting and artificial neural networks. BMC Genomics, 2019, 20, 158.	1.2	6
4105	miR-342-5p as a Potential Regulator of HER2 Breast Cancer Cell Growth. MicroRNA (Shariqah, United) Tj ETQq1 1	0,784314 0.6	rgBT /Over
4106	Screening of miRNA target genes in coronary artery disease by variational Bayesian Gaussian mixture model. Experimental and Therapeutic Medicine, 2019, 17, 2129-2136.	0.8	6
4107	Resilience as a translational endpoint in the treatment of PTSD. Molecular Psychiatry, 2019, 24, 1268-1283.	4.1	50
4108	Platelet MicroRNAs. , 2019, , 127-138.		1
4109	Pan-cancer analysis on microRNA-associated gene activation. EBioMedicine, 2019, 43, 82-97.	2.7	48
4110	miRâ€'7â€'5p regulates the proliferation and migration of colorectal cancer cells by negatively regulating the expression of Kr�ppelâ€'like factor 4. Oncology Letters, 2019, 17, 3241-3246.	0.8	30
4111	Inconsistencies and Limitations of Current MicroRNA Target Identification Methods. Methods in Molecular Biology, 2019, 1970, 291-314.	0.4	27
4112	Sfold Tools for MicroRNA Target Prediction. Methods in Molecular Biology, 2019, 1970, 31-42.	0.4	10
4113	Functional Analysis of Genetic Variants and Somatic Mutations Impacting MicroRNA-Target Recognition: Bioinformatics Resources. Methods in Molecular Biology, 2019, 1970, 101-120.	0.4	4
4114	MiR-34 and MiR-200: Regulator of Cell Fate Plasticity and Neural Development. NeuroMolecular Medicine, 2019, 21, 97-109.	1.8	32
4115	Competitive endogenous RNA is an intrinsic component of EMT regulatory circuits and modulates EMT. Nature Communications, 2019, 10, 1637.	5.8	86
4116	Micro(RNA)-managing muscle wasting. Journal of Applied Physiology, 2019, 127, 619-632.	1.2	27
4117	Biogenesis and biological implications of isomiRs in mammals- a review. ExRNA, 2019, 1, .	1.0	13
4118	The role of the protein–RNA recognition code in neurodegeneration. Cellular and Molecular Life Sciences, 2019, 76, 2043-2058.	2.4	17
4119	A Practical Guide to miRNA Target Prediction. Methods in Molecular Biology, 2019, 1970, 1-13.	0.4	18

#	ARTICLE	IF	CITATIONS
4120	Identification and expression of microRNAs in european eels Anguilla anguilla from two natural sites with different pollution levels. Environmental Pollution, 2019, 250, 274-283.	3.7	4
4121	The Untranslated Regions of mRNAs in Cancer. Trends in Cancer, 2019, 5, 245-262.	3.8	70
4122	Silencing MicroRNA-155 Attenuates Kainic Acid-Induced Seizure by Inhibiting Microglia Activation. NeuroImmunoModulation, 2019, 26, 67-76.	0.9	21
4123	APP processing and metabolism in corneal fibroblasts and epithelium as a potential biomarker for Alzheimer's disease. Experimental Eye Research, 2019, 182, 167-174.	1.2	17
4124	NLRP3 inflammasome in ischemic stroke: As possible therapeutic target. International Journal of Stroke, 2019, 14, 574-591.	2.9	101
4125	Identification and potential value of candidate microRNAs in granulosa cells of polycystic ovary syndrome. Technology and Health Care, 2019, 27, 579-587.	0.5	9
4126	Modulation of microRNA by Vitamin D in Cancer Studies. , 2019, , 1747-1768.		3
4127	Bioinformatics Databases and Tools on Dietary MicroRNA. , 2019, , 2219-2232.		O
4128	Life-long reduction in myomiR expression does not adversely affect skeletal muscle morphology. Scientific Reports, 2019, 9, 5483.	1.6	29
4129	Stress-activated miR-204 governs senescent phenotypes of chondrocytes to promote osteoarthritis development. Science Translational Medicine, 2019, 11 , .	5.8	96
4130	Catalyzing Transcriptomics Research in Cardiovascular Disease: The CardioRNA COST Action CA17129. Non-coding RNA, 2019, 5, 31.	1.3	14
4131	Co-regulatory Network of Oncosuppressor miRNAs and Transcription Factors for Pathology of Human Hepatic Cancer Stem Cells (HCSC). Scientific Reports, 2019, 9, 5564.	1.6	27
4132	MicroRNA-Mediated Control of Inflammation and Tolerance in Pregnancy. Frontiers in Immunology, 2019, 10, 718.	2.2	26
4133	Identifying the optimal target genes associated with multiple myeloma by a novel bioinformatical analysis. Oncology Letters, 2019, 17, 4375-4382.	0.8	0
4134	Identification of cell and disease specific microRNAs in glomerular pathologies. Journal of Cellular and Molecular Medicine, 2019, 23, 3927-3939.	1.6	16
4135	Endogenous and Exogenous Modulation of Nrf2 Mediated Oxidative Stress Response in Bovine Granulosa Cells: Potential Implication for Ovarian Function. International Journal of Molecular Sciences, 2019, 20, 1635.	1.8	53
4136	microRNA expression profiles in two―and threeâ€dimensional culture conditions of humanâ€umbilicalâ€cord bloodâ€derived CD34 + cells. Journal of Cellular Physiology, 2019, 234, 20072-20084.	2.0	2
4137	miRNA signatures in childhood sarcomas and their clinical implications. Clinical and Translational Oncology, 2019, 21, 1583-1623.	1.2	13

#	Article	IF	CITATIONS
4138	MiR-35 buffers apoptosis thresholds in the C. elegans germline by antagonizing both MAPK and core apoptosis pathways. Cell Death and Differentiation, 2019, 26, 2637-2651.	5.0	31
4139	Conditional Dicer1 depletion using Chrnb4-Cre leads to cone cell death and impaired photopic vision. Scientific Reports, 2019, 9, 2314.	1.6	8
4140	A perspective on the diagnostics, prognostics, and therapeutics of microRNAs of triple-negative breast cancer. Biophysical Reviews, 2019, 11, 227-234.	1.5	33
4141	A Systematic Review of miR-29 in Cancer. Molecular Therapy - Oncolytics, 2019, 12, 173-194.	2.0	157
4142	A novel method for stabilizing microRNA mimics. Biochemical and Biophysical Research Communications, 2019, 511, 422-426.	1.0	13
4143	microRNA-34a (miRNA-34a) Mediated Down-Regulation of the Post-synaptic Cytoskeletal Element SHANK3 in Sporadic Alzheimer's Disease (AD). Frontiers in Neurology, 2019, 10, 28.	1.1	30
4144	Central Nervous System Toxicity Biomarkers. , 2019, , 173-185.		1
4145	Tumor classification and biomarker discovery based on the 5'isomiR expression level. BMC Cancer, 2019, 19, 127.	1.1	12
4146	Urinary microRNA in kidney disease: utility and roles. American Journal of Physiology - Renal Physiology, 2019, 316, F785-F793.	1.3	36
4147	Epigenetic Mechanisms in Monocytes/Macrophages Regulate Inflammation in Cardiometabolic and Vascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 623-634.	1.1	87
4148	Bioinformatic gene analysis for potential biomarkers and therapeutic targets of atrial fibrillation-related stroke. Journal of Translational Medicine, 2019, 17, 45.	1.8	67
4149	Long noncoding RNA GAS5 promotes apoptosis in primary nucleus pulposus cells derived from the human intervertebral disc via Bclâ€'2 downregulation and caspaseâ€'3 upregulation. Molecular Medicine Reports, 2019, 19, 2164-2172.	1.1	16
4150	Identification of microRNA-mRNA networks involved in cisplatin-induced renal tubular epithelial cells injury. European Journal of Pharmacology, 2019, 851, 1-12.	1.7	18
4151	Molecular Research in Chronic Thromboembolic Pulmonary Hypertension. International Journal of Molecular Sciences, 2019, 20, 784.	1.8	19
4152	MicroRNA-145 targets Smad1 in endometrial stromal cells and regulates decidualization in rat. Journal of Molecular Medicine, 2019, 97, 509-522.	1.7	11
4153	Ciphers and Executioners: How 3′-Untranslated Regions Determine the Fate of Messenger RNAs. Frontiers in Genetics, 2019, 10, 6.	1.1	72
4154	Predicting Gene Ontology Function of Human MicroRNAs by Integrating Multiple Networks. Frontiers in Genetics, 2019, 10, 3.	1.1	44
4155	Effects of miRNAâ€342â€3p in modulating Hedgehog signaling pathway of human umbilical cord mesenchymal stem cells by downâ€regulating Sufu. Oral Diseases, 2019, 25, 1147-1157.	1.5	14

#	Article	IF	CITATIONS
4156	Respiratory chain polymorphisms and obesity in the Spanish population, a cross-sectional study. BMJ Open, 2019, 9, e027004.	0.8	6
4157	Hepatic Toxicity Biomarkers. , 2019, , 251-266.		1
4158	MicroRNAs in diagnosis and therapeutics. , 2019, , 137-177.		13
4159	Predicting Postoperative Liver Dysfunction Based on Bloodâ€Derived MicroRNA Signatures. Hepatology, 2019, 69, 2636-2651.	3.6	33
4160	Computational Epigenetics and Disease. , 2019, , 1-9.		2
4161	Computational Tools for microRNA Target Prediction. , 2019, , 79-105.		6
4162	MicroRNA Profile and Adaptive Response to Exercise Training: A Review. International Journal of Sports Medicine, 2019, 40, 227-235.	0.8	58
4163	Effect of plasma MicroRNA on antihypertensive response to beta blockers in the Pharmacogenomic Evaluation of Antihypertensive Responses (PEAR) studies. European Journal of Pharmaceutical Sciences, 2019, 131, 93-98.	1.9	13
4164	Mimicry, deception and competition: The life of competing endogenous RNAs. Wiley Interdisciplinary Reviews RNA, 2019, 10, e1525.	3.2	30
4165	MicroRNAs in Aldosterone Production and Action. , 0, , .		1
4166	Noncoding RNAs as Predictive Biomarkers of Therapeutic Response to Tyrosine Kinase Inhibitors in Metastatic Cancer. , 2019 , , .		0
4167	Identification and characterization of salt-tolerance relative miRNAs in Procambarus clarkii by high-throughput sequencing. ExRNA, 2019, 1, .	1.0	2
4168	TGFBR2â€'dependent alterations of microRNA profiles in extracellular vesicles and parental colorectal cancer cells. International Journal of Oncology, 2019, 55, 925-937.	1.4	9
4169	Dietary Depletion of Milk Exosomes and Their MicroRNA Cargos Elicits a Depletion of miR-200a-3p and Elevated Intestinal Inflammation and Chemokine (C-X-C Motif) Ligand 9 Expression in Mdr1a Mice. Current Developments in Nutrition, 2019, 3, nzz122.	0.1	37
4170	Sequence Similarities between Viroids and Human MicroRNAs. Intervirology, 2019, 62, 227-234.	1.2	5
4171	Analysis of Postdeployment Serum Samples Identifies Potential Biomarkers of Exposure to Burn Pits and Other Environmental Hazards. Journal of Occupational and Environmental Medicine, 2019, 61, S45-S54.	0.9	6
4172	MicroRNAs in Tumor Cell Metabolism: Roles and Therapeutic Opportunities. Frontiers in Oncology, 2019, 9, 1404.	1.3	53
4173	Targeting the epigenome as a therapeutic strategy for pancreatic tumors. , 2019, , 211-244.		0

#	Article	IF	CITATIONS
4174	The microRNA‑5p/ZEB1/EMT axis mediates the metastatic potential of osteosarcoma. Oncology Reports, 2020, 43, 491-502.	1.2	15
4175	Construction and integrated analysis of crosstalking ceRNAs networks in laryngeal squamous cell carcinoma. PeerJ, 2019, 7, e7380.	0.9	22
4176	Small Noncoding RNA Expression in Cancer. , 2019, , .		1
4177	Upâ€regulation of miRâ€let7aâ€5p Leads to Decreased Expression of ABCC2 in Obstructive Cholestasis. Hepatology Communications, 2019, 3, 1674-1686.	2.0	8
4178	The Role of Non-coding RNAs in Oncology. Cell, 2019, 179, 1033-1055.	13.5	952
4179	In silico identification of microRNAs as candidate colorectal cancer biomarkers. Tumor Biology, 2019, 41, 101042831988372.	0.8	11
4180	Role of Non-Coding RNAs in the Progression of Liver Cancer: Evidence from Experimental Models. Cancers, 2019, 11, 1652.	1.7	13
4181	Exosomal MicroRNA-155 Inhibits Enterovirus A71 Infection by Targeting PICALM. International Journal of Biological Sciences, 2019, 15, 2925-2935.	2.6	17
4182	MicroRNA regulation of CD8+ T cell responses. Non-coding RNA Investigation, 2019, 3, 24-24.	0.6	16
4183	Integrated Transcriptomics, Metabolomics, and Lipidomics Profiling in Rat Lung, Blood, and Serum for Assessment of Laser Printer-Emitted Nanoparticle Inhalation Exposure-Induced Disease Risks. International Journal of Molecular Sciences, 2019, 20, 6348.	1.8	20
4184	Comprehensive analysis of the lncRNA-associated ceRNA network identifies neuroinflammation biomarkers for Alzheimer's disease. Molecular Omics, 2019, 15, 459-469.	1.4	18
4185	ALG-2/AGO-Dependent <i>mir-35</i> Family Regulates DNA Damage-Induced Apoptosis Through MPK-1/ERK MAPK Signaling Downstream of the Core Apoptotic Machinery in <i>Caenorhabditis elegans</i> Genetics, 2019, 213, 173-194.	1.2	15
4186	Long Noncoding RNA (IncRNA)-Mediated Competing Endogenous RNA Networks Provide Novel Potential Biomarkers and Therapeutic Targets for Colorectal Cancer. International Journal of Molecular Sciences, 2019, 20, 5758.	1.8	407
4187	eIF4A2 drives repression of translation at initiation by Ccr4-Not through purine-rich motifs in the 5′UTR. Genome Biology, 2019, 20, 262.	3.8	39
4188	Reduced expression of miR-146a in human bronchial epithelial cells alters neutrophil migration. Clinical and Translational Allergy, 2019, 9, 62.	1.4	26
4189	The Oncogenic Kaposi's Sarcoma-Associated Herpesvirus Encodes a Mimic of the Tumor-Suppressive miR-15/16 miRNA Family. Cell Reports, 2019, 29, 2961-2969.e6.	2.9	14
4190	Insight into genetic regulation of miRNA in mouse brain. BMC Genomics, 2019, 20, 849.	1.2	4
4191	Sensitivity Enhancement of MicroRNA Detection Using a Power-free Microfluidic Chip. Analytical Sciences, 2019, 35, 1227-1236.	0.8	11

#	Article	IF	CITATIONS
4192	The integrative knowledge base for miRNA-mRNA expression in colorectal cancer. Scientific Reports, 2019, 9, 18065.	1.6	15
4193	miR-636: A Newly-Identified Actor for the Regulation of Pulmonary Inflammation in Cystic Fibrosis. Frontiers in Immunology, 2019, 10, 2643.	2.2	11
4194	MicroRNAs – novel biomarkers for malignant pleural effusions. Wspolczesna Onkologia, 2019, 23, 133-140.	0.7	13
4195	Utility of Perilymph microRNA Sampling for Identification of Active Gene Expression Pathways in Otosclerosis. Otology and Neurotology, 2019, 40, 710-719.	0.7	8
4196	Identification of crucial miRNAs and genes in esophageal squamous cell carcinoma by miRNA-mRNA integrated analysis. Medicine (United States), 2019, 98, e16269.	0.4	24
4197	miRNA-Dependent Control of Homeostatic Plasticity in Neurons. Frontiers in Cellular Neuroscience, 2019, 13, 536.	1.8	21
4198	Leveraging genomics to uncover the genetic, environmental and age-related factors leading to asthma., 2019,, 331-381.		2
4199	Dysfunction of MiR-148a-NRP1 Functional Axis Suppresses Osteogenic Differentiation of Periodontal Ligament Stem Cells Under Inflammatory Microenvironment. Cellular Reprogramming, 2019, 21, 314-322.	0.5	15
4200	PfmPif97-like regulated by Pfm-miR-9b-5p participates in shell formation in Pinctada fucata martensii. PLoS ONE, 2019, 14, e0226367.	1.1	9
4201	miRNA142-3p targets Tet2 and impairs Treg differentiation and stability in models of type 1 diabetes. Nature Communications, 2019, 10, 5697.	5.8	48
4202	Regulation of Endothelial-to-Mesenchymal Transition by MicroRNAs in Chronic Allograft Dysfunction. Transplantation, 2019, 103, e64-e73.	0.5	15
4203	MicroRNA dysregulation interplay with childhood abdominal tumors. Cancer and Metastasis Reviews, 2019, 38, 783-811.	2.7	13
4204	Marked TGF- \hat{l}^2 -regulated miRNA expression changes in both COPD and control lung fibroblasts. Scientific Reports, 2019, 9, 18214.	1.6	16
4205	Downregulation of R-Spondin1 Contributes to Mechanical Stretch-Induced Lung Injury. Critical Care Medicine, 2019, 47, e587-e596.	0.4	8
4206	Integrative roles of microRNAs in lipid metabolism and dyslipidemia. Current Opinion in Lipidology, 2019, 30, 165-171.	1.2	18
4207	Storage of Extracellular Vesicles in Human Milk, and MicroRNA Profiles in Human Milk Exosomes and Infant Formulas. Journal of Pediatric Gastroenterology and Nutrition, 2019, 69, 235-238.	0.9	83
4208	Cancer-Derived Extracellular Vesicle-Associated MicroRNAs in Intercellular Communication: One Cell's Trash Is Another Cell's Treasure. International Journal of Molecular Sciences, 2019, 20, 6109.	1.8	47
4209	DeepMiR2GO: Inferring Functions of Human MicroRNAs Using a Deep Multi-Label Classification Model. International Journal of Molecular Sciences, 2019, 20, 6046.	1.8	7

#	Article	IF	CITATIONS
4210	<p>RRM2 Regulated By LINC00667/miR-143-3p Signal Is Responsible For Non-Small Cell Lung Cancer Cell Progression</p> . OncoTargets and Therapy, 2019, Volume 12, 9927-9939.	1.0	37
4211	MiR-29b suppresses proliferation and mobility by targeting SOX12 and DNMT3b in pancreatic cancer. Anti-Cancer Drugs, 2019, 30, 281-288.	0.7	23
4212	The biochemical basis of microRNA targeting efficacy. Science, 2019, 366, .	6.0	631
4213	Min3: Predict microRNA target gene using an improved binding-site representation method and support vector machine. Journal of Bioinformatics and Computational Biology, 2019, 17, 1950032.	0.3	2
4214	Microcystin-LR-Triggered Neuronal Toxicity in Whitefish Does Not Involve MiR124-3p. Neurotoxicity Research, 2019, 35, 29-40.	1.3	7
4215	MicroRNAâ€493 targets STMNâ€1 and promotes hypoxiaâ€induced epithelial cell cycle arrest in G ₂ /M and renal fibrosis. FASEB Journal, 2019, 33, 1565-1577.	0.2	21
4216	Circulating plasma microRNAs as biomarkers for iron status in blood donors. Transfusion Medicine, 2019, 29, 52-58.	0.5	3
4217	Long nonâ€codingRNA TUG1 regulates the migration and invasion of trophoblastâ€like cells through sponging miRâ€204â€5p. Clinical and Experimental Pharmacology and Physiology, 2019, 46, 380-388.	0.9	14
4218	miRNA and Gene Expression in Pancreatic Ductal Adenocarcinoma. American Journal of Pathology, 2019, 189, 58-70.	1.9	46
4219	Role of microRNAs and exosomes in asthma. Current Opinion in Pulmonary Medicine, 2019, 25, 87-93.	1.2	49
4220	mircroRNA-152 prevents the malignant progression of atherosclerosis via down-regulation of KLF5. Biomedicine and Pharmacotherapy, 2019, 109, 2409-2414.	2.5	25
4221	micro <scp>RNA</scp> â€27a and micro <scp>RNA</scp> â€146a <scp>SNP</scp> in cerebral malaria. Molecular Genetics & Genomic Medicine, 2019, 7, e00529.	0.6	8
4222	miRâ€20b, miRâ€296, and Letâ€7f Expression in Human Adipose Tissue is Related to Obesity and Type 2 Diabetes. Obesity, 2019, 27, 245-254.	1.5	21
4223	An Overview of Epigenetic Correlates of Human Chronic Pain Conditions. , 2019, , 183-228.		1
4224	MicroRNA–21 attenuates BDE-209-induced lipid accumulation in THP-1 macrophages by downregulating Toll-like receptor 4 expression. Food and Chemical Toxicology, 2019, 125, 71-77.	1.8	15
4225	Significant increasing of DISC2 long non-coding RNA expression as a potential biomarker in bipolar disorder. Neuroscience Letters, 2019, 696, 206-211.	1.0	16
4226	Poly(A)-specific ribonuclease sculpts the 3′ ends of microRNAs. Rna, 2019, 25, 388-405.	1.6	28
4227	Delineating the Dynamic Transcriptome Response of mRNA and microRNA during Zebrafish Heart Regeneration. Biomolecules, 2019, 9, 11.	1.8	21

#	ARTICLE	IF	Citations
4228	microRNA diagnostic panel for Alzheimer's disease and epigenetic trade-off between neurodegeneration and cancer. Ageing Research Reviews, 2019, 49, 125-143.	5.0	87
4229	Role of microRNAs in inner ear development and hearing loss. Gene, 2019, 686, 49-55.	1.0	17
4230	Targeting epigenetic mechanisms for chronic visceral pain: A valid approach for the development of novel therapeutics. Neurogastroenterology and Motility, 2019, 31, e13500.	1.6	16
4231	HMDD v3.0: a database for experimentally supported human microRNA–disease associations. Nucleic Acids Research, 2019, 47, D1013-D1017.	6.5	603
4232	MiRâ€194 regulates nasopharyngeal carcinoma progression by modulating <scp>MAP</scp> 3K3 expression. FEBS Open Bio, 2019, 9, 43-52.	1.0	17
4233	Pirin: a potential novel therapeutic target for castrationâ€resistant prostate cancer regulated by miRâ€455â€5p. Molecular Oncology, 2019, 13, 322-337.	2.1	27
4234	MiR-1 inhibits prostate cancer PC3 cells proliferation through the Akt/mTOR signaling pathway by binding to c-Met. Biomedicine and Pharmacotherapy, 2019, 109, 1406-1410.	2.5	20
4235	Genomeâ€wide identification of microRNAs regulating the human prion protein. Brain Pathology, 2019, 29, 232-244.	2.1	22
4236	Circulating mirâ€320a promotes immunosuppressive macrophages M2 phenotype associated with lung cancer risk. International Journal of Cancer, 2019, 144, 2746-2761.	2.3	56
4237	MicroRNAs at the Host–Bacteria Interface: Host Defense or Bacterial Offense. Trends in Microbiology, 2019, 27, 206-218.	3.5	84
4238	The role of microRNAs regulating the expression of matrix metalloproteinases (MMPs) in breast cancer development, progression, and metastasis. Journal of Cellular Physiology, 2019, 234, 5399-5412.	2.0	45
4239	LncRNA H19/miRâ€194/PFTK1 axis modulates the cell proliferation and migration of pancreatic cancer. Journal of Cellular Biochemistry, 2019, 120, 3874-3886.	1.2	76
4240	Post-transcriptional regulation of miRNA-15a and miRNA-15b on VEGFR gene and deer antler cell proliferation. Biyokimya Dergisi, 2019, 44, 354-362.	0.1	3
4241	Transcription of the NKG2D ligand MICA is suppressed by the IRE1/XBP1 pathway of the unfolded protein response through the regulation of E2F1. FASEB Journal, 2019, 33, 3481-3495.	0.2	23
4242	Nonâ€coding and coding genomic variants distinguish prostate cancer, castrationâ€resistant prostate cancer, familial prostate cancer, and metastatic castrationâ€resistant prostate cancer from each other. Molecular Carcinogenesis, 2019, 58, 862-874.	1.3	6
4243	Identification and expression profiling analysis of microRNAs in Nile tilapia (Oreochromis niloticus) in response to Streptococcus agalactiae infection. Fish and Shellfish Immunology, 2019, 87, 333-345.	1.6	16
4244	Genetics, Mechanisms, and Therapeutic Progress in Polyglutamine Spinocerebellar Ataxias. Neurotherapeutics, 2019, 16, 263-286.	2.1	95
4245	MicroRNAs and other non-coding RNAs in adipose tissue and obesity: emerging roles as biomarkers and therapeutic targets. Clinical Science, 2019, 133, 23-40.	1.8	90

#	Article	IF	CITATIONS
4246	Role of non-coding RNAs in liver disease progression to hepatocellular carcinoma. Archives of Pharmacal Research, 2019, 42, 48-62.	2.7	50
4247	Neuronal subâ€compartmentalization: a strategy to optimize neuronal function. Biological Reviews, 2019, 94, 1023-1037.	4.7	27
4248	Genome-wide identification of brain miRNAs in response to high-intensity intermittent swimming training in Rattus norvegicus by deep sequencing. BMC Molecular Biology, 2019, 20, 3.	3.0	7
4249	Network Profiling of Brain-Expressed X-Chromosomal MicroRNA Genes Implicates Shared Key MicroRNAs in Intellectual Disability. Journal of Molecular Neuroscience, 2019, 67, 295-304.	1.1	12
4250	Kinetic Modelling of Competition and Depletion of Shared miRNAs by Competing Endogenous RNAs. Methods in Molecular Biology, 2019, 1912, 367-409.	0.4	18
4251	Altered Extracellular Vesicle MicroRNA Expression in Ischemic Stroke and Small Vessel Disease. Translational Stroke Research, 2019, 10, 495-508.	2.3	34
4252	Structural Differences between Pri-miRNA Paralogs Promote Alternative Drosha Cleavage and Expand Target Repertoires. Cell Reports, 2019, 26, 447-459.e4.	2.9	42
4253	MicroRNA-503-5p Inhibits the CD97-Mediated JAK2/STAT3 Pathway in Metastatic or Paclitaxel-Resistant Ovarian Cancer Cells. Neoplasia, 2019, 21, 206-215.	2.3	69
4254	Metal carcinogen exposure induces cancer stem cell-like property through epigenetic reprograming: A novel mechanism of metal carcinogenesis. Seminars in Cancer Biology, 2019, 57, 95-104.	4.3	57
4255	MicroRNAs in ovarian follicular atresia and granulosa cell apoptosis. Reproductive Biology and Endocrinology, 2019, 17, 9.	1.4	133
4256	Systematic identification and analysis of dysregulated mi <scp>RNA</scp> and transcription factor feedâ€forward loops in hypertrophic cardiomyopathy. Journal of Cellular and Molecular Medicine, 2019, 23, 306-316.	1.6	20
4257	Identification and validation of plant miRNA from NGS dataâ€"an experimental approach. Briefings in Functional Genomics, 2019, 18, 13-22.	1.3	7
4258	Diabetic cardiomyopathy: molecular mechanisms, detrimental effects of conventional treatment, and beneficial effects of natural therapy. Heart Failure Reviews, 2019, 24, 279-299.	1.7	113
4259	Expression profiles and prognostic value of miRNAs in retinoblastoma. Journal of Cancer Research and Clinical Oncology, 2019, 145, 1-10.	1.2	35
4260	Bone marrow fibroblasts overexpress miRâ€27b and miRâ€214 in step with multiple myeloma progression, dependent on tumour cellâ€derived exosomes. Journal of Pathology, 2019, 247, 241-253.	2.1	74
4261	MicroRNA-454 contributes to sustaining the proliferation and invasion of trophoblast cells through inhibiting Nodal/ALK7 signaling in pre-eclampsia. Chemico-Biological Interactions, 2019, 298, 8-14.	1.7	31
4262	Ultrasensitive assay based on a combined cascade amplification by nicking-mediated rolling circle amplification and symmetric strand-displacement amplification. Analytica Chimica Acta, 2019, 1047, 172-178.	2.6	49
4263	Exosomes: Isolation, Analysis, and Applications in Cancer Detection and Therapy. ChemBioChem, 2019, 20, 451-461.	1.3	92

#	Article	IF	CITATIONS
4264	Interplay of Wnt \hat{l}^2 -catenin pathway and miRNAs in HBV pathogenesis leading to HCC. Clinics and Research in Hepatology and Gastroenterology, 2019, 43, 373-386.	0.7	18
4265	Regulatory network of miRNA on its target: coordination between transcriptional and post-transcriptional regulation of gene expression. Cellular and Molecular Life Sciences, 2019, 76, 441-451.	2.4	287
4266	<i>miR-219a-5p</i> Regulates Ror \hat{l}^2 During Osteoblast Differentiation and in Age-related Bone Loss. Journal of Bone and Mineral Research, 2019, 34, 135-144.	3.1	35
4267	Differences in microRNA expression in breast cancer between women of African and European ancestry. Carcinogenesis, 2019, 40, 61-69.	1.3	21
4268	Regional Molecular Signature of the Symptomatic Atherosclerotic Carotid Plaque. Neurosurgery, 2019, 85, E284-E293.	0.6	14
4269	Impact of miRâ€192 and miRâ€194 on cyst enlargement through EMT in autosomal dominant polycystic kidney disease. FASEB Journal, 2019, 33, 2870-2884.	0.2	26
4270	Differential expression profiles and functional analysis of plasma miRNAs associated with chronic myeloid leukemia phases. Future Oncology, 2019, 15, 763-776.	1.1	15
4271	Calcitonin administration improves endometrial receptivity via regulation of LIF, Mucâ€1 and microRNA Letâ€7a in mice. Journal of Cellular Physiology, 2019, 234, 12989-13000.	2.0	13
4272	MiRâ€34c/SOX9 axis regulates the chemoresistance of ovarian cancer cell to cisplatinâ€based chemotherapy. Journal of Cellular Biochemistry, 2019, 120, 2940-2953.	1.2	34
4273	Gene Regulatory Networks: A Primer in Biological Processes and Statistical Modelling. Methods in Molecular Biology, 2019, 1883, 347-383.	0.4	11
4274	Integrative network biology analysis identifies miR-508-3p as the determinant for the mesenchymal identity and a strong prognostic biomarker of ovarian cancer. Oncogene, 2019, 38, 2305-2319.	2.6	41
4275	Comparison of different chemically modified inhibitors of miR-199b in vivo. Biochemical Pharmacology, 2019, 159, 106-115.	2.0	21
4276	Iruka Eliminates Dysfunctional Argonaute by Selective Ubiquitination of Its Empty State. Molecular Cell, 2019, 73, 119-129.e5.	4.5	35
4277	QuagmiR: a cloud-based application for isomiR big data analytics. Bioinformatics, 2019, 35, 1576-1578.	1.8	23
4278	Framework for microRNA variant annotation and prioritization using human population and disease datasets. Human Mutation, 2019, 40, 73-89.	1.1	18
4279	MicroRNAs in Gametes and Preimplantation Embryos: Clinical Implications. , 2019, , 241-268.		0
4280	Shedding light on microRNA function via microscopy-based screening. Methods, 2019, 152, 55-64.	1.9	10
4281	microRNA-181a-5p antisense oligonucleotides attenuate osteoarthritis in facet and knee joints. Annals of the Rheumatic Diseases, 2019, 78, 111-121.	0.5	83

#	Article	IF	CITATIONS
4282	Milk-Derived Exosomes and Metabolic Regulation. Annual Review of Animal Biosciences, 2019, 7, 245-262.	3.6	115
4283	Introduction to Non-coding RNAs and High Throughput Sequencing. , 2019, , 3-31.		1
4285	The impact of lipids, lipid oxidation, and inflammation on AMD, and the potential role of miRNAs on lipid metabolism in the RPE. Experimental Eye Research, 2019, 181, 346-355.	1.2	71
4286	miARma-Seq, a comprehensive pipeline for the simultaneous study and integration of miRNA and mRNA expression data. Methods, 2019, 152, 31-40.	1.9	24
4287	A guide to micro <scp>RNA</scp> â€mediated gene silencing. FEBS Journal, 2019, 286, 642-652.	2.2	44
4288	Hair follicle miRNAs: a novel biomarker for primary blast Induced-Mild traumatic brain injury. Biomarkers, 2019, 24, 166-179.	0.9	7
4289	Systematic review of computational methods for identifying miRNA-mediated RNA-RNA crosstalk. Briefings in Bioinformatics, 2019, 20, 1193-1204.	3.2	16
4290	Bcl-x _L /Bak interaction and regulation by miRNA let-7b in the intrinsic apoptotic pathway of stored platelets. Platelets, 2019, 30, 75-80.	1.1	14
4291	Inferring MicroRNA Targets Based on Restricted Boltzmann Machines. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 427-436.	3.9	26
4292	Circulating non-coding RNAs in biomarker-guided cardiovascular therapy: a novel tool for personalized medicine?. European Heart Journal, 2019, 40, 1643-1650.	1.0	72
4293	A review of databases predicting the effects of SNPs in miRNA genes or miRNA-binding sites. Briefings in Bioinformatics, 2019, 20, 1011-1020.	3.2	18
4294	Diseases and their clinical heterogeneity – Are we ignoring the SNiPers and micRomaNAgers? An illustration using Beta-thalassemia clinical spectrum and fetal hemoglobin levels. Genomics, 2019, 111, 67-75.	1.3	8
4295	Expression of micrornas in molecular genetic breast cancer subtypes. Cancer Treatment and Research Communications, 2019, 20, 100026.	0.7	6
4296	Novel microRNA revealed by systematic analysis of the microRNA transcriptome in dentate gyrus granule cells. Neuroscience Letters, 2019, 707, 132280.	1.0	5
4297	Gene co-expression network approach for predicting prognostic microRNA biomarkers in different subtypes of breast cancer. Genomics, 2020, 112, 135-143.	1.3	22
4298	<i>RFCM³ </i> : Computational Method for Identification of miRNA-mRNA Regulatory Modules in Cervical Cancer. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 1729-1740.	1.9	9
4299	A simplified system for the effective expression and delivery of functional mature microRNAs in mammalian cells. Cancer Gene Therapy, 2020, 27, 424-437.	2.2	42
4300	MicroRNA and their target mRNAs change expression in whole blood of patients after intracerebral hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 775-786.	2.4	38

#	Article	IF	CITATIONS
4301	The lifestyle transition of Arthrobotrys oligospora is mediated by microRNA-like RNAs. Science China Life Sciences, 2020, 63, 543-551.	2.3	25
4302	Profiling and characterization of miRNAs associated with intramuscular fat content in Yorkshire pigs. Animal Biotechnology, 2020, 31, 256-263.	0.7	4
4303	MicroRNAs and Regeneration in Animal Models of CNS Disorders. Neurochemical Research, 2020, 45, 188-203.	1.6	15
4304	OBSOLETE: Discovery of microRNA–mRNA Interaction Through Genomics and Computational Prediction. , 2020, , .		1
4305	Hypermethylation-associated downregulation of microRNA-4456 in hypersexual disorder with putative influence on oxytocin signalling: A DNA methylation analysis of miRNA genes. Epigenetics, 2020, 15, 145-160.	1.3	16
4306	Current perspective on the regulation of FOXO4 and its role in disease progression. Cellular and Molecular Life Sciences, 2020, 77, 651-663.	2.4	42
4307	CircRNA expression profiles in decidual tissue of patients with early recurrent miscarriage. Genes and Diseases, 2020, 7, 414-423.	1.5	9
4309	SERPINB2 and miRâ€146a/b are coordinately regulated and act in the suppression of psoriasisâ€associated inflammatory responses in keratinocytes. Experimental Dermatology, 2020, 29, 51-60.	1.4	16
4310	MicroRNAâ€214â€3p modified tetrahedral framework nucleic acids target survivin to induce tumour cell apoptosis. Cell Proliferation, 2020, 53, e12708.	2.4	25
4311	Circulating microRNA expression profiling and bioinformatics analysis of patients with coronary artery disease by RNA sequencing. Journal of Clinical Laboratory Analysis, 2020, 34, e23020.	0.9	15
4312	Epigenetic requisites of the Cambrian explosion. , 2020, , 71-136.		0
4313	Biomarkers Predictive of Survival and Response to Immune Checkpoint Inhibitors in Melanoma. American Journal of Clinical Dermatology, 2020, 21, 1-11.	3.3	13
4314	The contribution of microRNA-mediated regulation to short- and long-term gene expression predictability. Journal of Theoretical Biology, 2020, 486, 110055.	0.8	0
4315	MicroRNA-411 and Its 5′-IsomiR Have Distinct Targets and Functions and Are Differentially Regulated in the Vasculature under Ischemia. Molecular Therapy, 2020, 28, 157-170.	3.7	53
4316	Epigenome-wide association study of DNA methylation and microRNA expression highlights novel pathways for human complex traits. Epigenetics, 2020, 15, 183-198.	1.3	15
4317	Nonâ€coding RNAs: key players in cardiac disease. Journal of Physiology, 2020, 598, 2995-3003.	1.3	26
4318	MicroRNAs: Crucial Regulators of Stress. MicroRNA (Shariqah, United Arab Emirates), 2020, 9, 93-100.	0.6	4
4319	In silico evidence of high frequency of miRNAâ€related SNPs in Esophageal Squamous Cell Carcinoma. Journal of Cellular Physiology, 2020, 235, 966-978.	2.0	3

#	ARTICLE	IF	Citations
4320	Levels of miR-125a-5p are altered in Mycobacterium avium-infected macrophages and associate with the triggering of an autophagic response. Microbes and Infection, 2020, 22, 31-39.	1.0	19
4321	Sensational MicroRNAs: Neurosensory Roles of the MicroRNA-183 Family. Molecular Neurobiology, 2020, 57, 358-371.	1.9	21
4322	Non-coding RNA regulatory networks. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2020, 1863, 194417.	0.9	262
4323	Emerging role of microRNAs in dilated cardiomyopathy: evidence regarding etiology. Translational Research, 2020, 215, 86-101.	2.2	29
4324	Circulating microRNA trafficking and regulation: computational principles and practice. Briefings in Bioinformatics, 2020, 21, 1313-1326.	3.2	4
4325	Non-coding RNAs: what are we missing?. Biochemistry and Cell Biology, 2020, 98, 23-30.	0.9	16
4326	High-throughput sequencing reveals biofluid exosomal miRNAs associated with immunity in pigs. Bioscience, Biotechnology and Biochemistry, 2020, 84, 53-62.	0.6	12
4327	Expression analysis of LTR-derived miR-1269a and target gene, KSR2 in Sebastes schlegelii. Genes and Genomics, 2020, 42, 55-65.	0.5	2
4328	A combination of LCPUFAs regulates the expression of miRNA-146a-5p in a murine asthma model and human alveolar cells. Prostaglandins and Other Lipid Mediators, 2020, 147, 106378.	1.0	16
4329	Scientific Advances in the Diagnosis of Emerging and Reemerging Viral Human Pathogens. , 2020, , 93-120.		3
4330	Targeting the microRNA binding domain of argonaute 2: rational inhibitor design and study of mutation effects on protein-ligand interaction. Journal of Biomolecular Structure and Dynamics, 2020, 38, 4710-4717.	2.0	5
4331	CYP3A4 and microRNAâ€122 are involved in the apoptosis of HepG2 cells induced by ILs 1â€decylâ€3â€methylimidazolium bromide. Journal of Biochemical and Molecular Toxicology, 2020, 34, e22419.	1.4	2
4332	Noncoding genome in eye disease., 2020,, 55-68.		0
4333	Sperm miRâ€15a and miRâ€29b are associated with bull fertility. Andrologia, 2020, 52, e13412.	1.0	20
4334	Lipid nanocarriers for microRNA delivery. Chemistry and Physics of Lipids, 2020, 226, 104837.	1.5	63
4335	Characterization of novel primary miRNA transcription units in human cells using Bru-seq nascent RNA sequencing. NAR Genomics and Bioinformatics, 2020, 2, lqz014.	1.5	10
4336	Circulating miRNA analysis for cancer diagnostics and therapy. Molecular Aspects of Medicine, 2020, 72, 100825.	2.7	114
4337	Serum microRNAs as novel biomarkers for osteoporotic vertebral fractures. Bone, 2020, 130, 115105.	1.4	54

#	Article	IF	CITATIONS
4338	Circ_0000218 plays a carcinogenic role in colorectal cancer progression by regulating miR-139-3p/RAB1A axis. Journal of Biochemistry, 2020, 167, 55-65.	0.9	36
4339	Folate inhibits miR-27a-3p expression during cervical carcinoma progression and oncogenic activity in human cervical cancer cells. Biomedicine and Pharmacotherapy, 2020, 122, 109654.	2.5	9
4340	Immunoregulatory properties of mesenchymal stem cells: Micro-RNAs. Immunology Letters, 2020, 219, 34-45.	1.1	18
4341	Research Progress on MicroRNAs Involved in the Regulation of Chicken Diseases. Journal of Poultry Science, 2020, 57, 7-17.	0.7	3
4342	Epigenetic response of endothelial cells to different wall shear stress magnitudes: A report of new mechanoâ€miRNAs. Journal of Cellular Physiology, 2020, 235, 7827-7839.	2.0	20
4343	MicroRNAs Cause Accelerated Decay of Short-Tailed Target mRNAs. Molecular Cell, 2020, 77, 775-785.e8.	4.5	33
4344	MicroRNAs and Metastasis. Cancers, 2020, 12, 96.	1.7	14
4345	Hsa-miR-584-5p as a novel candidate biomarker in Turkish men with severe coronary artery disease. Molecular Biology Reports, 2020, 47, 1361-1369.	1.0	8
4346	Fluorescence Signal Amplification Strategies Based on DNA Nanotechnology for miRNA Detection. Chemical Research in Chinese Universities, 2020, 36, 194-202.	1.3	14
4347	From 2646 to 15: differentially regulated microRNAs between progenitors from normal myometrium and leiomyoma. American Journal of Obstetrics and Gynecology, 2020, 222, 596.e1-596.e9.	0.7	18
4348	MicroRNA-613: A novel tumor suppressor in human cancers. Biomedicine and Pharmacotherapy, 2020, 123, 109799.	2.5	19
4349	Up-regulation of Sirt1/miR-149-5p signaling may play a role in resveratrol induced protection against ischemia via p53 in rat brain. Journal of Clinical Neuroscience, 2020, 72, 402-411.	0.8	40
4350	LIN28B Impairs the Transition of hESC-Derived \hat{l}^2 Cells from the Juvenile to Adult State. Stem Cell Reports, 2020, 14, 9-20.	2.3	9
4351	Complexity measures of the mature miRNA for improving pre-miRNAs prediction. Bioinformatics, 2020, 36, 2319-2327.	1.8	9
4352	Urateâ€induced immune programming: Consequences for gouty arthritis and hyperuricemia. Immunological Reviews, 2020, 294, 92-105.	2.8	121
4353	Mutations in gene regulatory elements linked to human limb malformations. Journal of Medical Genetics, 2020, 57, 361-370.	1.5	4
4354	Precision Medicine in Neurodegenerative Diseases: Some Promising Tips Coming from the microRNAs' World. Cells, 2020, 9, 75.	1.8	10
4355	Robust differential microRNA targeting driven by supplementary interactions in vitro. Rna, 2020, 26, 162-174.	1.6	14

#	ARTICLE	IF	CITATIONS
4356	miR-155 as a novel clinical target for hematological malignancies. Carcinogenesis, 2020, 41, 2-7.	1.3	63
4357	The role of endothelial miRNAs in myocardial biology and disease. Journal of Molecular and Cellular Cardiology, 2020, 138, 75-87.	0.9	20
4358	A Novel Bioengineered miR-127 Prodrug Suppresses the Growth and Metastatic Potential of Triple-Negative Breast Cancer Cells. Cancer Research, 2020, 80, 418-429.	0.4	44
4359	A photoactivatable microRNA probe for identification of microRNA targets and light-controlled suppression of microRNA target expression. Chemical Communications, 2020, 56, 627-630.	2.2	8
4360	Role of microRNAs in antiviral responses to dengue infection. Journal of Biomedical Science, 2020, 27, 4.	2.6	69
4361	The combination of ternary electrochemiluminescence system of g-C3N4 nanosheet/TEA/Cu@Cu2O and G-quadruplex-driven regeneration strategy for ultrasensitive bioanalysis. Biosensors and Bioelectronics, 2020, 152, 112006.	5.3	35
4362	Circulatory miRNA-484, 524, 615 and 628 expression profiling in HCV mediated HCC among Egyptian patients; implications for diagnosis and staging of hepatic cirrhosis and fibrosis. Journal of Advanced Research, 2020, 22, 57-66.	4.4	26
4363	Identification of Restless Legs Syndrome Genes by Mutational Load Analysis. Annals of Neurology, 2020, 87, 184-193.	2.8	19
4364	Influence of cryopreservation on structure and function of mammalian spermatozoa: an overview. Cell and Tissue Banking, 2020, 21, 1-15.	0.5	54
4365	Genetic features of Haliotis discus hannai by infection of vibrio and virus. Genes and Genomics, 2020, 42, 117-125.	0.5	1
4366	Diagnostic methods for the canine idiopathic dilated cardiomyopathy: A narrative evidence-based rapid review. Research in Veterinary Science, 2020, 128, 205-216.	0.9	2
4367	Multiple microRNAs control ecdysone signaling in the midgut of <i>Spodoptera litura </i> Science, 2020, 27, 1208-1223.	1.5	11
4368	miR-142a-3p promotes the proliferation of porcine hemagglutinating encephalomyelitis virus by targeting Rab3a. Archives of Virology, 2020, 165, 345-354.	0.9	4
4369	Profiling torpor-responsive microRNAs in muscles of the hibernating primate Microcebus murinus. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2020, 1863, 194473.	0.9	14
4370	Functional screenings reveal different requirements for host microRNAs in Salmonella and Shigella infection. Nature Microbiology, 2020, 5, 192-205.	5.9	25
4371	What's the target: understanding two decades of <i>in silico</i> i> microRNA-target prediction. Briefings in Bioinformatics, 2020, 21, 1999-2010.	3.2	35
4372	Structural characterization and antioxidant effect of green alga Enteromorpha prolifera polysaccharide in Caenorhabditis elegans via modulation of microRNAs. International Journal of Biological Macromolecules, 2020, 150, 1084-1092.	3.6	35
4373	Identification and functional validation of genetic variants in potential miRNA target sites of established BMI genes. International Journal of Obesity, 2020, 44, 1191-1195.	1.6	5

#	Article	IF	CITATIONS
4374	MicroRNA-34a Acutely Regulates Synaptic Efficacy in the Adult Dentate Gyrus In Vivo. Molecular Neurobiology, 2020, 57, 1432-1445.	1.9	11
4375	microRNA-605 rs2043556 polymorphisms affect clopidogrel therapy through modulation of CYP2B6 and P2RY12 in acute coronary syndrome patients. Platelets, 2020, 31, 897-905.	1.1	15
4376	The impact of miRâ€183/182/96 gene regulation on the maturation, survival, and function of photoreceptor cells in the retina. Journal of Comparative Neurology, 2020, 528, 1616-1625.	0.9	10
4377	Fructose-mediated effects on gene expression and epigenetic mechanisms associated with NAFLD pathogenesis. Cellular and Molecular Life Sciences, 2020, 77, 2079-2090.	2.4	52
4378	MiRNA-19a and miRNA-19b regulate proliferation of antler cells by targeting TGFBR2. Mammal Research, 2020, 65, 339-348.	0.6	4
4379	Oral Cancer. Surgical Oncology Clinics of North America, 2020, 29, 127-144.	0.6	19
4380	Clinical manifestation of hemophilia A in the absence of mutations in the <i>F8</i> gene that encodes FVIII: role of microRNAs. Transfusion, 2020, 60, 401-413.	0.8	22
4381	Integrated analysis of the miRNA–mRNA next-generation sequencing data for finding their associations in different cancer types. Computational Biology and Chemistry, 2020, 84, 107152.	1.1	5
4382	MicroRNAâ€498 reduces the proliferation and invasion of colorectal cancer cells via targeting Bclâ€2. FEBS Open Bio, 2020, 10, 168-175.	1.0	10
4383	Emerging isothermal amplification technologies for microRNA biosensing: Applications to liquid biopsies. Molecular Aspects of Medicine, 2020, 72, 100832.	2.7	48
4384	MicroRNA miR-7 Regulates Secretion of Insulin-Like Peptides. Endocrinology, 2020, 161, .	1.4	14
4385	MicroRNAs in Tumor Exosomes Drive Immune Escape in Melanoma. Cancer Immunology Research, 2020, 8, 255-267.	1.6	98
4386	microRNA: The Impact on Cancer Stemness and Therapeutic Resistance. Cells, 2020, 9, 8.	1.8	46
4387	An Emerging Role for isomiRs and the microRNA Epitranscriptome in Neovascularization. Cells, 2020, 9, 61.	1.8	31
4388	Identification and study of differentially expressed miRNAs in aged NAFLD rats based on high-throughput sequencing. Annals of Hepatology, 2020, 19, 302-312.	0.6	18
4389	Quantitative and time-resolved miRNA pattern of early human T cell activation. Nucleic Acids Research, 2020, 48, 10164-10183.	6.5	12
4390	Mesenchymal Stromal Cells as Critical Contributors to Tissue Regeneration. Frontiers in Cell and Developmental Biology, 2020, 8, 576176.	1.8	68
4391	Plant miRNAs Reduce Cancer Cell Proliferation by Targeting MALAT1 and NEAT1: A Beneficial Cross-Kingdom Interaction. Frontiers in Genetics, 2020, 11, 552490.	1.1	16

#	ARTICLE	IF	CITATIONS
4392	The Biomarker and Therapeutic Potential of Circular Rnas in Schizophrenia. Cells, 2020, 9, 2238.	1.8	11
4393	microRNA exchange via extracellular vesicles in cancer. Cell Proliferation, 2020, 53, e12877.	2.4	32
4394	Polyunsaturated Fatty Acids of Both the Omega-3 and the Omega-6 Family Abrogate the Cytokine-Induced Upregulation of miR-29a-3p by Endothelial Cells. Molecules, 2020, 25, 4466.	1.7	7
4395	Comparison of miRNA Expression Profiles between HIV-1 and HIV-2 Infected Monocyte-Derived Macrophages (MDMs) and Peripheral Blood Mononuclear Cells (PBMCs). International Journal of Molecular Sciences, 2020, 21, 6970.	1.8	10
4396	MicroRNA interplay between hepatic stellate cell quiescence and activation. European Journal of Pharmacology, 2020, 885, 173507.	1.7	78
4397	The significance of microRNA deregulation in colorectal cancer development and the clinical uses as a diagnostic and prognostic biomarker and therapeutic agent. Non-coding RNA Research, 2020, 5, 125-134.	2.4	24
4398	Regulation of Ras homolog family member G by microRNA-124 regulates proliferation and migration of human retinal pigment epithelial cells. Scientific Reports, 2020, 10, 15420.	1.6	3
4399	Role of miRNA-mRNA Interaction in Neural Stem Cell Differentiation of Induced Pluripotent Stem Cells. International Journal of Molecular Sciences, 2020, 21, 6980.	1.8	6
4400	Epigenetic regulation of miR-29a/miR-30c/DNMT3A axis controls SOD2 and mitochondrial oxidative stress in human mesenchymal stem cells. Redox Biology, 2020, 37, 101716.	3.9	34
4401	Non-Coding RNAs, a Novel Paradigm for the Management of Gastrointestinal Stromal Tumors. International Journal of Molecular Sciences, 2020, 21, 6975.	1.8	5
4402	Proteomic and deep sequencing analysis of extracellular vesicles isolated from adult male and female Schistosoma japonicum. PLoS Neglected Tropical Diseases, 2020, 14, e0008618.	1.3	16
4403	Long intergenic noncoding RNA01134 accelerates hepatocellular carcinoma progression by sponging microRNA-4784 and downregulating structure specific recognition protein 1. Bioengineered, 2020, 11, 1016-1026.	1.4	23
4404	Identification of male infertility-related long non-coding RNAs and their functions based on a competing endogenous RNA network. Journal of International Medical Research, 2020, 48, 030006052096127.	0.4	6
4405	MicroRNA dynamics during hibernation of the Australian central bearded dragon (Pogona vitticeps). Scientific Reports, 2020, 10, 17854.	1.6	4
4406	Advances in Natural or Synthetic Nanoparticles for Metastatic Melanoma Therapy and Diagnosis. Cancers, 2020, 12, 2893.	1.7	14
4407	Impaired cell migration and structural defects in myeloid cells overexpressing miR-30b and miR-142-3p. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2020, 1863, 194628.	0.9	14
4408	Altered Regulation of adipomiR Editing with Aging. International Journal of Molecular Sciences, 2020, 21, 6899.	1.8	4
4409	Mir-20a-5p induced WTX deficiency promotes gastric cancer progressions through regulating PI3K/AKT signaling pathway. Journal of Experimental and Clinical Cancer Research, 2020, 39, 212.	3.5	33

#	Article	IF	CITATIONS
4410	Gene expression profiling in allopurinol-induced severe cutaneous adverse reactions in Vietnamese. Pharmacogenomics, 2020, 21, 985-994.	0.6	2
4411	More than Nutrition: Therapeutic Potential of Breast Milk-Derived Exosomes in Cancer. International Journal of Molecular Sciences, 2020, 21, 7327.	1.8	45
4412	MicroRNAs as Biomarkers in Canine Osteosarcoma: A New Future?. Veterinary Sciences, 2020, 7, 146.	0.6	10
4413	The suppressive role of miR-362-3p in epithelial ovarian cancer. Heliyon, 2020, 6, e04258.	1.4	8
4414	PUMA: PANDA Using MicroRNA Associations. Bioinformatics, 2020, 36, 4765-4773.	1.8	17
4415	Pan-cancer analysis of somatic mutations in miRNA genes. EBioMedicine, 2020, 61, 103051.	2.7	29
4416	Holistic insights into meningitic <i>Escherichia coli</i> ii> infection of astrocytes based on whole transcriptome profiling. Epigenomics, 2020, 12, 1611-1632.	1.0	5
4417	Unconservative_15_2570409 suppresses progesterone receptor expression in the granulosa cells of Hu sheep. Theriogenology, 2020, 157, 303-313.	0.9	9
4418	Epigenetic Regulators Involved in Osteoclast Differentiation. International Journal of Molecular Sciences, 2020, 21, 7080.	1.8	15
4419	HDL Nanoparticles Have Wound Healing and Antiâ€Inflammatory Properties and Can Topically Deliver miRNAs. Advanced Therapeutics, 2020, 3, 2000138.	1.6	10
4420	Circulating microRNAs associated with liver fibrosis in chronic hepatitis C patients. Biochemistry and Biophysics Reports, 2020, 24, 100814.	0.7	11
4421	Potential role of ACE2-related microRNAs in COVID-19-associated nephropathy. Non-coding RNA Research, 2020, 5, 153-166.	2.4	64
4422	Identification and analysis of miRNAs in the normal and fatty liver from the Holstein dairy cow. Animal Biotechnology, 2022, 33, 468-479.	0.7	2
4423	The biochemical basis for the cooperative action of microRNAs. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17764-17774.	3.3	53
4424	MicroRNAs in Extracellular Vesicles in Sweat Change in Response to Endurance Exercise. Frontiers in Physiology, 2020, 11, 676.	1.3	22
4425	A Comprehensive Review of Cancer MicroRNA Therapeutic Delivery Strategies. Cancers, 2020, 12, 1852.	1.7	148
4426	A global view of the miRNA-mitophagy connexion. Progress in Molecular Biology and Translational Science, 2020, 172, 37-54.	0.9	8
4427	Transcriptome Characterization of Repressed Embryonic Myogenesis Due to Maternal Calorie Restriction. Frontiers in Cell and Developmental Biology, 2020, 8, 527.	1.8	2

#	Article	IF	CITATIONS
4428	Multipotent miRNA Sponge-Loaded Magnetic Nanodroplets with Ultrasound/Magnet-Assisted Delivery for Hepatocellular Carcinoma Therapy. Molecular Pharmaceutics, 2020, 17, 2891-2910.	2.3	2
4429	Corneal epithelial biology: Lessons stemming from old to new. Experimental Eye Research, 2020, 198, 108094.	1.2	28
4430	Muscle and cardiac therapeutic strategies for Duchenne muscular dystrophy: past, present, and future. Pharmacological Reports, 2020, 72, 1227-1263.	1.5	46
4431	Redirection of miRNAâ€Argonaute Complexes to Specific Target Sites by Synthetic Adaptor Molecules. Chemistry and Biodiversity, 2020, 17, e2000272.	1.0	2
4432	<scp>MicroRNA</scp> â€92b acts as an oncogene by targeting <scp>PTEN</scp> / <scp>AKT</scp> in <scp>NSCLC</scp> . Cell Biochemistry and Function, 2020, 38, 1100-1110.	1.4	8
4433	Roles of Noncoding RNAs in Islet Biology. , 2020, 10, 893-932.		7
4434	Human microRNAs in host–parasite interaction: a review. 3 Biotech, 2020, 10, 510.	1.1	35
4435	Targeting endothelin 1 receptor-miR-200b/c-ZEB1 circuitry blunts metastatic progression in ovarian cancer. Communications Biology, 2020, 3, 677.	2.0	13
4436	Analysis of miR-9-5p, miR-124-3p, miR-21-5p, miR-138-5p, and miR-1-3p in Glioblastoma Cell Lines and Extracellular Vesicles. International Journal of Molecular Sciences, 2020, 21, 8491.	1.8	25
4437	MicroRNA-Based Fingerprinting of Cervical Lesions and Cancer. Journal of Clinical Medicine, 2020, 9, 3668.	1.0	17
4438	MicroRNA-149: A review of its role in digestive system cancers. Pathology Research and Practice, 2020, 216, 153266.	1.0	10
4439	The Physiological MicroRNA Landscape in Nipple Aspirate Fluid: Differences and Similarities with Breast Tissue, Breast Milk, Plasma and Serum. International Journal of Molecular Sciences, 2020, 21, 8466.	1.8	4
4440	Tribbles-1 Expression and Its Function to Control Inflammatory Cytokines, Including Interleukin-8 Levels are Regulated by miRNAs in Macrophages and Prostate Cancer Cells. Frontiers in Immunology, 2020, 11, 574046.	2.2	18
4441	Identification of Recurrent Mutations in the microRNA-Binding Sites of B-Cell Lymphoma-Associated Genes in Follicular Lymphoma. International Journal of Molecular Sciences, 2020, 21, 8795.	1.8	1
4442	Identification of miR-515-3p and its targets, vimentin and MMP3, as a key regulatory mechanism in esophageal cancer metastasis: functional and clinical significance. Signal Transduction and Targeted Therapy, 2020, 5, 271.	7.1	25
4443	miRNA-Mediated Immune Regulation in Islet Autoimmunity and Type 1 Diabetes. Frontiers in Endocrinology, 2020, 11, 606322.	1.5	15
4444	Epigenetic regulation by polyphenols in diabetes and related complications. Mediterranean Journal of Nutrition and Metabolism, 2020, 13, 289-310.	0.2	26
4445	Regulatory RNAs: A Universal Language for Inter-Domain Communication. International Journal of Molecular Sciences, 2020, 21, 8919.	1.8	18

#	Article	IF	CITATIONS
4446	Dihydroquercetin attenuates lipopolysaccharide-induced acute lung injury through modulating FOXO3-mediated NF-ÎB signaling via miR-132–3p. Pulmonary Pharmacology and Therapeutics, 2020, 64, 101934.	1.1	16
4447	Bovine hepatic miRNAome profiling and differential miRNA expression analyses between beef steers with divergent feed efficiency phenotypes. Scientific Reports, 2020, 10, 19309.	1.6	10
4448	The tumor suppressor microRNA let-7 inhibits human LINE-1 retrotransposition. Nature Communications, 2020, 11, 5712.	5.8	37
4449	The ZSWIM8 ubiquitin ligase mediates target-directed microRNA degradation. Science, 2020, 370, .	6.0	138
4450	An integrated approach to unravel a putative crosstalk network in Alzheimer's disease and Parkinson's disease. Neuropeptides, 2020, 83, 102078.	0.9	12
4451	Regulation of Glycolysis by Non-coding RNAs in Cancer: Switching on the Warburg Effect. Molecular Therapy - Oncolytics, 2020, 19, 218-239.	2.0	87
4452	From thymus to periphery: Molecular basis of effector γδâ€T cell differentiation. Immunological Reviews, 2020, 298, 47-60.	2.8	42
4453	miR-204/COX5A axis contributes to invasion and chemotherapy resistance in estrogen receptor-positive breast cancers. Cancer Letters, 2020, 492, 185-196.	3.2	11
4454	miR-324-5p Contributes to Cell Proliferation and Apoptosis in Pancreatic Cancer by Targeting KLF3. Molecular Therapy - Oncolytics, 2020, 18, 432-442.	2.0	17
4455	Marine periwinkle stress-responsive microRNAs: A potential factor to reflect anoxia and freezing survival adaptations. Genomics, 2020, 112, 4385-4398.	1.3	4
4456	Non-coding RNAS and colorectal cancer liver metastasis. Molecular and Cellular Biochemistry, 2020, 475, 151-159.	1.4	4
4457	<p>Comprehensive Analysis of SiNPs on the Genome-Wide Transcriptional Changes in Caenorhabditis elegans</p> . International Journal of Nanomedicine, 2020, Volume 15, 5227-5237.	3.3	8
4458	Fecal microRNAs as Innovative Biomarkers of Intestinal Diseases and Effective Players in Host-Microbiome Interactions. Cancers, 2020, 12, 2174.	1.7	36
4459	Dynamic global analysis of transcription reveals the role of miRNAs in synergistic stabilization of gene expression. Science Bulletin, 2020, 65, 2130-2140.	4.3	3
4460	The miRâ€140â€5p/KLF9/KCNQ1 axis promotes the progression of renal cell carcinoma. FASEB Journal, 2020, 34, 10623-10639.	0.2	20
4461	Modulating the T Lymphocyte Immune Response via Secretome Produced miRNA: From Tolerance Induction to the Enhancement of the Anticancer Response. , 2020, , .		0
4462	<p>miR-195 Serves as a Tumor Suppressor in the Progression of Liposarcoma by Targeting OSBP</p> . OncoTargets and Therapy, 2020, Volume 13, 6465-6474.	1.0	3
4463	Intestinal Lipid Metabolism Genes Regulated by miRNAs. Frontiers in Genetics, 2020, 11, 707.	1.1	12

#	Article	IF	CITATIONS
4464	Mitochondrial Dysfunction, Neurogenesis, and Epigenetics: Putative Implications for Amyotrophic Lateral Sclerosis Neurodegeneration and Treatment. Frontiers in Neuroscience, 2020, 14, 679.	1.4	38
4465	miRNA Regulation of T Cells in Islet Autoimmunity and Type 1 Diabetes. Current Diabetes Reports, 2020, 20, 41.	1.7	14
4466	Small RNA Deep Sequencing Identifies a Unique miRNA Signature Released in Serum Exosomes in a Mouse Model of Sjögren's Syndrome. Frontiers in Immunology, 2020, 11, 1475.	2.2	11
4467	Plasma circulating miR-23~27~24 clusters correlate with the immunometabolic derangement and predict C-peptide loss in children with type 1 diabetes. Diabetologia, 2020, 63, 2699-2712.	2.9	25
4468	Non-coding RNAs: emerging players in cardiomyocyte proliferation and cardiac regeneration. Basic Research in Cardiology, 2020, 115, 52.	2.5	48
4469	MicroRNAs in cartilage development and dysplasia. Bone, 2020, 140, 115564.	1.4	12
4470	Integrated analysis of mRNA and miRNA expression profiles reveals muscle growth differences between fast- and slow-growing king ratsnakes (Elaphe carinata). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 248-249, 110482.	0.7	1
4471	The role of exosomal miRâ€375â€3p: A potential suppressor in bladder cancer via the Wnt/βâ€catenin pathway. FASEB Journal, 2020, 34, 12177-12196.	0.2	32
4472	The Emerging Role of MicroRNAs in Breast Cancer. Journal of Oncology, 2020, 2020, 1-7.	0.6	31
4473	miRNA degradation in the mammalian brain. American Journal of Physiology - Cell Physiology, 2020, 319, C624-C629.	2.1	22
4474	Key MicroRNA's and Their Targetome in Adrenocortical Cancer. Cancers, 2020, 12, 2198.	1.7	15
4475	Small RNAs, Big Diseases. International Journal of Molecular Sciences, 2020, 21, 5699.	1.8	8
4476	miRNA-based biomarkers, therapies, and resistance in Cancer. International Journal of Biological Sciences, 2020, 16, 2628-2647.	2.6	258
4477	Noncoding RNAs implication in cardiovascular diseases in the COVID-19 era. Journal of Translational Medicine, 2020, 18, 408.	1.8	16
4478	An evolutionarily acquired microRNA shapes development of mammalian cortical projections. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29113-29122.	3.3	21
4479	<p>Assessment of Cell-Free Long Non-Coding RNA-H19 and miRNA-29a, miRNA-29b Expression and Severity of Diabetes</p> . Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 3727-3737.	1.1	17
4480	Potential for Targeting Myeloid Cells in Controlling CNS Inflammation. Frontiers in Immunology, 2020, 11, 571897.	2.2	12
4481	The Role of Non-Coding RNAs in Uveal Melanoma. Cancers, 2020, 12, 2944.	1.7	15

#	Article	IF	CITATIONS
4482	SOD1-targeting therapies for neurodegenerative diseases: a review of current findings and future potential. Expert Opinion on Orphan Drugs, 2020, 8, 379-392.	0.5	2
4483	<p>Long Noncoding RNA VPS9D1-AS1 Sequesters microRNA-525-5p to Promote the Oncogenicity of Colorectal Cancer Cells by Upregulating HMGA1</p> . Cancer Management and Research, 2020, Volume 12, 9915-9928.	0.9	13
4484	New Insights on the Mobility of Viral and Host Non-Coding RNAs Reveal Extracellular Vesicles as Intriguing Candidate Antiviral Targets. Pathogens, 2020, 9, 876.	1.2	3
4485	Computational identification of maize miRNA and their gene targets involved in biotic and abiotic stresses. Journal of Biosciences, 2020, 45, 1.	0.5	3
4486	Arsenic-induced changes in miRNA expression in cancer and other diseases. Toxicology and Applied Pharmacology, 2020, 409, 115306.	1.3	56
4487	Repeated sampling facilitates within- and between-subject modeling of the human sperm transcriptome to identify dynamic and stress-responsive sncRNAs. Scientific Reports, 2020, 10, 17498.	1.6	16
4488	Brain microRNAs among social and solitary bees. Royal Society Open Science, 2020, 7, 200517.	1.1	13
4489	Epidrugs: novel epigenetic regulators that open a new window for targeting osteoblast differentiation. Stem Cell Research and Therapy, 2020, 11, 456.	2.4	22
4490	Genetic Deletion of miR-430 Disrupts Maternal-Zygotic Transition and Embryonic Body Plan. Frontiers in Genetics, 2020, 11, 853.	1.1	11
4491	The Regulatory Role of Mitochondrial MicroRNAs (MitomiRs) in Breast Cancer: Translational Implications Present and Future. Cancers, 2020, 12, 2443.	1.7	28
4492	Tumor Suppressor Role of hsa-miR-193a-3p and -5p in Cutaneous Melanoma. International Journal of Molecular Sciences, 2020, 21, 6183.	1.8	16
4493	Insights into the Role of microRNAs in Colorectal Cancer (CRC) Metabolism. Cancers, 2020, 12, 2462.	1.7	16
4494	LINCO2418 promotes colon cancer progression by suppressing apoptosis via interaction with miR-34b-5p/BCL2 axis. Cancer Cell International, 2020, 20, 460.	1.8	22
4495	The Role of microRNAs in Metabolic Syndrome-Related Oxidative Stress. International Journal of Molecular Sciences, 2020, 21, 6902.	1.8	36
4496	The Epigenetic Link between Polyphenols, Aging and Age-Related Diseases. Genes, 2020, 11, 1094.	1.0	50
4497	Role of microRNAs in insect-baculovirus interactions. Insect Biochemistry and Molecular Biology, 2020, 127, 103459.	1.2	7
4498	Integrative genomics identifies a convergent molecular subtype that links epigenomic with transcriptomic differences in autism. Nature Communications, 2020, 11, 4873.	5.8	62
4499	An improvement of ComiR algorithm for microRNA target prediction by exploiting coding region sequences of mRNAs. BMC Bioinformatics, 2020, 21, 201.	1.2	12

#	ARTICLE	lF	CITATIONS
4500	Pten and Dicer1 loss in the mouse uterus causes poorly differentiated endometrial adenocarcinoma. Oncogene, 2020, 39, 6286-6299.	2.6	9
4501	Identification of Novel SARS-CoV-2 Drug Targets by Host MicroRNAs and Transcription Factors Co-regulatory Interaction Network Analysis. Frontiers in Genetics, 2020, 11, 571274.	1.1	52
4502	MicroRNAs Regulate Intestinal Immunity and Gut Microbiota for Gastrointestinal Health: A Comprehensive Review. Genes, 2020, 11, 1075.	1.0	36
4503	Identifying metastasis-initiating miRNA-target regulations of colorectal cancer from expressional changes in primary tumors. Scientific Reports, 2020, 10, 14919.	1.6	7
4504	Characterization and functional prediction of the microRNAs differentially expressed in a mouse model of concanavalin A-induced autoimmune hepatitis. International Journal of Medical Sciences, 2020, 17, 2312-2327.	1.1	9
4505	Role of epigenetics and <scp>miRNAs</scp> in orofacial clefts. Birth Defects Research, 2020, 112, 1635-1659.	0.8	22
4506	Potential role of miR-214 in \hat{l}^2 -catenin gene expression within hepatocellular carcinoma. Molecular Biology Reports, 2020, 47, 7429-7437.	1.0	7
4507	MicroRNAs Responding to Space Radiation. International Journal of Molecular Sciences, 2020, 21, 6603.	1.8	6
4508	Non-Coding RNAs: Strategy for Viruses' Offensive. Non-coding RNA, 2020, 6, 38.	1.3	5
4509	Exosomal miRNAs as Potential Diagnostic Biomarkers in Alzheimer's Disease. Pharmaceuticals, 2020, 13, 243.	1.7	36
4510	The Evolution of Imprinted microRNAs and Their RNA Targets. Genes, 2020, 11, 1038.	1.0	6
4511	Role of miR-30a-3p Regulation of Oncogenic Targets in Pancreatic Ductal Adenocarcinoma Pathogenesis. International Journal of Molecular Sciences, 2020, 21, 6459.	1.8	13
4512	Different miRNA contents between mammary epithelial cells and milk fat globules: a random or a targeted process?. Molecular Biology Reports, 2020, 47, 8259-8264.	1.0	9
4513	Exosomal microRNAs are novel circulating biomarkers in cigarette, waterpipe smokers, E-cigarette users and dual smokers. BMC Medical Genomics, 2020, 13, 128.	0.7	33
4514	The Role of MicroRNAs in Epidermal Barrier. International Journal of Molecular Sciences, 2020, 21, 5781.	1.8	14
4515	Robust partitioning of microRNA targets from downstream regulatory changes. Nucleic Acids Research, 2020, 48, 9724-9746.	6. 5	18
4516	MicroRNAs in Alzheimer's Disease: Function and Potential Applications as Diagnostic Biomarkers. Frontiers in Molecular Neuroscience, 2020, 13, 160.	1.4	57
4517	Ionizing Radiation-Induced Epigenetic Modifications and Their Relevance to Radiation Protection. International Journal of Molecular Sciences, 2020, 21, 5993.	1.8	59

#	ARTICLE	IF	CITATIONS
4518	Critical Roles of Tumor Extracellular Vesicles in the Microenvironment of Thoracic Cancers. International Journal of Molecular Sciences, 2020, 21, 6024.	1.8	12
4519	Regulators at Every Step—How microRNAs Drive Tumor Cell Invasiveness and Metastasis. Cancers, 2020, 12, 3709.	1.7	22
4520	MicroRNAs in Several Cutaneous Autoimmune Diseases: Psoriasis, Cutaneous Lupus Erythematosus and Atopic Dermatitis. Cells, 2020, 9, 2656.	1.8	24
4521	<p>Circulating miRNA Signatures Associated with Insulin Resistance in Adolescents with Obesity</p> . Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 4929-4939.	1.1	14
4522	A multivariable miRNA signature delineates the systemic hemodynamic impact of arteriovenous shunt placement in a pilot study. Scientific Reports, 2020, 10, 21809.	1.6	5
4523	Deep Learning-Based microRNA Target Prediction Using Experimental Negative Data. IEEE Access, 2020, 8, 197908-197916.	2.6	3
4524	Interphotoreceptor Retinoid-Binding Protein (IRBP) in Retinal Health and Disease. Frontiers in Cellular Neuroscience, 2020, 14, 577935.	1.8	15
4525	MiRNA and LncRNA as Potential Biomarkers in Triple-Negative Breast Cancer: A Review. Frontiers in Oncology, 2020, 10, 526850.	1.3	78
4526	Comprehensive MicroRNA Expression Profile of the Mammary Gland in Lactating Dairy Cows With Extremely Different Milk Protein and Fat Percentages. Frontiers in Genetics, 2020, 11, 548268.	1.1	9
4527	Non-invasive Technology Advances in Cancer—A Review of the Advances in the Liquid Biopsy for Endometrial and Ovarian Cancers. Frontiers in Digital Health, 2020, 2, 573010.	1.5	3
4528	Quantification of purified endogenous miRNAs with high sensitivity and specificity. Nature Communications, 2020, 11, 6033.	5.8	55
4529	MicroRNA-18a-5p Suppresses Tumor Growth via Targeting Matrix Metalloproteinase-3 in Cisplatin-Resistant Ovarian Cancer. Frontiers in Oncology, 2020, 10, 602670.	1.3	15
4530	MicroRNAome: Potential and Veritable Immunomolecular Therapeutic and Diagnostic Baseline for Lingering Bovine Endometritis. Frontiers in Veterinary Science, 2020, 7, 614054.	0.9	7
4531	Premature MicroRNA-Based Therapeutic: A "One-Two Punch―against Cancers. Cancers, 2020, 12, 3831.	1.7	3
4532	MicroRNA-9 as a paradoxical but critical regulator of cancer metastasis: Implications in personalized medicine. Genes and Diseases, 2021, 8, 759-768.	1.5	5
4533	Blood gene transcript signature profiling in pregnancies resulting in preterm birth: A systematic review. European Journal of Obstetrics and Gynecology and Reproductive Biology: X, 2020, 8, 100118.	0.6	3
4534	Progress and promises of epigenetic drugs and epigenetic diets in cancer prevention and therapy: A clinical update. Seminars in Cancer Biology, 2022, 83, 503-522.	4.3	34
4535	Widespread transcriptional disruption of the microRNA biogenesis machinery in brain and peripheral tissues of individuals with schizophrenia. Translational Psychiatry, 2020, 10, 376.	2.4	16

#	Article	IF	Citations
4536	<p>MicroRNA-361-3p Inhibit the Progression of Lymphoma by the Wnt \hat{l}^2 -Catenin Signaling Pathway</p>. Cancer Management and Research, 2020, Volume 12, 12375-12384.	0.9	7
4537	Nutraceutical Targeting of Inflammation-Modulating microRNAs in Severe Forms of COVID-19: A Novel Approach to Prevent the Cytokine Storm. Frontiers in Pharmacology, 2020, 11, 602999.	1.6	17
4538	Strategies for Targeting Gene Therapy in Cancer Cells With Tumor-Specific Promoters. Frontiers in Oncology, 2020, 10, 605380.	1.3	72
4539	In silico Prediction of miRNA Interactions With Candidate Atherosclerosis Gene mRNAs. Frontiers in Genetics, 2020, 11, 605054.	1.1	13
4540	Circulating microRNAs in Breast Milk and Their Potential Impact on the Infant. Nutrients, 2020, 12, 3066.	1.7	40
4541	Computational prediction of miRNA/mRNA duplexomes at the whole human genome scale reveals functional subnetworks of interacting genes with embedded miRNA annealing motifs. Computational Biology and Chemistry, 2020, 88, 107366.	1.1	3
4542	Screening for Gestational Diabetes Mellitus: The Potential of MicroRNAs. , 0, , .		1
4543	Predictive role of single nucleotide polymorphism (rs11614913) in the development of breast cancer in Pakistani population. Personalized Medicine, 2020, 17, 213-227.	0.8	8
4544	How the enriched get richer? Experience-dependent modulation of microRNAs and the therapeutic effects of environmental enrichment. Pharmacology Biochemistry and Behavior, 2020, 195, 172940.	1.3	4
4545	From Environment to Genome and Back: A Lesson from HFE Mutations. International Journal of Molecular Sciences, 2020, 21, 3505.	1.8	7
4546	Exosomal MiRNA Transfer between Retinal Microglia and RPE. International Journal of Molecular Sciences, 2020, 21, 3541.	1.8	29
4547	Singleâ€cell sequencing of miRNAs: A modified technology. Cell Biology International, 2020, 44, 1773-1780.	1.4	8
4548	CircularRNA-9119 promotes the proliferation of cervical cancer cells by sponging miR-126/MDM4. Molecular and Cellular Biochemistry, 2020, 470, 53-62.	1.4	8
4549	MiR-210-3p Inhibits Proliferation and Migration of C6 Cells by Targeting Iscu. Neurochemical Research, 2020, 45, 1813-1824.	1.6	6
4550	Genetic, Epigenetic, and Steroidogenic Modulation Mechanisms in Endometriosis. Journal of Clinical Medicine, 2020, 9, 1309.	1.0	37
4551	miR \hat{a} \in 199 family contributes to regulation of sonic hedgehog expression during craniofacial development. Developmental Dynamics, 2020, 249, 1062-1076.	0.8	9
4553	<p>Brain Targeted Gold Liposomes Improve RNAi Delivery for Glioblastoma</p> . International Journal of Nanomedicine, 2020, Volume 15, 2809-2828.	3.3	58
4554	SAFB2 Enables the Processing of Suboptimal Stem-Loop Structures in Clustered Primary miRNA Transcripts. Molecular Cell, 2020, 78, 876-889.e6.	4.5	43

#	ARTICLE	IF	Citations
4555	The Role of MicroRNA in the Airway Surface Liquid Homeostasis. International Journal of Molecular Sciences, 2020, 21, 3848.	1.8	20
4556	AGO-bound mature miRNAs are oligouridylated by TUTs and subsequently degraded by DIS3L2. Nature Communications, 2020, 11, 2765.	5.8	56
4557	Diagnostic and Therapeutic Potential of microRNAs in Acute Kidney Injury. Frontiers in Pharmacology, 2020, 11, 657.	1.6	26
4558	Identification and characterization of microRNAs (miRNAs) and their transposable element origins in the saltwater crocodile, Crocodylus porosus. Analytical Biochemistry, 2020, 602, 113781.	1.1	6
4559	High-Resolution InÂVivo Identification of miRNA Targets by Halo-Enhanced Ago2 Pull-Down. Molecular Cell, 2020, 79, 167-179.e11.	4.5	36
4560	miR-34 regulates larval growth and wing morphogenesis by directly modulating ecdysone signalling and cuticle protein in <i>Bombyx mori</i> . RNA Biology, 2020, 17, 1342-1351.	1.5	20
4561	Functional miRNA Screening Identifies Wide-ranging Antitumor Properties of miR-3622b-5p and Reveals a New Therapeutic Combination Strategy in Ovarian Tumor Organoids. Molecular Cancer Therapeutics, 2020, 19, 1506-1519.	1.9	16
4562	The Interplay between MicroRNAs and the Components of the Tumor Microenvironment in B-Cell Malignancies. International Journal of Molecular Sciences, 2020, 21, 3387.	1.8	20
4563	High-Throughput Identification of MiR-145 Targets in Human Articular Chondrocytes. Life, 2020, 10, 58.	1.1	6
4564	Soybean-derived miRNAs specifically inhibit proliferation and stimulate apoptosis of human colonic Caco-2 cancer cells but not normal mucosal cells in culture. Genomics, 2020, 112, 2949-2958.	1.3	15
4565	Long noncoding RNA MALAT1 inhibits the apoptosis and autophagy of hepatocellular carcinoma cell by targeting the microRNA-146a/PI3K/Akt/mTOR axis. Cancer Cell International, 2020, 20, 165.	1.8	48
4566	Liquid biopsy for breast cancer using extracellular vesicles and cell-free microRNAs as biomarkers. Translational Research, 2020, 223, 40-60.	2.2	34
4567	Dysregulation of the MMP/TIMP Proteolytic System in Subependymal Giant Cell Astrocytomas in Patients With Tuberous Sclerosis Complex: Modulation of MMP by MicroRNA-320d In Vitro. Journal of Neuropathology and Experimental Neurology, 2020, 79, 777-790.	0.9	12
4568	Role of microRNA 690 in Mediating Angiotensin II Effects on Inflammation and Endoplasmic Reticulum Stress. Cells, 2020, 9, 1327.	1.8	15
4569	RNA-Binding Proteins in Pulmonary Hypertension. International Journal of Molecular Sciences, 2020, 21, 3757.	1.8	6
4570	Resolving DNA Damage: Epigenetic Regulation of DNA Repair. Molecules, 2020, 25, 2496.	1.7	39
4571	MicroRNA-107 Ameliorates Damage in a Cell Model of Alzheimer's Disease by Mediating the FGF7/FGFR2/PI3K/Akt Pathway. Journal of Molecular Neuroscience, 2020, 70, 1589-1597.	1.1	25
4572	Regulatory function of <scp>microRNAs</scp> in microglia. Glia, 2020, 68, 1631-1642.	2.5	44

#	Article	IF	Citations
4573	The role of long non-coding RNA MALAT1 in patients with bipolar disorder. Metabolic Brain Disease, 2020, 35, 1077-1083.	1.4	15
4574	MiR-615 Regulates NSC Differentiation In Vitro and Contributes to Spinal Cord Injury Repair by Targeting LINGO-1. Molecular Neurobiology, 2020, 57, 3057-3074.	1.9	16
4575	Quantitative analysis of Y-Chromosome gene expression across 36 human tissues. Genome Research, 2020, 30, 860-873.	2.4	56
4576	MicroRNA Regulation of the Small Rho GTPase Regulatorsâ€"Complexities and Opportunities in Targeting Cancer Metastasis. Cancers, 2020, 12, 1092.	1.7	16
4577	LINCO2163 promotes colorectal cancer progression via miR-511-3p/AKT3 axis. Artificial Cells, Nanomedicine and Biotechnology, 2020, 48, 961-968.	1.9	14
4578	Biomarkers for Liquid Biopsies of Pituitary Neuroendocrine Tumors. Biomedicines, 2020, 8, 148.	1.4	8
4579	miR-544a Stimulates endometrial carcinoma growth via targeted inhibition of reversion-inducing cysteine-rich protein with Kazal motifs. Molecular and Cellular Probes, 2020, 53, 101572.	0.9	5
4580	The Role of Nutri(epi)genomics in Achieving the Body's Full Potential in Physical Activity. Antioxidants, 2020, 9, 498.	2.2	10
4581	How Does a Tumor Get Its Shape? MicroRNAs Act as Morphogens at the Cancer Invasion Front. Non-coding RNA, 2020, 6, 23.	1.3	3
4582	Genome-wide microRNA profiling in brain and blood samples in a mouse model of epileptogenesis. Epilepsy Research, 2020, 166, 106400.	0.8	6
4583	IL1B Increases Intestinal Tight Junction Permeability by Up-regulation of MIR200C-3p, Which Degrades Occludin mRNA. Gastroenterology, 2020, 159, 1375-1389.	0.6	106
4584	Regulation of breast cancer metastasis signaling by miRNAs. Cancer and Metastasis Reviews, 2020, 39, 837-886.	2.7	87
4585	Down regulation of <scp>miR</scp> â€218, <scp>miR</scp> â€124, and <scp>miR</scp> â€144 relates to Parkinson's disease via activating <scp>NFâ€PB</scp> signaling. Kaohsiung Journal of Medical Sciences, 2020, 36, 786-792.	0.8	39
4586	Developmental alterations in the transcriptome of three distinct rodent models of schizophrenia. PLoS ONE, 2020, 15, e0232200.	1.1	9
4587	MicroRNAs: From Mechanism to Organism. Frontiers in Cell and Developmental Biology, 2020, 8, 409.	1.8	203
4588	Argonaute binding within $3\hat{a}\in^2$ -untranslated regions poorly predicts gene repression. Nucleic Acids Research, 2020, 48, 7439-7453.	6.5	31
4589	Predicting miRNA targets for hepatocellular carcinoma with an integrated method. Translational Cancer Research, 2020, 9, 1752-1760.	0.4	2
4590	Administration of Δ9â€Tetrahydrocannabinol (THC) Postâ€Staphylococcal Enterotoxin B Exposure Protects Mice From Acute Respiratory Distress Syndrome and Toxicity. Frontiers in Pharmacology, 2020, 11, 893.	1.6	19

#	Article	IF	CITATIONS
4591	MicroRNA-892a regulates laryngocarcinoma cell proliferation via Dicer. Experimental Biology and Medicine, 2020, 245, 1222-1232.	1.1	5
4592	MicroRNA Alterations in a Tg501 Mouse Model of Prion Disease. Biomolecules, 2020, 10, 908.	1.8	5
4593	Profiling cytotoxic microRNAs in pediatric and adult glioblastoma cells by high-content screening, identification, and validation of miR-1300. Oncogene, 2020, 39, 5292-5306.	2.6	5
4594	Genetics and epigenetics purpose in nonalcoholic fatty liver disease. Expert Review of Gastroenterology and Hepatology, 2020, 14, 733-748.	1.4	11
4595	Particle-Size-Dependent Delivery of Antitumoral miRNA Using Targeted Mesoporous Silica Nanoparticles. Pharmaceutics, 2020, 12, 505.	2.0	27
4596	Extracellular Vesicles of Human Periodontal Ligament Stem Cells Contain MicroRNAs Associated to Proto-Oncogenes: Implications in Cytokinesis. Frontiers in Genetics, 2020, 11, 582.	1.1	16
4597	Emerging roles of nonâ€coding RNAs in retinal diseases: A review. Clinical and Experimental Ophthalmology, 2020, 48, 1085-1101.	1.3	21
4598	Extracellular Vesicle-Contained microRNA of C. elegans as a Tool to Decipher the Molecular Basis of Nematode Parasitism. Frontiers in Cellular and Infection Microbiology, 2020, 10, 217.	1.8	14
4599	miR-21/Gemini surfactant-capped gold nanoparticles as potential therapeutic complexes: Synthesis, characterization and in vivo nanotoxicity probes. Journal of Molecular Liquids, 2020, 313, 113577.	2.3	9
4600	State-of-the-art in host-derived biomarkers of Chagas disease prognosis and early evaluation of anti-Trypanosoma cruzi treatment response. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165758.	1.8	17
4601	Multi-Omics Analysis Reveals MicroRNAs Associated With Cardiometabolic Traits. Frontiers in Genetics, 2020, 11, 110.	1.1	17
4602	ncRNAs: New Players in Mitochondrial Health and Disease?. Frontiers in Genetics, 2020, 11, 95.	1.1	58
4603	Transcriptomic identification of miR-205 target genes potentially involved in metastasis and survival of cutaneous malignant melanoma. Scientific Reports, 2020, 10, 4771.	1.6	9
4604	Curcumol inhibits the proliferation and metastasis of melanoma via the miR-152-3p/PI3K/AKT and ERK/NF-κB signaling pathways. Journal of Cancer, 2020, 11, 1679-1692.	1.2	31
4605	miR-181a Modulation of ERK-MAPK Signaling Sustains DC-SIGN Expression and Limits Activation of Monocyte-Derived Dendritic Cells. Cell Reports, 2020, 30, 3793-3805.e5.	2.9	14
4606	Position-wise binding preference is important for miRNA target site prediction. Bioinformatics, 2020, 36, 3680-3686.	1.8	6
4607	Non-coding RNAs: Key regulators of aerobic glycolysis in breast cancer. Life Sciences, 2020, 250, 117579.	2.0	24
4608	Screening and identification of MicroRNAs expressed in perirenal adipose tissue during rabbit growth. Lipids in Health and Disease, 2020, 19, 35.	1.2	6

#	ARTICLE	IF	Citations
4609	MicroRNAs in bovine milk exosomes are bioavailable in humans but do not elicit a robust pro-inflammatory cytokine response. ExRNA, 2020, 2, .	1.0	21
4610	Knockdown of miR-665 Protects Against Cardiomyocyte Ischemia/Reperfusion Injury-Induced ROS Accumulation and Apoptosis Through the Activation of Pak1/Akt Signaling in Myocardial Infarction. International Heart Journal, 2020, 61, 347-354.	0.5	17
4611	Transgenerational acclimation to changes in ocean acidification in marine invertebrates. Marine Pollution Bulletin, 2020, 153, 111006.	2.3	26
4612	Single-Nucleotide Polymorphisms in <i>XPO5</i> are Associated with Noise-Induced Hearing Loss in a Chinese Population. Biochemistry Research International, 2020, 2020, 1-10.	1.5	6
4613	Regulatory Mechanism of MicroRNA Expression in Cancer. International Journal of Molecular Sciences, 2020, 21, 1723.	1.8	525
4614	Dose-Finding Study and Pharmacokinetics Profile of the Novel 13-Mer Antisense miR-221 Inhibitor in Sprague-Dawley Rats. Molecular Therapy - Nucleic Acids, 2020, 20, 73-85.	2.3	9
4615	LeukmiR: a database for miRNAs and their targets in acute lymphoblastic leukemia. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	1.4	14
4616	Is there a role for microRNAs in epilepsy diagnostics?. Expert Review of Molecular Diagnostics, 2020, 20, 693-701.	1.5	7
4617	The Microrna-143/145 Cluster in Tumors: A Matter of Where and When. Cancers, 2020, 12, 708.	1.7	19
4618	Cellular and molecular features of skeletal muscle growth and plasticity. , 2020, , 163-183.		0
4619	Integrated Survival Analysis of mRNA and microRNA Signature of Patients with Breast Cancer Based on Cox Model. Journal of Computational Biology, 2020, 27, 1486-1494.	0.8	3
4620	CNS microRNA profiles: a database for cell type enriched microRNA expression across the mouse central nervous system. Scientific Reports, 2020, 10, 4921.	1.6	23
4621	miR-23a-3p/SIX1 regulates glucose uptake and proliferation through GLUT3 in head and neck squamous cell carcinomas. Journal of Cancer, 2020, 11, 2529-2539.	1.2	9
4622	A New World of Biomarkers and Therapeutics for Female Reproductive System and Breast Cancers: Circular RNAs. Frontiers in Cell and Developmental Biology, 2020, 8, 50.	1.8	48
4623	Specific circulating microRNAs during hepatitis E infection can serve as indicator for chronic hepatitis E. Scientific Reports, 2020, 10, 5337.	1.6	11
4624	Circulating miRNAs expression as potential biomarkers of mild traumatic brain injury. Molecular Biology Reports, 2020, 47, 2941-2949.	1.0	14
4625	MicroRNA-126-3p Inhibits Angiogenic Function of Human Lung Microvascular Endothelial Cells via LAT1 (L-Type Amino Acid Transporter 1)-Mediated mTOR (Mammalian Target of Rapamycin) Signaling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1195-1206.	1.1	20
4626	Radon Biomonitoring and microRNA in Lung Cancer. International Journal of Molecular Sciences, 2020, 21, 2154.	1.8	27

#	ARTICLE	IF	CITATIONS
4627	Neuroepithelial Cell Transforming Gene 1 Acts as an Oncogene and Is Mediated by miR-22 in Human Non-Small-Cell Lung Cancer. BioMed Research International, 2020, 2020, 1-12.	0.9	1
4628	Pharmacological Silencing of MicroRNA-152 Prevents Pressure Overload–Induced Heart Failure. Circulation: Heart Failure, 2020, 13, e006298.	1.6	15
4629	ncRNAs in Type-2 Immunity. Non-coding RNA, 2020, 6, 10.	1.3	10
4630	miR-103a-3p Suppresses Cell Proliferation and Invasion by Targeting Tumor Protein D52 in Prostate Cancer. Journal of Investigative Surgery, 2021, 34, 984-992.	0.6	20
4631	Cholesterol metabolism regulation mediated by SREBP-2, LXRα and miR-33a in rainbow trout (Oncorhynchus mykiss) both in vivo and in vitro. PLoS ONE, 2020, 15, e0223813.	1.1	14
4632	A guide to naming human nonâ€coding RNA genes. EMBO Journal, 2020, 39, e103777.	3.5	77
4633	The Function of the HGF/c-Met Axis in Hepatocellular Carcinoma. Frontiers in Cell and Developmental Biology, 2020, 8, 55.	1.8	97
4634	Global microRNA profiling in human urinary exosomes reveals novel disease biomarkers and cellular pathways for autosomal dominant polycystic kidney disease. Kidney International, 2020, 98, 420-435.	2.6	40
4635	Timeâ€resolved mRNA and miRNA expression profiling reveals crucial coregulation of molecular pathways involved in epithelial–pneumococcal interactions. Immunology and Cell Biology, 2020, 98, 726-742.	1.0	3
4636	Global correlation analysis for miRNA and protein expression profiles in human peripheral blood mononuclear cells. Molecular Biology Reports, 2020, 47, 5295-5304.	1.0	O
4637	Competing Endogenous RNAs, Non-Coding RNAs and Diseases: An Intertwined Story. Cells, 2020, 9, 1574.	1.8	97
4638	The human box C/D snoRNA U3 is a miRNA source and miR-U3 regulates expression of sortin nexin 27. Nucleic Acids Research, 2020, 48, 8074-8089.	6.5	20
4639	Exercise dose affects the circulating microRNA profile in response to acute endurance exercise in male amateur runners. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 1896-1907.	1.3	11
4640	Serum-borne factors alter cerebrovascular endothelial microRNA expression following particulate matter exposure near an abandoned uranium mine on the Navajo Nation. Particle and Fibre Toxicology, 2020, 17, 29.	2.8	12
4641	Expression of the miR-200 family in tumor tissue, plasma and urine of epithelial ovarian cancer patients in comparison to benign counterparts. BMC Research Notes, 2020, 13, 311.	0.6	21
4642	MiR-1587 Regulates DNA Damage Repair and the Radiosensitivity of CRC Cells via Targeting LIG4. Dose-Response, 2020, 18, 155932582093690.	0.7	11
4643	MicroRNA Milk Exosomes: From Cellular Regulator to Genomic Marker. Animals, 2020, 10, 1126.	1.0	24
4644	Differentially Expressed miRNA-Gene Targets Related to Intramuscular Fat in Musculus Longissimus Dorsi of Charolais × Holstein F2-Crossbred Bulls. Genes, 2020, 11, 700.	1.0	7

#	Article	IF	CITATIONS
4645	The Interaction Between Long Non-coding RNA HULC and MicroRNA-622 via Transfer by Extracellular Vesicles Regulates Cell Invasion and Migration in Human Pancreatic Cancer. Frontiers in Oncology, 2020, 10, 1013.	1.3	31
4646	Expression of miR-135b in Psoriatic Skin and Its Association with Disease Improvement. Cells, 2020, 9, 1603.	1.8	10
4647	miR-223-3p Inhibits Antigen Endocytosis and Presentation and Promotes the Tolerogenic Potential of Dendritic Cells through Targeting Mannose Receptor Signaling and Rhob. Journal of Immunology Research, 2020, 2020, 1-17.	0.9	13
4648	LncRNA FAM83Hâ€AS1 promotes oesophageal squamous cell carcinoma progression via miRâ€10aâ€5p/Girdin axis. Journal of Cellular and Molecular Medicine, 2020, 24, 8962-8976.	1.6	15
4649	MicroRNA-148b-3p and MicroRNA-25-3p Are Overexpressed in Fetuses with Late-Onset Fetal Growth Restriction. Fetal Diagnosis and Therapy, 2020, 47, 665-674.	0.6	5
4650	Bmi-1-induced miR-27a and miR-155 promote tumor metastasis and chemoresistance by targeting RKIP in gastric cancer. Molecular Cancer, 2020, 19, 109.	7.9	43
4651	Role of Lipid-Based and Polymer-Based Non-Viral Vectors in Nucleic Acid Delivery for Next-Generation Gene Therapy. Molecules, 2020, 25, 2866.	1.7	118
4652	Circular RNA hsa-circ-0007766 modulates the progression of Gastric Carcinoma via miR-1233-3p/GDF15 axis. International Journal of Medical Sciences, 2020, 17, 1569-1583.	1.1	15
4653	Aging Science Talks: The role of miR-181a in age-related loss of muscle mass and function. Translational Medicine of Aging, 2020, 4, 81-85.	0.6	7
4654	The role of microRNAs in neurons and neuroimmune communication in the dorsal root ganglia in chronic pain. Neuroscience Letters, 2020, 735, 135230.	1.0	4
4655	Genomic profiling of microRNA target genes in colorectal cancer. Tumor Biology, 2020, 42, 101042832093351.	0.8	4
4656	Unveiling ncRNA regulatory axes in atherosclerosis progression. Clinical and Translational Medicine, 2020, 9, 5.	1.7	24
4657	Statin Treatment-Induced Development of Type 2 Diabetes: From Clinical Evidence to Mechanistic Insights. International Journal of Molecular Sciences, 2020, 21, 4725.	1.8	66
4658	Decreased Colonic Activin Receptor-Like Kinase 1 Disrupts Epithelial Barrier Integrity in Patients With Crohn's Disease. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 779-796.	2.3	12
4659	Gm15575 functions as a ceRNA to up-regulate CCL7 expression through sponging miR-686 in Th17 cells. Molecular Immunology, 2020, 125, 32-42.	1.0	13
4660	Evolutionary dynamics of microRNA target sites across vertebrate evolution. PLoS Genetics, 2020, 16, e1008285.	1.5	32
4661	<p>circGFRA1 Enhances NSCLC Progression by Sponging miR-188-3p</p> . OncoTargets and Therapy, 2020, Volume 13, 549-558.	1.0	35
4662	Molecular Mechanisms Controlling Foxp3 Expression in Health and Autoimmunity: From Epigenetic to Post-translational Regulation. Frontiers in Immunology, 2019, 10, 3136.	2.2	74

#	Article	IF	CITATIONS
4663	Identification of Ppar $\langle i \rangle \hat{l}^3 \langle i \rangle$ -modulated miRNA hubs that target the fibrotic tumor microenvironment. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 454-463.	3.3	32
4664	Levels of Circulating miRâ€122 are Associated with Weight Loss and Metabolic Syndrome. Obesity, 2020, 28, 493-501.	1.5	30
4665	SNHG17 enhances the malignant characteristics of tongue squamous cell carcinoma by acting as a competing endogenous RNA on microRNA-876 and thereby increasing specificity protein 1 expression. Cell Cycle, 2020, 19, 711-725.	1.3	20
4666	Suspended in time: Molecular responses to hibernation also promote longevity. Experimental Gerontology, 2020, 134, 110889.	1.2	19
4667	The impact of microRNAs on alterations of gene regulatory networks in allergic diseases. Advances in Protein Chemistry and Structural Biology, 2020, 120, 237-312.	1.0	26
4668	Multiple Levels of PGC-1α Dysregulation in Heart Failure. Frontiers in Cardiovascular Medicine, 2020, 7, 2.	1.1	47
4669	Emergence of Circulating MicroRNAs in Breast Cancer as Diagnostic and Therapeutic Efficacy Biomarkers. Molecular Diagnosis and Therapy, 2020, 24, 153-173.	1.6	44
4670	Role of Viral and Host microRNAs in Immune Regulation of Epstein-Barr Virus-Associated Diseases. Frontiers in Immunology, 2020, 11, 367.	2.2	37
4671	MicroRNAs in gray and white matter multiple sclerosis lesions: impact on pathophysiology. Journal of Pathology, 2020, 250, 496-509.	2.1	18
4672	Matrine triggers colon cancer cell apoptosis and G0/G1 cell cycle arrest via mediation of microRNAâ€22. Phytotherapy Research, 2020, 34, 1619-1628.	2.8	27
4673	pol-miR-7133 and pol-miR-3p-9227 of Japanese flounder Paralichthys olivaceus modulate Streptococcus iniae infection through regulation of the common target gene LAMP2. Aquaculture, 2020, 520, 734980.	1.7	4
4674	MicroRNA 122 Reflects Liver Injury in Children with Intestinal Failure–Associated Liver Disease Treated with Intravenous Fish Oil. Journal of Nutrition, 2020, 150, 1144-1150.	1.3	6
4675	Apoptotic functions of microRNAs in pathogenesis, diagnosis, and treatment of endometriosis. Cell and Bioscience, 2020, 10, 12.	2.1	28
4676	Using miRNAs as diagnostic biomarkers for male infertility: opportunities and challenges. Molecular Human Reproduction, 2020, 26, 199-214.	1.3	30
4677	Target prediction and validation of microRNAs expressed from FSHR and aromatase genes in human ovarian granulosa cells. Scientific Reports, 2020, 10, 2300.	1.6	17
4678	Heart failure in single right ventricle congenital heart disease: physiological and molecular considerations. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H947-H965.	1.5	31
4679	miR-654-5p Targets HAX-1 to Regulate the Malignancy Behaviors of Colorectal Cancer Cells. BioMed Research International, 2020, 2020, 1-6.	0.9	9
4680	How to Perform miRacles: A Stepâ€byâ€Step microRNA Detection Protocol Using DNA Nanoswitches. Current Protocols in Molecular Biology, 2020, 130, e114.	2.9	7

#	Article	IF	CITATIONS
4681	Melatonin and neurodegeneration: From neurotoxic environment to cell resilience. Advances in Molecular Toxicology, 2020, 13, 69-108.	0.4	4
4682	Calcium sensing receptor exerts a negative regulatory action toward vasopressin-induced aquaporin-2 expression and trafficking in renal collecting duct. Vitamins and Hormones, 2020, 112, 289-310.	0.7	7
4683	The Emerging Role of Noncoding RNAs in Pediatric Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2020, 26, 985-993.	0.9	10
4684	Improving Bioinformatics Prediction of microRNA Targets by Ranks Aggregation. Frontiers in Genetics, 2019, 10, 1330.	1.1	73
4685	Common and Unique microRNAs in Multiple Carcinomas Regulate Similar Network of Pathways to Mediate Cancer Progression. Scientific Reports, 2020, 10, 2331.	1.6	22
4686	miR-128a Acts as a Regulator in Cardiac Development by Modulating Differentiation of Cardiac Progenitor Cell Populations. International Journal of Molecular Sciences, 2020, 21, 1158.	1.8	10
4687	Circulating miRNAs are associated with sleep duration in children/adolescents: Results of the I.Family Study. Experimental Physiology, 2020, 105, 347-356.	0.9	9
4688	Cadmium-Induced Renal Cell Toxicity Is Associated With MicroRNA Deregulation. International Journal of Toxicology, 2020, 39, 103-114.	0.6	17
4689	Blood miR-1275 is associated with risk of ischemic stroke and inhibits macrophage foam cell formation by targeting ApoC2 gene. Gene, 2020, 731, 144364.	1.0	8
4690	MiR-30c-5p mediates inflammatory responses and promotes microglia survival by targeting eIF2α during Cryptococcus neoformans infection. Microbial Pathogenesis, 2020, 141, 103959.	1.3	12
4691	Host microRNAs and exosomes that modulate influenza virus infection. Virus Research, 2020, 279, 197885.	1.1	37
4692	The Role of CYP450 Drug Metabolism in Precision Cardio-Oncology. International Journal of Molecular Sciences, 2020, 21, 604.	1.8	35
4693	MicroRNAs in Vascular Eye Diseases. International Journal of Molecular Sciences, 2020, 21, 649.	1.8	34
4694	Could IL-17A Be a Novel Therapeutic Target in Diabetic Nephropathy?. Journal of Clinical Medicine, 2020, 9, 272.	1.0	32
4695	The internal loops in the lower stem of primary microRNA transcripts facilitate single cleavage of human Microprocessor. Nucleic Acids Research, 2020, 48, 2579-2593.	6.5	24
4696	MDEHT: a multivariate approach for detecting differential expression of microRNA isoform data in RNA-sequencing studies. Bioinformatics, 2020, 36, 2657-2664.	1.8	3
4697	RNA-Based Therapeutics: From Antisense Oligonucleotides to miRNAs. Cells, 2020, 9, 137.	1.8	246
4698	Neurogenesis and Specification of Retinal Ganglion Cells. International Journal of Molecular Sciences, 2020, 21, 451.	1.8	34

#	ARTICLE	IF	Citations
4699	MicroRNA-298 reduces levels of human amyloid- \hat{l}^2 precursor protein (APP), \hat{l}^2 -site APP-converting enzyme 1 (BACE1) and specific tau protein moieties. Molecular Psychiatry, 2021, 26, 5636-5657.	4.1	61
4700	FilTar: using RNA-Seq data to improve microRNA target prediction accuracy in animals. Bioinformatics, 2020, 36, 2410-2416.	1.8	3
4701	MicroRNAâ€493â€5pâ€mediated repression of the <i>MYCN</i> oncogene inhibits hepatic cancer cell growth and invasion. Cancer Science, 2020, 111, 869-880.	1.7	27
4702	MiR-24-3p Inhibits the Progression of Pancreatic Ductal Adenocarcinoma Through LAMB3 Downregulation. Frontiers in Oncology, 2019, 9, 1499.	1.3	21
4703	miRNAs as Biomarkers in Disease: Latest Findings Regarding Their Role in Diagnosis and Prognosis. Cells, 2020, 9, 276.	1.8	693
4704	Transcriptional regulation of PRKAR2B by miR-200b-3p/200c-3p and XBP1 in human prostate cancer. Biomedicine and Pharmacotherapy, 2020, 124, 109863.	2.5	26
4705	Implications of miRNA expression pattern in bovine oocytes and follicular fluids for developmental competence. Theriogenology, 2020, 145, 77-85.	0.9	17
4706	Blood Co-Circulating Extracellular microRNAs and Immune Cell Subsets Associate with Type 1 Diabetes Severity. International Journal of Molecular Sciences, 2020, 21, 477.	1.8	25
4707	Circulating microRNAs as Biomarkers for Sudden Cardiac Death. JACC: Clinical Electrophysiology, 2020, 6, 80-82.	1.3	1
4708	Identification and characterization of miRNAs involved in cold acclimation of zebrafish ZF4 cells. PLoS ONE, 2020, 15, e0226905.	1.1	13
4709	Downregulation of circulating miR 802â€5p and miR 194â€5p and upregulation of brain MEF2C along breast cancer brain metastasization. Molecular Oncology, 2020, 14, 520-538.	2.1	30
4710	Discovering Cancer-Related miRNAs from miRNA-Target Interactions by Support Vector Machines. Molecular Therapy - Nucleic Acids, 2020, 19, 1423-1433.	2.3	8
4711	Nm23â∈H1 inhibits lung cancer boneâ€specific metastasis by upregulating miRâ€660â€5p targeted SMARCA5. Thoracic Cancer, 2020, 11, 640-650.	0.8	21
4712	Anti-inflammatory effects of miRNA-146a induced in adipose and periodontal tissues. Biochemistry and Biophysics Reports, 2020, 22, 100757.	0.7	17
4713	Unknown Areas of Activity of Human Ribonuclease Dicer: A Putative Deoxyribonuclease Activity. Molecules, 2020, 25, 1414.	1.7	8
4714	The Fundamentals of miRNA Biology: Structure, Biogenesis, and Regulatory Functions. Russian Journal of Bioorganic Chemistry, 2020, 46, 1-13.	0.3	9
4715	Circulating microRNAs in oncogenic viral infections: potential diagnostic biomarkers. SN Applied Sciences, 2020, 2, 1.	1.5	16
4716	Association of miR-760 with cancer: An overview. Gene, 2020, 747, 144648.	1.0	26

#	Article	IF	Citations
4717	MiRNA-451a inhibits airway remodeling by targeting Cadherin 11 in an allergic asthma model of neonatal mice. International Immunopharmacology, 2020, 83, 106440.	1.7	19
4718	Integrated mRNA and microRNA transcriptome profiling during differentiation of human nasal polyp epithelium reveals an altered ciliogenesis. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2548-2561.	2.7	21
4719	MicroRNA 27a Is a Key Modulator of Cholesterol Biosynthesis. Molecular and Cellular Biology, 2020, 40, .	1.1	25
4720	The Delivery of RNA-Interference Therapies Based on Engineered Hydrogels for Bone Tissue Regeneration. Frontiers in Bioengineering and Biotechnology, 2020, 8, 445.	2.0	23
4721	Circulating Epigenetic Biomarkers in Malignant Pleural Mesothelioma: State of the Art and critical Evaluation. Frontiers in Oncology, 2020, 10, 445.	1.3	16
4722	MiR193a Modulation and Podocyte Phenotype. Cells, 2020, 9, 1004.	1.8	5
4723	Characterising the Transcriptional and Translational Impact of the Schizophrenia-Associated miR-1271-5p in Neuronal Cells. Cells, 2020, 9, 1014.	1.8	5
4724	Exosomal miRNAs in hepatitis B virus related liver disease: a new hope for biomarker. Gut Pathogens, 2020, 12, 23.	1.6	30
4725	A miR-205-LPCAT1 axis contributes to proliferation and progression in multiple cancers. Biochemical and Biophysical Research Communications, 2020, 527, 474-480.	1.0	13
4726	Oral Administration of Bovine and Porcine Milk Exosome Alter miRNAs Profiles in Piglet Serum. Scientific Reports, 2020, 10, 6983.	1.6	37
4727	Epigenetic regulation in human cancer: the potential role of epi-drug in cancer therapy. Molecular Cancer, 2020, 19, 79.	7.9	255
4728	Changes in the circRNA expression profile of PC12Âcells induced by TDCIPP exposure may regulate the downstream NF-ÎB pathway via the Traf2 gene. Chemosphere, 2020, 254, 126834.	4.2	8
4729	Mismatched and wobble base pairs govern primary microRNA processing by human Microprocessor. Nature Communications, 2020, 11, 1926.	5.8	33
4730	dbMTS: A comprehensive database of putative human microRNA target site SNVs and their functional predictions. Human Mutation, 2020, 41, 1123-1130.	1.1	11
4731	MicroRNA Networks in Pancreatic Islet Cells: Normal Function and Type 2 Diabetes. Diabetes, 2020, 69, 804-812.	0.3	35
4732	MicroRNA Clustering Assists Processing of Suboptimal MicroRNA Hairpins through the Action of the ERH Protein. Molecular Cell, 2020, 78, 289-302.e6.	4.5	48
4733	Role of miRNAs in prostate cancer: Do we really know everything?. Urologic Oncology: Seminars and Original Investigations, 2020, 38, 623-635.	0.8	30
4734	<i>MicroRNA-212</i> targets <i>SIRT2</i> to influence lipogenesis in bovine mammary epithelial cell line. Journal of Dairy Research, 2020, 87, 232-238.	0.7	10

#	Article	IF	CITATIONS
4735	The novel microRNAs hsa-miR-nov7 and hsa-miR-nov3 are over-expressed in locally advanced breast cancer. PLoS ONE, 2020, 15, e0225357.	1.1	3
4736	<p>MicroRNAs Targeting MYC Expression: Trace of Hope for Pancreatic Cancer Therapy. A Systematic Review</p> . Cancer Management and Research, 2020, Volume 12, 2393-2404.	0.9	13
4737	Cullin-7 (CUL7) is overexpressed in glioma cells and promotes tumorigenesis via NF-κB activation. Journal of Experimental and Clinical Cancer Research, 2020, 39, 59.	3.5	41
4738	<p>CircRNA ZNF609 Knockdown Suppresses Cell Growth via Modulating miR-188/ELF2 Axis in Nasopharyngeal Carcinoma</p> . OncoTargets and Therapy, 2020, Volume 13, 2399-2409.	1.0	28
4739	Identifying Small Molecule-miRNA Associations Based on Credible Negative Sample Selection and Random Walk. Frontiers in Bioengineering and Biotechnology, 2020, 8, 131.	2.0	10
4740	Investigation of miRNA and mRNA Co-expression Network in Ependymoma. Frontiers in Bioengineering and Biotechnology, 2020, 8, 177.	2.0	13
4741	Proteomics-Based Characterization of miR-574-5p Decoy to CUGBP1 Suggests Specificity for mPGES-1 Regulation in Human Lung Cancer Cells. Frontiers in Pharmacology, 2020, 11, 196.	1.6	7
4742	Toxic-Metal-Induced Alteration in miRNA Expression Profile as a Proposed Mechanism for Disease Development. Cells, 2020, 9, 901.	1.8	92
4743	Modulators of MicroRNA Function in the Immune System. International Journal of Molecular Sciences, 2020, 21, 2357.	1.8	44
4744	Relationship between Sphk1/S1P and microRNAs in human cancers. Biotechnology and Applied Biochemistry, 2021, 68, 279-287.	1.4	16
4745	The effects of sepsis on endothelium and clinical implications. Cardiovascular Research, 2021, 117, 60-73.	1.8	86
4746	The Landscape of Coding and Noncoding RNAs in Platelets. Antioxidants and Redox Signaling, 2021, 34, 1200-1216.	2.5	14
4747	Targeting epigenetics in cancer: therapeutic potential of flavonoids. Critical Reviews in Food Science and Nutrition, 2021, 61, 1616-1639.	5.4	38
4748	Dissecting miRNA facilitated physiology and function in human breast cancer for therapeutic intervention. Seminars in Cancer Biology, 2021, 72, 46-64.	4.3	35
4749	Computational annotation of miRNA transcription start sites. Briefings in Bioinformatics, 2021, 22, 380-392.	3.2	23
4750	Cardiovascular Exosomes and MicroRNAs in Cardiovascular Physiology and Pathophysiology. Journal of Cardiovascular Translational Research, 2021, 14, 195-212.	1.1	72
4751	<scp>DICER1â€associated</scp> embryonal rhabdomyosarcoma and adenosarcoma of the gynecologic tract: Pathology, molecular genetics, and indications for molecular testing. Genes Chromosomes and Cancer, 2021, 60, 217-233.	1.5	29
4752	Transcriptional and post-transcriptional regulation of the pregnane X receptor: a rationale for interindividual variability in drug metabolism. Archives of Toxicology, 2021, 95, 11-25.	1.9	10

#	Article	IF	CITATIONS
4753	Integrated Systems Analysis Explores Dysfunctional Molecular Modules and Regulatory Factors in Children with Autism Spectrum Disorder. Journal of Molecular Neuroscience, 2021, 71, 358-368.	1.1	9
4754	microRNAs: New-Age Panacea in Cancer Therapeutics. Indian Journal of Surgical Oncology, 2021, 12, 52-56.	0.3	3
4755	A novel rationale for targeting FXI: Insights from the hemostatic microRNA targetome for emerging anticoagulant strategies., 2021, 218, 107676.		9
4756	RNA in cancer. Nature Reviews Cancer, 2021, 21, 22-36.	12.8	655
4757	Dietary microRNAs and cancer: A new therapeutic approach?. Seminars in Cancer Biology, 2021, 73, 19-29.	4.3	25
4758	tRFTar: Prediction of tRF-target gene interactions via systemic re-analysis of Argonaute CLIP-seq datasets. Methods, 2021, 187, 57-67.	1.9	27
4759	Global miRNA to miRNA Interactions: Impacts for miR-21. Trends in Cell Biology, 2021, 31, 3-5.	3.6	22
4760	MicroRNA-210 Regulates Dendritic Morphology and Behavioural Flexibility in Mice. Molecular Neurobiology, 2021, 58, 1330-1344.	1.9	6
4761	MicroRNA-200a represses myocardial infarction-related cell death and inflammation by targeting the Keap1/Nrf2 and \hat{l}^2 -catenin pathways. Hellenic Journal of Cardiology, 2021, 62, 139-148.	0.4	11
4762	Analyses of circRNA and mRNA profiles in the submandibular gland in hypertension. Genomics, 2021, 113, 57-65.	1.3	3
4763	MiR-122-5p knockdown protects against APAP-mediated liver injury through up-regulating NDRG3. Molecular and Cellular Biochemistry, 2021, 476, 1257-1267.	1.4	13
4764	Human MicroRNA Target Prediction via Multi-Hypotheses Learning. Journal of Computational Biology, 2021, 28, 117-132.	0.8	3
4765	Intratumoral immunosuppression profiles in 11qâ€deleted neuroblastomas provide new potential therapeutic targets. Molecular Oncology, 2021, 15, 364-380.	2.1	4
4766	Non-coding RNAs and the mineralocorticoid receptor in the kidney. Molecular and Cellular Endocrinology, 2021, 521, 111115.	1.6	7
4767	Cardiac fibroblast miRâ€27a may function as an endogenous antiâ€fibrotic by negatively regulating Early Growth Response Protein 3 (EGR3). Journal of Cellular and Molecular Medicine, 2021, 25, 73-83.	1.6	11
4768	The role of microRNAs in bone development. Bone, 2021, 143, 115760.	1.4	44
4769	MicroRNA expression patterns in HbE \hat{l}^2 -thalassemia patients: The passwords to unlock fetal hemoglobin expression in \hat{l}^2 -hemoglobinopathies. Blood Cells, Molecules, and Diseases, 2021, 87, 102523.	0.6	13
4770	microRNA expression patterns in tumor infiltrating lymphocytes are strongly associated with response to adoptive cell transfer therapy. Cancer Immunology, Immunotherapy, 2021, 70, 1541-1555.	2.0	4

#	Article	IF	CITATIONS
4771	Diet and Epigenetics: Dietary Effects on DNA Methylation, Histone Remodeling and mRNA Stability., 2021,, 364-379.		2
4772	Diagnosis and treatment of lymphomas in the era of epigenetics. Blood Reviews, 2021, 48, 100782.	2.8	7
4773	miRNAs in osteoclast biology. Bone, 2021, 143, 115757.	1.4	18
4774	The role of non-coding RNA network in atherosclerosis. Life Sciences, 2021, 265, 118756.	2.0	15
4775	Nutritional influence on miRNA epigenetic regulation. , 2021, , 401-420.		1
4776	MiR-628–5p Inhibits Cervical Carcinoma Proliferation and Promotes Apoptosis by Targeting VEGF. American Journal of the Medical Sciences, 2021, 361, 499-508.	0.4	11
4777	Exosomes: A Tool for Bone Tissue Engineering. Tissue Engineering - Part B: Reviews, 2022, 28, 101-113.	2.5	13
4778	Hypoxic naked mole–rat brains use microRNA to coordinate hypometabolic fuels and neuroprotective defenses. Journal of Cellular Physiology, 2021, 236, 5080-5097.	2.0	16
4779	Up-regulated spinal microRNAs induce aggregation of superoxide dismutase 1 protein in canine degenerative myelopathy. Research in Veterinary Science, 2021, 135, 479-485.	0.9	1
4780	Deciphering the role of microRNAs in mustard gas–induced toxicity. Annals of the New York Academy of Sciences, 2021, 1491, 25-41.	1.8	1
4781	Resistin: Potential biomarker and therapeutic target in atherosclerosis. Clinica Chimica Acta, 2021, 512, 84-91.	0.5	39
4782	On the trail of blood doping— <scp>microRNA</scp> fingerprints to monitor autologous blood transfusions in vivo. American Journal of Hematology, 2021, 96, 338-353.	2.0	9
4783	Molecular Profiling of Decompensated Cirrhosis by a Novel MicroRNA Signature. Hepatology Communications, 2021, 5, 309-322.	2.0	13
4784	Biological differentiation of traditional Chinese medicine from excessive to deficient syndromes in AIDS: Comparative microRNA microarray profiling and syndromeâ€specific biomarker identification. Journal of Medical Virology, 2021, 93, 3634-3646.	2.5	4
4785	Methods to Investigate miRNA Function: Focus on Platelet Reactivity. Thrombosis and Haemostasis, 2021, 121, 409-421.	1.8	18
4786	Visualizing a protonated RNA state that modulates microRNA-21 maturation. Nature Chemical Biology, 2021, 17, 80-88.	3.9	39
4787	MicroRNA negatively regulates NF-κB-mediated immune responses by targeting NOD1 in the teleost fish Miichthys miluy. Science China Life Sciences, 2021, 64, 803-815.	2.3	35
4788	Bioinformatics analysis of differentially expressed miRNAs in nonâ€small cell lung cancer. Journal of Clinical Laboratory Analysis, 2021, 35, e23588.	0.9	19

#	Article	IF	CITATIONS
4789	Protective effects of PX478 on gut barrier in a mouse model of ethanol and burn injury. Journal of Leukocyte Biology, 2021, 109, 1121-1130.	1.5	7
4790	DCLK1, a promising colorectal cancer stem cell marker, regulates tumor progression and invasion through miR-137 and miR-15a dependent manner. Clinical and Experimental Medicine, 2021, 21, 139-147.	1.9	13
4791	The development and controversy of competitive endogenous RNA hypothesis in non-coding genes. Molecular and Cellular Biochemistry, 2021, 476, 109-123.	1.4	31
4792	One locus with two roles: microRNAâ€independent functions of microRNAâ€hostâ€gene locusâ€encoded long noncoding RNAs. Wiley Interdisciplinary Reviews RNA, 2021, 12, e1625.	3.2	19
4793	MicroRNAâ€'367â€'3p induces apoptosis and suppresses migration of MCFâ€'7 cells by downregulating the expression of human choline kinase î±. Oncology Letters, 2021, 21, 183.	0.8	5
4794	The Role, Function, and Mechanism of Long Intergenic Noncoding RNA1184 (linc01184) in Colorectal Cancer. Disease Markers, 2021, 2021, 1-11.	0.6	12
4795	Molecular Signatures and Their Clinical Utility in Pancreatic Neuroendocrine Tumors. Frontiers in Endocrinology, 2020, 11, 575620.	1.5	8
4796	The Roles of the miRNAome and Transcriptome in the Ovine Ovary Reveal Poor Efficiency in Juvenile Superovulation. Animals, 2021, 11, 239.	1.0	7
4797	A pan-cancer atlas of somatic mutations in miRNA biogenesis genes. Nucleic Acids Research, 2021, 49, 601-620.	6.5	26
4798	Global expression of noncoding RNome reveals dysregulation of small RNAs in patients with HTLV-1–associated adult T-cell leukemia: a pilot study. Infectious Agents and Cancer, 2021, 16, 4.	1.2	9
4799	Regulatory RNAs in cardiovascular disease. , 2021, , 127-162.		0
4800	Discovery of microRNA–mRNA Interaction Through Genomics and Computational Prediction. , 2021, , 299-305.		0
4802	Elucidation of Epigenetic Landscape in Coronary Artery Disease: A Review on Basic Concept to Personalized Medicine. Epigenetics Insights, 2021, 14, 251686572098856.	0.6	10
4803	Viral-Encoded microRNAs in Host-Pathogen Interactions in Silkworm. MicroRNA (Shariqah, United) Tj ETQq1 1 0.7	'84314 rg 0.6	BT ₂ /Overlock
4804	Therapeutic Mechanism of Nucleic Acid Drugs. ChemistrySelect, 2021, 6, 903-916.	0.7	8
4805	Neonatal Lung Disease: Mechanisms Driving Sex Differences. Physiology in Health and Disease, 2021, , 115-144.	0.2	4
4806	Mathematical Linear Programming to Model MicroRNAs-Mediated Gene Regulation Using Gurobi Optimizer. Methods in Molecular Biology, 2021, 2328, 287-301.	0.4	3
4809	Non-coding RNA Networks in Infection. , 2021, , 565-572.		2

#	Article	IF	Citations
4810	Activation of dsRNA-Dependent Protein Kinase R by MicroRNA-378 Sustains Metabolic Inflammation in Hepatic Insulin Resistance. Diabetes, 2021, , db200181.	0.3	5
4811	Advances in multiplexed techniques for the detection and quantification of microRNAs. Chemical Society Reviews, 2021, 50, 4141-4161.	18.7	158
4812	Fundamental Mechanisms of Orofacial Clefts. , 2021, , 99-142.		0
4813	MicroRNA expression profile in patients with cystic echinococcosis and identification of possible cellular pathways. Journal of Helminthology, 2021, 95, e1.	0.4	10
4814	Reporting on the Role of miRNAs and Affected Pathways on the Molecular Backbone of Ovarian Insufficiency: A Systematic Review and Critical Analysis Mapping of Future Research. Frontiers in Cell and Developmental Biology, 2020, 8, 590106.	1.8	2
4815	Mechanisms and Functions of MiR-200 Family in Hepatocellular Carcinoma. OncoTargets and Therapy, 2020, Volume 13, 13479-13490.	1.0	22
4816	MicroRNAs as theranostic markers in cardiac allograft transplantation: from murine models to clinical practice. Theranostics, 2021 , 11 , 6058 - 6073 .	4.6	9
4817	A copper-free and enzyme-free click chemistry-mediated single quantum dot nanosensor for accurate detection of microRNAs in cancer cells and tissues. Chemical Science, 2021, 12, 10426-10435.	3.7	27
4818	MicroRNA-221-3p alleviates cell apoptosis and inflammatory response by targeting cyclin dependent kinase inhibitor 1B in chronic obstructive pulmonary disease. Bioengineered, 2021, 12, 5705-5715.	1.4	7
4819	Genetics of Pediatric Tumors. , 2021, , 823-837.		0
4820	Genetics and epigenetics of the SLC6A4 gene in depression. , 2021, , 37-45.		0
4821	Epigenetics and physical exercise., 2021,, 283-301.		0
4822	miRCoop: Identifying Cooperating miRNAs via Kernel Based Interaction Tests. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, PP, 1-1.	1.9	1
4823	MicroRNAs and exosomes in human milk. , 2021, , 337-356.		0
4824	miRNAs in Microglia: Important Players in Multiple Sclerosis Pathology. ASN Neuro, 2021, 13, 175909142098118.	1.5	12
4825	Role of miR153 and miR455-5p Expression in Oral Squamous Cell Carcinoma Isolated from Plasma. Asian Pacific Journal of Cancer Prevention, 2021, 22, 157-161.	0.5	7
4826	Tiny miRNAs Play a Big Role in the Treatment of Breast Cancer Metastasis. Cancers, 2021, 13, 337.	1.7	13
4827	An Overview of the Computational Models Dealing with the Regulatory ceRNA Mechanism and ceRNA Deregulation in Cancer. Methods in Molecular Biology, 2021, 2324, 149-164.	0.4	22

#	Article	IF	CITATIONS
4828	Biomechanical regulation of endothelial function in atherosclerosis., 2021,, 3-47.		5
4829	Genome-Wide Analysis of c-MYC-Regulated mRNAs and miRNAs and c-MYC DNA-Binding by Next-Generation Sequencing. Methods in Molecular Biology, 2021, 2318, 119-160.	0.4	0
4830	miR-152-3p aggravates vascular endothelial cell dysfunction by targeting DEAD-box helicase 6 (DDX6) under hypoxia. Bioengineered, 2021, 12, 4899-4910.	1.4	4
4831	Antioxidant activity of mesenchymal stem cell-derived extracellular vesicles restores hippocampal neurons following seizure damage. Theranostics, 2021, 11, 5986-6005.	4.6	33
4832	Effective tools for RNA-derived therapeutics: siRNA interference or miRNA mimicry. Theranostics, 2021, 11, 8771-8796.	4.6	50
4833	An Ensemble Approach Based on Multi-Source Information to Predict Drug-MiRNA Associations via Convolutional Neural Networks. IEEE Access, 2021, 9, 38331-38341.	2.6	11
4834	Role of Bioinformatics in MicroRNA Analysis. , 2021, , 365-373.		3
4835	Micro-RNA Quantification, Target Gene Identification, and Pathway Analysis. Methods in Molecular Biology, 2021, 2284, 207-229.	0.4	1
4836	Online Genomic Resources and Bioinformatics Tools Available for Epigenetics and Non-coding RNA. , 2021, , 306-328.		0
4837	Regulation of chicken vanin1 gene expression by peroxisome proliferators activated receptor α and miRNA-181a-5p. Animal Bioscience, 2021, 34, 172-184.	0.8	2
4838	Radiation Can Regulate the Expression of miRNAs Associated with Osteogenesis and Oxidation in Exosomes from Peripheral Blood Plasma. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-10.	1.9	5
4839	Development and clinical validation of a 3-miRNA signature to predict prognosis of gastric cancer. Peerl, 2021, 9, e10462.	0.9	8
4840	MicroRNA Expression Profiles in the Subcutaneous Adipose Tissues of Morbidly Obese Chinese Women. Obesity Facts, 2021, 14, 78-92.	1.6	7
4842	IsomiR_Window: a system for analyzing small-RNA-seq data in an integrative and user-friendly manner. BMC Bioinformatics, 2021, 22, 37.	1.2	3
4843	Analyzing the impact of 900ÂMHz EMF short-term exposure to the expression of 667 miRNAs in human peripheral blood cells. Scientific Reports, 2021, 11, 4444.	1.6	5
4844	Isolation of Extracellular Vesicles from Biological Fluids via the Aggregation–Precipitation Approach for Downstream miRNAs Detection. Diagnostics, 2021, 11, 384.	1.3	15
4845	Overview of host miRNA properties and their association with epigenetics, long non-coding RNAs, and Xeno-infectious factors. Cell and Bioscience, 2021, 11, 43.	2.1	19
4846	MiRâ€378aâ€3p as a putative biomarker for hepatocellular carcinoma diagnosis and prognosis: Computational screening with experimental validation. Clinical and Translational Medicine, 2021, 11, e307.	1.7	15

#	Article	IF	CITATIONS
4847	The role of miRâ€29 family in disease. Journal of Cellular Biochemistry, 2021, 122, 696-715.	1.2	46
4848	Comprehensive landscape and future perspectives of circular RNAs in colorectal cancer. Molecular Cancer, 2021, 20, 26.	7.9	91
4849	NCAPG upregulation mediated by four microRNAs combined with activation of the p53 signaling pathway is a predictor of poor prognosis in patients with breast cancer. Oncology Letters, 2021, 21, 323.	0.8	12
4851	Potential role of specific microRNAs in the regulation of thermal stress response in livestock. Journal of Thermal Biology, 2021, 96, 102859.	1.1	19
4852	Plasma miRâ€218aâ€5p as a biomarker for acute cholestatic liver injury in rats and investigation of its pathophysiological roles. Journal of Applied Toxicology, 2021, 41, 1537-1552.	1.4	2
4853	MicroRNA Mimics or Inhibitors as Antiviral Therapeutic Approaches Against COVID-19. Drugs, 2021, 81, 517-531.	4.9	59
4854	Conservation and turnover of miRNAs and their highly complementary targets in early branching animals. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20203169.	1.2	9
4856	The microRNA let-7b-5p Is Negatively Associated with Inflammation and Disease Severity in Multiple Sclerosis. Cells, 2021, 10, 330.	1.8	24
4857	Pathogenesis and prospects for therapeutic clinical application of noncoding RNAs in glaucoma: Systematic perspectives. Journal of Cellular Physiology, 2021, 236, 7097-7116.	2.0	13
4858	MicroRNAs in the interaction between host–bacterial pathogens: A new perspective. Journal of Cellular Physiology, 2021, 236, 6249-6270.	2.0	18
4859	MicroRNA-2187 Modulates the NF- $\hat{\mathbb{P}}$ B and IRF3 Pathway in Teleost Fish by Targeting TRAF6. Frontiers in Immunology, 2021, 12, 647202.	2.2	11
4860	tRFTars: predicting the targets of tRNA-derived fragments. Journal of Translational Medicine, 2021, 19, 88.	1.8	22
4862	Non-Coding RNAs in the Transcriptional Network That Differentiates Skeletal Muscles of Sedentary from Long-Term Endurance- and Resistance-Trained Elderly. International Journal of Molecular Sciences, 2021, 22, 1539.	1.8	15
4864	From Liver Cirrhosis to Cancer: The Role of Micro-RNAs in Hepatocarcinogenesis. International Journal of Molecular Sciences, 2021, 22, 1492.	1.8	16
4865	Maintenance of gut barrier integrity after injury: Trust your gut microRNAs. Journal of Leukocyte Biology, 2021, 110, 979-986.	1.5	6
4866	Therapeutic Targeting of MicroRNAs in the Tumor Microenvironment. International Journal of Molecular Sciences, 2021, 22, 2210.	1.8	27
4867	AhR Ligands Differentially Regulate miRNA-132 Which Targets HMGB1 and to Control the Differentiation of Tregs and Th-17 Cells During Delayed-Type Hypersensitivity Response. Frontiers in Immunology, 2021, 12, 635903.	2.2	22
4868	Enhancer RNAs: transcriptional regulators and workmates of NamiRNAs in myogenesis. Cellular and Molecular Biology Letters, 2021, 26, 4.	2.7	8

#	Article	IF	CITATIONS
4869	Mesenchymal stem cell-derived exosomes: therapeutic opportunities and challenges for spinal cord injury. Stem Cell Research and Therapy, 2021, 12, 102.	2.4	95
4871	MicroRNA-1278 ameliorates the inflammation of cardiomyocytes during myocardial ischemia by targeting both IL-22 and CXCL14. Life Sciences, 2021, 269, 118817.	2.0	9
4872	Dysregulation of exosomal miR-192 and miR-194 expression in lung adenocarcinoma patients. Saudi Journal of Biological Sciences, 2021, 28, 1561-1568.	1.8	7
4873	The potential role of the E SRRG pathway in placental dysfunction. Reproduction, 2021, 161, R45-R60.	1.1	10
4874	Recent Advances of DNA Tetrahedra for Therapeutic Delivery and Biosensing. ChemBioChem, 2021, 22, 2237-2246.	1.3	6
4875	Profiles of MicroRNAs in Interleukin–27-Induced HIV-Resistant T Cells: Identification of a Novel Antiviral MicroRNA. Journal of Acquired Immune Deficiency Syndromes (1999), 2021, 86, 378-387.	0.9	2
4876	Altered expressions of circulating microRNAs 122 and 192 during antitubercular drug induced liver injury indicating their role as potential biomarkers. Human and Experimental Toxicology, 2021, 40, 1474-1484.	1.1	13
4877	The Roles of MicroRNAs in Male Infertility. International Journal of Molecular Sciences, 2021, 22, 2910.	1.8	27
4878	Methodological considerations for measuring biofluid-based microRNA biomarkers. Critical Reviews in Toxicology, 2021, 51, 264-282.	1.9	13
4879	Noncoding RNAs in Glioblastoma: Emerging Biological Concepts and Potential Therapeutic Implications. Cancers, 2021, 13, 1555.	1.7	24
4880	Dysregulated expression of mRNA and SNP in pulmonary artery remodeling in ascites syndrome in broilers. Poultry Science, 2021, 100, 100877.	1.5	7
4881	Distinct Age-Specific miRegulome Profiling of Isolated Small and Large Intestinal Epithelial Cells in Mice. International Journal of Molecular Sciences, 2021, 22, 3544.	1.8	7
4882	Differential Expression Profiles and Function Prediction of Transfer RNA-Derived Fragments in High-Grade Serous Ovarian Cancer. BioMed Research International, 2021, 2021, 1-17.	0.9	12
4883	Dysregulation of circRNA expression in the peripheral blood of individuals with schizophrenia and bipolar disorder. Journal of Molecular Medicine, 2021, 99, 981-991.	1.7	18
4884	Epigenetics and microRNAs in cardiovascular diseases. Genomics, 2021, 113, 540-551.	1.3	29
4885	B7-H3, Negatively Regulated by miR-128, Promotes Colorectal Cancer Cell Proliferation and Migration. Cell Biochemistry and Biophysics, 2021, 79, 397-405.	0.9	13
4886	A functional SNP in miR-625-5p binding site of AKT2 3′UTR is associated with noise-induced hearing loss susceptibility in the Chinese population. Environmental Science and Pollution Research, 2021, 28, 40782-40792.	2.7	6
4887	A comparative analysis of heart microRNAs in vertebrates brings novel insights into the evolution of genetic regulatory networks. BMC Genomics, 2021, 22, 153.	1.2	2

#	ARTICLE	IF	CITATIONS
4888	Dissecting miRNA signature in colorectal cancer progression and metastasis. Cancer Letters, 2021, 501, 66-82.	3.2	42
4889	Corneal angiogenic privilege and its failure. Experimental Eye Research, 2021, 204, 108457.	1.2	25
4890	Circulatory MicroRNAs as Potential Biomarkers for Stroke Risk. Stroke, 2021, 52, 945-953.	1.0	26
4891	Circulating MicroRNAs. Stroke, 2021, 52, 954-956.	1.0	4
4892	Assessing the Regulatory Functions of LncRNA SNHG11 in Gastric Cancer Cell Proliferation and Migration. Frontiers in Cell and Developmental Biology, 2021, 9, 620476.	1.8	8
4893	Large Scale Molecular Studies of Pituitary Neuroendocrine Tumors: Novel Markers, Mechanisms and Translational Perspectives. Cancers, 2021, 13, 1395.	1.7	16
4894	MicroRNA-34a: Potent Tumor Suppressor, Cancer Stem Cell Inhibitor, and Potential Anticancer Therapeutic. Frontiers in Cell and Developmental Biology, 2021, 9, 640587.	1.8	67
4895	Effects of metal nanoparticles on tight junction-associated proteins via HIF-1α/miR-29b/MMPs pathway in human epidermal keratinocytes. Particle and Fibre Toxicology, 2021, 18, 13.	2.8	23
4896	Non-Coding RNA Signatures of B-Cell Acute Lymphoblastic Leukemia. International Journal of Molecular Sciences, 2021, 22, 2683.	1.8	11
4897	LncRNA TRHDE-AS1 inhibit the scar fibroblasts proliferation via miR-181a-5p/PTEN axis. Journal of Molecular Histology, 2021, 52, 419-426.	1.0	15
4898	Downregulation of DNA ligases in trophoblasts contributes to recurrent pregnancy loss through inducing DNA damages. Placenta, 2021, 106, 7-14.	0.7	4
4899	Polymorphisms of AMY1A gene and their association with growth, carcass traits and feed intake efficiency in chickens. Genomics, 2021, 113, 583-594.	1.3	10
4900	Uma breve revisão sobre a teoria de transferência de miRNA entre reinos. Research, Society and Development, 2021, 10, e39510313580.	0.0	0
4901	The role of microRNAs regulatory network in Alzheimer's disease: a bioinformatics analysis. Archives of Medical Science, 2021, 18, 206-222.	0.4	10
4902	miR-34a mimic or pre-mir-34a, which is the better option for cancer therapy? Katolll as a model to study miRNA action in human gastric cancer cells. Cancer Cell International, 2021, 21, 178.	1.8	10
4904	MicroRNA-based therapy of postmyocardial infarction heart failure. Hellenic Journal of Cardiology, 2021, 62, 149-151.	0.4	2
4905	microRNA-210 and microRNA-3570 Negatively Regulate NF-κB-Mediated Inflammatory Responses by Targeting RIPK2 in Teleost Fish. Frontiers in Immunology, 2021, 12, 617753.	2.2	17
4906	Cross-Linking Ligation and Sequencing of Hybrids (qCLASH) Reveals an Unpredicted miRNA Targetome in Melanoma Cells. Cancers, 2021, 13, 1096.	1.7	14

#	Article	IF	CITATIONS
4907	MicroRNAâ \in 191â \in 5p ameliorates amyloidâ \in \hat{i}^2 _{1â\in40} â \in "mediated retinal pigment epithelium cell ir suppressing the NLRP3 inflammasome pathway. FASEB Journal, 2021, 35, e21184.	ijury ₂ by	9
4908	Circular RNA circ_0003420 mediates inflammation in sepsis-induced liver damage by downregulating neuronal PAS domain protein 4. Immunopharmacology and Immunotoxicology, 2021, 43, 271-282.	1.1	17
4909	Recent Highlights of Research on miRNAs as Early Potential Biomarkers for Cardiovascular Complications of Type 2 Diabetes Mellitus. International Journal of Molecular Sciences, 2021, 22, 3153.	1.8	15
4910	Differential MicroRNA Expression Involved in Endometrial Receptivity of Goats. Biomolecules, 2021, 11, 472.	1.8	11
4911	Transcriptomic analysis and competing endogenous RNA network in the human endometrium between proliferative and midâ€'secretory phases. Experimental and Therapeutic Medicine, 2021, 21, 660.	0.8	11
4912	Identification and Characterization of Osmoregulation Related MicroRNAs in Gills of Hybrid Tilapia Under Three Types of Osmotic Stress. Frontiers in Genetics, 2021, 12, 526277.	1.1	2
4913	MicroRNA Biophysically Modulates Cardiac Action Potential by Direct Binding to Ion Channel. Circulation, 2021, 143, 1597-1613.	1.6	33
4915	Let-7b-3p inhibits tumor growth and metastasis by targeting the BRF2-mediated MAPK/ERK pathway in human lung adenocarcinoma. Translational Lung Cancer Research, 2021, 10, 1841-1856.	1.3	18
4916	Exogenous miRNA: A Perspective Role as Therapeutic in Rheumatoid Arthritis. Current Rheumatology Reports, 2021, 23, 43.	2.1	13
4917	Therapeutic Potential of Extracellular Vesicles for Sepsis Treatment. Advanced Therapeutics, 2021, 4, 2000259.	1.6	14
4919	Extracellular genetic materials and their application in clinical practice. Cancer Genetics, 2021, 252-253, 48-63.	0.2	2
4920	Current insight into the functions of microRNAs in common human hair loss disorders: a mini review. Human Cell, 2021, 34, 1040-1050.	1.2	16
4921	Identification of sex differentiation-related microRNA and long non-coding RNA in Takifugu rubripes gonads. Scientific Reports, 2021, 11, 7459.	1.6	20
4922	MicroRNA‑1226‑3p has a tumor‑promoting role in osteosarcoma. Oncology Letters, 2021, 21, 474.	0.8	3
4923	Evolution of Epigenome as the Blueprint for Carcinogenesis. , 0, , .		3
4924	Impact of RARα and miR-138 on retinoblastoma etoposide resistance. Tumor Biology, 2021, 43, 11-26.	0.8	3
4925	Crosstalk between microRNA expression and DNA methylation drives the hormone-dependent phenotype of breast cancer. Genome Medicine, 2021, 13, 72.	3.6	27
4926	Epigenetic regulation of cellular functions in wound healing. Experimental Dermatology, 2021, 30, 1073-1089.	1.4	26

#	Article	IF	CITATIONS
4927	CSDE1 attenuates microRNA-mediated silencing of PMEPA1 in melanoma. Oncogene, 2021, 40, 3231-3244.	2.6	9
4928	Delivery of oligonucleotideâ€based therapeutics: challenges and opportunities. EMBO Molecular Medicine, 2021, 13, e13243.	3.3	181
4929	Nutritional Regulation of Mammary Gland Development and Milk Synthesis in Animal Models and Dairy Species. Genes, 2021, 12, 523.	1.0	16
4930	MicroRNA-29c Acting on FOS Plays a Significant Role in Nonalcoholic Steatohepatitis Through the Interleukin-17 Signaling Pathway. Frontiers in Physiology, 2021, 12, 597449.	1.3	8
4931	MicroRNAs in childhood nephrotic syndrome. Journal of Cellular Physiology, 2021, 236, 7186-7210.	2.0	2
4933	Small RNA sequencing reveals distinct nuclear microRNAs in pig granulosa cells during ovarian follicle growth. Journal of Ovarian Research, 2021, 14, 54.	1.3	8
4934	The microRNA analysis portal is a next-generation tool for exploring and analyzing miRNA-focused data in the literature. Scientific Reports, 2021 , 11 , 9007 .	1.6	8
4935	Altered microRNA Transcriptome in Cultured Human Liver Cells upon Infection with Ebola Virus. International Journal of Molecular Sciences, 2021, 22, 3792.	1.8	12
4936	MicroRNA Regulation of Breast Cancer Stemness. International Journal of Molecular Sciences, 2021, 22, 3756.	1.8	14
4937	Competing Endogenous RNA Networks in Glioma. Frontiers in Genetics, 2021, 12, 675498.	1.1	19
4938	On the function and relevance of alternative 3′â€≺scp>UTRs in gene expression regulation. Wiley Interdisciplinary Reviews RNA, 2021, 12, e1653.	3.2	33
4939	Plasma miRNA Biomarkers in Limited Volume Samples for Detection of Early-stage Pancreatic Cancer. Cancer Prevention Research, 2021, 14, 729-740.	0.7	16
4940	The program of renal fibrogenesis is controlled by microRNAs regulating oxidative metabolism. Redox Biology, 2021, 40, 101851.	3.9	17
4941	Transcriptome-wide study revealed m6A regulation of embryonic muscle development in Dingan goose (Anser cygnoides orientalis). BMC Genomics, 2021, 22, 270.	1.2	23
4943	Roles of microRNAs in Regulating Cancer Stemness in Head and Neck Cancers. Cancers, 2021, 13, 1742.	1.7	10
4944	Single nucleotide polymorphisms affect miRNA target prediction in bovine. PLoS ONE, 2021, 16, e0249406.	1.1	5
4945	Cell-type-specific profiling of loaded miRNAs from Caenorhabditis elegans reveals spatial and temporal flexibility in Argonaute loading. Nature Communications, 2021, 12, 2194.	5.8	32
4947	Nutrigenomic analyses reveal miRNAs and mRNAs affected by feed restriction in the mammary gland of midlactation dairy cows. PLoS ONE, 2021, 16, e0248680.	1.1	9

#	ARTICLE	IF	CITATIONS
4948	B Cell Receptor-Responsive miR-141 Enhances Epstein-Barr Virus Lytic Cycle via FOXO3 Inhibition. MSphere, $2021, 6, .$	1.3	10
4949	Reverse Cholesterol Transport Dysfunction Is a Feature of Familial Hypercholesterolemia. Current Atherosclerosis Reports, 2021, 23, 29.	2.0	8
4950	Non-Coding RNAs Regulate Placental Trophoblast Function and Participate in Recurrent Abortion. Frontiers in Pharmacology, 2021, 12, 646521.	1.6	16
4951	Transcriptional factors in calcium mishandling and atrial fibrillation development. Pflugers Archiv European Journal of Physiology, 2021, 473, 1177-1197.	1.3	2
4952	MicroRNAs in Metastasis and the Tumour Microenvironment. International Journal of Molecular Sciences, 2021, 22, 4859.	1.8	10
4953	miR-132 downregulation alleviates behavioral impairment of rats exposed to single prolonged stress, reduces the level of apoptosis in PFC, and upregulates the expression of MeCP2 and BDNF. Neurobiology of Stress, 2021, 14, 100311.	1.9	12
4954	miRNAs and Genes Involved in the Interplay between Ocular Hypertension and Primary Open-Angle Glaucoma. Oxidative Stress, Inflammation, and Apoptosis Networks. Journal of Clinical Medicine, 2021, 10, 2227.	1.0	20
4955	Research progress on the regulatory role of microRNAs in spinal cord injury. Regenerative Medicine, 2021, 16, 465-476.	0.8	12
4956	Potential of peptideâ€engineered exosomes with overexpressed miRâ€92bâ€3p in antiâ€angiogenic therapy of ovarian cancer. Clinical and Translational Medicine, 2021, 11, e425.	1.7	28
4957	MicroRNAs in the regulation of autophagy and their possible use in age-related macular degeneration therapy. Ageing Research Reviews, 2021, 67, 101260.	5.0	23
4958	The Role of microRNAs in the Infection by T. gondii in Humans. Frontiers in Cellular and Infection Microbiology, 2021, 11, 670548.	1.8	8
4959	miR-204-5p and miR-211 Synergistically Downregulate the αS1-Casein Content and Contribute to the Lower Allergy of Goat Milk. Journal of Agricultural and Food Chemistry, 2021, 69, 5353-5362.	2.4	9
4960	Identification of potential autophagy-associated lncRNA in prostate cancer. Aging, 2021, 13, 13153-13165.	1.4	7
4961	IncRNA GAS5‑mediated miR‑23a‑3p promotes inflammation and cell apoptosis by targeting TLR4 in a cell model of sepsis. Molecular Medicine Reports, 2021, 24, .	1.1	12
4962	Small RNA-Sequencing: Approaches and Considerations for miRNA Analysis. Diagnostics, 2021, 11, 964.	1.3	35
4963	Leveraging epigenetics to enhance the efficacy of immunotherapy. Clinical Epigenetics, 2021, 13, 115.	1.8	24
4964	Emerging biological therapies for the treatment of malignant pleural mesothelioma. Expert Opinion on Emerging Drugs, 2021, 26, 179-192.	1.0	3
4965	Post-Transcriptional Regulation in Skeletal Muscle Development, Repair, and Disease. Trends in Molecular Medicine, 2021, 27, 469-481.	3.5	20

#	Article	IF	CITATIONS
4966	MiRNA-107 enhances the malignant progression of pancreatic cancer by targeting TGFBR3. PLoS ONE, 2021, 16, e0249375.	1.1	11
4967	Screening and potential role of tRFs and tiRNAs derived from tRNAs in the carcinogenesis and development of lung adenocarcinoma. Oncology Letters, 2021, 22, 506.	0.8	9
4968	Analysis of tRNA-derived RNA fragments (tRFs) in Cryptococcus spp.: RNAi-independent generation and possible compensatory effects in a RNAi-deficient genotype. Fungal Biology, 2021, 125, 389-399.	1.1	4
4969	MicroRNA in combination with HER2-targeting drugs reduces breast cancer cell viability in vitro. Scientific Reports, 2021, 11, 10893.	1.6	18
4970	HNRNPL Circularizes ARHGAP35 to Produce an Oncogenic Protein. Advanced Science, 2021, 8, 2001701.	5.6	55
4971	Perspective: Milk microRNAs as Important Players in Infant Physiology and Development. Advances in Nutrition, 2021, 12, 1625-1635.	2.9	15
4972	MicroRNA-dependent control of neuroplasticity in affective disorders. Translational Psychiatry, 2021, 11, 263.	2.4	33
4973	Roles of noncoding RNAs in the initiation and progression of myocardial ischemia–reperfusion injury. Epigenomics, 2021, 13, 715-743.	1.0	9
4974	Integrated analysis of miRNA–mRNA interaction in pediatric dilated cardiomyopathy. Pediatric Research, 2022, 92, 98-108.	1.1	12
4976	MicroRNAs Deregulated in Intraductal Papillary Mucinous Neoplasm Converge on Actin Cytoskeleton-Related Pathways That Are Maintained in Pancreatic Ductal Adenocarcinoma. Cancers, 2021, 13, 2369.	1.7	0
4977	Epigenetics in atrial fibrillation: A reappraisal. Heart Rhythm, 2021, 18, 824-832.	0.3	4
4978	Controlled Delivery of MicroRNAs into Primary Cells Using Nanostraw Technology. Advanced NanoBiomed Research, 2021, 1, 2000061.	1.7	4
4979	Variability in porcine microRNA genes and its association with mRNA expression and lipid phenotypes. Genetics Selection Evolution, 2021, 53, 43.	1.2	4
4980	Small Noncoding RNAs in Knee Osteoarthritis: The Role of MicroRNAs and tRNA-Derived Fragments. International Journal of Molecular Sciences, 2021, 22, 5711.	1.8	15
4981	Targeting circular RNAs as a therapeutic approach: current strategies and challenges. Signal Transduction and Targeted Therapy, 2021, 6, 185.	7.1	222
4982	Enzyme-free amplified detection of cellular microRNA by light-harvesting fluorescent nanoparticle probes. Biosensors and Bioelectronics, 2021, 179, 113084.	5.3	29
4983	The relationship between miRNA-26b and connective tissue growth factor in rat models of aortic banding and debanding. Korean Journal of Internal Medicine, 2021, 36, 596-607.	0.7	1
4984	New PCSK9 inhibitor miR-552-3p reduces LDL-C via enhancing LDLR in high fat diet-fed mice. Pharmacological Research, 2021, 167, 105562.	3.1	19

#	Article	IF	CITATIONS
4985	Profound downregulation of neural transcription factor Npas4 and Nr4a family in fetal mice neurons infected with Zika virus. PLoS Neglected Tropical Diseases, 2021, 15, e0009425.	1.3	5
4986	Novel Non-coding RNA Analysis in Multiple Myeloma Identified Through High-Throughput Sequencing. Frontiers in Genetics, 2021, 12, 625019.	1.1	6
4987	Oncogenic Landscape of Somatic Mutations Perturbing Pan-Cancer IncRNA-ceRNA Regulation. Frontiers in Cell and Developmental Biology, 2021, 9, 658346.	1.8	14
4988	Transcriptome analysis reveals disparate expression of inflammation-related miRNAs and their gene targets in iPSC-astrocytes from people with schizophrenia. Brain, Behavior, and Immunity, 2021, 94, 235-244.	2.0	17
4990	The role of miRNAs in MDMXâ€p53 interplay. Journal of Evidence-Based Medicine, 2021, 14, 152-160.	0.7	3
4991	MiR-939-5p suppresses PM _{2.5} -induced endothelial injury <i>via</i> targeting HIF-1α in HAECs. Nanotoxicology, 2021, 15, 706-720.	1.6	14
4992	Deciphering the Long Non-Coding RNAs and MicroRNAs Coregulation Networks in Ovarian Cancer Development: An Overview. Cells, 2021, 10, 1407.	1.8	2
4994	Micro RNAs in Regulation of Cellular Redox Homeostasis. International Journal of Molecular Sciences, 2021, 22, 6022.	1.8	21
4995	microRNA-1388-5p inhibits NF-κB signaling pathway in miiuy croaker through targeting IRAK1. Developmental and Comparative Immunology, 2021, 119, 104025.	1.0	4
4996	MiR-17–92 Cluster-Enriched Exosomes Derived from Human Bone Marrow Mesenchymal Stromal Cells Improve Tissue and Functional Recovery in Rats after Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 1535-1550.	1.7	38
4997	Rheb-mTOR activation rescues A \hat{l}^2 -induced cognitive impairment and memory function by restoring miR-146 activity in glial cells. Molecular Therapy - Nucleic Acids, 2021, 24, 868-887.	2.3	14
4998	Slow Transcription of the 99a/let-7c/125b-2 Cluster Results in Differential MiRNA Expression and Promotes Melanoma Phenotypic Plasticity. Journal of Investigative Dermatology, 2021, 141, 2944-2956.e6.	0.3	3
4999	Molecular Fingerprints of Malignant Pleural Mesothelioma: Not Just a Matter of Genetic Alterations. Journal of Clinical Medicine, 2021, 10, 2470.	1.0	8
5000	Impact of scaffolding protein TNRC6 paralogs on gene expression and splicing. Rna, 2021, 27, 1004-1016.	1.6	10
5001	Predicting miRNA-Disease Association Based on Modularity Preserving Heterogeneous Network Embedding. Frontiers in Cell and Developmental Biology, 2021, 9, 603758.	1.8	10
5002	Circulating microRNAs as Potential Diagnostic Biomarkers for Poor Sleep Quality. Nature and Science of Sleep, 2021, Volume 13, 1001-1012.	1.4	5
5003	miR-155–5p predictive role to decelerate foam cell atherosclerosis through CD36, VAV3, and SOCS1 pathway. Non-coding RNA Research, 2021, 6, 59-69.	2.4	10
5005	Identification of miRNAs that regulate human CYP2B6 expression. Drug Metabolism and Pharmacokinetics, 2021, 38, 100388.	1.1	4

#	ARTICLE	IF	CITATIONS
5006	The prognostic value of vitamin D receptor and its up-stream miR-27b and miR-125a expression in breast cancer patients. Gene Reports, 2021, 23, 101121.	0.4	1
5007	MiR-181a-5p Regulates NIS Expression in Papillary Thyroid Carcinoma. International Journal of Molecular Sciences, 2021, 22, 6067.	1.8	4
5008	Lipid nanoparticle formulations for targeting leukocytes with therapeutic RNA in liver fibrosis. Advanced Drug Delivery Reviews, 2021, 173, 70-88.	6.6	6
5009	Antisense microRNA185 loaded liposome for efficient inhibition of the hepatic endogenous microRNA185 level. European Journal of Pharmaceutical Sciences, 2021, 161, 105803.	1.9	6
5010	Biological Properties of Milk-Derived Extracellular Vesicles and Their Physiological Functions in Infant. Frontiers in Cell and Developmental Biology, 2021, 9, 693534.	1.8	51
5011	Soybean-derived gma-miR159a alleviates colon tumorigenesis by suppressing TCF7/MYC in mice. Journal of Nutritional Biochemistry, 2021, 92, 108627.	1.9	12
5012	Silencing lung cancer genes using miRNAs identified by 7mer-seed matching. Computational Biology and Chemistry, 2021, 92, 107483.	1.1	3
5013	Regulatory Potential of Competing Endogenous RNAs in Myotonic Dystrophies. International Journal of Molecular Sciences, 2021, 22, 6089.	1.8	6
5014	A Review of the Pathophysiological Mechanisms Underlying Castration-resistant Prostate Cancer. Research and Reports in Urology, 2021, Volume 13, 457-472.	0.6	21
5015	TGF beta â^1, â^2 and â^3 in the modulation of fibrosis in the cornea and other organs. Experimental Eye Research, 2021, 207, 108594.	1.2	47
5016	Oncolytic Viruses in Combination Therapeutic Approaches with Epigenetic Modulators: Past, Present, and Future Perspectives. Cancers, 2021, 13, 2761.	1.7	19
5017	miR-302 family, miR-145 and miR-296 temporal expression profile along the cell cycle of human pluripotent stem cells. Gene Expression Patterns, 2021, 40, 119168.	0.3	2
5018	m6A-Induced LncRNA MEG3 Suppresses the Proliferation, Migration and Invasion of Hepatocellular Carcinoma Cell Through miR-544b/BTG2 Signaling. OncoTargets and Therapy, 2021, Volume 14, 3745-3755.	1.0	41
5019	The Clinical Assessment of MicroRNA Diagnostic, Prognostic, and Theranostic Value in Colorectal Cancer. Cancers, 2021, 13, 2916.	1.7	9
5020	Do miRNAs Have a Role in Platelet Function Regulation?. Hamostaseologie, 2021, 41, 217-224.	0.9	4
5022	Preconceptional Immunization Can Modulate Offspring Intrathymic IL-17-Producing γÎT Cells with Epigenetic Implications Mediated by microRNAs. International Journal of Molecular Sciences, 2021, 22, 6633.	1.8	1
5023	Deciphering Network Crosstalk: The Current Status and Potential of miRNA Regulatory Networks on the HSP40 Molecular Chaperone Network. Frontiers in Genetics, 2021, 12, 689922.	1.1	1
5025	Release of redox enzymes and micro-RNAs in extracellular vesicles, during infection and inflammation. Free Radical Biology and Medicine, 2021, 169, 248-257.	1.3	10

#	Article	IF	CITATIONS
5026	Development of omics biomarkers for estrogen exposure using mRNA, miRNA and piRNAs. Aquatic Toxicology, 2021, 235, 105807.	1.9	4
5027	Fasting-mediated metabolic and toxicity reprogramming impacts circulating microRNA levels in humans. Food and Chemical Toxicology, 2021, 152, 112187.	1.8	11
5028	A CRETâ€Based Multicolor Sensing Nanoplatform for Simultaneously and Sensitively Visualizing Multiple Circulating MicroRNAs. Analysis & Sensing, 2021, 1, 103-110.	1.1	1
5029	Loss of miR-183/96 Alters Synaptic Strength via Presynaptic and Postsynaptic Mechanisms at a Central Synapse. Journal of Neuroscience, 2021, 41, 6796-6811.	1.7	9
5030	Distinct MicroRNA Profiles in the Perilymph and Serum of Patients With Menière's Disease. Frontiers in Neurology, 2021, 12, 646928.	1.1	10
5031	Regulatory Network Analysis of Mutated Genes Based on Multi-Omics Data Reveals the Exclusive Features in Tumor Immune Microenvironment Between Left-Sided and Right-Sided Colon Cancer. Frontiers in Oncology, 2021, 11, 685515.	1.3	10
5032	MicroRNA Sequences Modulated by Beta Cell Lipid Metabolism: Implications for Type 2 Diabetes Mellitus. Biology, 2021, 10, 534.	1.3	4
5033	miR-208b Reduces the Expression of Kcnj5 in a Cardiomyocyte Cell Line. Biomedicines, 2021, 9, 719.	1.4	3
5034	MicroRNA‴142‴3p suppresses cell proliferation, invasion and epithelial‴to‴mesenchymal transition via RAC1‴ERK1/2 signaling in colorectal cancer. Molecular Medicine Reports, 2021, 24, .	1.1	10
5035	Comprehensive Search for Novel Circulating miRNAs and Axon Guidance Pathway Proteins Associated with Risk of ESKD in Diabetes. Journal of the American Society of Nephrology: JASN, 2021, 32, 2331-2351.	3.0	20
5036	The MicroRNA Family Gets Wider: The IsomiRs Classification and Role. Frontiers in Cell and Developmental Biology, 2021, 9, 668648.	1.8	52
5038	Identification of Small Molecule Inhibitors of a Mir155 Transcriptional Reporter in Th17 Cells. Scientific Reports, 2021, 11, 11498.	1.6	2
5039	Liquid Biopsy for Promising Non-invasive Diagnostic Biomarkers in Parasitic Infections. Acta Parasitologica, 2021, , 1.	0.4	4
5040	Mechanisms linking endoplasmic reticulum (ER) stress and microRNAs to adipose tissue dysfunction in obesity. Critical Reviews in Biochemistry and Molecular Biology, 2021, 56, 455-481.	2.3	15
5041	Epigenetic Deregulation of Apoptosis in Cancers. Cancers, 2021, 13, 3210.	1.7	29
5042	Transcriptome Profiling and Metagenomic Analysis Help to Elucidate Interactions in an Inflammation-Associated Cancer Mouse Model. Cancers, 2021, 13, 3683.	1.7	7
5043	The Role of miRNAs in Extracellular Matrix Repair and Chronic Fibrotic Lung Diseases. Cells, 2021, 10, 1706.	1.8	13
5044	Circulating microRNA-30a-5p, microRNA-101-3p, microRNA-140-3p and microRNA-141-3p as potential biomarkers for dexmedetomidine response in pediatric patients. European Journal of Clinical Pharmacology, 2021, 77, 1853-1859.	0.8	2

#	Article	IF	CITATIONS
5045	A self-organizing deep neuro-fuzzy system approach for classification of kidney cancer subtypes using miRNA genomics data. Computer Methods and Programs in Biomedicine, 2021, 206, 106132.	2.6	9
5046	miR-744/eNOS/NO axis: A novel target to halt triple negative breast cancer progression. Breast Disease, 2021, 40, 161-169.	0.4	13
5047	miRNome and Functional Network Analysis of PGRMC1 Regulated miRNA Target Genes Identify Pathways and Biological Functions Associated With Triple Negative Breast Cancer. Frontiers in Oncology, 2021, 11, 710337.	1.3	3
5048	miR-129a-3p Inhibits PEDV Replication by Targeting the EDA-Mediated NF-κB Pathway in IPEC-J2 Cells. International Journal of Molecular Sciences, 2021, 22, 8133.	1.8	10
5049	Research hotspots and trends of microRNA in periodontology and dental implantology: a bibliometric analysis. Annals of Translational Medicine, 2021, 9, 1122-1122.	0.7	12
5050	MicroRNAs in β-thalassemia. American Journal of the Medical Sciences, 2021, 362, 5-12.	0.4	8
5051	Circulating microRNA alternations in primary hyperuricemia and gout. Arthritis Research and Therapy, 2021, 23, 186.	1.6	23
5052	Diagnosis and Therapeutic Management of Liver Fibrosis by MicroRNA. International Journal of Molecular Sciences, 2021, 22, 8139.	1.8	38
5053	Circular RNAs as Competing Endogenous RNAs in Cardiovascular and Cerebrovascular Diseases: Molecular Mechanisms and Clinical Implications. Frontiers in Cardiovascular Medicine, 2021, 8, 682357.	1.1	17
5054	MicroRNAs in pemphigus and pemphigoid diseases. Autoimmunity Reviews, 2021, 20, 102852.	2.5	7
5055	Regulatory landscapes of specific miRNAs are conserved between cell lines and primary tumors. F1000Research, 0, 10, 633.	0.8	0
5056	MicroRNAs as biomarkers of atrophic scarring in acne: a crossâ€sectional analysis of 41 patients. Clinical and Experimental Dermatology, 2021, 46, 1495-1503.	0.6	4
5057	Exosomeâ€delivered miRâ€221/222 exacerbates tumor liver metastasis by targeting SPINT1 in colorectal cancer. Cancer Science, 2021, 112, 3744-3755.	1.7	30
5058	Viral Micro-RNAs Are Detected in the Early Systemic Response to Injury and Are Associated With Outcomes in Polytrauma Patients. Critical Care Medicine, 2022, 50, 296-306.	0.4	5
5059	Chronic Variable Stress Induces Hepatic Fe(II) Deposition by Up-Regulating ZIP14 Expression via miR-181 Family Pathway in Rats. Biology, 2021, 10, 653.	1.3	5
5061	Transcription factor SP1-induced microRNA-146b-3p facilitates the progression and metastasis of colorectal cancer via regulating FAM107A. Life Sciences, 2021, 277, 119398.	2.0	20
5063	Panitumumab and cetuximab affect differently miRNA expression in colorectal cancer cells. Biomarkers in Medicine, 2021, 15, 685-696.	0.6	2
5064	An updated overview and classification of bioinformatics tools for MicroRNA analysis, which one to choose?. Computers in Biology and Medicine, 2021, 134, 104544.	3.9	13

#	Article	IF	Citations
5065	Functional Role of miR-155 in the Pathogenesis of Diabetes Mellitus and Its Complications. Non-coding RNA, 2021, 7, 39.	1.3	35
5066	Synthetic high-density lipoprotein nanoparticles: Good things in small packages. Ocular Surface, 2021, 21, 19-26.	2.2	7
5067	Both microRNA-455-5p and -3p repress hypoxia-inducible factor- $2\hat{l}\pm$ expression and coordinately regulate cartilage homeostasis. Nature Communications, 2021, 12, 4148.	5.8	38
5068	miR-20a-5p contributes to osteogenic differentiation of human dental pulp stem cells by regulating BAMBI and activating the phosphorylation of Smad5 and p38. Stem Cell Research and Therapy, 2021, 12, 421.	2.4	10
5069	Dysregulation of miRNA in Leukemia: Exploiting miRNA Expression Profiles as Biomarkers. International Journal of Molecular Sciences, 2021, 22, 7156.	1.8	21
5071	From bench side to clinic: Potential and challenges of RNA vaccines and therapeutics in infectious diseases. Molecular Aspects of Medicine, 2021, 81, 101003.	2.7	13
5072	miR-34a-5p regulates PINK1-mediated mitophagy via multiple modes. Life Sciences, 2021, 276, 119415.	2.0	13
5073	Target-swiped DNA lock for electrochemical sensing of miRNAs based on DNAzyme-assisted primer-generation amplification. Mikrochimica Acta, 2021, 188, 255.	2.5	3
5074	MicroRNA mediated therapeutic effects of natural agents in prostate cancer. Molecular Biology Reports, 2021, 48, 5759-5773.	1.0	2
5075	Understanding small ORF diversity through a comprehensive transcription feature classification. DNA Research, 2021, 28, .	1.5	17
5076	Altered microRNA expression in COVID-19 patients enables identification of SARS-CoV-2 infection. PLoS Pathogens, 2021, 17, e1009759.	2.1	107
5077	Translational Utility of Liquid Biopsies in Thyroid Cancer Management. Cancers, 2021, 13, 3443.	1.7	12
5078	Microâ€managing pattern formation: miRNA regulation of signaling systems in vertebrate development. FEBS Journal, 2021, , .	2.2	1
5079	In Silico Target Prediction of Overexpressed microRNAs from LPS-Challenged Zebrafish (Danio rerio) Treated with the Novel Anti-Inflammatory Peptide TnP. International Journal of Molecular Sciences, 2021, 22, 7117.	1.8	8
5080	Evaluating the Effect of 3′-UTR Variants in DICER1 and DROSHA on Their Tissue-Specific Expression by miRNA Target Prediction. Current Issues in Molecular Biology, 2021, 43, 605-617.	1.0	5
5081	Roles of MicroRNAs in Osteogenesis or Adipogenesis Differentiation of Bone Marrow Stromal Progenitor Cells. International Journal of Molecular Sciences, 2021, 22, 7210.	1.8	17
5082	miRNA-Based Potential Biomarkers and New Molecular Insights in Ulcerative Colitis. Frontiers in Pharmacology, 2021, 12, 707776.	1.6	24
5083	Knockdown of miR-26a in zebrafish leads to impairment of the anti-inflammatory function of TnP in the control of neutrophilia. Fish and Shellfish Immunology, 2021, 114, 301-310.	1.6	9

#	Article	IF	CITATIONS
5084	<scp>MiR</scp> â€186â€5p suppresses cell migration, invasion, and epithelial mesenchymal transition in bladder cancer by targeting <scp>RAB27A</scp> /B. Environmental Toxicology, 2021, 36, 2174-2185.	2.1	18
5085	Computational Detection of MicroRNA Targets. Methods in Molecular Biology, 2022, 2257, 187-209.	0.4	5
5086	Targeting miRNA by Natural Products: A Novel Therapeutic Approach for Nonalcoholic Fatty Liver. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-16.	0.5	11
5087	$17\hat{l}^2$ -Estradiol Regulates miR-9-5p and miR-9-3p Stability and Function in the Aged Female Rat Brain. Non-coding RNA, 2021, 7, 53.	1.3	4
5088	Diet-derived transmission of MicroRNAs from host plant into honey bee Midgut. BMC Genomics, 2021, 22, 587.	1.2	4
5089	Comparison of oncolytic virotherapy and nanotherapy as two new miRNA delivery approaches in lung cancer. Biomedicine and Pharmacotherapy, 2021, 140, 111755.	2.5	9
5090	Variety of Non-Coding RNAs in Eukaryotic Genomes. Mathematical Biology and Bioinformatics, 2021, 16, 256-298.	0.1	2
5091	Type 1 Diabetes and Associated Cardiovascular Damage: Contribution of Extracellular Vesicles in Tissue Crosstalk. Antioxidants and Redox Signaling, 2021, , .	2.5	0
5093	A stress-induced miR-31–CLOCK–ERK pathway is a key driver and therapeutic target for skin aging. Nature Aging, 2021, 1, 795-809.	5.3	15
5094	Genes, environment, and developmental timing: New insights from translational approaches to understand early origins of respiratory diseases. Pediatric Pulmonology, 2021, 56, 3157-3165.	1.0	4
5095	MicroRNAs targeting VEGF are related to vascular dysfunction in preeclampsia. Bioscience Reports, 2021, 41, .	1.1	9
5096	The Role of microRNAs in NK Cell Development and Function. Cells, 2021, 10, 2020.	1.8	10
5098	LncRNA THAP9-AS1 accelerates cell growth of esophageal squamous cell carcinoma through sponging miR-335–5p to regulate SGMS2. Pathology Research and Practice, 2021, 224, 153526.	1.0	10
5099	Targeting Non-coding RNA for Glioblastoma Therapy: The Challenge of Overcomes the Blood-Brain Barrier. Frontiers in Medical Technology, 2021, 3, 678593.	1.3	11
5100	The Role of miRNA in the Pathophysiology of Neuroendocrine Tumors. International Journal of Molecular Sciences, 2021, 22, 8569.	1.8	8
5101	Cervical cancer development, chemoresistance, and therapy: a snapshot of involvement of microRNA. Molecular and Cellular Biochemistry, 2021, 476, 4363-4385.	1.4	19
5102	Molecular Dysregulation in Autism Spectrum Disorder. Journal of Personalized Medicine, 2021, 11, 848.	1.1	8
5103	Role of MicroRNA in Inflammatory Bowel Disease: Clinical Evidence and the Development of Preclinical Animal Models. Cells, 2021, 10, 2204.	1.8	18

#	Article	IF	CITATIONS
5104	Recent Advancements in Apoptosis-Based Therapeutic Approaches for Cancer Targeting. , 0, , .		0
5105	Predicting miRNA-Disease Associations Based on Heterogeneous Graph Attention Networks. Frontiers in Genetics, 2021, 12, 727744.	1.1	7
5106	Circulating miRNAs and tissue iron overload in transfusion-dependent \hat{l}^2 -thalassemia major: novel predictors and follow-up guide. Annals of Hematology, 2021, 100, 2909-2917.	0.8	3
5107	miRNAs as Biomarkers for Diagnosing and Predicting Survival of Head and Neck Squamous Cell Carcinoma Patients. Cancers, 2021, 13, 3980.	1.7	17
5109	Hsaâ€miRâ€599 inhibits breast cancer progression via BRD4/Jagged1/Notch1 axis. Journal of Cellular Physiology, 2021, , .	2.0	1
5110	Extracellular vesicles for tissue repair and regeneration: Evidence, challenges and opportunities. Advanced Drug Delivery Reviews, 2021, 175, 113775.	6.6	86
5111	Extracellular miRNAs and Cell–Cell Communication: Problems and Prospects. Trends in Biochemical Sciences, 2021, 46, 640-651.	3.7	67
5112	Evaluation of RNA isolation methods for microRNA quantification in a range of clinical biofluids. BMC Biotechnology, 2021, 21, 48.	1.7	15
5113	Recent Advances in the Delivery Carriers and Chemical Conjugation Strategies for Nucleic Acid Drugs. Cancers, 2021, 13, 3881.	1.7	10
5114	Multi-Transcript Level Profiling Revealed Distinct mRNA, miRNA, and tRNA-Derived Fragment Bio-Signatures for Coping Behavior Linked Haplotypes in HPA Axis and Limbic System. Frontiers in Genetics, 2021, 12, 635794.	1.1	5
5115	Role of MicroRNAs in Extreme Animal Survival Strategies. Methods in Molecular Biology, 2022, 2257, 311-347.	0.4	7
5116	Functional microRNA targetome undergoes degeneration-induced shift in the retina. Molecular Neurodegeneration, 2021, 16, 60.	4.4	10
5117	A combinatorial in silico approach for microRNA-target identification: Order out of chaos. Biochimie, 2021, 187, 121-130.	1.3	3
5118	CucurbitacinÂB enhances apoptosis in gefitinib resistant nonâ€'small cell lung cancer by modulating the miRâ€'17â€'5p/STAT3 axis. Molecular Medicine Reports, 2021, 24, .	1.1	7
5119	Endogenous miRNA Sponges. Methods in Molecular Biology, 2022, 2257, 91-104.	0.4	44
5120	Magic and mystery of microRNAâ€32. Journal of Cellular and Molecular Medicine, 2021, 25, 8588-8601.	1.6	11
5121	Characterizing microRNA-mediated modulation of gene expression noise and its effect on synthetic gene circuits. Cell Reports, 2021, 36, 109573.	2.9	11
5122	The regulatory impact of RNA-binding proteins on microRNA targeting. Nature Communications, 2021, 12, 5057.	5.8	54

#	Article	IF	CITATIONS
5123	miR-204: Molecular Regulation and Role in Cardiovascular and Renal Diseases. Hypertension, 2021, 78, 270-281.	1.3	13
5124	TCF21 regulates miR-10a-5p/LIN28B signaling to block the proliferation and invasion of melanoma cells. PLoS ONE, 2021, 16, e0255971.	1.1	6
5125	Bioinformatics analysis of constructing a HCV-related hepatocellular carcinoma miRNA–mRNA regulation network. Medicine (United States), 2021, 100, e26964.	0.4	2
5126	Integrating Genetic and Transcriptomic Data to Reveal Pathogenesis and Prognostic Markers of Pancreatic Adenocarcinoma. Frontiers in Genetics, 2021, 12, 747270.	1.1	2
5127	Structural basis for piRNA targeting. Nature, 2021, 597, 285-289.	13.7	57
5128	MiR-4429 Alleviates Malignant Behaviors of Lung Adenocarcioma Through Wnt/ \hat{l}^2 -Catenin Pathway. Cancer Biotherapy and Radiopharmaceuticals, 2021, , .	0.7	2
5129	Co-Expression Network Analysis of MicroRNAs and Proteins in Severe Traumatic Brain Injury: A Systematic Review. Cells, 2021, 10, 2425.	1.8	3
5130	Role of miR-2392 in driving SARS-CoV-2 infection. Cell Reports, 2021, 37, 109839.	2.9	52
5131	MicroRNAs in the development of resistance to antiseizure drugs and their potential as biomarkers in pharmacoresistant epilepsy. Epilepsia, 2021, 62, 2573-2588.	2.6	12
5132	Identification of Novel Single-Nucleotide Variants With Potential of Mediating Malfunction of MicroRNA in Congenital Heart Disease. Frontiers in Cardiovascular Medicine, 2021, 8, 739598.	1.1	0
5133	Intracellular and exosomal microRNAome profiling of human vascular smooth muscle cells during replicative senescence. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H770-H783.	1.5	11
5134	Bovine extracellular vesicles contaminate human extracellular vesicles produced in cell culture conditioned medium when â€~exosome-depleted serum' is utilised. Archives of Biochemistry and Biophysics, 2021, 708, 108963.	1.4	18
5135	Disruption of miRNA-mRNA Networks Defines Novel Molecular Signatures for Penile Carcinogenesis. Cancers, 2021, 13, 4745.	1.7	5
5136	Exosomal miRNAs as New Players of Cancers: A Mini-review Study. Gene, Cell and Tissue, 2021, In Press, .	0.2	0
5137	Human-Specific Regulation of Neurotrophic Factors MANF and CDNF by microRNAs. International Journal of Molecular Sciences, 2021, 22, 9691.	1.8	5
5138	Competing Endogenous RNA of Snail and Zeb1 UTR in Therapeutic Resistance of Colorectal Cancer. International Journal of Molecular Sciences, 2021, 22, 9589.	1.8	8
5139	The Functional Role of Long Non-Coding RNAs in Melanoma. Cancers, 2021, 13, 4848.	1.7	11
5140	Genome-wide functional screen of 3′UTR variants uncovers causal variants for human disease and evolution. Cell, 2021, 184, 5247-5260.e19.	13.5	62

#	Article	IF	CITATIONS
5141	Roles of Skeletal Muscle-Derived Exosomes in Organ Metabolic and Immunological Communication. Frontiers in Endocrinology, 2021, 12, 697204.	1.5	18
5143	Hypoxia regulates overall mRNA homeostasis by inducing Met1-linked linear ubiquitination of AGO2 in cancer cells. Nature Communications, 2021, 12, 5416.	5.8	23
5144	MicroRNAâ€'361 reduces the viability and migratory ability of pancreatic cancer cells via mediation of the MAPK/JNK pathway. Experimental and Therapeutic Medicine, 2021, 22, 1365.	0.8	2
5145	Expression, regulation, and function of exosomeâ€derived miRNAs in cancer progression and therapy. FASEB Journal, 2021, 35, e21916.	0.2	70
5146	Small Non-coding RNA Expression Following Respiratory Syncytial Virus or Measles Virus Infection of Neuronal Cells. Frontiers in Microbiology, 2021, 12, 671852.	1.5	0
5147	Association of miR-499 Polymorphism and Its Regulatory Networks with Hashimoto Thyroiditis Susceptibility: A Population-Based Case-Control Study. International Journal of Molecular Sciences, 2021, 22, 10094.	1.8	4
5148	Deciphering the Role of microRNAs in Large-Artery Stiffness Associated With Aging: Focus on miR-181b. Frontiers in Physiology, 2021, 12, 747789.	1.3	1
5150	Non-Coding RNAs in Human Breast Milk: A Systematic Review. Frontiers in Immunology, 2021, 12, 725323.	2.2	32
5151	The Interaction between microRNAs and the Wnt/ \hat{l}^2 -Catenin Signaling Pathway in Osteoarthritis. International Journal of Molecular Sciences, 2021, 22, 9887.	1.8	18
5153	Differential Expression of Human MicroRNAs During Dengue Virus Infection in THP-1 Monocytes. Frontiers in Cellular and Infection Microbiology, 2021, 11, 714088.	1.8	2
5154	Noncoding RNAs in tumor metastasis: molecular and clinical perspectives. Cellular and Molecular Life Sciences, 2021, 78, 6823-6850.	2.4	19
5155	Prognostic and clinicopathological importance of microRNA-140 expression in cancer patients: a meta-analysis. World Journal of Surgical Oncology, 2021, 19, 266.	0.8	6
5156	Targeting autophagy in ischemic stroke: From molecular mechanisms to clinical therapeutics. , 2021, 225, 107848.		105
5157	miR-23a contributes to T cellular redox metabolism in juvenile idiopathic oligoarthritis. Rheumatology, 2022, 61, 2694-2703.	0.9	4
5158	Characterizing viral circRNAs and their application in identifying circRNAs in viruses. Briefings in Bioinformatics, 2022, 23, .	3.2	18
5159	Mechanosensitive miRâ€100 coordinates TGFβ and Wnt signaling in osteocytes during fluid shear stress. FASEB Journal, 2021, 35, e21883.	0.2	6
5160	Lower miRâ€⊋6a levels in breastmilk affect gene expression in adipose tissue of offspring. FASEB Journal, 2021, 35, e21924.	0.2	10
5161	HuD Regulates mRNA-circRNA-miRNA Networks in the Mouse Striatum Linked to Neuronal Development and Drug Addiction. Biology, 2021, 10, 939.	1.3	5

#	Article	IF	CITATIONS
5162	The Clinical Significance of miR-21 in Guiding Chemotherapy for Patients with Osteosarcoma. Pharmacogenomics and Personalized Medicine, 2021, Volume 14, 1247-1261.	0.4	1
5163	Circular RNA-0007059 protects cell viability and reduces inflammation in a nephritis cell model by inhibiting microRNA-1278/SHP-1/STAT3 signaling. Molecular Medicine, 2021, 27, 113.	1.9	14
5164	MiR-100 overexpression attenuates high fat diet induced weight gain, liver steatosis, hypertriglyceridemia and development of metabolic syndrome in mice. Molecular Medicine, 2021, 27, 101.	1.9	11
5165	Marburg and Ebola Virus mRNA 3′ Untranslated Regions Contain Negative Regulators of Translation That Are Modulated by ADAR1 Editing. Journal of Virology, 2021, 95, e0065221.	1.5	8
5166	GH Overexpression Alters Spermatic Cells MicroRNAome Profile in Transgenic Zebrafish. Frontiers in Genetics, 2021, 12, 704778.	1.1	5
5167	Reactive Oxygen Species-Mediated Diabetic Heart Disease: Mechanisms and Therapies. Antioxidants and Redox Signaling, 2022, 36, 608-630.	2.5	5
5168	Non-coding RNAs in melanoma: Biological functions and potential clinical applications. Molecular Therapy - Oncolytics, 2021, 22, 219-231.	2.0	11
5170	Circular RNA PVT1 silencing prevents ischemia-reperfusion injury in rat by targeting microRNA-125b and microRNA-200a. Journal of Molecular and Cellular Cardiology, 2021, 159, 80-90.	0.9	20
5171	The role of MicroRNAs in tendon injury, repair, and related tissue engineering. Biomaterials, 2021, 277, 121083.	5.7	21
5172	MicroRNAs to guide medical decision-making in obstructive sleep apnea: A review. Sleep Medicine Reviews, 2021, 59, 101458.	3.8	17
5173	Gene cascades ensure physiological function from optimal health to developing diseases. Physiology and Behavior, 2021, 241, 113568.	1.0	0
5174	Oligonucleotides as therapeutic tools for brain disorders: Focus on major depressive disorder and Parkinson's disease., 2021, 227, 107873.		17
5175	MicroRNA Expression Profiling in Diabetic Kidney Disease. Translational Research, 2021, 237, 31-52.	2.2	9
5176	A photocathode based on BiOI-Bi/CNTs for microRNA detection coupling with target recycling strand displacement amplification. Sensors and Actuators B: Chemical, 2021, 348, 130691.	4.0	11
5177	Transgenic overexpression of the miR-200b/200a/429 cluster inhibits mammary tumor initiation. Translational Oncology, 2021, 14, 101228.	1.7	3
5178	Circular RNA: A potential diagnostic, prognostic, and therapeutic biomarker for human triple-negative breast cancer. Molecular Therapy - Nucleic Acids, 2021, 26, 63-80.	2.3	34
5179	Fluid biomarkers for Alzheimer's disease in Down syndrome: Current status and novel trends., 2022,, 97-128.		0
5180	Bringing MicroRNAs to Light: Methods for MicroRNA Quantification and Visualization in Live Cells. Frontiers in Bioengineering and Biotechnology, 2020, 8, 619583.	2.0	38

#	Article	IF	CITATIONS
5181	Focus on Diabetic Retinopathy (DR) and MicroRNA "What Association― Frontiers in Medical Case Reports, 2021, 02, .	0.0	0
5182	microRNAs in Nutritional Signaling and Metabolic Syndrome. , 2021, , 398-423.		1
5183	FOXD3-induced miR-133a blocks progression and metastasis of colorectal cancer through regulating UBA2. Journal of Cancer, 2021, 12, 6145-6154.	1.2	4
5184	The curious case of miR-155 in SLE. Expert Reviews in Molecular Medicine, 2021, 23, e11.	1.6	6
5185	Epigenetic and non-coding regulation of alcohol abuse and addiction. International Review of Neurobiology, 2021, 156, 63-86.	0.9	8
5186	Improvement of sensory neuron growth and survival via negatively regulating PTEN by miR-21-5p-contained small extracellular vesicles from skin precursor-derived Schwann cells. Stem Cell Research and Therapy, 2021, 12, 80.	2.4	32
5187	Circular RNA VANGL1 knockdown suppressed viability, promoted apoptosis, and increased doxorubicin sensitivity through targeting miR-145-5p to regulate SOX4 in bladder cancer cells. Open Medicine (Poland), 2021, 16, 1010-1021.	0.6	7
5189	Activation of dsRNA-Dependent Protein Kinase R by miR-378 Sustains Metabolic Inflammation in Hepatic Insulin Resistance. Diabetes, 2021, 70, 710-719.	0.3	11
5190	Survivin Expression Is Differentially Regulated by a Selective Cross-talk between RBM38 and miRNAs let-7b or miR-203a. Cancer Research, 2021, 81, 1827-1839.	0.4	3
5191	Participation of different miRNAs in the regulation of YY1: Their role in pathogenesis, chemoresistance, and therapeutic implication in hematologic malignancies., 2021,, 171-198.		2
5192	Aging and Protein Kinases. Advances in Experimental Medicine and Biology, 2021, 1275, 35-69.	0.8	0
5193	Epigenetic modifications in muscle regeneration and progression of Duchenne muscular dystrophy. Clinical Epigenetics, 2021, 13, 13.	1.8	26
5194	MicroRNAs: immune modulators in cancer immunotherapy. Immunotherapy Advances, 2021, 1, .	1.2	15
5195	Integrative approaches for analysis of mRNA and microRNA high-throughput data. Computational and Structural Biotechnology Journal, 2021, 19, 1154-1162.	1.9	20
5196	LncRNAâ€CAS5 related to the processes of recurrent pregnancy loss by regulating Th1/Th2 balance. Kaohsiung Journal of Medical Sciences, 2021, 37, 479-486.	0.8	8
5197	The Challenging Riddle about the Janus-Type Role of Hsp60 and Related Extracellular Vesicles and miRNAs in Carcinogenesis and the Promises of Its Solution. Applied Sciences (Switzerland), 2021, 11, 1175.	1.3	5
5198	Implications for MicroRNA involvement in the prognosis and treatment of atherosclerosis. Molecular and Cellular Biochemistry, 2021, 476, 1327-1336.	1.4	13
5199	Modulatory role of tea in arsenic induced epigenetic alterations in carcinogenesis. Nucleus (India), 2021, 64, 143-156.	0.9	3

#	Article	IF	CITATIONS
5200	The roles of microRNAs in mouse development. Nature Reviews Genetics, 2021, 22, 307-323.	7.7	73
5201	Dosage-sensitive functions in embryonic development drove the survival of genes on sex-specific chromosomes in snakes, birds, and mammals. Genome Research, 2021, 31, 198-210.	2.4	28
5202	Modulation of hepatic miRNA expression in Atlantic salmon (Salmo salar) by family background and dietary fatty acid composition. Journal of Fish Biology, 2021, 98, 1172-1185.	0.7	8
5204	Classification of Long Noncoding RNAs by k-mer Content. Methods in Molecular Biology, 2021, 2254, 41-60.	0.4	15
5205	Next-Generation Sequencing in Cancer Epigenomics and Potential Clinical Applications. , 2013, , 31-53.		2
5206	Role of MicroRNAs in Stem Cell Regulation and Tumorigenesis in Drosophila. , 2014, , 69-80.		1
5207	Posttranscriptional Regulatory Networks: From Expression Profiling to Integrative Analysis of mRNA and MicroRNA Data. Methods in Molecular Biology, 2014, 1160, 165-188.	0.4	8
5208	Pseudogene-Derived Endogenous siRNAs and Their Function. Methods in Molecular Biology, 2014, 1167, 227-239.	0.4	21
5209	A Guide for miRNA Target Prediction and Analysis Using Web-Based Applications. Methods in Molecular Biology, 2014, 1182, 265-277.	0.4	14
5210	Sequencing Small RNA: Introduction and Data Analysis Fundamentals. Methods in Molecular Biology, 2014, 1182, 93-103.	0.4	5
5211	Identification of MicroRNA Targets by Pulsed SILAC. Methods in Molecular Biology, 2014, 1188, 327-349.	0.4	5
5212	Identification of miRNAs and Their Targets in C. elegans. Advances in Experimental Medicine and Biology, 2014, 825, 431-450.	0.8	8
5213	MicroRNA Function in Mast Cell Biology: Protocols to Characterize and Modulate MicroRNA Expression. Methods in Molecular Biology, 2015, 1220, 287-304.	0.4	11
5214	Epigenetics of Prostate Cancer. Methods in Molecular Biology, 2015, 1238, 217-234.	0.4	10
5215	Epigenetics of Gastric Cancer. Methods in Molecular Biology, 2015, 1238, 783-799.	0.4	22
5216	Prediction of miRNA Targets. Methods in Molecular Biology, 2015, 1269, 207-229.	0.4	29
5217	Genome-Wide Analysis of MicroRNA-Regulated Transcripts. Methods in Molecular Biology, 2017, 1617, 93-107.	0.4	3
5218	Subcellular Localization of MicroRNAs by MicroRNA In Situ Hybridization (miR-ISH). Methods in Molecular Biology, 2019, 2054, 159-169.	0.4	3

#	Article	IF	CITATIONS
5219	Identification and Validation of the Cellular Targets of Virus-Encoded MicroRNAs. Methods in Molecular Biology, 2010, 667, 319-326.	0.4	3
5220	PhenomiR: MicroRNAs in Human Diseases and Biological Processes. Methods in Molecular Biology, 2012, 822, 249-260.	0.4	57
5221	MicroRNA Target Finding by Comparative Genomics. Methods in Molecular Biology, 2014, 1097, 457-476.	0.4	18
5222	MicroRNAs in Drosophila Cancer Models. Advances in Experimental Medicine and Biology, 2019, 1167, 157-173.	0.8	8
5223	Gene Expression in Endometriosis. , 2020, , 159-180.		3
5224	DAMP-Promoted Efferent Innate Immune Responses in Human Diseases: Inflammation. , 2020, , 151-209.		1
5225	The Biology of Toll-Like Receptors and NOD-Like Receptors: The Toggles of Inflammation. , 2013, , 1-25.		2
5226	Novel Mechanisms of Disease: Network Biology and MicroRNA Signaling in Pulmonary Hypertension. , 2016, , 123-133.		2
5227	Post-transcriptional Regulation of Prostaglandin Biosynthesis. , 2016, , 181-219.		1
5228	Targeting MicroRNAs: Molecular Basis of Cancer Prevention. , 2016, , 61-84.		1
5229	MicroRNA and Adipogenesis. Advances in Experimental Medicine and Biology, 2017, 960, 489-509.	0.8	56
5230	The Pathogenesis of Obesity-Associated Adipose Tissue Inflammation. Advances in Experimental Medicine and Biology, 2017, 960, 221-245.	0.8	198
5231	Analysis of Paired miRNA-mRNA Microarray Expression Data Using a Stepwise Multiple Linear Regression Model. Lecture Notes in Computer Science, 2017, , 59-70.	1.0	1
5232	Epigenetics/Epigenomics of Olive Oil and theÂMediterranean Diet. Practical Issues in Geriatrics, 2018, , 115-138.	0.3	2
5233	MicroRNAs and Their Antagonists as Novel Therapeutics. RNA Technologies, 2012, , 503-523.	0.2	2
5234	Mechanistic Aspects of COX-2 Expression in Colorectal Neoplasia. Recent Results in Cancer Research, 2013, 191, 7-37.	1.8	79
5235	Non-coding RNAs in Dictyostelium discoideum and Other Dictyostelid Social Amoebae., 2013,, 109-128.		1
5237	Deep Sequencing of MicroRNAs in Cancer: Expression Profiling and Its Applications. , 2012, , 523-546.		3

#	Article	IF	Citations
5238	Human MicroRNA Targetome Indicates a Specialized Role of MicroRNAs in Regulation of Oncogenesis. , 2012, , 247-266.		1
5239	Prioritizing Candidate Disease miRNAs by Topological Features in the miRNA-Target Dysregulated Network. , 2012, , 289-306.		3
5240	MicroRNA: Potential Targets for the Development of Novel Drugs?. Drugs in R and D, 2010, 10, 1-8.	1.1	1
5241	MicroRNA Deregulation in Lung Cancer and Their Use as Clinical Tools., 2016,, 539-555.		1
5242	Epigenetics: An overview of CpG methylation, chromatin remodeling, and regulatory/noncoding RNAs. , 2020, , 3-32.		10
5243	MicroRNAs in breast cancer: New maestros defining the melody. Cancer Genetics, 2020, 246-247, 18-40.	0.2	19
5244	Expression of circulating microRNAs as predictors of diagnosis and surgical outcome in patients with mesial temporal lobe epilepsy with hippocampal sclerosis. Epilepsy Research, 2020, 166, 106373.	0.8	20
5245	Aspects of the immune system that impact brain function. Journal of Neuroimmunology, 2020, 340, 577167.	1.1	10
5246	Photoperiod regulates hypothalamic miR-155 gene expression in female, but not male, Siberian hamsters (Phodopus sungorus) Behavioral Neuroscience, 2019, 133, 240-246.	0.6	4
5247	microRNA-122 amplifies hepatitis C virus translation by shaping the structure of the internal ribosomal entry site. Nature Communications, 2018, 9, 2613.	5.8	90
5248	Research and Development of Oligonucleotides Targeting MicroRNAs (miRNAs). RSC Drug Discovery Series, 2019, , 151-180.	0.2	2
5249	MicroRNA-33a negatively regulates myoblast proliferation by targeting IGF1, follistatin and cyclin D1. Bioscience Reports, 2020, 40, .	1.1	9
5250	Immune-related miRNA signature identifies prognosis and immune landscape in head and neck squamous cell carcinomas. Bioscience Reports, 2020, 40, .	1.1	7
5251	Sexual dimorphism of miRNA signatures in feto-placental endothelial cells is associated with altered barrier function and actin organization. Clinical Science, 2020, 134, 39-51.	1.8	13
5252	Circulating miR-206 and Wnt-signaling are associated with cardiovascular complications and a history of preeclampsia in women. Clinical Science, 2020, 134, 87-101.	1.8	8
5253	From animal models to patients: the role of placental microRNAs, miR-210, miR-126, and miR-148a/152 in preeclampsia. Clinical Science, 2020, 134, 1001-1025.	1.8	30
5254	Micro RNAâ€30b (inhibitor) nanoparticles suppressed the lipopolysaccharide (LPS)â€induced acute kidney injury. IET Nanobiotechnology, 2019, 13, 923-927.	1.9	5
5255	MicroRNA-141 participates in milk lipid metabolism by targeting SIRT1 in bovine mammary epithelial cells. Animal Production Science, 2020, 60, 1877.	0.6	4

#	Article	IF	Citations
5256	miR-183/TMSB4Y, a new potential signaling axis, involving in the progression of laryngeal cancer via modulating cell adhesion. Journal of Receptor and Signal Transduction Research, 2020, , 1-8.	1.3	5
5257	Upregulation of polycistronic microRNA-143 and microRNA-145 in colonocytes suppresses colitis and inflammation-associated colon cancer. Epigenetics, 2021, 16, 1317-1334.	1.3	10
5258	miRactDB characterizes miRNA–gene relation switch between normal and cancer tissues across pan-cancer. Briefings in Bioinformatics, 2021, 22, .	3.2	9
5259	MiR-CLIP reveals <i>i>iso</i> -miR selective regulation in the miR-124 targetome. Nucleic Acids Research, 2021, 49, 25-37.	6.5	10
5260	Urinary miRNA Biomarkers of Drug-Induced Kidney Injury and Their Site Specificity Within the Nephron. Toxicological Sciences, 2021, 180, 1-16.	1.4	19
5261	miR-203 Regulates Nociceptive Sensitization after Incision by Controlling Phospholipase A2 Activating Protein Expression. Anesthesiology, 2012, 117, 626-638.	1.3	44
5262	Human respiratory syncytial virus non-structural protein NS1 modifies miR-24 expression via transforming growth factor- \hat{l}^2 . Journal of General Virology, 2015, 96, 3179-3191.	1.3	27
5263	Drosophila microRNA modulates viral replication by targeting a homologue of mammalian cJun. Journal of General Virology, 2017, 98, 1904-1912.	1.3	11
5264	Wolbachia-mediated protection of Drosophila melanogaster against systemic infection with its natural viral pathogen Drosophila C virus does not involve changes in levels of highly abundant miRNAs. Journal of General Virology, 2018, 99, 827-831.	1.3	15
5287	Uncovering the role of genomic "dark matter―in human disease. Journal of Clinical Investigation, 2012, 122, 1589-1595.	3.9	70
5288	MicroRNA-140-5p and SMURF1 regulate pulmonary arterial hypertension. Journal of Clinical Investigation, 2016, 126, 2495-2508.	3.9	119
5290	Maternal sevoflurane exposure affects differentiation of hippocampal neural stem cells by regulating miR-410-3p and ATN1. Stem Cell Research and Therapy, 2020, 11, 423.	2.4	12
5291	- Epigenomics: Basics and Applications. , 2013, , 96-117.		1
5292	Breast Cancer MicroRNAs. , 2013, , 1-43.		1
5293	MicroRNA-7a2 Regulates Prolactin in Developing Lactotrophs and Prolactinoma Cells. Endocrinology, 2021, 162, .	1.4	10
5294	The OxymiR response to oxygen limitation: a comparative microRNA perspective. Journal of Experimental Biology, 2020, 223, .	0.8	12
5295	Increased microRNA-155 and decreased microRNA-146a may promote ocular inflammation and proliferation in Graves' ophthalmopathy. Medical Science Monitor, 2014, 20, 639-643.	0.5	44
5296	MicroRNA-34a Promotes Hepatic Stellate Cell Activation via Targeting ACSL1. Medical Science Monitor, 2015, 21, 3008-3015.	0.5	33

#	Article	IF	CITATIONS
5297	Mir-451 Correlates with Prognosis of Renal Cell Carcinoma Patients and Inhibits Cellular Proliferation of Renal Cell Carcinoma. Medical Science Monitor, 2016, 22, 183-190.	0.5	23
5298	MiR-494 Inhibits Epithelial Ovarian Cancer Growth by Targeting c-Myc. Medical Science Monitor, 2016, 22, 617-624.	0.5	35
5299	Novel Multiple miRNA-Based Signatures for Predicting Overall Survival and Recurrence-Free Survival of Colorectal Cancer Patients. Medical Science Monitor, 2019, 25, 7258-7271.	0.5	8
5300	Long Non-Coding RNA (LncRNA) UFC1/miR-34a Contributes to Proliferation and Migration in Breast Cancer. Medical Science Monitor, 2019, 25, 7149-7157.	0.5	11
5301	Recent Advances in Understanding Cholangiocarcinoma. F1000Research, 2017, 6, 1818.	0.8	10
5302	The expanding regulatory universe of p53 in gastrointestinal cancer. F1000Research, 2016, 5, 756.	0.8	7
5303	MicroRNA-124 Suppresses Tumor Cell Proliferation and Invasion by Targeting CD164 Signaling Pathway in Non-Small Cell Lung Cancer. Journal of Gene Therapy, 2016, 2, .	1.0	22
5304	Evaluation of RNAi and CRISPR technologies by large-scale gene expression profiling in the Connectivity Map. PLoS Biology, 2017, 15, e2003213.	2.6	136
5305	Global Prediction of Tissue-Specific Gene Expression and Context-Dependent Gene Networks in Caenorhabditis elegans. PLoS Computational Biology, 2009, 5, e1000417.	1.5	84
5306	3'UTR Shortening Potentiates MicroRNA-Based Repression of Pro-differentiation Genes in Proliferating Human Cells. PLoS Genetics, 2016, 12, e1005879.	1.5	77
5307	Widespread Shortening of 3' Untranslated Regions and Increased Exon Inclusion Are Evolutionarily Conserved Features of Innate Immune Responses to Infection. PLoS Genetics, 2016, 12, e1006338.	1.5	90
5308	MiR-125a Is a critical modulator for neutrophil development. PLoS Genetics, 2017, 13, e1007027.	1.5	19
5309	New insights into the function of mammalian Argonaute2. PLoS Genetics, 2020, 16, e1009058.	1.5	8
5310	ZIKV – CDB: A Collaborative Database to Guide Research Linking SncRNAs and ZIKA Virus Disease Symptoms. PLoS Neglected Tropical Diseases, 2016, 10, e0004817.	1.3	28
5311	Regulation of hepatic microRNAs in response to early stage Echinococcus multilocularis egg infection in C57BL/6 mice. PLoS Neglected Tropical Diseases, 2020, 14, e0007640.	1.3	12
5312	MicroRNome Analysis Unravels the Molecular Basis of SARS Infection in Bronchoalveolar Stem Cells. PLoS ONE, 2009, 4, e7837.	1.1	122
5313	MicroRNA-145 Targets YES and STAT1 in Colon Cancer Cells. PLoS ONE, 2010, 5, e8836.	1.1	150
5314	Discovery of Novel MicroRNAs in Female Reproductive Tract Using Next Generation Sequencing. PLoS ONE, 2010, 5, e9637.	1.1	88

#	Article	IF	CITATIONS
5315	Improved Microarray-Based Decision Support with Graph Encoded Interactome Data. PLoS ONE, 2010, 5, e10225.	1.1	6
5316	MicroRNA Networks in Mouse Lung Organogenesis. PLoS ONE, 2010, 5, e10854.	1.1	80
5317	Thyroid Hormone May Regulate mRNA Abundance in Liver by Acting on MicroRNAs. PLoS ONE, 2010, 5, e12136.	1.1	40
5318	ExprTarget: An Integrative Approach to Predicting Human MicroRNA Targets. PLoS ONE, 2010, 5, e13534.	1.1	80
5319	miRNA-mRNA Integrated Analysis Reveals Roles for miRNAs in Primary Breast Tumors. PLoS ONE, 2011, 6, e16915.	1.1	278
5320	NAViGaTing the Micronome – Using Multiple MicroRNA Prediction Databases to Identify Signalling Pathway-Associated MicroRNAs. PLoS ONE, 2011, 6, e17429.	1.1	207
5321	The PLIN4 Variant rs8887 Modulates Obesity Related Phenotypes in Humans through Creation of a Novel miR-522 Seed Site. PLoS ONE, 2011, 6, e17944.	1.1	51
5322	Integration of Transcriptomics, Proteomics, and MicroRNA Analyses Reveals Novel MicroRNA Regulation of Targets in the Mammalian Inner Ear. PLoS ONE, 2011, 6, e18195.	1.1	74
5323	Differential Expression of MicroRNAs in Tumors from Chronically Inflamed or Genetic (APCMin/+) Models of Colon Cancer. PLoS ONE, 2011, 6, e18501.	1.1	63
5324	MicroRNAs Dynamically Remodel Gastrointestinal Smooth Muscle Cells. PLoS ONE, 2011, 6, e18628.	1.1	39
5325	Evidence for the Complexity of MicroRNA-Mediated Regulation in Ovarian Cancer: A Systems Approach. PLoS ONE, 2011, 6, e22508.	1.1	43
5326	Profile of MicroRNAs following Rat Sciatic Nerve Injury by Deep Sequencing: Implication for Mechanisms of Nerve Regeneration. PLoS ONE, 2011, 6, e24612.	1.1	79
5327	Epigenetic Regulation of MicroRNA Genes and the Role of miR-34b in Cell Invasion and Motility in Human Melanoma. PLoS ONE, 2011, 6, e24922.	1.1	63
5328	A Study of the Evolution of Human microRNAs by Their Apparent Repression Effectiveness on Target Genes. PLoS ONE, 2011, 6, e25034.	1.1	3
5329	An Integrated Analysis of miRNA and mRNA Expressions in Non-Small Cell Lung Cancers. PLoS ONE, 2011, 6, e26502.	1.1	71
5330	miRConnect: Identifying Effector Genes of miRNAs and miRNA Families in Cancer Cells. PLoS ONE, 2011, 6, e26521.	1.1	46
5331	A Systematic Analysis on DNA Methylation and the Expression of Both mRNA and microRNA in Bladder Cancer. PLoS ONE, 2011, 6, e28223.	1.1	35
5332	Insulin-Like Growth Factor-1 Receptor Is Regulated by microRNA-133 during Skeletal Myogenesis. PLoS ONE, 2011, 6, e29173.	1.1	138

#	Article	IF	Citations
5333	Statistical Properties and Robustness of Biological Controller-Target Networks. PLoS ONE, 2012, 7, e29374.	1.1	13
5334	Quantification of miRNA-mRNA Interactions. PLoS ONE, 2012, 7, e30766.	1.1	67
5335	A Potential Regulatory Role for Intronic microRNA-338-3p for Its Host Gene Encoding Apoptosis-Associated Tyrosine Kinase. PLoS ONE, 2012, 7, e31022.	1.1	65
5336	Unraveling the Global microRNAome Responses to Ionizing Radiation in Human Embryonic Stem Cells. PLoS ONE, 2012, 7, e31028.	1.1	30
5337	Shortening of 3′UTRs Correlates with Poor Prognosis in Breast and Lung Cancer. PLoS ONE, 2012, 7, e31129.	1.1	95
5338	miRNA-Mediated Relationships between Cis-SNP Genotypes and Transcript Intensities in Lymphocyte Cell Lines. PLoS ONE, 2012, 7, e31429.	1.1	15
5339	Identification of XMRV Infection-Associated microRNAs in Four Cell Types in Culture. PLoS ONE, 2012, 7, e32853.	1.1	6
5340	Circulating MiR-125b as a Marker Predicting Chemoresistance in Breast Cancer. PLoS ONE, 2012, 7, e34210.	1.1	241
5341	MiR-133a in Human Circulating Monocytes: A Potential Biomarker Associated with Postmenopausal Osteoporosis. PLoS ONE, 2012, 7, e34641.	1.1	154
5342	MicroRNA Genes and Their Target 3′-Untranslated Regions Are Infrequently Somatically Mutated in Ovarian Cancers. PLoS ONE, 2012, 7, e35805.	1.1	27
5343	Skipping of Exons by Premature Termination of Transcription and Alternative Splicing within Intron-5 of the Sheep SCF Gene: A Novel Splice Variant. PLoS ONE, 2012, 7, e38657.	1.1	5
5344	MiR-137 Targets Estrogen-Related Receptor Alpha and Impairs the Proliferative and Migratory Capacity of Breast Cancer Cells. PLoS ONE, 2012, 7, e39102.	1.1	106
5345	MicroRNA-7 Inhibits Epithelial-to-Mesenchymal Transition and Metastasis of Breast Cancer Cells via Targeting FAK Expression. PLoS ONE, 2012, 7, e41523.	1.1	169
5346	miRSystem: An Integrated System for Characterizing Enriched Functions and Pathways of MicroRNA Targets. PLoS ONE, 2012, 7, e42390.	1.1	277
5347	Identification of Novel Targets for miR-29a Using miRNA Proteomics. PLoS ONE, 2012, 7, e43243.	1.1	48
5348	Dysfunctions Associated with Methylation, MicroRNA Expression and Gene Expression in Lung Cancer. PLoS ONE, 2012, 7, e43441.	1.1	18
5349	microRNA-222 Targeting PTEN Promotes Neurite Outgrowth from Adult Dorsal Root Ganglion Neurons following Sciatic Nerve Transection. PLoS ONE, 2012, 7, e44768.	1.1	91
5350	Systematic Analysis of microRNA Targeting Impacted by Small Insertions and Deletions in Human Genome. PLoS ONE, 2012, 7, e46176.	1.1	18

#	Article	IF	CITATIONS
5351	Dynamics of Regulatory Networks in the Developing Mouse Retina. PLoS ONE, 2012, 7, e46521.	1.1	9
5352	Integration of SNP and mRNA Arrays with MicroRNA Profiling Reveals That MiR-370 Is Upregulated and Targets NF1 in Acute Myeloid Leukemia. PLoS ONE, 2012, 7, e47717.	1.1	36
5353	Prediction of Altered 3′- UTR miRNA-Binding Sites from RNA-Seq Data: The Swine Leukocyte Antigen Complex (SLA) as a Model Region. PLoS ONE, 2012, 7, e48607.	1.1	15
5354	MicroRNAs Differentially Regulate Carbonyl Reductase 1 (CBR1) Gene Expression Dependent on the Allele Status of the Common Polymorphic Variant rs9024. PLoS ONE, 2012, 7, e48622.	1.1	17
5355	Validation of Expression Patterns for Nine miRNAs in 204 Lymph-Node Negative Breast Cancers. PLoS ONE, 2012, 7, e48692.	1.1	50
5356	The Expression Levels of MicroRNA-361-5p and Its Target VEGFA Are Inversely Correlated in Human Cutaneous Squamous Cell Carcinoma. PLoS ONE, 2012, 7, e49568.	1.1	74
5357	CD95 Is Part of a Let-7/p53/miR-34 Regulatory Network. PLoS ONE, 2012, 7, e49636.	1.1	32
5358	Urinary MicroRNA Profiling in the Nephropathy of Type 1 Diabetes. PLoS ONE, 2013, 8, e54662.	1.1	139
5359	Novel Pancreatic Endocrine Maturation Pathways Identified by Genomic Profiling and Causal Reasoning. PLoS ONE, 2013, 8, e56024.	1.1	14
5360	Genistein Up-Regulates Tumor Suppressor MicroRNA-574-3p in Prostate Cancer. PLoS ONE, 2013, 8, e58929.	1.1	144
5361	miRNA Biogenesis Enzyme Drosha Is Required for Vascular Smooth Muscle Cell Survival. PLoS ONE, 2013, 8, e60888.	1.1	31
5362	MicroRNA-449a Enhances Radiosensitivity in CL1-0 Lung Adenocarcinoma Cells. PLoS ONE, 2013, 8, e62383.	1.1	40
5363	A New Algorithm for Integrated Analysis of miRNA-mRNA Interactions Based on Individual Classification Reveals Insights into Bladder Cancer. PLoS ONE, 2013, 8, e64543.	1.1	33
5364	miReader: Discovering Novel miRNAs in Species without Sequenced Genome. PLoS ONE, 2013, 8, e66857.	1.1	37
5365	miR-1915 and miR-1225-5p Regulate the Expression of CD133, PAX2 and TLR2 in Adult Renal Progenitor Cells. PLoS ONE, 2013, 8, e68296.	1.1	46
5366	Chronic Administration of Proanthocyanidins or Docosahexaenoic Acid Reversess the Increase of miR-33a and miR-122 in Dyslipidemic Obese Rats. PLoS ONE, 2013, 8, e69817.	1.1	69
5367	MicroRNA-34a Mediates the Autocrine Signaling of PAR2-Activating Proteinase and Its Role in Colonic Cancer Cell Proliferation. PLoS ONE, 2013, 8, e72383.	1.1	37
5368	Acute Stress Alters Amygdala microRNA miR-135a and miR-124 Expression: Inferences for Corticosteroid Dependent Stress Response. PLoS ONE, 2013, 8, e73385.	1.1	72

#	Article	IF	CITATIONS
5369	MicroRNA Profiling in Prostate Cancer - The Diagnostic Potential of Urinary miR-205 and miR-214. PLoS ONE, 2013, 8, e76994.	1.1	149
5370	Hormonal Regulation of MicroRNA Expression in Steroid Producing Cells of the Ovary, Testis and Adrenal Gland. PLoS ONE, 2013, 8, e78040.	1.1	62
5371	A Cross-Platform Comparison of Affymetrix and Agilent Microarrays Reveals Discordant miRNA Expression in Lung Tumors of c-Raf Transgenic Mice. PLoS ONE, 2013, 8, e78870.	1.1	43
5372	Inferring the Perturbed microRNA Regulatory Networks in Cancer Using Hierarchical Gene Co-Expression Signatures. PLoS ONE, 2013, 8, e81032.	1.1	9
5373	Structural Analysis of microRNA-Target Interaction by Sequential Seed Mutagenesis and Stem-Loop 3' RACE. PLoS ONE, 2013, 8, e81427.	1.1	5
5374	PKCε Signalling Activates ERK1/2, and Regulates Aggrecan, ADAMTS5, and miR377 Gene Expression in Human Nucleus Pulposus Cells. PLoS ONE, 2013, 8, e82045.	1.1	34
5375	Global Assessment of Antrodia cinnamomea-Induced MicroRNA Alterations in Hepatocarcinoma Cells. PLoS ONE, 2013, 8, e82751.	1.1	10
5376	A Coregulatory Network of NR2F1 and microRNA-140. PLoS ONE, 2013, 8, e83358.	1.1	11
5377	UVA and UVB Irradiation Differentially Regulate microRNA Expression in Human Primary Keratinocytes. PLoS ONE, 2013, 8, e83392.	1.1	47
5378	Analysis of Novel NEFL mRNA Targeting microRNAs in Amyotrophic Lateral Sclerosis. PLoS ONE, 2014, 9, e85653.	1.1	39
5379	Multiple Tumor Suppressor microRNAs Regulate Telomerase and TCF7, an Important Transcriptional Regulator of the Wnt Pathway. PLoS ONE, 2014, 9, e86990.	1.1	64
5380	The Identification and Characteristics of Immune-Related MicroRNAs in Haemocytes of Oyster Crassostrea gigas. PLoS ONE, 2014, 9, e88397.	1.1	58
5381	Characterisation of Genetic Variation in ST8SIA2 and Its Interaction Region in NCAM1 in Patients with Bipolar Disorder. PLoS ONE, 2014, 9, e92556.	1.1	28
5382	Concordant Changes of Plasma and Kidney MicroRNA in the Early Stages of Acute Kidney Injury: Time Course in a Mouse Model of Bilateral Renal Ischemia-Reperfusion. PLoS ONE, 2014, 9, e93297.	1.1	40
5383	Impact of miRNA Sequence on miRNA Expression and Correlation between miRNA Expression and Cell Cycle Regulation in Breast Cancer Cells. PLoS ONE, 2014, 9, e95205.	1.1	5
5384	Investigating microRNA-Target Interaction-Supported Tissues in Human Cancer Tissues Based on miRNA and Target Gene Expression Profiling. PLoS ONE, 2014, 9, e95697.	1.1	18
5385	Mechanical Stretch Suppresses microRNA-145 Expression by Activating Extracellular Signal-Regulated Kinase 1/2 and Upregulating Angiotensin-Converting Enzyme to Alter Vascular Smooth Muscle Cell Phenotype. PLoS ONE, 2014, 9, e96338.	1.1	62
5386	Dysregulated microRNA Clusters in Response to Retinoic Acid and CYP26B1 Inhibitor Induced Testicular Function in Dogs. PLoS ONE, 2014, 9, e99433.	1.1	27

#	Article	IF	CITATIONS
5387	Alterations in Circulating miRNA Levels following Early-Stage Estrogen Receptor-Positive Breast Cancer Resection in Post-Menopausal Women. PLoS ONE, 2014, 9, e101950.	1.1	26
5388	A Tri-Component Conservation Strategy Reveals Highly Confident MicroRNA-mRNA Interactions and Evolution of MicroRNA Regulatory Networks. PLoS ONE, 2014, 9, e103142.	1.1	3
5389	A MicroRNA Network Dysregulated in Asthma Controls IL-6 Production in Bronchial Epithelial Cells. PLoS ONE, 2014, 9, e111659.	1.1	64
5390	Distinct microRNA Expression Profiles in Mouse Renal Cortical Tissue after 177Lu-octreotate Administration. PLoS ONE, 2014, 9, e112645.	1.1	5
5391	The Porcine MicroRNA Transcriptome Response to Transmissible Gastroenteritis Virus Infection. PLoS ONE, 2015, 10, e0120377.	1.1	16
5392	Population Genomic Analysis of 962 Whole Genome Sequences of Humans Reveals Natural Selection in Non-Coding Regions. PLoS ONE, 2015, 10, e0121644.	1.1	13
5393	MicroRNA-135b Regulates Leucine Zipper Tumor Suppressor 1 in Cutaneous Squamous Cell Carcinoma. PLoS ONE, 2015, 10, e0125412.	1.1	23
5394	Deregulation of the MiR-193b-KRAS Axis Contributes to Impaired Cell Growth in Pancreatic Cancer. PLoS ONE, 2015, 10, e0125515.	1.1	41
5395	Analysis of Glioblastoma Patients' Plasma Revealed the Presence of MicroRNAs with a Prognostic Impact on Survival and Those of Viral Origin. PLoS ONE, 2015, 10, e0125791.	1.1	26
5396	MicroRNA Expression Profile in Bovine Granulosa Cells of Preovulatory Dominant and Subordinate Follicles during the Late Follicular Phase of the Estrous Cycle. PLoS ONE, 2015, 10, e0125912.	1.1	93
5397	A Pilot Study Identifying a Set of microRNAs As Precise Diagnostic Biomarkers of Acute Kidney Injury. PLoS ONE, 2015, 10, e0127175.	1.1	105
5398	Micro-RNAs Let7e and 126 in Plasma as Markers of Metabolic Dysfunction in 10 to 12 Years Old Children. PLoS ONE, 2015, 10, e0128140.	1.1	30
5399	The Identification of Circulating MiRNA in Bovine Serum and Their Potential as Novel Biomarkers of Early Mycobacterium avium subsp paratuberculosis Infection. PLoS ONE, 2015, 10, e0134310.	1.1	57
5400	The Axl-Regulating Tumor Suppressor miR-34a Is Increased in ccRCC but Does Not Correlate with Axl mRNA or Axl Protein Levels. PLoS ONE, 2015, 10, e0135991.	1.1	18
5401	Discovery of a Novel Immune Gene Signature with Profound Prognostic Value in Colorectal Cancer: A Model of Cooperativity Disorientation Created in the Process from Development to Cancer. PLoS ONE, 2015, 10, e0137171.	1.1	33
5402	Cross Platform Standardisation of an Experimental Pipeline for Use in the Identification of Dysregulated Human Circulating MiRNAs. PLoS ONE, 2015, 10, e0137389.	1.1	7
5403	Comparative Characterization of Cardiac Development Specific microRNAs: Fetal Regulators for Future. PLoS ONE, 2015, 10, e0139359.	1.1	11
5404	Extremely Low-Frequency Electromagnetic Fields Affect the miRNA-Mediated Regulation of Signaling Pathways in the GC-2 Cell Line. PLoS ONE, 2015, 10, e0139949.	1.1	22

#	Article	IF	CITATIONS
5405	Food Deprivation Affects the miRNome in the Lactating Goat Mammary Gland. PLoS ONE, 2015, 10, e0140111.	1.1	31
5406	GTPase Activating Protein (Sh3 Domain) Binding Protein 1 Regulates the Processing of MicroRNA-1 during Cardiac Hypertrophy. PLoS ONE, 2015, 10, e0145112.	1.1	25
5407	Inhibition of Autoimmune Diabetes in NOD Mice by miRNA Therapy. PLoS ONE, 2015, 10, e0145179.	1.1	7
5408	High Throughput qPCR Expression Profiling of Circulating MicroRNAs Reveals Minimal Sex- and Sample Timing-Related Variation in Plasma of Healthy Volunteers. PLoS ONE, 2015, 10, e0145316.	1.1	29
5409	miTALOS v2: Analyzing Tissue Specific microRNA Function. PLoS ONE, 2016, 11, e0151771.	1.1	60
5410	Integrated Strategy Improves the Prediction Accuracy of miRNA in Large Dataset. PLoS ONE, 2016, 11, e0168392.	1.1	9
5411	A unique microRNA profile in end-stage heart failure indicates alterations in specific cardiovascular signaling networks. PLoS ONE, 2017, 12, e0170456.	1.1	26
5412	MicroRNAs regulating cluster of differentiation 46 (CD46) in cardioembolic and non-cardioembolic stroke. PLoS ONE, 2017, 12, e0172131.	1.1	12
5413	Genome-wide mapping of histone H3K9me2 in acute myeloid leukemia reveals large chromosomal domains associated with massive gene silencing and sites of genome instability. PLoS ONE, 2017, 12, e0173723.	1.1	29
5414	Evolution of microRNA in primates. PLoS ONE, 2017, 12, e0176596.	1.1	34
5415	E2F1 somatic mutation within miRNA target site impairs gene regulation in colorectal cancer. PLoS ONE, 2017, 12, e0181153.	1.1	18
5416	Circulating miRNAs in sepsisâ€"A network under attack: An in-silico prediction of the potential existence of miRNA sponges in sepsis. PLoS ONE, 2017, 12, e0183334.	1.1	31
5417	Identification of transforming growth factor-beta-regulated microRNAs and the microRNA-targetomes in primary lung fibroblasts. PLoS ONE, 2017, 12, e0183815.	1.1	34
5418	Inhibition of miR-142-5P ameliorates disease in mouse models of experimental colitis. PLoS ONE, 2017, 12, e0185097.	1.1	16
5419	A small molecule drug promoting miRNA processing induces alternative splicing of MdmX transcript and rescues p53 activity in human cancer cells overexpressing MdmX protein. PLoS ONE, 2017, 12, e0185801.	1.1	18
5420	Long-term ethanol exposure: Temporal pattern of microRNA expression and associated mRNA gene networks in mouse brain. PLoS ONE, 2018, 13, e0190841.	1.1	32
5421	Analysis of host microRNA function uncovers a role for miR-29b-2-5p in Shigella capture by filopodia. PLoS Pathogens, 2017, 13, e1006327.	2.1	20
5422	An innovative approach to predict immune-associated genes mutually targeted by cow and human milk microRNAs expression profiles. Veterinary World, 2018, 11, 1203-1209.	0.7	6

#	Article	IF	CITATIONS
5423	Micro RNAs- A Review. Journal of Evolution of Medical and Dental Sciences, 2019, 8, 2918-2923.	0.1	3
5424	MicroRNA: New Era for Therapeutic Strategy in Ischaemic Heart Disease. Journal of Hypertension and Cardiology, 2017, 2, 12-23.	1.0	1
5425	MicroRNA Target Recognition: Insights from Transcriptome-Wide Non-Canonical Interactions. Molecules and Cells, 2016, 39, 375-381.	1.0	128
5426	Effects of Mesenchymal Stem Cell Derivatives on Hematopoiesis and Hematopoietic Stem Cells. Advanced Pharmaceutical Bulletin, 2017, 7, 165-177.	0.6	40
5427	Data integration of 104 studies related with microRNA epigenetics revealed that miR-34 gene family is silenced by DNA methylation in the highest number of cancer types. Discoveries, 2014, 2, e18.	1.5	9
5428	The Biological Functions of Non-coding RNAs: From a Line to a Circle. Discoveries, 2015, 3, e48.	1.5	8
5429	Bacterial RNA as a signal to eukaryotic cells as part of the infection process. Discoveries, 2016, 4, e70.	1.5	8
5430	microRNA regulators of apoptosis in cancer. Discoveries, 2016, 4, e57.	1.5	4
5431	Differential Stability of miR-9-5p and miR-9-3p in the Brain Is Determined by Their Unique <i>Cis</i> and <i>Trans</i> -Acting Elements. ENeuro, 2020, 7, ENEURO.0094-20.2020.	0.9	13
5432	Screening for mutations in selected miRNA genes in hypogonadotropic hypogonadism patients. Endocrine Connections, 2019, 8, 506-509.	0.8	3
5433	Interplay between the androgen receptor signaling axis and microRNAs in prostate cancer. Endocrine-Related Cancer, 2019, 26, R237-R257.	1.6	20
5434	The miRNAs miR-211-5p and miR-204-5p modulate ER stress in human beta cells. Journal of Molecular Endocrinology, 2019, 63, 139-149.	1.1	29
5435	The role of miRNAs in regulating adrenal and gonadal steroidogenesis. Journal of Molecular Endocrinology, 2020, 64, R21-R43.	1.1	30
5436	Circ-Tulp4 promotes \hat{l}^2 -cell adaptation to lipotoxicity by regulating soat1 expression. Journal of Molecular Endocrinology, 2020, 65, 149-161.	1.1	21
5437	Milk exosomes and miRNA cross the placenta and promote embryo survival in mice. Reproduction, 2020, 160, 501-509.	1.1	34
5438	Helicobacter pylori Induces Hypermethylation of CpG Islands Through Upregulation of DNA Methyltransferase: Possible Involvement of Reactive Oxygen/Nitrogen Species. Journal of Cancer Prevention, 2014, 19, 259-264.	0.8	19
5440	MicroRNAs in heart transplant recipients. Vestnik Transplantologii I Iskusstvennykh Organov, 2017, 19, 126-132.	0.1	2
5441	Investigation of regenerative and tiss ue-specific activity of tot al RNA of bone marrow cells. Vestnik Transplantologii I Iskusstvennykh Organov, 2018, 20, 64-69.	0.1	2

#	Article	IF	CITATIONS
5442	The comparative analysis of the effectiveness of stimulation of liver regeneration by bone marrow cells and total RNA of these cells. Vestnik Transplantologii I Iskusstvennykh Organov, 2019, 21, 113-121.	0.1	7
5443	Upregulation of miR-129-5p increases the sensitivity to Taxol through inhibiting HMGB1-mediated cell autophagy in breast cancer MCF-7 cells. Brazilian Journal of Medical and Biological Research, 2019, 52, e8657.	0.7	29
5444	Role of miRNA-182 and miRNA-187 as potential biomarkers in prostate cancer and its correlation with the staging of prostate cancer. International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2020, 46, 614-623.	0.7	26
5445	MicroRNAs in Bladder Cancer: Expression Profiles, Biological Functions, Regulation, and Clinical Implications. Critical Reviews in Eukaryotic Gene Expression, 2014, 24, 55-75.	0.4	18
5446	Characterisation of the circular RNA landscape in mesenchymal stem cells from psoriatic skin lesions. European Journal of Dermatology, 2019, 29, 29-38.	0.3	22
5447	Experimental procedures to identify and validate specific mRNA targets of miRNAs. EXCLI Journal, 2015, 14, 758-90.	0.5	20
5448	Regulatory RNAs controlling vascular (dys)function by affecting TGF-ß family signalling. EXCLI Journal, 2015, 14, 832-50.	0.5	8
5449	MiR-429 suppresses the progression and metastasis of osteosarcoma by targeting ZEB1. EXCLI Journal, 2017, 16, 618-627.	0.5	20
5450	Tumor suppressive effects of the pleiotropically acting miR-195 in colorectal cancer cells. EXCLI Journal, 2019, 18, 243-252.	0.5	8
5451	Serum miR-21 and miR-210 as promising non-invasive biomarkers for the diagnosis and prognosis of colorectal cancer. Revista Espanola De Enfermedades Digestivas, 2020, 112, 832-837.	0.1	9
5452	MicroRNAs: Recent insights towards their role in male infertility and reproductive cancers. Bosnian Journal of Basic Medical Sciences, 2019, 19, 31-42.	0.6	32
5453	Role of microRNAs in neuroendocrine neoplasms of the stomach. Uspehi Molekularnoj Onkologii, 2020, 7, 19-26.	0.1	1
5454	Identification of microRNAs dysregulated in cellular senescence driven by endogenous genotoxic stress. Aging, 2013, 5, 460-473.	1.4	42
5455	MiR-124 sensitizes cisplatin-induced cytotoxicity against CD133+ hepatocellular carcinoma cells by targeting SIRT1/ROS/JNK pathway. Aging, 2019, 11, 2551-2564.	1.4	17
5456	circFADS2 protects LPS-treated chondrocytes from apoptosis acting as an interceptor of miR-498/mTOR cross-talking. Aging, 2019, 11, 3348-3361.	1.4	30
5457	Circular RNA CircCCNB1 sponges micro RNA-449a to inhibit cellular senescence by targeting CCNE2. Aging, 2019, 11, 10220-10241.	1.4	26
5458	MicroRNA-124 inhibits macrophage cell apoptosis via targeting p38/MAPK signaling pathway in atherosclerosis development. Aging, 2020, 12, 13005-13022.	1.4	21
5459	Circular RNA-9119 suppresses in ovarian cancer cell viability via targeting the microRNA-21-5p–PTEN–Akt pathway. Aging, 2020, 12, 14314-14328.	1.4	23

#	Article	IF	Citations
5460	Higher expression of cell division cycle-associated protein 5 predicts poorer survival outcomes in hepatocellular carcinoma. Aging, 2020, 12, 14542-14555.	1.4	7
5461	Gonadal white adipose tissue-derived exosomal MiR-222 promotes obesity-associated insulin resistance. Aging, 2020, 12, 22719-22743.	1.4	28
5462	SPARC overexpression alters microRNA expression profiles involved in tumor progression. Genes and Cancer, 2017, 8, 453-471.	0.6	8
5463	microRNAs: short non-coding bullets of gain of function mutant p53 proteins. Oncoscience, 2014, 1, 427-433.	0.9	17
5464	The â€~melanoma-enriched' microRNA miR-4731-5p acts as a tumour suppressor. Oncotarget, 2016, 7, 49677-49687.	0.8	21
5465	miR-130b, an onco-miRNA in bladder cancer, is directly regulated by NF-κB and sustains NF-κB activation by decreasing Cylindromatosis expression. Oncotarget, 2016, 7, 48547-48561.	0.8	36
5466	Acquisition of an oncogenic fusion protein serves as an initial driving mutation by inducing aneuploidy and overriding proliferative defects. Oncotarget, 2016, 7, 62814-62835.	0.8	5
5467	MicroRNA-140-5p targets insulin like growth factor 2 mRNA binding protein 1 (IGF2BP1) to suppress cervical cancer growth and metastasis. Oncotarget, 2016, 7, 68397-68411.	0.8	46
5468	Novel tumor suppressor microRNA at frequently deleted chromosomal region 8p21 regulates Epidermal Growth Factor Receptor in prostate cancer. Oncotarget, 2016, 7, 70388-70403.	0.8	15
5469	Role of Dicer as a prognostic predictor for survival in cancer patients: a systematic review with a meta-analysis. Oncotarget, 2016, 7, 72672-72684.	0.8	11
5470	Dysregulated expression of microRNAs and mRNAs in pulmonary artery remodeling in ascites syndrome in broiler chickens. Oncotarget, 2017, 8, 1993-2007.	0.8	23
5471	Ultraviolet radiation-induced differential microRNA expression in the skin of hairless SKH1 mice, a widely used mouse model for dermatology research. Oncotarget, 2016, 7, 84924-84937.	0.8	12
5472	Association between miR-199a rs74723057 and MET rs1621 polymorphisms and the risk of hepatocellular carcinoma. Oncotarget, 2016, 7, 79365-79371.	0.8	10
5473	Investigation on tissue specific effects of pro-apoptotic micro RNAs revealed miR-147b as a potential biomarker in ovarian cancer prognosis. Oncotarget, 2017, 8, 18773-18791.	0.8	22
5474	Discovery and replication of microRNAs for breast cancer risk using genome-wide profiling. Oncotarget, 2016, 7, 86457-86468.	0.8	21
5475	Dysregulated miR34a/diacylglycerol kinase \hat{I}^q interaction enhances T-cell activation in acquired aplastic anemia. Oncotarget, 2017, 8, 6142-6154.	0.8	20
5476	Cell-free methylation markers with diagnostic and prognostic potential in hepatocellular carcinoma. Oncotarget, 2017, 8, 6406-6418.	0.8	45
5477	The role of miR-24 as a race related genetic factor in prostate cancer. Oncotarget, 2017, 8, 16581-16593.	0.8	21

#	Article	IF	CITATIONS
5478	Long non-coding RNA PTENP1 functions as a ceRNA to modulate PTEN level by decoying miR-106b and miR-93 in gastric cancer. Oncotarget, 2017, 8, 26079-26089.	0.8	113
5479	MicroRNAs of the <i>mir-17~92 < /i> cluster regulate multiple aspects of pancreatic tumor development and progression. Oncotarget, 2017, 8, 35902-35918.</i>	0.8	24
5480	Deep sequencing-based microRNA expression signatures in head and neck squamous cell carcinoma: dual strands of pre- <i>miR</i> -150 as antitumor miRNAs. Oncotarget, 2017, 8, 30288-30304.	0.8	62
5481	Next-generation sequencing reveals microRNA markers of adrenocortical tumors malignancy. Oncotarget, 2017, 8, 49191-49200.	0.8	34
5482	miR-133b down-regulates ABCC1 and enhances the sensitivity of CRC to anti-tumor drugs. Oncotarget, 2017, 8, 52983-52994.	0.8	31
5483	MiR-23a targets RUNX2 and suppresses ginsenoside Rg1-induced angiogenesis in endothelial cells. Oncotarget, 2017, 8, 58072-58085.	0.8	18
5484	Circular RNAs promote TRPM3 expression by inhibiting hsa-miR-130a-3p in coronary artery disease patients. Oncotarget, 2017, 8, 60280-60290.	0.8	73
5485	RUNX1 promote invasiveness in pancreatic ductal adenocarcinoma through regulating miR-93. Oncotarget, 2017, 8, 99567-99579.	0.8	22
5486	Harnessing the heart's resistance to malignant tumors: cardiac-derived extracellular vesicles decrease fibrosarcoma growth and leukemia-related mortality in rodents. Oncotarget, 2017, 8, 99624-99636.	0.8	12
5487	Differential expression of microRNA let-7b-5p regulates burn-induced hyperglycemia. Oncotarget, 2017, 8, 72886-72892.	0.8	5
5488	The association between polymorphisms in microRNA genes and cervical cancer in a Chinese Han population. Oncotarget, 2017, 8, 87914-87927.	0.8	15
5489	MicroRNA-370 inhibits the growth and metastasis of lung cancer by down-regulating epidermal growth factor receptor expression. Oncotarget, 2017, 8, 88139-88151.	0.8	19
5490	MicroRNA-126a-5p enhances myocardial ischemia-reperfusion injury through suppressing Hspb8 expression. Oncotarget, 2017, 8, 94172-94187.	0.8	12
5491	MicroRNA-21 inhibits mitochondria-mediated apoptosis in keloid. Oncotarget, 2017, 8, 92914-92925.	0.8	26
5492	Altered microRNA profiles during early colon adenoma progression in a porcine model of familial adenomatous polyposis. Oncotarget, 2017, 8, 96154-96160.	0.8	13
5493	Characterization of miRNA and their target gene during chicken embryo skeletal muscle development. Oncotarget, 2018, 9, 17309-17324.	0.8	33
5494	MicroRNA-95 promotes myogenic differentiation by down-regulation of aminoacyl-tRNA synthase complex-interacting multifunctional protein 2. Oncotarget, 2017, 8, 111356-111368.	0.8	9
5495	Selective targeting of KRAS-Mutant cells by miR-126 through repression of multiple genes essential for the survival of KRAS-Mutant cells. Oncotarget, 2014, 5, 7635-7650.	0.8	21

#	Article	IF	CITATIONS
5496	The miR-17-92 cluster/QKI2/ \hat{I}^2 -catenin axis promotes osteosarcoma progression. Oncotarget, 2018, 9, 25285-25293.	0.8	5
5497	MiR-29b reverses oxaliplatin-resistance in colorectal cancer by targeting SIRT1. Oncotarget, 2018, 9, 12304-12315.	0.8	26
5498	Serum microRNAs as predictors of risk for non-muscle invasive bladder cancer. Oncotarget, 2018, 9, 14895-14908.	0.8	11
5499	Extracellular vesicle-encapsulated miR-30e suppresses cholangiocarcinoma cell invasion and migration via inhibiting epithelial-mesenchymal transition. Oncotarget, 2018, 9, 16400-16417.	0.8	34
5500	Identification of core aberrantly expressed microRNAs in serous ovarian carcinoma. Oncotarget, 2018, 9, 20451-20466.	0.8	22
5501	A three-step approach identifies novel shear stress-sensitive endothelial microRNAs involved in vasculoprotective effects of high-intensity interval training (HIIT). Oncotarget, 2019, 10, 3625-3640.	0.8	14
5502	Tumor microRNA profile and prognostic value for lymph node metastasis in oral squamous cell carcinoma patients. Oncotarget, 2020, 11, 2204-2215.	0.8	8
5503	MicroRNA-135b, a HSF1 target, promotes tumor invasion and metastasis by regulating RECK and EVI5 in hepatocellular carcinoma. Oncotarget, 2015, 6, 2421-2433.	0.8	64
5504	MicroRNA-10b inhibition reduces E2F1-mediated transcription and miR-15/16 activity in glioblastoma. Oncotarget, 2015, 6, 3770-3783.	0.8	42
5505	The microRNA feedback regulation of p63 in cancer progression. Oncotarget, 2015, 6, 8434-8453.	0.8	33
5506	The microRNA-200 family: small molecules with novel roles in cancer development, progression and therapy. Oncotarget, 2015, 6, 6472-6498.	0.8	282
5507	A suppressive role of ionizing radiation-responsive miR-29c in the development of liver carcinoma via targeting <i>WIP1</i> . Oncotarget, 2015, 6, 9937-9950.	0.8	27
5508	miR-1236 down-regulates alpha-fetoprotein, thus causing PTEN accumulation, which inhibits the PI3K/Akt pathway and malignant phenotype in hepatoma cells. Oncotarget, 2015, 6, 6014-6028.	0.8	47
5509	miR-221/222 induces pancreatic cancer progression through the regulation of matrix metalloproteinases. Oncotarget, 2015, 6, 14153-14164.	0.8	76
5510	Tumor suppressive microRNA-137 negatively regulates Musashi-1 and colorectal cancer progression. Oncotarget, 2015, 6, 12558-12573.	0.8	65
5511	Identification of epidermal growth factor receptor and its inhibitory microRNA141 as novel targets of Krýppel-like factor 8 in breast cancer. Oncotarget, 2015, 6, 21428-21442.	0.8	21
5512	miR-620 promotes tumor radioresistance by targeting 15-hydroxyprostaglandin dehydrogenase (HPGD). Oncotarget, 2015, 6, 22439-22451.	0.8	29
5513	Reactivating p53 functions by suppressing its novel inhibitor iASPP: a potential therapeutic opportunity in p53 wild-type tumors. Oncotarget, 2015, 6, 19968-19975.	0.8	23

#	Article	IF	CITATIONS
5514	miRNAs in multiple myeloma - a survival relevant complex regulator of gene expression. Oncotarget, 2015, 6, 39165-39183.	0.8	40
5515	Prolonged ovarian hormone deprivation alters the effects of $17\hat{l}^2$ -estradiol on microRNA expression in the aged female rat hypothalamus. Oncotarget, 2015, 6, 36965-36983.	0.8	21
5516	miRNA interventions serve as â€~magic bullets' in the reversal of glioblastoma hallmarks. Oncotarget, 2015, 6, 38628-38642.	0.8	38
5517	MiR-630 suppresses breast cancer progression by targeting metadherin. Oncotarget, 2016, 7, 1288-1299.	0.8	46
5518	Circulating microRNA-based screening tool for breast cancer. Oncotarget, 2016, 7, 5416-5428.	0.8	66
5519	<i>Cis</i> -acting elements in its 3′ UTR mediate post-transcriptional regulation of <i>KRAS</i> . Oncotarget, 2016, 7, 11770-11784.	0.8	9
5520	Dicer suppresses the malignant phenotype in VHL-deficient clear cell renal cell carcinoma by inhibiting HIF-2α. Oncotarget, 2016, 7, 18280-18294.	0.8	19
5521	In Vitro and in Vivo Anti-tumor Activity of miR-221/222 Inhibitors in Multiple Myeloma. Oncotarget, 2013, 4, 242-255.	0.8	125
5522	Glucocorticoid receptor beta increases migration of human bladder cancer cells. Oncotarget, 2016, 7, 27313-27324.	0.8	38
5523	miR-133b inhibits glioma cell proliferation and invasion by targeting Sirt1. Oncotarget, 2016, 7, 36247-36254.	0.8	34
5524	PIK3C2A mRNA functions as a miR-124 sponge to facilitate CD151 expression and enhance malignancy of hepatocellular carcinoma cells. Oncotarget, 2016, 7, 43376-43389.	0.8	15
5525	Circulating miRNAs as Predictor Markers for Activation of Hepatic Stellate Cells and Progression of HCV-Induced Liver Fibrosis. Electronic Physician, 2016, 8, 1804-1810.	0.2	23
5527	Inâ€'silico identification of cardiovascular diseaseâ€'related SNPs affecting predicted microRNA target sites. Polish Archives of Internal Medicine, 2013, 123, 355-369.	0.3	6
5528	The role of exosomal microRNAs; focus on clinical applications in breast cancer., 2019, 2, 847-861.		3
5529	Nutritional genomics, inflammation and obesity. Archives of Endocrinology and Metabolism, 2020, 64, 205-222.	0.3	16
5531	Prospective and therapeutic screening value of non-coding RNA as biomarkers in cardiovascular disease. Annals of Translational Medicine, 2016, 4, 236-236.	0.7	57
5532	MicroRNAs as biomarkers of acute lung injury. Annals of Translational Medicine, 2018, 6, 34-34.	0.7	67
5533	Non-coding RNAs: the riddle of the transcriptome and their perspectives in cancer. Annals of Translational Medicine, 2018, 6, 241-241.	0.7	90

#	Article	IF	CITATIONS
5534	miR-155 modulates fatty acid accumulation by targeting $C/EBP\hat{I}^2$ in free fatty acid-induced steatosis in HepG2 cells. Non-coding RNA Investigation, 0, 3, 10-10.	0.6	1
5535	Characterization of microRNA expression profiles by deep sequencing of small RNA libraries in leukemia patients from Naxi ethnic. Translational Cancer Research, 2019, 8, 160-169.	0.4	3
5536	Circulating Biomarkers in Pulmonary Arterial Hypertension. Advances in Pulmonary Hypertension, 2015, 14, 21-27.	0.1	2
5537	MicroRNAs in Atrial Fibrillation. Current Medicinal Chemistry, 2019, 26, 855-863.	1.2	18
5538	Epigenetic Mechanism Involved in the HBV/HCV-Related Hepatocellular Carcinoma Tumorigenesis. Current Pharmaceutical Design, 2014, 20, 1715-1725.	0.9	63
5539	Cellular Stress and General Pathological Processes. Current Pharmaceutical Design, 2019, 25, 251-297.	0.9	27
5540	Expanding the Biotherapeutics Realm via miR-34a: "Potent Clever Little―Agent in Breast Cancer Therapy. Current Pharmaceutical Biotechnology, 2019, 20, 665-673.	0.9	6
5541	Do Epigenetic Marks Govern Bone Mass and Homeostasis?. Current Genomics, 2012, 13, 252-263.	0.7	38
5542	The Role of miRNAs in Cartilage Homeostasis. Current Genomics, 2015, 16, 393-404.	0.7	19
5543	A Comprehensive Review on the Genetic Regulation of Cisplatin-induced Nephrotoxicity. Current Genomics, 2016, 17, 279-293.	0.7	27
5544	Electrochemical Nano-biosensors as Novel Approach for the Detection of Lung Cancer-related MicroRNAs. Current Molecular Medicine, 2019, 20, 13-35.	0.6	30
5545	Down-Regulation of Mir-107 Worsen Spatial Memory by Suppressing SYK Expression and Inactivating NF-ΚB Signaling Pathway. Current Alzheimer Research, 2019, 16, 135-145.	0.7	14
5546	Pharmacomodulation of microRNA Expression in Neurocognitive Diseases: Obstacles and Future Opportunities. Current Neuropharmacology, 2017, 15, 276-290.	1.4	20
5547	Comprehensive Overview and Assessment of microRNA Target Prediction Tools in Homo sapiens and Drosophila melanogaster. Current Bioinformatics, 2019, 14, 432-445.	0.7	8
5548	Determination of Dysregulated miRNA Expression Levels by qRT-PCR after the Application of Usnic Acid to Breast Cancer. Anti-Cancer Agents in Medicinal Chemistry, 2020, 20, 548-558.	0.9	7
5549	MicroRNAs: Newcomers into the ALS Picture. CNS and Neurological Disorders - Drug Targets, 2015, 14, 194-207.	0.8	35
5550	Noncoding RNAs and Intracerebral Hemorrhage. CNS and Neurological Disorders - Drug Targets, 2019, 18, 205-211.	0.8	18
5551	Translating Cancer Biomarker Discoveries to Clinical Tests: What should be Considered?. Recent Patents on Biomarkers, 2011, 1, 222-240.	0.3	5

#	Article	IF	CITATIONS
5552	Identification of Critical MicroRNA Gene Targets in Cervical Cancer Using Network Properties. MicroRNA (Shariqah, United Arab Emirates), 2014, 3, 37-44.	0.6	12
5553	MicroRNAs and Physical Activity. MicroRNA (Shariqah, United Arab Emirates), 2015, 4, 74-85.	0.6	30
5554	Arsenic-exposed Keratinocytes Exhibit Differential microRNAs Expression Profile; Potential Implication of miR-21, miR-200a and miR-141 in Melanoma Pathway. Clinical Cancer Drugs, 2015, 2, 138-147.	0.3	37
5555	Analysis of the miRNA Profiles of Melanoma Exosomes Derived Under Normoxic and Hypoxic Culture Conditions. Anticancer Research, 2017, 37, 6779-6789.	0.5	29
5556	Candidate MicroRNA Biomarkers of Therapeutic Response to Sunitinib in Metastatic Renal Cell Carcinoma: A Validation Study in Patients with Extremely Good and Poor Response. Anticancer Research, 2018, 38, 2961-2965.	0.5	11
5557	MiR-103 alleviates autophagy and apoptosis by regulating SOX2 in LPS-injured PC12 cells and SCI rats. Iranian Journal of Basic Medical Sciences, 2018, 21, 292-300.	1.0	25
5558	Role of Epigenetics in Biology and Human Diseases. Iranian Biomedical Journal, 2016, 20, 246-58.	0.4	116
5559	Class A Orphans (version 2019.5) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	8
5560	Angiotensin receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	2
5561	MicroRNAs are central to osteogenesis: a review with a focus on cardiovascular calcification. MicroRNA Diagnostics and Therapeutics, 2015, 1, .	0.0	1
5562	Small RNA-Seq reveals novel miRNAs shaping the transcriptomic identity of rat brain structures. Life Science Alliance, 2018, 1, e201800018.	1.3	6
5563	Pervasive allele-specific regulation on RNA decay in hybrid mice. Life Science Alliance, 2018, 1, e201800052.	1.3	10
5564	Up-Regulation of miR-21, miR-25, miR-93, and miR-106b in Gastric Cancer. Iranian Biomedical Journal, 2018, 22, 367-373.	0.4	27
5565	Temporal Expression MicroRNA-21 in Serum of Patients with Spinal Cord Injury., 2016,,.		1
5566	MicroRNA Isolation by Trizol-Based Method and Its Stability in Stored Serum and cDNA Derivatives. Asian Pacific Journal of Cancer Prevention, 2019, 20, 1641-1647.	0.5	28
5567	Relationship between rs6715345 Polymorphisms of MIR-375 Gene and rs4939827 of SMAD-7 Gene in Women with Breast Cancer and Healthy Women: A Case-Control Study. Asian Pacific Journal of Cancer Prevention, 2020, 21, 2479-2484.	0.5	3
5568	Transcriptional mechanisms of drug addiction. Dialogues in Clinical Neuroscience, 2019, 21, 379-387.	1.8	28
5569	Gender-Dependent Expression of Leading and Passenger Strand of miR-21 and miR-16 in Human Colorectal Cancer and Adjacent Colonic Tissues. Physiological Research, 2017, 66, S575-S582.	0.4	23

#	Article	IF	CITATIONS
5570	miR-29a is a Potential Protective Factor for Fibrogenesis in Gluteal Muscle Contracture. Physiological Research, 2020, 69, 467-479.	0.4	8
5571	The Profiling and Role of miRNAs in Diabetes Mellitus. , 2019, 1, 5-23.		39
5572	Interferon-Î ³ and Hypoxia Priming Have Limited Effect on the miRNA Landscape of Human Mesenchymal Stromal Cells-Derived Extracellular Vesicles. Frontiers in Cell and Developmental Biology, 2020, 8, 581436.	1.8	22
5573	DGCR8/miR-106 Axis Enhances Radiosensitivity of Head and Neck Squamous Cell Carcinomas by Downregulating RUNX3. Frontiers in Medicine, 2020, 7, 582097.	1.2	11
5574	Mechanisms governing the reactivation-dependent destabilization of memories and their role in extinction. Frontiers in Behavioral Neuroscience, 2013, 7, 214.	1.0	34
5575	Neuronal dark matter: the emerging role of microRNAs in neurodegeneration. Frontiers in Cellular Neuroscience, 2013, 7, 178.	1.8	167
5576	MicroRNA dysregulation in spinal cord injury: causes, consequences and therapeutics. Frontiers in Cellular Neuroscience, 2014, 8, 53.	1.8	107
5577	isomiRs–Hidden Soldiers in the miRNA Regulatory Army, and How to Find Them?. Biomolecules, 2021, 11, 41.	1.8	13
5578	Next-Generation Sequencing Approaches in Cancer: Where Have They Brought Us and Where Will They Take Us?. Cancers, 2015, 7, 1925-1958.	1.7	51
5579	The Role of microRNAs in Epithelial Ovarian Cancer Metastasis. International Journal of Molecular Sciences, 2020, 21, 7093.	1.8	29
5580	miRNA Targets: From Prediction Tools to Experimental Validation. Methods and Protocols, 2021, 4, 1.	0.9	101
5581	microRNAszA New Mechanisms for Regulation of Lipid Metabolism*. Progress in Biochemistry and Biophysics, 2011, 38, 781-790.	0.3	6
5582	MicroRNAs: New therapeutic targets for intestinal barrier dysfunction. World Journal of Gastroenterology, 2014, 20, 5818.	1.4	31
5583	Epigenetics and pancreatic cancer: Pathophysiology and novel treatment aspects. World Journal of Gastroenterology, 2014, 20, 7830.	1.4	83
5584	Complex interactions between microRNAs and hepatitis B/C viruses. World Journal of Gastroenterology, 2014, 20, 13477.	1.4	32
5585	Small RNAs – their biogenesis, regulation and function in embryonic stem cells. Stembook, 2009, , .	0.3	12
5586	miR‑29b enhances the proliferation and migration of bone marrow mesenchymal stem cells in rats with castration‑induced osteoporosis through the PI3K/AKT and TGFâ€Î²/Smad signaling pathways. Experimental and Therapeutic Medicine, 2020, 20, 3185-3195.	0.8	10
5587	MicroRNA‑140‑5p regulates the proliferation, apoptosis and inflammation of RA FLSs by repressing STAT3. Experimental and Therapeutic Medicine, 2020, 21, 171.	0.8	14

#	Article	IF	CITATIONS
5588	MicroRNA‑449a regulates the progression of brain aging by targeting SCN2B in SAMP8 mice. International Journal of Molecular Medicine, 2020, 45, 1091-1102.	1.8	11
5589	IncRNA NEAT1 regulates the proliferation and migration of hepatocellular carcinoma cells by acting as a miR‑320a molecular sponge and targeting L antigen family member 3. International Journal of Oncology, 2020, 57, 1001-1012.	1.4	9
5590	Reduced miR-26a and miR-26b expression contributes to the pathogenesis of osteoarthritis via the promotion of p65 translocation. Molecular Medicine Reports, 2017, 15, 551-558.	1.1	40
5591	MicroRNAâ€'206 exerts antiâ€'oncogenic functions in esophageal squamous cell carcinoma by suppressing the câ€'Met/AKT/mTOR pathway. Molecular Medicine Reports, 2019, 19, 1491-1500.	1.1	9
5592	MicroRNAâ€'30a controls the instability of inducible CD4+ Tregs through SOCS1. Molecular Medicine Reports, 2019, 20, 4303-4314.	1.1	5
5593	A novel plasma lncRNA ENST00000416361 is upregulated in coronary artery disease and is related to inflammation and lipid metabolism. Molecular Medicine Reports, 2020, 21, 2375-2384.	1.1	12
5594	MicroRNAâ€'21 serves an important role during PAOOâ€'facilitated orthodontic tooth movement. Molecular Medicine Reports, 2020, 22, 474-482.	1.1	8
5595	Prognostic value and prospective molecular mechanism of miR‑100‑5p in hepatocellular carcinoma: A comprehensive study based on 1,258 samples. Oncology Letters, 2019, 18, 6126-6142.	0.8	9
5596	Function of miR-200a in proliferation and apoptosis of non-small cell lung cancer cells. Oncology Letters, 2020, 20, 1256-1262.	0.8	10
5597	Tumor suppressor role of miR‑876‑5p in gastric cancer. Oncology Letters, 2020, 20, 1281-1287.	0.8	8
5598	MicroRNA‑150 suppresses p27 ^{Kip1} expression and promotes cell proliferation in HeLa human cervical cancer cells. Oncology Letters, 2020, 20, 1-1.	0.8	6
5599	Circulating microRNAs and their role in the immune response in tripleâ€'negative breast cancer (Review). Oncology Letters, 2020, 20, 1-1.	0.8	13
5600	Effect of letâ€'7c on the PI3K/Akt/FoxO signaling pathway in hepatocellular carcinoma. Oncology Letters, 2020, 21, 96.	0.8	24
5601	Integrative analysis of mRNA and miRNA expression profiles reveals seven potential diagnostic biomarkers for nonâ€'small cell lung cancer. Oncology Reports, 2020, 43, 99-112.	1.2	20
5602	Small RNA sequencing profiles of mir-181 and mir-221, the most relevant microRNAs in acute myeloid leukemia. Korean Journal of Internal Medicine, 2019, 34, 178-183.	0.7	16
5603	Viral and Host Strategies for Regulation of Latency and Reactivation in Equid Herpesviruses. Asian Journal of Animal and Veterinary Advances, 2015, 10, 669-689.	0.3	2
5604	Cryptosporidium-host Interaction Alters Regulation of OncomiRNAs and Tumor Suppressor miRNA Expression. Journal of Biological Sciences, 2019, 19, 272-279.	0.1	3
5605	A Tiny RNA Molecule with a Big Impact on Type 2 Diabetes Mellitus Susceptibility. Biomedical and Environmental Sciences, 2017, 30, 855-861.	0.2	5

#	ARTICLE	IF	Citations
5606	microRNAs and ceRNAs: RNA networks in pathogenesis of cancer. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2013, 25, 235-9.	0.7	63
5607	MiR-182 is up-regulated and targeting Cebpa in hepatocellular carcinoma. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2014, 26, 17-29.	0.7	36
5608	MicroRNAs in mesothelioma: from tumour suppressors and biomarkers to therapeutic targets. Journal of Thoracic Disease, 2015, 7, 1031-40.	0.6	39
5609	Hypoxamirs in Pulmonary Hypertension: Breathing New Life into Pulmonary Vascular Research. Cardiovascular Diagnosis and Therapy, 2012, 2, 200-212.	0.7	21
5610	microRNA-based diagnostics and therapy in cardiovascular disease-Summing up the facts. Cardiovascular Diagnosis and Therapy, 2015, 5, 17-36.	0.7	99
5611	The role of miRNAs in the regulation of inflammatory processes during hepatofibrogenesis. Hepatobiliary Surgery and Nutrition, 2015, 4, 24-33.	0.7	45
5612	Bioinformatics Methods for Studying MicroRNA and ARE-Mediated Regulation of Post-Transcriptional Gene Expression. International Journal of Knowledge Discovery in Bioinformatics, 2010, 1, 97-112.	0.8	4
5613	Expression of microRNA during bovine adipogenesis. Journal of Nucleic Acids Investigation, 2010, 1, 12.	0.5	2
5614	MicroRNAs - Biology and clinical applications. Journal of Oral and Maxillofacial Pathology, 2014, 18, 229.	0.3	112
5615	Plasma miRNA expression profile in the diagnosis of late-onset hypogonadism. Asian Journal of Andrology, 2016, 18, 713.	0.8	3
5616	Differential expression of microRNAs in dorsal root ganglia after sciatic nerve injury. Neural Regeneration Research, 2014, 9, 1031.	1.6	10
5617	The role of exosomes in peripheral nerve regeneration. Neural Regeneration Research, 2015, 10, 743.	1.6	51
5618	Challenges in microRNAs' targetome prediction and validation. Neural Regeneration Research, 2019, 14, 1672.	1.6	15
5619	The microRNAs: Small size, big value,, 2010, 1, 45.		1
5620	Mild therapeutic hypothermia protects against cerebral ischemia/reperfusion injury by inhibiting miR-15b expression in rats. Brain Circulation, 2017, 3, 219.	0.7	8
5621	Heparan sulfate D-glucosamine 3-O-sulfotransferase 3B1 is a novel regulator of transforming growth factor-beta-mediated epithelial-to-mesenchymal transition and regulated by miR-218 in nonsmall cell lung cancer. Journal of Cancer Research and Therapeutics, 2018, 14, 24-29.	0.3	15
5622	Gastric Carcinogenesis in the miR-222/221 Transgenic Mouse Model. Cancer Research and Treatment, 2017, 49, 150-160.	1.3	5
5623	MicroRNAs Profiling Reveals a Potential Link between the SDG8 Methyltransferase and Brassinosteroid-Regulated Gene Expression in Arabidopsis. Journal of Data Mining in Genomics & Proteomics, 2013, 04, .	0.5	2

#	Article	IF	CITATIONS
5624	Using microRNA as Biomarkers of Drug-Induced Liver Injury. Journal of Molecular Biomarkers $\&$ Diagnosis, $2011,02,.$	0.4	10
5625	Next generation sequencing for profiling expression of miRNAs: technical progress and applications in drug development. Journal of Biomedical Science and Engineering, 2011, 04, 666-676.	0.2	45
5626	Progress in Competing Endogenous RNA and Cancer. Journal of Cancer Therapy, 2015, 06, 622-630.	0.1	6
5627	Circulating miR-125b as a biomarker of Ewing's sarcoma in Chinese children. Genetics and Molecular Research, 2015, 14, 19049-19056.	0.3	22
5628	Hepatitis C virus infection, microRNA and liver disease progression. World Journal of Hepatology, 2013, 5, 479.	0.8	58
5629	MicroRNA-based Cancer Therapeutics: Big Hope from Small RNAs. Molecular and Cellular Pharmacology, 2010, 2, 213-219.	1.7	70
5630	MicroRNA sequences modulating inflammation and lipid accumulation in macrophage "foam―cells: Implications for atherosclerosis. World Journal of Cardiology, 2020, 12, 303-333.	0.5	10
5631	Diagnostic and prognostic value of circulating microRNAs in heart failure with preserved and reduced ejection fraction. World Journal of Cardiology, 2015, 7, 843.	0.5	24
5632	The Role of microRNAs in Embryonic and Induced Pluripotency. Journal of Stem Cells and Regenerative Medicine, 2018, 14, 3-9.	2.2	8
5633	Polycystic kidney disease and therapeutic approaches. BMB Reports, 2011, 44, 359-368.	1.1	17
5634	Therapeutic implications of microRNAs in pulmonary arterial hypertension. BMB Reports, 2014, 47, 311-317.	1.1	33
5635	Rules for functional microRNA targeting. BMB Reports, 2017, 50, 554-559.	1.1	33
5636	MicroRNAs in the key events of systemic lupus erythematosus pathogenesis. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2016, 160, 327-342.	0.2	44
5637	Potential therapeutic targets from genetic and epigenetic approaches for asthma. World Journal of Translational Medicine, 2016, 5, 14.	3.5	1
5638	MicroRNAs as novel bioactive components of human breastmilk. Postepy Higieny I Medycyny Doswiadczalnej, 2020, 74, 103-115.	0.1	1
5639	Predictive Capacity and Functional Significance of MicroRNA in Human Melanoma. , 0, , .		1
5640	The Role of MicroRNAs in the Cellular Response to Ionizing Radiations. , 0, , .		2
5641	MicroRNAs in Autoimmune Sjögren's Syndrome. Genomics and Informatics, 2018, 16, e19.	0.4	17

#	Article	IF	CITATIONS
5642	Innate Immunity and Human Milk MicroRNAs Content: A New Perspective for Premature Newborns. Journal of Comprehensive Pediatrics, 2017, In press, .	0.1	6
5643	MicroRNAs: Critical Regulators of mRNA Traffic and Translational Control with Promising Biotech and Therapeutic Applications. Iranian Journal of Biotechnology, 2013, 11, 147-55.	0.3	2
5644	MiR-328 May be Considered as an Oncogene in Human Invasive Breast Carcinoma. Iranian Red Crescent Medical Journal, 2016, 18, e42360.	0.5	10
5645	BMI1 as a Potential Target of miR-330-3p in Colorectal Cancer. Middle East Journal of Rehabilitation and Health Studies, 2018, 5, .	0.1	4
5646	Sequence trademarks in oncogene associated microRNAs. Bioinformation, 2011, 6, 364-365.	0.2	3
5647	Identification of Serum MicroRNA-21 as a Biomarker for Early Detection and Prognosis in Human Epithelial Ovarian Cancer. Asian Pacific Journal of Cancer Prevention, 2013, 14, 1057-1060.	0.5	78
5648	miR-19a Promotes Cell Growth and Tumorigenesis through Targeting SOCS1 in Gastric Cancer. Asian Pacific Journal of Cancer Prevention, 2013, 14, 835-840.	0.5	46
5649	Power and Promise of Ubiquitin Carboxyl-terminal Hydrolase 37 as a Target of Cancer Therapy. Asian Pacific Journal of Cancer Prevention, 2013, 14, 2173-2179.	0.5	21
5650	Signal Transducer and Activator of Transcription 3 - A Promising Target in Colitis-Associated Cancer. Asian Pacific Journal of Cancer Prevention, 2014, 15, 551-560.	0.5	43
5651	Down Regulation of miR-34a and miR-143 May Indirectly Inhibit p53 in Oral Squamous Cell Carcinoma: a Pilot Study. Asian Pacific Journal of Cancer Prevention, 2015, 16, 7619-7625.	0.5	29
5652	miR-142 orchestrates a network of actin cytoskeleton regulators during megakaryopoiesis. ELife, 2014, 3, e01964.	2.8	67
5653	MicroRNAs shape circadian hepatic gene expression on a transcriptome-wide scale. ELife, 2014, 3, e02510.	2.8	98
5654	miR-128 regulates neuronal migration, outgrowth and intrinsic excitability via the intellectual disability gene Phf6. ELife, 2015, 4, .	2.8	81
5655	A microRNA negative feedback loop downregulates vesicle transport and inhibits fear memory. ELife, 2016, 5, .	2.8	29
5656	A regulatory microRNA network controls endothelial cell phenotypic switch during sprouting angiogenesis. ELife, 2020, 9, .	2.8	35
5657	Aire-dependent genes undergo Clp1-mediated $3\hat{a}\in^{\mathbf{M}}$ UTR shortening associated with higher transcript stability in the thymus. ELife, 2020, 9, .	2.8	13
5658	DAZL mediates a broad translational program regulating expansion and differentiation of spermatogonial progenitors. ELife, 2020, 9, .	2.8	28
5659	miRNA profile is altered in a modified EAE mouse model of multiple sclerosis featuring cortical lesions. ELife, 2020, 9, .	2.8	12

#	ARTICLE	IF	CITATIONS
5660	Construction of microRNA functional families by a mixture model of position weight matrices. PeerJ, 2013, 1, e199.	0.9	6
5661	Differential bicodon usage in lowly and highly abundant proteins. PeerJ, 2017, 5, e3081.	0.9	28
5662	RBiomirGS: an all-in-one miRNA gene set analysis solution featuring target mRNA mapping and expression profile integration. PeerJ, 2018, 6, e4262.	0.9	18
5663	Estivation-responsive microRNAs in a hypometabolic terrestrial snail. PeerJ, 2019, 7, e6515.	0.9	11
5664	Identification and characterization of circRNAs as competing endogenous RNAs for miRNA-mRNA in colorectal cancer. Peerl, 2019, 7, e7602.	0.9	38
5665	Evidence of transfer of miRNAs from the diet to the blood still inconclusive. PeerJ, 2020, 8, e9567.	0.9	26
5666	miR-328-3p promotes migration and invasion by targeting H2AFX in head and neck squamous cell carcinoma. Journal of Cancer, 2021, 12, 6519-6530.	1,2	5
5667	Sperm-borne sncRNAs: potential biomarkers for semen fertility?. Reproduction, Fertility and Development, 2021, 34, 160-173.	0.1	6
5668	Dynamics of biomarkers across the stages of traumatic spinal cord injury - implications for neural plasticity and repair. Restorative Neurology and Neuroscience, 2021, 39, 339-366.	0.4	2
5669	ZIKV Infection and miRNA Network in Pathogenesis and Immune Response. Viruses, 2021, 13, 1992.	1.5	8
5670	Rolling Circle and Loop Mediated Isothermal Amplification Strategy for Ultrasensitive miRNA Detection. Separations, 2021, 8, 166.	1.1	2
5671	ERp29 forms a feedback regulation loop with microRNA-135a-5p and promotes progression of colorectal cancer. Cell Death and Disease, 2021, 12, 965.	2.7	6
5672	Impaired antioxidant KEAP1-NRF2 system in amyotrophic lateral sclerosis: NRF2 activation as a potential therapeutic strategy. Molecular Neurodegeneration, 2021, 16, 71.	4.4	27
5673	The miRNome of Depression. International Journal of Molecular Sciences, 2021, 22, 11312.	1.8	23
5674	Circadian miR-449c-5p regulates uterine Ca2+ transport during eggshell calcification in chickens. BMC Genomics, 2021, 22, 764.	1.2	7
5677	MicroRNAs Role in Breast Cancer: Theranostic Application in Saudi Arabia. Frontiers in Oncology, 2021, 11, 717759.	1.3	5
5678	The Clinical Significance and Immunization of MSMO1 in Cervical Squamous Cell Carcinoma Based on Bioinformatics Analysis. Frontiers in Genetics, 2021, 12, 705851.	1.1	7
5679	Recent Developments in Diagnosis of Epilepsy: Scope of MicroRNA and Technological Advancements. Biology, 2021, 10, 1097.	1.3	16

#	Article	IF	Citations
5680	OncomiRs miR-106a and miR-17 negatively regulate the nucleoside-derived drug transporter hCNT1. Cellular and Molecular Life Sciences, 2021, 78, 7505-7518.	2.4	2
5682	The Function of microRNAs in Pulmonary Embolism: Review and Research Outlook. Frontiers in Pharmacology, 2021, 12, 743945.	1.6	4
5683	The changing microRNA landscape by color and cloudiness: a cautionary tale for nipple aspirate fluid biomarker analysis. Cellular Oncology (Dordrecht), 2021, 44, 1339-1349.	2.1	4
5684	Long Noncoding Competing Endogenous RNA Networks in Pancreatic Cancer. Frontiers in Oncology, 2021, 11, 765216.	1.3	10
5685	MicroRNAs as Biomarkers for Early Diagnosis, Prognosis, and Therapeutic Targeting of Ovarian Cancer. Journal of Oncology, 2021, 2021, 1-25.	0.6	13
5686	Evaluation of Diagnostic Potential of Epigenetically Deregulated MiRNAs in Epithelial Ovarian Cancer. Frontiers in Oncology, 2021, 11, 681872.	1.3	7
5688	Lung cancer cells expressing a shortened <i>CDK16</i> 3′UTR escape senescence through impaired miRâ€485â€5p targeting. Molecular Oncology, 2022, 16, 1347-1364.	2.1	8
5689	Network potential identifies therapeutic miRNA cocktails in Ewing sarcoma. PLoS Computational Biology, 2021, 17, e1008755.	1.5	9
5690	Prediction methods for microRNA targets in bilaterian animals: Toward a better understanding by biologists. Computational and Structural Biotechnology Journal, 2021, 19, 5811-5825.	1.9	6
5691	Identification of MicroRNA–mRNA Networks in Melanoma and Their Association with PD-1 Checkpoint Blockade Outcomes. Cancers, 2021, 13, 5301.	1.7	7
5692	Integrated analysis of dysregulated microRNA and mRNA expression in intestinal epithelial cells following ethanol intoxication and burn injury. Scientific Reports, 2021, 11, 20213.	1.6	5
5693	CD4+ T-Cell Activation Prompts Suppressive Function by Extracellular Vesicle-Associated MicroRNAs. Frontiers in Cell and Developmental Biology, 2021, 9, 753884.	1.8	3
5694	MicroRNA targets and biomarker validation for diabetes-associated cardiac fibrosis. Pharmacological Research, 2021, 174, 105941.	3.1	36
5695	MicroRNA-124 acts as a positive regulator of IFN- \hat{I}^2 signaling in the lipopolysaccharide-stimulated human microglial cells. International Immunopharmacology, 2021, 101, 108262.	1.7	0
5696	Myc and Control of Tumor Neovascularization. , 2010, , 167-187.		1
5697	Evolution of Protein Wrapping and Implications for the Drug Designer. , 2010, , 79-96.		0
5698	Profiling of miRNA Expression and Prediction of Target Genes. Methods in Molecular Biology, 2010, 629, 255-269.	0.4	19
5699	MicroRNAs, Cellular Behavior, and Endometrial Cancer. Proceedings in Obstetrics and Gynecology, 2010, 1, 1-15.	0.1	1

#	Article	IF	CITATIONS
5700	Schizophrenia Has a High Heritability, but Where Are the Genes?., 2011, , 219-236.		0
5701	Determination and Regulation of â€~Stemness' by MicroRNAs. , 0, , .		0
5702	MicroRNAs., 2011,, 135-153.		0
5703	The Human Genome. , 2012, , 93-117.		O
5704	Towards Personalized Medicine in Pediatric Cancer: Genome-Wide Strategies to Investigate Cancer Risk and Response to Therapy., 2012,, 1-19.		0
5705	Hfq-associated Regulatory Small RNAs. , 2012, , 15-50.		1
5706	Use Circulating microRNAs as Biomarkers of Drug-Induced Liver Injury. Journal of Vaccines $\&$ Vaccination, 2012, 03, .	0.3	0
5707	Comparative Analysis of MicroRNA-mRNA Expression Profiles of Mesenchymal Stem Cells and Dental Follicle Cells. International Journal of Oral-Medical Sciences, 2012, 11, 13-21.	0.2	0
5710	MicroRNAs are Novel Biomarkers for Detection of Colorectal Cancer. , 0, , .		0
5711	Small Non-Coding RNAs as Biomarkers. Recent Patents on Biomarkers, 2012, 2, 119-130.	0.3	0
5712	Oncogenic microRNAs in Cancer. , 2013, , 63-79.		0
5713	1 0 8., 2012, , 120-123.		0
5714	Alternative Regulatory Mechanisms of TLR Signaling. , 2012, , 80-92.		0
5715	The Mechanism of Stem Cell Differentiation into Smooth Muscle Cells. , 2013, , 1-32.		0
5716	MicroRNA Target Prediction. , 2013, , 1335-1335.		0
5717	MicroRNA as Cancer Biomarkers and Targets. , 2013, , 39-56.		0
5718	TGF-Î ² Signaling Pathway and MicroRNAs in Cardiovascular Disease. , 2013, , 349-368.		0
5719	Comparison of Four Ab Initio MicroRNA Prediction Tools. , 2013, , .		3

#	Article	IF	CITATIONS
5720	MicroRNA Control of Apoptotic Programs in Cancer. , 2013, , 503-530.		0
5721	Gene Expression Profiling and Pathway Analysis for Identification of Molecular Targets in MS. , 2013, , 229-255.		O
5722	Target Site. , 2013, , 2142-2145.		0
5723	Circulating miRNAs from Dried Blood Spots are Associated with High Altitude Sickness. Journal of Medical Diagnostic Methods, 2013, 02, .	0.0	1
5724	MicroRNAs that Potentially Regulate SOS1 Expression in Colon Cancer. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2013, , 424-428.	0.2	0
5725	The Role of miRNAs in Gastric Cancer. , 2013, 03, .		1
5726	RNA Wave for the HIV Therapy: Foods, Stem Cells and the RNA Information Gene. World Journal of AIDS, 2013, 03, 131-146.	0.1	7
5727	MicroRNAs and Tissue Response to Acute Ischemia. Contributions To Statistics, 2013, , 97-112.	0.2	0
5728	Target Identification, microRNA., 2013,, 2138-2142.		1
5729	Application of RNA Aptamers in Nanotechnology and Therapeutics. , 2013, , 485-504.		0
5730	The Fundamental Role of Epigenetic Regulation in Normal and Disturbed Cell Growth, Differentiation, and Stemness., 2014, , 1-41.		0
5736	Specific silencing of leukemic oncogenes using RNA-interference approach. Ukrainian Biochemical Journal, 2013, 85, 151-165.	0.1	0
5737	Delivery Strategies for Developing siRNA-Based Vaginal Microbicides. , 2014, , 345-365.		0
5738	Molecular Underpinnings of Neuronal Nicotinic Acetylcholine Receptor Expression. , 2014, , 39-60.		1
5739	MicroRNAs in Cancer. , 2014, , 181-193.		0
5740	Role of MicroRNAs in Hypoxia-Induced Pulmonary Hypertension. Cardiovascular Pharmacology: Open Access, 2014, 03, .	0.1	1
5741	MicroRNAs and Blood Cancers. , 2014, , 129-153.		0
5742	Micro RNA Regulation of Cancer Stem Cell Phenotypes. International Journal of Genetic Science, 2014, 1, 1-8.	0.1	O

#	Article	IF	CITATIONS
5744	GenoScan: Genomic Scanner for Putative miRNA Precursors. Lecture Notes in Computer Science, 2014, , 266-277.	1.0	0
5747	Targeting Noncoding RNA for Treatment of Autism Spectrum Disorders. , 2014, , 203-228.		O
5748	Methods and Compositions for Amplification and Detection of microRNAs (miRNAs) and Noncoding RNAs (ncRNAs) Using the Signature Sequence Amplification Method (SSAM). Recent Advances in DNA & Gene Sequences, 2014, 8, 2-9.	0.7	5
5749	MicroRNAs with Impact on Adipose Tissue Inflammation in Obesity. , 2015, , 163-184.		0
5750	The Biology of MicroRNA. , 2015, , 3-19.		1
5752	miRNAs in Cardiovascular Development. , 2015, , 1331-1342.		0
5753	Interaction between MicroRNA-7 and its Target Genes in Schizophrenia Patients. African Journal of Psychiatry, 2015, 18, .	0.1	0
5754	KRAS Cold Turkey: Using microRNAs to target KRAS-addicted cancer. RNA & Disease (Houston, Tex), 2015, 2, .	1.0	1
5757	Evolution of Protein Structure Degradation and Lessons for the Drug Designer., 2015, , 127-149.		0
5760	SnvDMiR Associating the genomic proximity of genetic variants with deregulated miRNAs and differentially methylated regions. , 2015, , .		0
5761	Epitope specificity and protein signaling interactions driving epidemic occurrences of Ebola disease. F1000Research, 0, 4, 166.	0.8	2
5765	Identification of MicroRNA-Like Molecules Derived from the Antigenome RNA of Hepatitis C Virus: A Bioinformatics Approach. Natural Science, 2016, 08, 180-191.	0.2	0
5766	DNA Repair, Overview. , 2016, , 1-13.		0
5767	Exosomic microRNAs as emerging key regulators of intercellular communication in the tumor microenvironment and beyond. MicroRNA Diagnostics and Therapeutics, 2016, 2, .	0.0	0
5768	Pathophysiological events induced by alteration of microRNA biogenesis pathway Hikaku Seiri Seikagaku(Comparative Physiology and Biochemistry), 2016, 33, 183-190.	0.0	0
5769	Dehydron as a Marker for Molecular Evolution: Lessons for the Drug Designer. Soft and Biological Matter, 2016, , 151-179.	0.3	0
5776	Sensitivity of signaling pathway dynamics to plasmid transfection and its consequences. Mathematical Biosciences and Engineering, 2016, 13, 1207-1222.	1.0	1
5777	Association Between microRNA-125a rs12976445 C>T Polymorphism and 18F-Fluorodeoxyglucose (18FDG) Uptake: Clinical and Metabolic Response in Patients with Non-Small Cell Lung Cancer. Medical Science Monitor, 2016, 22, 4186-4192.	0.5	1

#	Article	IF	CITATIONS
5778	MicroRNA Analysis in Acute Lung Injury. Respiratory Medicine, 2017, , 161-177.	0.1	1
5780	Modulation of microRNA by Vitamin D in Cancer Studies. , 2017, , 1-22.		0
5781	Combining Gene Expression and Interactions Data with miRNA Family Information for Identifying miRNA-mRNA Regulatory Modules. Lecture Notes in Computer Science, 2017, , 311-322.	1.0	0
5784	Bioinformatics Databases and Tools on Dietary microRNA. , 2017, , 1-14.		0
5787	Detecting of Functional Short Non-Coding RNAs using Bioinformatics Methods in Sheep and Goat. Research on Animal Production, 2017, 8, 161-170.	0.2	1
5790	MicroRNA. , 2018, , 1-4.		O
5791	Dynamic regulation of EZH2 from HPSc to hepatocyte-like cell fate. PLoS ONE, 2017, 12, e0186884.	1.1	2
5793	The Crosstalk Between miRNAs and Autophagy in Cancer Progression. , 2018, , 279-291.		O
5796	MicroRNAs Reconceived: A Novel Promising Biomarker for Diagnostic and Therapeutic Prospects. SBV Journal of Basic Clinical and Applied Health Science, 2018, 1, 4-11.	0.2	0
5799	ANALYSIS OF THE ASSOCIATION OF THE METHYLATION LEVELS OF MIR10B AND MIR21 GENES IN BLOOD LEUKOCYTES WITH ADVANCED CAROTID ATHEROSCLEROSIS. Siberian Medical Journal, 2018, 33, 77-82.	0.3	2
5802	Design and Synthesis of RNA-binding Fluorescent Probes for Analysis of Small RNAs. Bunseki Kagaku, 2018, 67, 531-540.	0.1	0
5808	Review of Computational Prediction of Competing Endogenous RNA. Journal of Proteomics and Bioinformatics, 2019, 12, .	0.4	1
5809	Approaches to Studying the microRNAome in Skeletal Muscle. , 2019, , 109-133.		0
5810	Post-transcriptional Gene Silencing as a Tool for Controlling Viruses in Plants. , 2019, , 527-542.		4
5811	Pharmacogenetics of asparaginase in acute lymphoblastic leukemia. Cancer Drug Resistance (Alhambra,) Tj ETQq0	0 <u>8.9</u> rgBT	Qverlock 10
5812	MicroRNAâ€'629 inhibition suppresses the viability and invasion of nonâ€'small cell lung cancer cells by directly targeting RUNX3. Molecular Medicine Reports, 2019, 19, 3933-3940.	1.1	4
5827	Micro-RNA in lung transplant recipients: the prospects of clinical application. Vestnik Transplantologii I Iskusstvennykh Organov, 2019, 21, 138-144.	0.1	0
5829	Micro RNAS as New Players in Control of Hypothalamic Functions. Kreativna \tilde{A}^{ξ} Hirurgi \tilde{A}^{ξ} I Onkologi \tilde{A}^{ξ} , 2019, 9, 138-143.	0.1	1

#	Article	IF	CITATIONS
5833	Class A Orphans (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	0
5835	Abnormal regulation of non-coding RNAs plays a role in development and progression of hepatocellular carcinoma. World Chinese Journal of Digestology, 2019, 27, 1107-1113.	0.0	0
5843	MicroRNA and Endometriosis., 2020,, 181-197.		0
5845	Upregulation of miRâ€'423 improves autologous vein graft restenosis via targeting ADAMTSâ€'7. International Journal of Molecular Medicine, 2020, 45, 532-542.	1.8	7
5846	MicroRNA‑155 promotes apoptosis of colonic smooth muscle cells and aggravates colonic dysmotility by targeting IGF‑1. Experimental and Therapeutic Medicine, 2020, 19, 2725-2732.	0.8	2
5849	Loss of MicroRNA-137 Impairs the Homeostasis of Potassium in Neurons via KCC2. Experimental Neurobiology, 2020, 29, 138-149.	0.7	4
5851	Interplay among miR-29 family, mineral metabolism, and gene regulation in Bos indicus muscle. Molecular Genetics and Genomics, 2020, 295, 1113-1127.	1.0	2
5853	MicroRNAâ€'32 promotes ovarian cancer cell proliferation and motility by targeting SMG1. Oncology Letters, 2020, 20, 733-741.	0.8	10
5854	miR-142-3p suppresses apoptosis in spinal cord-injured rats. Translational Neuroscience, 2020, 11, 105-115.	0.7	4
5855	Homo Sapiens (Human) microRNA 187 Expression Is Dysregulated in Testis of Non-obstructive Azoospermic Men. International Journal of Basic Science in Medicine, 2020, 5, 39-42.	0.1	2
5859	Cytoâ€'biological effects of microRNAâ€'424â€'5p on human colorectal cancer cells. Oncology Letters, 2020, 20, 1-1.	0.8	5
5861	The antitumor effect of miR-448 in epithelial ovarian cancer. Translational Cancer Research, 2020, 9, 4922-4930.	0.4	1
5863	miR-21 in Human Cardiomyopathies. Frontiers in Cardiovascular Medicine, 2021, 8, 767064.	1.1	44
5864	Human retinal organoids release extracellular vesicles that regulate gene expression in target human retinal progenitor cells. Scientific Reports, 2021, 11, 21128.	1.6	18
5865	Caspase-mediated cleavage of miRNA processing proteins Drosha, DGCR8, Dicer, and TRBP2 in heat-shocked cells and its inhibition by HSP70 overexpression. Cell Stress and Chaperones, 2022, 27, 11-25.	1.2	1
5866	Bioswitchable Delivery of microRNA by Framework Nucleic Acids: Application to Bone Regeneration. Small, 2021, 17, e2104359.	5.2	70
5867	Dynamic Variations of 3′UTR Length Reprogram the mRNA Regulatory Landscape. Biomedicines, 2021, 9, 1560.	1.4	21
5869	Redox sensitive miR-27a/b/Nrf2 signaling in Cr(VI)-induced carcinogenesis. Science of the Total Environment, 2022, 809, 151118.	3.9	15

#	Article	IF	CITATIONS
5870	miRNA-204-5p acts as tumor suppressor to influence the invasion and migration of astrocytoma by targeting ezrin and is downregulated by DNA methylation. Bioengineered, 2021, 12, 9301-9312.	1.4	6
5871	Associations of plasma metal levels with type 2 diabetes and the mediating effects of microRNAs. Environmental Pollution, 2022, 292, 118452.	3.7	18
5872	Emerging role of microRNAs as novel targets of antidepressants. Asian Journal of Psychiatry, 2021, 66, 102906.	0.9	1
5873	5 Small RNAs in Fungi. , 2020, , 105-122.		0
5874	Identification of Key miRNAs inÂRegulation of PPI Networks. Lecture Notes in Computer Science, 2020, , 107-117.	1.0	0
5875	Biomarkers in Critical Care Illness: ARDS and Sepsis. Respiratory Medicine, 2020, , 185-198.	0.1	0
5876	Genetics of Pediatric Tumors. , 2020, , 1-16.		0
5877	Genetics, Epigenetics, and Environmental Interactions. , 2020, , 21-38.		0
5878	MicroRNAs linking oxidative stress and diabetes. , 2020, , 97-106.		0
5879	Control of Iron Availability in Cancer by MicroRNAs. Proceedings of the Singapore National Academy of Science, 2020, 14, 61-77.	0.1	0
5880	Circulating miÑroRNAs in patients with ischemic heart disease with type 2 diabetes mellitus. PatologÃa, 2020, .	0.1	0
5881	Puzzling functions of HSV-1 miRNAs in productive and latent infection. Periodicum Biologorum, 2020, 121-122, 107-113.	0.1	2
5882	Age-Associated Induction of Senescent Transcriptional Programs in Human Glial Progenitor Cells. SSRN Electronic Journal, 0, , .	0.4	0
5883	MicroRNA regulation and host interaction in response to Aspergillus exposure. Biocell, 2022, 46, 339-356.	0.4	2
5884	The dynamic aspects of RNA regulation. , 2020, , 85-115.		2
5885	RNA and stress. , 2020, , 327-347.		0
5886	microRNAs in Obesity and Metabolic Diseases. , 2020, , 71-95.		1
5888	Screening for differentiallyâ€'expressed microRNA biomarkers in�Saudi colorectal cancer patients by small RNA deep sequencing. International Journal of Molecular Medicine, 2019, 44, 2027-2036.	1.8	4

#	ARTICLE	IF	Citations
5889	Identification and validation of mRNA 3'untranslated regions of DNMT3B and TET3 as novel competing endogenous RNAs of the tumor suppressor PTEN. International Journal of Oncology, 2020, 56, 544-558.	1.4	3
5890	MicroRNA Regulation of Channels and Transporters. Physiology in Health and Disease, 2020, , 543-563.	0.2	0
5891	RNA and bacterial infection. , 2020, , 307-326.		0
5892	Small Non-Coding RNAs and Epigenetic Inheritance. , 2020, , 209-230.		1
5893	MicroRNAs: Role in Cancer and miRNA Signatures in Endometrial Cancer. , 2020, , 205-221.		0
5894	The role of interactomic interactions in tamoxifen-resistant breast cancer: new approaches to searching for the mechanisms of pathogenesis. Onkologiya Zhurnal Imeni P A Gertsena, 2020, 9, 80.	0.0	1
5895	A Multi-hypothesis Learning Algorithm for Human and Mouse miRNA Target Prediction. Lecture Notes in Computer Science, 2020, , 102-120.	1.0	0
5896	The oncogenic role of microRNAâ€'500a in colorectal cancer. Oncology Letters, 2020, 19, 1799-1805.	0.8	2
5897	Computational Resources for microRNA Research. , 2020, , 117-123.		0
5898	Non-coding RNAs in pneumonia diagnosis. Siberian Medical Journal, 2020, 34, 72-82.	0.3	O
5900	Multifaceted Roles of MicroRNAs in Host-Bacterial Pathogen Interaction. , 0, , 247-266.		0
5901	Long non‑coding RNA LINC00858 promotes TP53‑wild‑type colorectal cancer progression by regulating the microRNA‑25‑3p/SMAD7 axis. Oncology Reports, 2020, 43, 1267-1277.	1.2	5
5903	Overexpression of microRNA-145 inhibits tumorigenesis through autophagy in chemotherapy and radiation resistant neuroblastoma cells. Oncoscience, 2020, 7, 1-9.	0.9	4
5904	Mechanisms underlying the improvement of preeclampsia through salvianolic acid B-regulated miRNA-155/CXCR4. Archives of Medical Science, 2020, , .	0.4	0
5905	Gli3 is a novel downstream target of miRâ€ʻ200a with an antiâ€ʻi¬brotic role for progression of liver fibrosis in�vivo and in�vitro. Molecular Medicine Reports, 2020, 21, 1861-1871.	1.1	3
5906	Translational control of gene function through optically regulated nucleic acids. Chemical Society Reviews, 2021, 50, 13253-13267.	18.7	18
5907	miR \hat{a} e´25 expression is upregulated in pancreatic ductal adenocarcinoma and promotes cell proliferation by targeting ABI2. Experimental and Therapeutic Medicine, 2020, 19, 3384-3390.	0.8	3
5910	MicroRNA-548m Suppresses Cell Migration and Invasion by Targeting Aryl Hydrocarbon Receptor in Breast Cancer Cells. Oncology Research, 2020, 28, 615-629.	0.6	7

#	Article	IF	CITATIONS
5912	MicroRNAâ€'663b enhances migration and invasion by targeting adenomatous polyposis coli 2 in colorectal carcinoma cells. Oncology Letters, 2020, 19, 3701-3710.	0.8	4
5913	Interferon-Î ³ inhibits sirtuin 6 gene expression in intestinal epithelial cells through a microRNA-92b-dependent mechanism. American Journal of Physiology - Cell Physiology, 2020, 318, C732-C739.	2.1	1
5915	Systematic Combination of Oligonucleotides and Synthetic Polymers for Advanced Therapeutic Applications. Macromolecular Research, 2021, 29, 665-680.	1.0	7
5916	MicroRNA Expression Profiling in Porcine Liver, Jejunum and Serum upon Dietary DON Exposure Reveals Candidate Toxicity Biomarkers. International Journal of Molecular Sciences, 2021, 22, 12043.	1.8	1
5917	Knockdown of circular RNA septin 9 inhibits the malignant progression of breast cancer by reducing the expression of solute carrier family 1 member 5 in a microRNA-149-5p-dependent manner. Bioengineered, 2021, 12, 10624-10637.	1.4	11
5918	MicroRNA profiling of psoriatic skin identifies 11 miRNAs associated with disease severity. Experimental Dermatology, 2022, 31, 535-547.	1.4	11
5919	Role of Flavonoids as Epigenetic Modulators in Cancer Prevention and Therapy. Frontiers in Genetics, 2021, 12, 758733.	1,1	18
5921	Analysis of inflammation-related microRNA expression in patients with ankylosing spondylitis. Immunologic Research, 2022, 70, 23-32.	1.3	4
5922	Circulating miRNAs as Potential Biomarkers Distinguishing Relapsing–Remitting from Secondary Progressive Multiple Sclerosis. A Review. International Journal of Molecular Sciences, 2021, 22, 11887.	1.8	13
5926	Salidroside downregulates microRNA‑133a and inhibits endothelial cell apoptosis induced by oxidized low‑density lipoprotein. International Journal of Molecular Medicine, 2020, 46, 1433-1442.	1.8	1
5928	Bioinformatics Methods for Studying MicroRNA and ARE-Mediated Regulation of Post-Transcriptional Gene Expression. , 0, , 156-173.		0
5929	Deep Sequencing of MicroRNAs in Cancer: Expression Profiling and Its Applications. , 2012, , 523-546.		2
5930	The investigation of miR-499 in apoptosis of cardiomyocytes in blood serum of MI patients. Medical Sciences Journal, 2019, 29, 155-162.	0.1	0
5932	Is HERV-K and HERV-W expression regulated by mir-155 in Sézary Syndrome?. Giornale Italiano Di Dermatologia E Venereologia, 2020, 155, 477-482.	0.8	1
5933	Regulator Non-coding RNAs: miRNA, siRNA, piRNA, lncRNA, circRNA. Journal of Clinical Medicine of Kazakhstan, 2020, 6, 29-39.	0.1	0
5934	Exosomal microRNAs: Potential Biomarkers for Cancer Diagnosis, Treatment Response and Prognosis. , 2021, , 321-336.		1
5935	Sperm fate is promoted by the <i>mir-44</i> microRNA family in the <i>Caenorhabditis elegans</i> hermaphrodite germline. Genetics, 2021, 217, 1-14.	1.2	9
5936	MicroRNA-126: Dual Role in Angiogenesis Dependent Diseases. Current Pharmaceutical Design, 2020, 26, 4883-4893.	0.9	8

#	Article	IF	Citations
5937	MicroRNA-21 is involved in ionizing radiation-promoted liver carcinogenesis. International Journal of Clinical and Experimental Medicine, 2010, 3, 211-22.	1.3	28
5939	MicroRNA in Melanoma. Ochsner Journal, 2010, 10, 83-92.	0.5	40
5940	The roles of microRNAs in tumorigenesis and angiogenesis. International Journal of Physiology, Pathophysiology and Pharmacology, 2011, 3, 140-55.	0.8	45
5941	The emerging role of microRNAs in drug responses. Current Opinion in Molecular Therapeutics, 2010, 12, 695-702.	2.8	30
5942	E2F and microRNA regulation of angiogenesis. American Journal of Cardiovascular Disease, 2011, 1, 110-118.	0.5	11
5943	MicroRNAs and Androgen Receptor 3' Untranslated Region: A Missing Link in Castration-resistant Prostate Cancer?. Molecular and Cellular Pharmacology, 2011, 3, 107-113.	1.7	8
5944	MicroRNAs: Processing, Maturation, Target Recognition and Regulatory Functions. Molecular and Cellular Pharmacology, 2011, 3, 83-92.	1.7	650
5945	MicroRNAs in cancer treatment and prognosis. American Journal of Cancer Research, 2012, 2, 414-33.	1.4	44
5947	MicroRNA in carcinogenesis & cancer diagnostics: a new paradigm. Indian Journal of Medical Research, 2013, 137, 680-94.	0.4	18
5950	The onset of human ectopic pregnancy demonstrates a differential expression of miRNAs and their cognate targets in the Fallopian tube. International Journal of Clinical and Experimental Pathology, 2014, 7, 64-79.	0.5	8
5951	Identification of microRNAs involved in Alzheimer's progression using a rabbit model of the disease. American Journal of Neurodegenerative Disease, 2014, 3, 33-44.	0.1	26
5952	MicroRNA and Male Infertility: A Potential for Diagnosis. International Journal of Fertility & Sterility, 2014, 8, 113-8.	0.2	27
5953	MicroRNAs as predictive biomarkers and therapeutic targets in prostate cancer. American Journal of Clinical and Experimental Urology, 2014, 2, 219-30.	0.4	11
5954	Mir-55 inhibition can reduce cell proliferation and induce apoptosis in Jurkat (Acute T cell Leukemia) cell line. Iranian Journal of Pediatric Hematology and Oncology, 2014, 4, 141-50.	0.4	9
5956	Serum miR-125a-5p, miR-145 and miR-146a as diagnostic biomarkers in non-small cell lung cancer. International Journal of Clinical and Experimental Pathology, 2015, 8, 765-71.	0.5	82
5957	MiR-19a overexpression contributes to heart failure through targeting ADRB1. International Journal of Clinical and Experimental Medicine, 2015, 8, 642-9.	1.3	9
5958	MicroRNAs associated with osteoarthritis differently expressed in bone matrix gelatin (BMG) rat model. International Journal of Clinical and Experimental Medicine, 2015, 8, 1009-17.	1.3	23
5959	MicroRNAs that target RGS5. Iranian Journal of Basic Medical Sciences, 2015, 18, 108-14.	1.0	9

#	Article	IF	Citations
5960	Downregulated miR-29c correlates with increased BACE1 expression in sporadic Alzheimer's disease. International Journal of Clinical and Experimental Pathology, 2015, 8, 1565-74.	0.5	58
5961	Recent progress on small vessel disease with cognitive impairment. International Journal of Clinical and Experimental Medicine, 2015, 8, 7701-9.	1.3	8
5962	The potential of plasma miRNAs for diagnosis and risk estimation of colorectal cancer. International Journal of Clinical and Experimental Pathology, 2015, 8, 7092-101.	0.5	30
5963	MicroRNA-145 inhibits migration and invasion by down-regulating FSCN1 in lung cancer. International Journal of Clinical and Experimental Medicine, 2015, 8, 8794-802.	1.3	19
5964	Transfer RNA as a source of small functional RNA. , 2014, 1, .		34
5965	HPV-p53-miR-34a axis in HPV-associated cancers. Annals of Translational Medicine, 2015, 3, 331.	0.7	5
5966	miR-125b suppresses the proliferation of hepatocellular carcinoma cells by targeting Sirtuin7. International Journal of Clinical and Experimental Medicine, 2015, 8, 18469-75.	1.3	25
5967	The emerging role of extracellular vesicle-derived miRNAs: implication in cancer progression and stem cell related diseases. , 2016, 2, .		32
5968	miR-26a inhibits the proliferation of ovarian cancer cells via regulating CDC6 expression. American Journal of Translational Research (discontinued), 2016, 8, 1037-46.	0.0	16
5970	Extracellular MicroRNA in liquid biopsy: applicability in cancer diagnosis and prevention. American Journal of Cancer Research, 2016, 6, 1461-93.	1.4	40
5972	LncRNAs and miRNAs: potential biomarkers and therapeutic targets for prostate cancer. American Journal of Translational Research (discontinued), 2016, 8, 5141-5150.	0.0	36
5973	miR-34a regulates HDAC1 expression to affect the proliferation and apoptosis of hepatocellular carcinoma. American Journal of Translational Research (discontinued), 2017, 9, 103-114.	0.0	28
5974	MicroRNA-1468-5p inhibits glioma cell proliferation and induces cell cycle arrest by targeting RRM1. American Journal of Cancer Research, 2017, 7, 784-800.	1.4	14
5975	MicroRNAs as biomarkers associated with bladder cancer. Medical Journal of the Islamic Republic of Iran, 2016, 30, 475.	0.9	27
5976	A positive feedback loop of long noncoding RNA CCAT2 and FOXM1 promotes hepatocellular carcinoma growth. American Journal of Cancer Research, 2017, 7, 1423-1434.	1.4	26
5977	microRNA-204 modulates chemosensitivity and apoptosis of prostate cancer cells by targeting zinc-finger E-box-binding homeobox 1 (ZEB1). American Journal of Translational Research (discontinued), 2017, 9, 3599-3610.	0.0	27
5978	microRNA-532 suppresses the PI3K/Akt signaling pathway to inhibit colorectal cancer progression by directly targeting IGF-1R. American Journal of Cancer Research, 2018, 8, 435-449.	1.4	23
5979	TBL1XR1 promotes migration and invasion in osteosarcoma cells and is negatively regulated by miR-186-5p. American Journal of Cancer Research, 2018, 8, 2481-2493.	1.4	9

#	Article	IF	CITATIONS
5980	Upregulation of miR-335 ameliorates myocardial ischemia reperfusion injury via targeting hypoxia inducible factor 1-alpha subunit inhibitor. American Journal of Translational Research (discontinued), 2018, 10, 4082-4094.	0.0	11
5981	A three-step approach identifies novel shear stress-sensitive endothelial microRNAs involved in vasculoprotective effects of high-intensity interval training (HIIT). Oncotarget, 2019, 10, 3625-3640.	0.8	8
5982	miR-181a-5p is downregulated and inhibits proliferation and the cell cycle in prostate cancer. International Journal of Clinical and Experimental Pathology, 2018, 11, 3969-3976.	0.5	10
5983	MicroRNAs and regulated interaction networks reveal differences between adult and pediatric acute myeloid leukemia. International Journal of Clinical and Experimental Pathology, 2017, 10, 10576-10583.	0.5	0
5984	Downregulation of microRNA-375, combined with upregulation of its target gene Janus kinase 2, predicts unfavorable prognosis in patients with gastric cancer. International Journal of Clinical and Experimental Pathology, 2017, 10, 11106-11113.	0.5	2
5985	Overexpression of microRNA-26b attenuates angiotensin Il-induced cardiac hypertrophy through inhibition of autophagic responses. International Journal of Clinical and Experimental Pathology, 2017, 10, 9409-9417.	0.5	0
5986	MiR-23b inhibits cell migration and invasion through targeting PDE7A in colon cancer cells. International Journal of Clinical and Experimental Pathology, 2017, 10, 9436-9443.	0.5	3
5987	Inhibition of microRNA-155 alleviates lipopolysaccharide-induced kidney injury in mice. International Journal of Clinical and Experimental Pathology, 2017, 10, 9362-9371.	0.5	2
5988	The Effect of Composol Medium on miR-16 Expression during Platelet Storage up to Day 7 at Room Temperature. Cell Journal, 2021, 22, 542-547.	0.2	1
5989	[Serum MiRNA as Predictive and Prognosis Biomarker in Advanced Stage Non-small Cell Lung Cancer in Indonesia]. Chinese Journal of Lung Cancer, 2020, 23, 321-332.	0.7	5
5990	Early diagnostic and prognostic value of serum exosomal miR-1246 in non-small cell lung cancer. International Journal of Clinical and Experimental Pathology, 2020, 13, 1601-1607.	0.5	6
5991	Circular RNA MGAT1 regulates cell proliferation and apoptosis in hypoxia-induced cardiomyocytes through miR-34a/YAP1 axis. International Journal of Clinical and Experimental Pathology, 2020, 13, 2474-2486.	0.5	2
5992	Trimetazidine Increases Plasma MicroRNA-24 and MicroRNA-126 Levels and Improves Dyslipidemia, Inflammation and Hypotension in Diabetic Rats. Iranian Journal of Pharmaceutical Research, 2020, 19, 248-257.	0.3	2
5993	Molecular and epigenetic markers as promising tools to quantify the effect of occupational exposures and the risk of developing non-communicable diseases. Medicina Del Lavoro, 2019, 110, 168-190.	0.3	3
5994	The role of microRNA in cancer cachexia and muscle wasting: A review article. Caspian Journal of Internal Medicine, 2021, 12, 124-128.	0.1	1
5995	MicroRNA and Hemophilia-A Disease: Bioinformatics Prediction and Experimental Analysis. Cell Journal, 2021, 23, 341-348.	0.2	0
5996	Epigenetics in precision medicine of cardiovascular disease. , 2022, , 347-368.		0
5997	miRNAs: the genetic regulators of immunity. , 2022, , 299-325.		1

#	Article	IF	Citations
5998	Diagnostic Potential of miR-30a and miR-200c in Invasive Breast Ductal Carcinoma. , 2021, 1, .		O
5999	The discovery of MicroRNA - Phytochemicals Interaction of diseases caused by viruses using ensemble data mining techniques. , 2021, , .		O
6000	MicroRNAs and their delivery in diabetic fibrosis. Advanced Drug Delivery Reviews, 2022, 182, 114045.	6.6	17
6001	The Impact of MicroRNAs during Inflammatory Bowel Disease: Effects on the Mucus Layer and Intercellular Junctions for Gut Permeability. Cells, 2021, 10, 3358.	1.8	13
6002	miRâ€145 attenuatesÂphenotypic transformation of aortic vascular smooth muscle cells to prevent aortic dissection. Journal of Clinical Laboratory Analysis, 2021, 35, e23773.	0.9	8
6003	Thinking Quantitatively of RNA-Based Information Transfer via Extracellular Vesicles: Lessons to Learn for the Design of RNA-Loaded EVs. Pharmaceutics, 2021, 13, 1931.	2.0	12
6004	MapToCleave: High-throughput profiling of microRNA biogenesis in living cells. Cell Reports, 2021, 37, 110015.	2.9	18
6005	Mechanisms Driving Palmitate-Mediated Neuronal Dysregulation in the Hypothalamus. Cells, 2021, 10, 3120.	1.8	6
6006	Genetic Biomarkers in Chronic Myeloid Leukemia: What Have We Learned So Far?. International Journal of Molecular Sciences, 2021, 22, 12516.	1.8	19
6008	MicroRNA-100-5p and microRNA-298-5p released from apoptotic cortical neurons are endogenous Toll-like receptor 7/8 ligands that contribute to neurodegeneration. Molecular Neurodegeneration, 2021, 16, 80.	4.4	18
6010	PQN-59 antagonizes microRNA-mediated repression during post-embryonic temporal patterning and modulates translation and stress granule formation in C. elegans. PLoS Genetics, 2021, 17, e1009599.	1.5	5
6011	Modular network inference between miRNA–mRNA expression profiles using weighted co-expression network analysis. Journal of Integrative Bioinformatics, 2021, 18, .	1.0	5
6012	Changes in adipose tissue microRNA expression across the menstrual cycle in regularly menstruating females: a pilot study. Physiological Genomics, 2022, 54, 1-10.	1.0	3
6013	The orf virus (ORFV) protein OV20.0 interacts with the microprocessor complex subunit DGCR8 to regulate miRNA biogenesis and ORFV infection. FEBS Letters, 2021, 595, 2897.	1.3	2
6014	Perspective of the GEMSTONE Consortium on Current and Future Approaches to Functional Validation for Skeletal Genetic Disease Using Cellular, Molecular and Animal-Modeling Techniques. Frontiers in Endocrinology, 2021, 12, 731217.	1.5	12
6015	Therapeutic mRNA Engineering from Head to Tail. Accounts of Chemical Research, 2021, 54, 4272-4282.	7.6	16
6016	Correlation of serum electrolytes with serial miRNA in advanced stage non-small cell lung cancer (NSCLC) in Indonesia. BMC Research Notes, 2021, 14, 437.	0.6	0
6017	Endothelial SIRT1 as a Target for the Prevention of Arterial Aging: Promises and Challenges. Journal of Cardiovascular Pharmacology, 2021, 78, S63-S77.	0.8	20

#	Article	IF	CITATIONS
6018	miR-544-3p mediates arthritis pain through regulation of FcγRl. Pain, 2022, 163, 1497-1510.	2.0	4
6019	Evaluation of plasma exosomal miRNAs as potential diagnostic biomarkers of lymph node metastasis in papillary thyroid carcinoma. Endocrine, 2022, 75, 846-855.	1.1	9
6020	Antisense oligonucleotides for Alzheimer's disease therapy: from the mRNA to miRNA paradigm. EBioMedicine, 2021, 74, 103691.	2.7	33
6021	Decreased miR-940 expression can predict a negative prognosis in early-stage nonsmoking female lung adenocarcinoma. Translational Lung Cancer Research, 2021, 10, 4293-4302.	1.3	3
6022	MicroRNA-Target Interaction Regulatory Network in Alzheimer's Disease. Journal of Personalized Medicine, 2021, 11, 1275.	1.1	11
6023	The "guiding―principles of noncoding <scp>RNA</scp> function. Wiley Interdisciplinary Reviews RNA, 2022, 13, e1704.	3.2	22
6024	Intra-articular Injection of Lornoxicam and MicroRNA-140 Co-loaded Cationic Liposomes Enhanced the Therapeutic Treatment of Experimental Osteoarthritis. AAPS PharmSciTech, 2022, 23, 9.	1.5	14
6025	Negatively Regulated by miR-29c-3p, MTFR1 Promotes the Progression and Glycolysis in Lung Adenocarcinoma via the AMPK/mTOR Signalling Pathway. Frontiers in Cell and Developmental Biology, 2021, 9, 771824.	1.8	8
6026	Regulation of epigenetic homeostasis in uveal melanoma and retinoblastoma. Progress in Retinal and Eye Research, 2022, 89, 101030.	7.3	18
6027	Fighting the Fiber: Targeting Collagen in Lung Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 363-381.	1.4	25
6028	Natural Products Targeting Cancer Stem Cells for Augmenting Cancer Therapeutics. International Journal of Molecular Sciences, 2021, 22, 13044.	1.8	15
6029	Relationship between mir-126 expression in children with psoriasis, disease progression and therapeutic response. Journal of Medicine and Life, 2021, 14, 667-675.	0.4	0
6030	Jak HPV wysokiego ryzyka indukuje optymalne Å>rodowisko dla wÅ,asnej replikacji w ró'nicujÄcym siÄ™ nabÅ,onku. Postepy Higieny I Medycyny Doswiadczalnej, 2021, 75, 773-789.	0.1	0
6031	Advances in bone turnover markers. Advances in Clinical Chemistry, 2021, 105, 101-140.	1.8	12
6032	MicroRNAs in obesity, sarcopenia, and commonalities for sarcopenic obesity: a systematic review. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 68-85.	2.9	13
6033	Uncovering the impacts of alternative splicing on the proteome with current omics techniques. Wiley Interdisciplinary Reviews RNA, 2022, 13, e1707.	3.2	22
6034	Making Sense of Antisense Oligonucleotide Therapeutics Targeting Bcl-2. Pharmaceutics, 2022, 14, 97.	2.0	10
6035	Design, synthesis, and evaluation of fluoroquinolone derivatives as microRNA-21 small-molecule inhibitors. Journal of Pharmaceutical Analysis, 2022, 12, 653-663.	2.4	6

#	ARTICLE	IF	Citations
6036	Genes Related to Fat Metabolism in Pigs and Intramuscular Fat Content of Pork: A Focus on Nutrigenetics and Nutrigenomics. Animals, 2022, 12, 150.	1.0	30
6037	Corticosterone-mediated regulation and functions of miR-218-5p in rat brain. Scientific Reports, 2022, 12, 194.	1.6	10
6038	Emerging Insights Into the Role of Epigenetics and Gut Microbiome in the Pathogenesis of Graves' Ophthalmopathy. Frontiers in Endocrinology, 2021, 12, 788535.	1.5	17
6039	Role of MicroRNAs and their corresponding ACE2/Apelin signaling pathways in hypertension. Microbial Pathogenesis, 2022, 162, 105361.	1.3	1
6040	Pentose Phosphate Pathway Regulates Tolerogenic Apoptotic Cell Clearance and Immune Tolerance. Frontiers in Immunology, 2021, 12, 797091.	2.2	8
6041	Delivery of miRNAs to the adipose organ for metabolic health. Advanced Drug Delivery Reviews, 2022, 181, 114110.	6.6	7
6042	MiR-155 regulates m6A level and cell progression by targeting FTO in clear cell renal cell carcinoma. Cellular Signalling, 2022, 91, 110217.	1.7	14
6043	MiRNA-145 and Its Direct Downstream Targets in Digestive System Cancers: A Promising Therapeutic Target. Current Pharmaceutical Design, 2020, 26, 2264-2273.	0.9	0
6044	Particulate Matter-Induced Acute Coronary Syndrome: MicroRNAs as Microregulators for Inflammatory Factors. Mediators of Inflammation, 2021, 2021, 1-13.	1.4	1
6045	Evolution of ray-finned fish genomes: Status and directions with a primer on microRNA characterization., 2022,, 309-346.		2
6046	Applications of noncoding RNAs in brain cancer patients. , 2022, , 17-64.		0
6047	Circulating Levels of microRNA-122 and Hepatic Fat Change in Response to Weight-Loss Interventions: CENTRAL Trial. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e1899-e1906.	1.8	5
6048	Diagnostic, grading and prognostic role of a restricted miRNAs signature in primary and metastatic brain tumours. Discussion on their therapeutic perspectives. Molecular Genetics and Genomics, 2022, 297, 357-371.	1.0	5
6049	Onâ€going consequences of in utero exposure of Pb: An epigenetic perspective. Journal of Applied Toxicology, 2022, 42, 1553-1569.	1.4	7
6051	MicroRNA antagonist therapy during normothermic machine perfusion of donor kidneys. American Journal of Transplantation, 2022, 22, 1088-1100.	2.6	15
6052	Altered White Matter and microRNA Expression in a Murine Model Related to Williams Syndrome Suggests That miR-34b/c Affects Brain Development via Ptpru and Dcx Modulation. Cells, 2022, 11, 158.	1.8	8
6053	A new self-attenuated therapeutic influenza vaccine that uses host cell-restricted attenuation by artificial microRNAs. International Journal of Pharmaceutics, 2022, 612, 121325.	2.6	1
6054	Preliminary evidence that lectins in infant soy formula apparently bind bovine milk exosomes and prevent their absorption in healthy adults. BMC Nutrition, 2022, 8, 7.	0.6	6

#	Article	IF	CITATIONS
6055	The Role of Androgen Receptor and microRNA Interactions in Androgen-Dependent Diseases. International Journal of Molecular Sciences, 2022, 23, 1553.	1.8	7
6056	Heroin Regulates Orbitofrontal Circular RNAs. International Journal of Molecular Sciences, 2022, 23, 1453.	1.8	7
6057	Differential Expression Profiles and Potential Intergenerational Functions of tRNA-Derived Small RNAs in Mice After Cadmium Exposure. Frontiers in Cell and Developmental Biology, 2021, 9, 791784.	1.8	5
6058	Carbon nanomaterials-based electrochemical cancer biomarkers biosensors., 2022,, 225-253.		1
6059	MicroRNA-129-5p-regulated microglial expression of the surface receptor CD200R1 controls neuroinflammation. Journal of Biological Chemistry, 2022, 298, 101521.	1.6	7
6060	hsa_circWDR37_016 Regulates Hypoxia-Induced Proliferation of Pulmonary Arterial Smooth Muscle Cells. Cardiovascular Therapeutics, 2022, 2022, 1-12.	1.1	6
6061	Ultrasonication of Milk Decreases the Content of Exosomes and MicroRNAs in an Exosome-Defined Rodent Diet. Journal of Nutrition, 2022, 152, 961-970.	1.3	8
6062	Circulating miRNA as potential biomarkers for diabetes mellitus type 2: should we focus on searching for sex differences?. Journal of Applied Genetics, 2022, 63, 293-303.	1.0	7
6064	Exosome-Mediated miR-21 Was Involved in the Promotion of Structural and Functional Recovery Effect Produced by Electroacupuncture in Sciatic Nerve Injury. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-21.	1.9	12
6065	The Role of Epigenetic Modifications in Abdominal Aortic Aneurysm Pathogenesis. Biomolecules, 2022, 12, 172.	1.8	8
6066	Prognostic impact of miR-34b/c DNA methylation, gene expression, and promoter polymorphism in HPV-negative oral squamous cell carcinomas. Scientific Reports, 2022, 12, 1296.	1.6	10
6067	Genome-wide circular RNA (circRNA) and mRNA profiling identify a circMET-miR-410-3p regulatory motif for cell growth in colorectal cancer. Genomics, 2022, 114, 351-360.	1.3	11
6068	A Systematic Review of Circulatory microRNAs in Major Depressive Disorder: Potential Biomarkers for Disease Prognosis. International Journal of Molecular Sciences, 2022, 23, 1294.	1.8	16
6069	Novel Diagnostic Biomarkers in Colorectal Cancer. International Journal of Molecular Sciences, 2022, 23, 852.	1.8	75
6071	Shaping the Innate Immune Response Through Post-Transcriptional Regulation of Gene Expression Mediated by RNA-Binding Proteins. Frontiers in Immunology, 2021, 12, 796012.	2.2	10
6073	microRNA-21 Regulates Stemness in Pancreatic Ductal Adenocarcinoma Cells. International Journal of Molecular Sciences, 2022, 23, 1275.	1.8	12
6074	Identification of potential core genes at single-cell level contributing to pathogenesis of pancreatic ductal adenocarcinoma through bioinformatics analysis. Cancer Biomarkers, 2022, , 1-12.	0.8	1
6075	MicroRNA Expression in Neonates with Late-onset Sepsis – A Cross-sectional Comparative Study. Immunological Investigations, 2022, , 1-13.	1.0	3

#	Article	IF	Citations
6076	Exosomal microRNAs as Potential Biomarkers and Therapeutic Agents for Acute Ischemic Stroke: New Expectations. Frontiers in Neurology, 2021, 12, 747380.	1.1	21
6077	MicroRNA-mediated control of myocardial infarction in diabetes. Trends in Cardiovascular Medicine, 2023, 33, 195-201.	2.3	7
6078	LncRNA GAS5/miR-137 Is a Hypoxia-Responsive Axis Involved in Cardiac Arrest and Cardiopulmonary Cerebral Resuscitation. Frontiers in Immunology, 2021, 12, 790750.	2.2	11
6079	Bone-Regulating MicroRNAs and Resistance Exercise: A Mini-Review. Osteology, 2022, 2, 11-20.	0.3	1
6080	The Profile of MicroRNA Expression and Potential Role in the Regulation of Drug-Resistant Genes in Cisplatin- and Paclitaxel-Resistant Ovarian Cancer Cell Lines. International Journal of Molecular Sciences, 2022, 23, 526.	1.8	11
6081	Metabolic Syndrome: Updates on Pathophysiology and Management in 2021. International Journal of Molecular Sciences, 2022, 23, 786.	1.8	379
6082	The impact of MicroRNAs in Neonatal Necrotizing Enterocolitis $\&$ other inflammatory conditions of intestine. Current Pediatric Reviews, 2022, 18 , .	0.4	0
6083	Aspects of miRNAs as biomarkers in human diseases. International Journal of Science Letters, 0, , .	0.5	0
6084	microRNA-Mediated Encoding and Decoding of Time-Dependent Signals in Tumorigenesis. Biomolecules, 2022, 12, 213.	1.8	0
6085	Exposure to Temperature and Insecticides Modulates the Expression of Small Noncoding RNA-Associated Transcripts in the Colorado Potato Beetle, <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae). Journal of Insect Science, 2022, 22, .	0.6	1
6086	Brain microRNAs are associated with variation in cognitive trajectory in advanced age. Translational Psychiatry, 2022, 12, 47.	2.4	7
6087	Oscillatory Behaviors of microRNA Networks: Emerging Roles in Retinal Development. Frontiers in Cell and Developmental Biology, 2022, 10, 831750.	1.8	9
6088	The IncRNA HOXAllâ€AS acts as a tumor promoter in breast cancer through regulation of the miRâ€125aâ€5p/TMPRSS4 axis. Journal of Gene Medicine, 2022, 24, e3413.	1.4	8
6089	Targeting of PFKFB3 with miRâ€206 but not mirâ€26b inhibits ovarian cancer cell proliferation and migration involving FAK downregulation. FASEB Journal, 2022, 36, e22140.	0.2	9
6090	MicroRNA: Crucial modulator in purinergic signalling involved diseases. Purinergic Signalling, 2022, , 1.	1,1	6
6091	MicroRNAs as biomarkers in spontaneous intracerebral hemorrhage: A systematic review of recent clinical evidence. Clinical Neurology and Neurosurgery, 2022, 213, 107130.	0.6	3
6092	MicroRNAs Associated with Chronic Mucus Hypersecretion in COPD Are Involved in Fibroblast–Epithelium Crosstalk. Cells, 2022, 11, 526.	1.8	2
6093	Fine-tuning miR-21 expression and inhibition of EMT in breast cancer cells using aromatic-neomycin derivatives. Molecular Therapy - Nucleic Acids, 2022, 27, 685-698.	2.3	5

#	ARTICLE	IF	CITATIONS
6094	SARS-CoV-2 causes a significant stress response mediated by small RNAs in the blood of COVID-19 patients. Molecular Therapy - Nucleic Acids, 2022, 27, 751-762.	2.3	12
6095	Neurodevelopmental disorders and neurotoxicity: MicroRNA in focus. Journal of Chemical Neuroanatomy, 2022, 120, 102072.	1.0	6
6096	pH dependence of C•A, G•A and A•A mismatches in the stem of precursor microRNA-31. Biophysical Chemistry, 2022, 283, 106763.	1.5	8
6097	Identification of the hub genes and transcription factorâ€'miRNA axes involved in Helicobacter pyloriâ€'associated gastric cancer. Oncology Letters, 2022, 23, 89.	0.8	O
6098	Effects of transcranial magnetic stimulation on neurobiological changes in Alzheimer's disease (Review). Molecular Medicine Reports, 2022, 25, .	1.1	8
6099	Quantitation of Exosomes and Their MicroRNA Cargos in Frozen Human Milk. JPGN Reports, 2022, 3, e172.	0.2	6
6100	MicroRNA Profile Alterations in Parathyroid Carcinoma: Latest Updates and Perspectives. Cancers, 2022, 14, 876.	1.7	5
6101	MicroRNAs from urinary exosomes as alternative biomarkers in the differentiation of benign and malignant prostate diseases. Journal of Circulating Biomarkers, 2022, 11, 5-13.	0.8	8
6102	PDMDA: predicting deep-level miRNA–disease associations with graph neural networks and sequence features. Bioinformatics, 2022, 38, 2226-2234.	1.8	18
6103	<i>miR-9a</i> regulates levels of both <i>rhomboid</i> mRNA and protein in the early <i>Drosophila melanogaster</i> embryo. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	0
6104	Specific microRNAs for Modulation of Autophagy in Spinal Cord Injury. Brain Sciences, 2022, 12, 247.	1.1	0
6105	Downregulation of miR-23a-3p improves cognitive function in rats after subarachnoid hemorrhage by targeting VCAN. Medical Molecular Morphology, 2022, , .	0.4	0
6106	Cranberry Proanthocyanidin and Its Microbial Metabolite 3,4â€Dihydroxyphenylacetic Acid, but Not 3â€(4â€Hydroxyphenyl)â€Propionic Acid, Partially Reverse Proâ€Inflammatory microRNA Responses in Human Intestinal Epithelial Cells. Molecular Nutrition and Food Research, 2022, 66, e2100853.	1.5	5
6107	New Tricks with Old Dogs: Computational Identification and Experimental Validation of New miRNA–mRNA Regulation in hiPSC-CMs. Biomedicines, 2022, 10, 391.	1.4	3
6108	Exosome-derived miR-200a promotes esophageal cancer cell proliferation and migration via the mediating Keap1 expression. Molecular and Cellular Biochemistry, 2022, 477, 1295-1308.	1.4	13
6109	Chimeric Peptides/Proteins Encoded by circRNA: An Update on Mechanisms and Functions in Human Cancers. Frontiers in Oncology, 2022, 12, 781270.	1.3	11
6110	NAFLD and vitamin D: Evidence for intersection of microRNA-regulated pathways. Nutrition Research Reviews, 2021, , 1-20.	2.1	11
6111	Effects of Adipose-Derived Biogenic Nanoparticle-Associated microRNA-451a on Toll-like Receptor 4-Induced Cytokines. Pharmaceutics, 2022, 14, 16.	2.0	15

#	Article	IF	CITATIONS
6112	Genomic Variants and Multilevel Regulation of ABCA1, ABCG1, and SCARB1 Expression in Atherogenesis. Journal of Cardiovascular Development and Disease, 2021, 8, 170.	0.8	8
6113	Effect of Sperm Cryopreservation on miRNA Expression and Early Embryonic Development. Frontiers in Cell and Developmental Biology, 2021, 9, 749486.	1.8	8
6114	miR-223: An Immune Regulator in Infectious Disorders. Frontiers in Immunology, 2021, 12, 781815.	2.2	29
6115	The Connection between MicroRNAs and Oral Cancer Pathogenesis: Emerging Biomarkers in Oral Cancer Management. Genes, 2021, 12, 1989.	1.0	19
6118	Identification of the miRNA-mRNA regulatory network of antler growth centers. Journal of Biosciences, 2019, 44, .	0.5	1
6119	Serum exosomal miR-34a as a potential biomarker for the diagnosis and prognostic of hepatocellular carcinoma. Journal of Cancer, 2022, 13, 1410-1417.	1.2	15
6120	Regulation of miR-30b in cancer development, apoptosis, and drug resistance. Open Life Sciences, 2022, 17, 102-106.	0.6	3
6121	A sensing system constructed by combining a structure-switchable molecular beacon with nicking-enhanced rolling circle amplification for highly sensitive miRNA detection. Analyst, The, 2022, 147, 1937-1943.	1.7	4
6122	Elucidation of the conformational dynamics and assembly of Argonaute–RNA complexes by distinct yet coordinated actions of the supplementary microRNA. Computational and Structural Biotechnology Journal, 2022, 20, 1352-1365.	1.9	13
6123	Posttraumatic stress disorder, major depressive disorder, and noncoding RNAs., 2022,, 257-284.		0
6124	Computational resources for analysis of miRNA targetome. , 2022, , 125-139.		0
6125	miR-204-5p inhibits cell proliferation and induces cell apoptosis in esophageal squamous cell carcinoma by regulating Nestin. International Journal of Medical Sciences, 2022, 19, 472-483.	1.1	4
6126	The molecular profile of urethral stricture disease. , 2022, , 125-143.		0
6127	Overview on miRNA classification, biogenesis, and functions. , 2022, , 3-20.		2
6128	Comparing miR-16 and miR-1228 as an optimal endogenous control for quantification of circulating microRNAs in colorectal cancer patients. Tzu Chi Medical Journal, 2022, .	0.4	1
6130	KLF9 regulates miR-338-3p/NRCAM axis to block the progression of osteosarcoma cells. Journal of Cancer, 2022, 13, 2029-2039.	1.2	6
6131	Wet-lab methods for miRNA analysis. , 2022, , 93-107.		0
6132	MicroRNAs in posttraumatic stress disorder. , 2022, , 285-306.		1

#	Article	IF	Citations
6133	SF3B4 promotes ovarian cancer progression by regulating alternative splicing of RAD52. Cell Death and Disease, 2022, 13, 179.	2.7	12
6134	Modulation of miRISC-Mediated Gene Silencing in Eukaryotes. Frontiers in Molecular Biosciences, 2022, 9, 832916.	1.6	7
6135	Long Noncoding RNA LINCO2470 Sponges MicroRNA-143-3p and Enhances SMAD3-Mediated Epithelial-to-Mesenchymal Transition to Promote the Aggressive Properties of Bladder Cancer. Cancers, 2022, 14, 968.	1.7	11
6136	MicroRNA regulates the toxicological mechanism of four mycotoxins in vivo and in vitro. Journal of Animal Science and Biotechnology, 2022, 13, 37.	2.1	8
6137	Diverse Roles and Targets of miRNA in the Pathogenesis of Testicular Germ Cell Tumour. Cancers, 2022, 14, 1190.	1.7	9
6138	Oxidative Stress and Cancer Heterogeneity Orchestrate NRF2 Roles Relevant for Therapy Response. Molecules, 2022, 27, 1468.	1.7	14
6139	MicroRNA $3\hat{a}\in^2$ -compensatory pairing occurs through two binding modes, with affinity shaped by nucleotide identity and position. ELife, 2022, 11 , .	2.8	26
6140	Hsa_circ_0007059 promotes apoptosis and inflammation in cardiomyocytes during ischemia by targeting microRNA-378 and microRNA-383. Cell Cycle, 2022, , 1-17.	1.3	5
6142	Validation in an Independent Cohort of MiR-122, MiR-1271, and MiR-15b as Urinary Biomarkers for the Potential Early Diagnosis of Clear Cell Renal Cell Carcinoma. Cancers, 2022, 14, 1112.	1.7	18
6143	Identification of miR-34-3p as a Candidate Follicular Phase Serum Marker for Endometriosis: a pilot study. F&S Science, 2022, , .	0.5	0
6144	Binding sites of miRNA on the overexpressed genes of oral cancer using 7mer-seed match. Molecular and Cellular Biochemistry, 2022, 477, 1507-1526.	1.4	0
6145	The effect of dexamethasone on uterine receptivity, mediated by the ERK1/2-mTOR pathway, and the implantation window: An experimental study. International Journal of Reproductive BioMedicine, 2022, 20, 47-58.	0.5	4
6146	Roles of the Core Components of the Mammalian miRISC in Chromatin Biology. Genes, 2022, 13, 414.	1.0	3
6147	Beyond the Code: Noncoding RNAs in Skin Wound Healing. Cold Spring Harbor Perspectives in Biology, 2022, 14, a041230.	2.3	9
6148	Sequential Delivery of Different MicroRNA Nanocarriers Facilitates the M1-to-M2 Transition of Macrophages. ACS Omega, 2022, 7, 8174-8183.	1.6	4
6149	Multiplexed targeting of microRNA in stem cell-derived extracellular vesicles for regenerative medicine. BMB Reports, 2022, 55, 65-71.	1.1	2
6150	Evaluation of Early Biomarkers of Atherosclerosis Associated with Polychlorinated Biphenyl Exposure: An <i>in Vitro</i> and <i>in Vivo</i> Study. Environmental Health Perspectives, 2022, 130, 37011.	2.8	11
6152	Expression characteristics and interaction networks of microRNAs in spleen tissues of grass carp (Ctenopharyngodon idella). PLoS ONE, 2022, 17, e0266189.	1.1	5

#	Article	IF	CITATIONS
6153	Comparative Analysis of microRNA Binding Site Distribution and microRNA-Mediated Gene Expression Repression of Oncogenes and Tumor Suppressor Genes. Genes, 2022, 13, 481.	1.0	8
6155	An Alternative Class of Targets for microRNAs Containing CG Dinucleotide. Biology, 2022, 11, 478.	1.3	2
6156	Non-coding RNAs in Neonatal Necrotizing Enterocolitis. , 2022, 1, 120-130.		0
6157	Emerging Biomarkers of Multiple Sclerosis in the Blood and the CSF: A Focus on Neurofilaments and Therapeutic Considerations. International Journal of Molecular Sciences, 2022, 23, 3383.	1.8	9
6158	Integrative analysis of key microRNA-mRNA complexes and pathways in aortic aneurysm. Annals of Translational Medicine, 2022, 10, 358-358.	0.7	1
6159	Quantitative Volumetric CT Analysis of COVID-19 Pneumonia and Correlation with Neutrophillymphocyte Ratio. Bagcilar Medical Bulletin, 2022, 7, 56-62.	0.0	0
6160	Tear miRNAs Identified in a Murine Model of Sjögren's Syndrome as Potential Diagnostic Biomarkers and Indicators of Disease Mechanism. Frontiers in Immunology, 2022, 13, 833254.	2.2	7
6161	miRNA-guided reprogramming of glucose and glutamine metabolism and its impact on cell adhesion/migration during solid tumor progression. Cellular and Molecular Life Sciences, 2022, 79, 216.	2.4	11
6162	The intricate balance between microRNAâ€induced mRNA decay and translational repression. FEBS Journal, 2023, 290, 2508-2524.	2.2	37
6163	miRNAs Contained in Extracellular Vesicles Cargo Contribute to the Progression of Idiopathic Pulmonary Fibrosis: An In Vitro Aproach. Cells, 2022, 11, 1112.	1.8	8
6164	Novel Biomarkers of microRNAs in Gastric Cancer: An Overview from Diagnosis to Treatment. MicroRNA (Shariqah, United Arab Emirates), 2022, 11, 12-24.	0.6	1
6165	Impact of miR-1/miR-133 Clustered miRNAs: PFN2 Facilitates Malignant Phenotypes in Head and Neck Squamous Cell Carcinoma. Biomedicines, 2022, 10, 663.	1.4	4
6167	MicroRNA-mRNA Regulatory Network Mediates Activation of mTOR and VEGF Signaling in African American Prostate Cancer. International Journal of Molecular Sciences, 2022, 23, 2926.	1.8	11
6168	Circulating MicroRNAs as Novel Biomarkers in Risk Assessment and Prognosis of Coronary Artery Disease. European Cardiology Review, 2022, 17, e06.	0.7	8
6169	The MicroRNA miR-277 Controls Physiology and Pathology of the Adult Drosophila Midgut by Regulating the Expression of Fatty Acid \hat{I}^2 -Oxidation-Related Genes in Intestinal Stem Cells. Metabolites, 2022, 12, 315.	1.3	5
6170	Milk exosomes in nutrition and drug delivery. American Journal of Physiology - Cell Physiology, 2022, 322, C865-C874.	2.1	17
6171	PRP4 Induces Epithelial–Mesenchymal Transition and Drug Resistance in Colon Cancer Cells via Activation of p53. International Journal of Molecular Sciences, 2022, 23, 3092.	1.8	9
6173	miRNAs in SARS-CoV-2 Infection: An Update. Current Drug Metabolism, 2022, 23, .	0.7	2

#	Article	IF	CITATIONS
6174	Emerging concepts of miRNA therapeutics: from cells to clinic. Trends in Genetics, 2022, 38, 613-626.	2.9	212
6175	The World of Oral Cancer and Its Risk Factors Viewed from the Aspect of MicroRNA Expression Patterns. Genes, 2022, 13, 594.	1.0	11
6176	Single-molecule imaging of microRNA-mediated gene silencing in cells. Nature Communications, 2022, 13, 1435.	5.8	24
6177	Integrative approaches for studying the role of noncoding RNAs in influencing drug efficacy and toxicity. Expert Opinion on Drug Metabolism and Toxicology, 2022, 18, 151-163.	1.5	2
6178	microRNA expression levels in the nucleus accumbens correlate with morphineâ€taking but not morphineâ€seeking behaviour in male rats. European Journal of Neuroscience, 2022, 55, 1742-1755.	1.2	6
6179	Epigenetic regulation of human non-coding RNA gene transcription. Biochemical Society Transactions, 2022, 50, 723-736.	1.6	11
6180	MiR-7-5p suppresses invasion via downregulation of the autophagy-related gene ATG7 and increases chemoresistance to cisplatin in BCa. Bioengineered, 2022, 13, 7328-7339.	1.4	9
6181	miR-93-5p suppresses ovarian cancer malignancy and negatively regulate CCND2 by binding to its 3â€2UTR region. Discover Oncology, 2022, 13, 15.	0.8	5
6182	MicroRNAs and Efferocytosis: Implications for Diagnosis and Therapy. Mini-Reviews in Medicinal Chemistry, 2022, 22, .	1.1	1
6183	The Role of microRNA in the Inflammatory Response of Wound Healing. Frontiers in Immunology, 2022, 13, 852419.	2.2	18
6184	MiRNAs as predictors of bipolar disorder diagnosis and treatment response., 2022,, 223-237.		0
6185	Signatures of genetic variation in human microRNAs point to processes of positive selection and population-specific disease risks. Human Genetics, 2022, 141, 1673-1693.	1.8	3
6186	Understanding microRNAs in the Context of Infection to Find New Treatments against Human Bacterial Pathogens. Antibiotics, 2022, 11, 356.	1.5	5
6187	Differential mRNA Expression and Circular RNA-Based Competitive Endogenous RNA Networks in the Three Stages of Heart Failure in Transverse Aortic Constriction Mice. Frontiers in Physiology, 2022, 13, 777284.	1.3	8
6188	Targeting autophagy in prostate cancer: preclinical and clinical evidence for therapeutic response. Journal of Experimental and Clinical Cancer Research, 2022, 41, 105.	3.5	67
6189	Nucleic Acid-Based COVID-19 Therapy Targeting Cytokine Storms: Strategies to Quell the Storm. Journal of Personalized Medicine, 2022, 12, 386.	1.1	5
6190	miR-378 affects metabolic disturbances in the mdx model of Duchenne muscular dystrophy. Scientific Reports, 2022, 12, 3945.	1.6	7
6191	The roles of microRNAs in regulating root formation and growth in plants. Journal of Integrative Agriculture, 2022, 21, 901-916.	1.7	11

#	Article	IF	CITATIONS
6192	Clinical Implications of Krüpple-like Transcription Factor KLF-14 and Certain Micro-RNA (miR-27a,) Tj ETQq0 0	0 rgBT /0v 1.1	erlock 10 Tf 5
6193	Personalized Medicine, 2022, 12, 586. Monocyte subpopulation profiling indicates CDK6-derived cell differentiation and identifies subpopulation-specific miRNA expression sets in acute and stable coronary artery disease. Scientific Reports, 2022, 12, 5589.	1.6	7
6194	miR-142a-3p Enhances FlaA N/C Protection Against Radiation-Mediated Intestinal Injury by Modulating the IRAK1/NF-κB Signaling Pathway. International Journal of Radiation Oncology Biology Physics, 2022, 112, 1256-1268.	0.4	9
6195	High miR203a-3p and miR-375 expression in the airways of smokers with and without COPD. Scientific Reports, 2022, 12, 5610.	1.6	5
6196	Integrated analysis of expression profiles with meat quality traits in cattle. Scientific Reports, 2022, 12, 5926.	1.6	4
6197	Non-coding RNAs and macrophage interaction in tumor progression. Critical Reviews in Oncology/Hematology, 2022, 173, 103680.	2.0	28
6198	Small RNA Expression Profiling Reveals hsa-miR-181d-5p Downregulation Associated With TNF-α Overexpression in Sjögren's Syndrome Patients. Frontiers in Immunology, 2022, 13, 870094.	2.2	6
6199	Human pancreatic islet miRNA-mRNA networks of altered miRNAs due to glycemic status. IScience, 2022, 25, 103995.	1.9	7
6200	Dual regulation of miR-375 and CREM genes in pancreatic beta cells. Islets, 2022, 14, 139-148.	0.9	0
6201	New insights into peripheral nerve regeneration: The role of secretomes. Experimental Neurology, 2022, 354, 114069.	2.0	21
6203	Transcriptomic and functional studies reveal miR-431-5p as a tumour suppressor in pancreatic ductal adenocarcinoma cells. Gene, 2022, 822, 146346.	1.0	2
6204	MicroRNA-140–5p exacerbates vascular cognitive impairment by inhibiting neurogenesis in the adult mouse hippocampus after global cerebral ischemia. Brain Research Bulletin, 2022, 183, 73-83.	1.4	5
6205	Identification and functional analysis of miRNAs in skeletal muscle of juvenile and adult largemouth bass, Micropterus salmoides. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2022, 42, 100985.	0.4	1
6206	Identification of potential target genes in Homo sapiens, by miRNA of Triticum aestivum: A cross kingdom computational approach. Non-coding RNA Research, 2022, 7, 89-97.	2.4	1
6207	Long Non-Coding RNA Prostate Cancer Non-Coding RNA 1/miR-211-5p/Death Effector Domain Containing 2 Axis Affects Preeclampsia by Modulating Trophoblast Cells Proliferation and Apoptosis. Journal of Biomaterials and Tissue Engineering, 2022, 12, 1370-1377.	0.0	0
6208	Competing endogenous RNA-networks reveal key regulatory microRNAs involved in the response of Atlantic salmon to a novel orthomyxovirus. Developmental and Comparative Immunology, 2022, 132, 104396.	1.0	2
6209	The Role of miR-21 on the Expression of $\hat{I}^2\text{2-Microglobulin}$ in Steroid-resistant Nephrotic Syndrome Children. , 2021, , .		0
6211	Polymorphisms in MicroRNA Genes Associated with Schizophrenia Susceptibility but Not with Effectiveness of MECT. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-7.	0.7	3

#	Article	IF	CITATIONS
6212	Prophylactic Knockdown of the miR-183/96/182 Cluster Ameliorates <i>Pseudomonas aeruginosa</i>)–Induced Keratitis., 2021, 62, 14.		2
6213	CircRNA-WNK2 Acts as a ceRNA for miR-328a-3p to Promote AANAT Expression in the Male Rat Pineal Gland. Endocrinology, 2022, 163, .	1.4	4
6214	Technological Approaches in the Analysis of Extracellular Vesicle Nucleotide Sequences. Frontiers in Bioengineering and Biotechnology, 2021, 9, 787551.	2.0	5
6215	Sequencing of Argonaute-bound microRNA/mRNA hybrids reveals regulation of the unfolded protein response by microRNA-320a. PLoS Genetics, 2021, 17, e1009934.	1.5	9
6216	Metastatic EMT Phenotype Is Governed by MicroRNA-200-Mediated Competing Endogenous RNA Networks. Cells, 2022, 11, 73.	1.8	8
6217	A regulatory miRNA–mRNA network is associated with transplantation response in acute kidney injury. Human Genomics, 2021, 15, 69.	1.4	4
6219	Exosomal microRNA Differential Expression in Plasma of Young Adults with Chronic Mild Traumatic Brain Injury and Healthy Control. Biomedicines, 2022, 10, 36.	1.4	6
6220	Cellular miR-150-5p may have a crucial role to play in the biology of SARS-CoV-2 infection by regulating <i>nsp10</i>	1.5	35
6221	Physiologically relevant miRNAs in mammalian oocytes are rare and highly abundant. EMBO Reports, 2022, 23, e53514.	2.0	4
6222	Predicting the possible effect of miR-203a-3p and miR-29a-3p on <i>DNMT3B</i> and <i>GAS7</i> genes expression. Journal of Integrative Bioinformatics, 2022, 19, .	1.0	3
6223	Reexamining assumptions about miRNA-guided gene silencing. Nucleic Acids Research, 2022, 50, 617-634.	6.5	57
6224	Contributions of microRNAs to Peripheral Insulin Sensitivity. Endocrinology, 2022, 163, .	1.4	6
6225	The Study of Cerebrospinal Fluid microRNAs in Spinal Cord Injury and Neurodegenerative Diseases: Methodological Problems and Possible Solutions. International Journal of Molecular Sciences, 2022, 23, 114.	1.8	6
6226	MicroRNA and Gut Microbiota: Tiny but Mightyâ€"Novel Insights into Their Cross-talk in Inflammatory Bowel Disease Pathogenesis and Therapeutics. Journal of Crohn's and Colitis, 2022, 16, 992-1005.	0.6	26
6227	Circulatory MicroRNAs in Plasma and Atrial Fibrillation in the General Population: The Rotterdam Study. Genes, 2022, 13, 11.	1.0	12
6228	Role of microRNAs in the Pathophysiology of Ulcerative Colitis. Immuno, 2021, 1, 558-573.	0.6	1
6229	Eph signaling is regulated by miRNAâ€⊋10: Implications for corneal epithelial repair. FASEB Journal, 2022, 36, e22076.	0.2	3
6230	miRModuleNet: Detecting miRNA-mRNA Regulatory Modules. Frontiers in Genetics, 2022, 13, 767455.	1.1	16

#	Article	IF	CITATIONS
6231	miRNA'lar: Biyogenezi, Analiz Yöntemleri ve Biyobelirteç Potansiyeli. Van Sağlık Bilimleri Dergisi, 0, , .	0.6	0
6232	A rationalized definition of general tumor suppressor microRNAs excludes miR-34a. Nucleic Acids Research, 2022, 50, 4703-4712.	6.5	6
6233	Investigation of the relationship between miR-33a, miR-122, erythrocyte membrane fatty acids profile, and serum lipids with components of metabolic syndrome in type 2 diabetic patients. Research in Pharmaceutical Sciences, 2022, 17, 242.	0.6	5
6234	Profiling of circulating chromosome 21â€encoded <scp>microRNAs</scp> , <scp>miR</scp> â€155, and letâ€7c, in down syndrome. Molecular Genetics & Genomic Medicine, 2022, 10, e1938.	0.6	3
6235	miRNA Regulome in Different Atherosclerosis Phenotypes. Molecular Biology, 2022, 56, 166-181.	0.4	3
6236	miR-26a-5p and miR-125b-5p affect trophoblast genes and cell functions important during early pregnancy. Biology of Reproduction, 2022, 107, 590-604.	1.2	10
6237	Comprehensive analysis of epigenetics regulation, prognostic and the correlation with immune infiltrates of GPX7 in adult gliomas. Scientific Reports, 2022, 12, 6442.	1.6	3
6238	MicroRNAs as Regulators of Phagocytosis. Cells, 2022, 11, 1380.	1.8	2
6239	LncRNA HOTAIR promotes proliferation and suppresses apoptosis of mouse spermatogonium GC-1 cells by sponging miR-761 to modulate NANOS2 expression. In Vitro Cellular and Developmental Biology - Animal, 2022, 58, 295-306.	0.7	2
6240	Secondary structure RNA elements control the cleavage activity of DICER. Nature Communications, 2022, 13, 2138.	5.8	21
6241	Emerging Evidence of Noncoding RNAs in Bleb Scarring after Glaucoma Filtration Surgery. Cells, 2022, 11, 1301.	1.8	8
6242	Exosomal and Non-Exosomal MicroRNAs: New Kids on the Block for Cancer Therapy. International Journal of Molecular Sciences, 2022, 23, 4493.	1.8	9
6243	A novel ceRNA-immunoregulatory axis based on immune cell infiltration in ulcerative colitis-associated colorectal carcinoma by integrated weighted gene co-expression network analysis. BMC Gastroenterology, 2022, 22, 188.	0.8	1
6244	Impact of microRNA Regulated Macrophage Actions on Adipose Tissue Function in Obesity. Cells, 2022, 11, 1336.	1.8	7
6245	MicroRNA-183-5p regulates MITF expression in vitiligo skin depigmentation. Nucleosides, Nucleotides and Nucleic Acids, 2022, 41, 703-723.	0.4	5
6246	Detection and Quantification of Immunoregulatory miRNAs in Human Milk and Infant Milk Formula. BioTech, 2022, 11, 11.	1.3	5
6247	MicroRNA Profile of MA-104 Cell Line Associated With the Pathogenesis of Bovine Rotavirus Strain Circulated in Chinese Calves. Frontiers in Microbiology, 2022, 13, 854348.	1.5	1
6248	Role of non-coding RNAs on liver metabolism and NAFLD pathogenesis. Human Molecular Genetics, 2022, 31, R4-R21.	1.4	6

#	Article	IF	CITATIONS
6249	Profiling the IncRNA-miRNA-mRNA interaction network in the submandibular gland of diabetic mice. BMC Endocrine Disorders, 2022, 22, 109.	0.9	0
6251	Targeting of Mcl-1 Expression by MiRNA-3614-5p Promotes Cell Apoptosis of Human Prostate Cancer Cells. International Journal of Molecular Sciences, 2022, 23, 4194.	1.8	5
6252	Roles and mechanisms of miR-195–5p in human solid cancers. Biomedicine and Pharmacotherapy, 2022, 150, 112885.	2.5	17
6253	Chapter 7. Identification of MicroRNAs as Targets for Treatment of Ischemic Stroke. RSC Drug Discovery Series, 0, , 105-127.	0.2	0
6416	Novel Pharmacological Targets for Pulmonary Arterial Hypertension. , 2021, 11, 2297-2349.		5
6417	SARS-COV-2 as potential microRNA sponge in COVID-19 patients. BMC Medical Genomics, 2022, 15, 94.	0.7	17
6418	Dynamic expression changes between non-muscle-invasive bladder cancer and muscle-invasive bladder cancer. Tumori, 2014, 100, e273-81.	0.6	1
6424	Discovery of miR-mRNA interactions via simultaneous Bayesian inference of gene networks and clusters using sequence-based predictions and expression data. Journal of Integrative Bioinformatics, 2013, 10, 227.	1.0	2
6425	The miR-26 family regulates early B cell development and transformation. Life Science Alliance, 2022, 5, e202101303.	1.3	5
6426	Circulating and Platelet MicroRNAs in Cardiovascular Risk Assessment and Antiplatelet Therapy Monitoring. Journal of Clinical Medicine, 2022, 11, 1763.	1.0	9
6427	Regenerative medicine based on multiplexed targeting of microRNAs in stem cell-derived extracellular vesicles BMB Reports, 2022, , .	1.1	0
6428	miR-3132 upregulates surface TRAIL to induce apoptotic cell death in cancer cells American Journal of Cancer Research, 2022, 12, 315-326.	1.4	0
6429	Over-expression of miR-193a-3p regulates the apoptosis of colorectal cancer cells by targeting PAK3 American Journal of Translational Research (discontinued), 2022, 14, 1361-1375.	0.0	0
6431	<i>enrichMiR</i> predicts functionally relevant microRNAs based on target collections. Nucleic Acids Research, 2022, 50, W280-W289.	6.5	5
6432	Downregulation of microRNA?342-3p eases insulin resistance and liver gluconeogenesis via regulating Rfx3 in gestational diabetes mellitus. Critical Reviews in Eukaryotic Gene Expression, 2022, , .	0.4	2
6434	Critical contribution of 3′ non-seed base pairing to the inÂvivo function of the evolutionarily conserved let-7a microRNA. Cell Reports, 2022, 39, 110745.	2.9	15
6435	Senescence-Associated miRNAs and Their Role in Pancreatic Cancer. Pathology and Oncology Research, 2022, 28, 1610156.	0.9	4
6437	Characterizing the Inflammatory Microenvironment in K14-HPV16 Transgenic Mice: Mast Cell Infiltration and MicroRNA Expression. Cancers, 2022, 14, 2216.	1.7	4

#	Article	IF	Citations
6438	Effects of Desflurane exposure and Laparotomy on genomic biomarkers and hepatic histopathology in an experimentally induced liver injury model: A pilot study. Egyptian Journal of Anaesthesia, 2022, 38, 242-248.	0.2	0
6439	Intramolecular ligation method (iLIME) for pre-miRNA quantification and sequencing. Rna, 2022, 28, 1028-1038.	1.6	3
6441	Case Report: Micro-RNAs in Plasma From Bilateral Inferior Petrosal Sinus Sampling and Peripheral Blood From Corticotroph Pituitary Neuroendocrine Tumors. Frontiers in Endocrinology, 2022, 13, 748152.	1.5	1
6442	Oncogenomic Changes in Pancreatic Cancer and Their Detection in Stool. Biomolecules, 2022, 12, 652.	1.8	6
6443	Ebola Virus Encodes Two microRNAs in Huh7-Infected Cells. International Journal of Molecular Sciences, 2022, 23, 5228.	1.8	6
6444	A Potential Target for Diabetic Vascular Damage: High Glucose-Induced Monocyte Extracellular Vesicles Impair Endothelial Cells by Delivering miR-142-5p. Frontiers in Bioengineering and Biotechnology, 2022, 10, .	2.0	5
6445	A comprehensive review on high -fat diet-induced diabetes mellitus: an epigenetic view. Journal of Nutritional Biochemistry, 2022, 107, 109037.	1.9	23
6446	MicroRNAs in kidney development and disease. JCI Insight, 2022, 7, .	2.3	16
6447	Identification and Functional Assays of Single Nucleotide Variants of Opsins Genes in Melanocytic Tumors. Pigment Cell and Melanoma Research, 2022, , .	1.5	1
6448	Exploring Association Between Serotonin and Neurogenesis Related Genes in Obsessive-Compulsive Disorder in Chinese Han People: Promising Association Between DMRT2, miR-30a-5p, and Early-Onset Patients. Frontiers in Psychiatry, 2022, 13, .	1.3	2
6449	MicroRNA as an Early Biomarker of Neonatal Sepsis. Frontiers in Pediatrics, 2022, 10, .	0.9	11
6450	Small Extracellular Vesicles in Milk Cross the Blood-Brain Barrier in Murine Cerebral Cortex Endothelial Cells and Promote Dendritic Complexity in the Hippocampus and Brain Function in C57BL/6J Mice. Frontiers in Nutrition, 2022, 9, .	1.6	16
6451	Sufentanil alleviates pre-eclampsia via silencing microRNA-24-3p to target $11\hat{l}^2$ -Hydroxysteroid dehydrogenase type 2. Bioengineered, 2022, 13, 11456-11470.	1.4	3
6452	Analysis of a miR-148a Targetome in B Cell Central Tolerance. Frontiers in Immunology, 2022, 13, .	2.2	3
6453	MicroRNA-217 modulates pancreatic cancer progression via targeting ATAD2. Life Sciences, 2022, 301, 120592.	2.0	16
6454	AGO-RBP crosstalk on target mRNAs: Implications in miRNA-guided gene silencing and cancer. Translational Oncology, 2022, 21, 101434.	1.7	8
6455	mRNA-miRNA sequencing reveals mechanisms of 2,2′-dipyridyl disulfide-induced thyroid disruption in Japanese flounder (Paralichthys olivaceus). Aquatic Toxicology, 2022, 248, 106191.	1.9	0
6456	The Biological Nature of Human Language. Biolinguistics, 2010, 4, 004-034.	0.6	26

#	Article	IF	CITATIONS
6457	Identification of Radiation-Induced miRNA Biomarkers Using the CGL1 Cell Model System. Bioengineering, 2022, 9, 214.	1.6	1
6458	Circular RNA circLRCH3 Inhibits Proliferation, Migration, and Invasion of Colorectal Cancer Cells Through miRNA-223/LPP Axis. OncoTargets and Therapy, 0, Volume 15, 541-554.	1.0	3
6459	Target binding triggers hierarchical phosphorylation of human Argonaute-2 to promote target release. ELife, 0, 11 , .	2.8	11
6460	Small RNA sequencing and identification of papaya (Carica papaya L.) miRNAs with potential cross-kingdom human gene targets. Molecular Genetics and Genomics, 2022, 297, 981-997.	1.0	7
6461	Potentials of long non-coding RNAs as biomarkers of colorectal cancer. Clinical and Translational Oncology, 2022, 24, 1715-1731.	1.2	3
6462	MicroRNA. , 2022, , 4293-4296.		0
6463	Serum miRNA Profile in Diabetic Patients With Ischemic Heart Disease as a Promising Non-Invasive Biomarker. Frontiers in Endocrinology, 2022, 13, .	1.5	6
6464	Immunomodulatory Properties of Human Breast Milk: MicroRNA Contents and Potential Epigenetic Effects. Biomedicines, 2022, 10, 1219.	1.4	18
6465	The Profile of MicroRNA Expression and Potential Role in the Regulation of Drug-Resistant Genes in Doxorubicin and Topotecan Resistant Ovarian Cancer Cell Lines. International Journal of Molecular Sciences, 2022, 23, 5846.	1.8	7
6466	Systematic analysis of nutrigenomic effects of polyphenols related to cardiometabolic health in humans – Evidence from untargeted mRNA and miRNA studies. Ageing Research Reviews, 2022, 79, 101649.	5.0	11
6467	Elevated endogenous GDNF induces altered dopamine signalling in mice and correlates with clinical severity in schizophrenia. Molecular Psychiatry, 2022, 27, 3247-3261.	4.1	9
6469	Noncoding RNA actions through IGFs and IGF binding proteins in cancer. Oncogene, 2022, 41, 3385-3393.	2.6	6
6470	Circulating MicroRNAs as a Tool for Diagnosis of Liver Disease Progression in People Living with HIV-1. Viruses, 2022, 14, 1118.	1.5	4
6471	The long non-coding RNA MEG8 induces an endothelial barrier through regulation of microRNA-370 and -494 processing. Journal of Cell Science, 2022, 135, .	1.2	3
6472	A Common Variant at the 3'untranslated Region of the CCL7 Gene (rs17735770) Is Associated With Decreased Susceptibility to Coronary Heart Disease. Frontiers in Cardiovascular Medicine, 2022, 9, .	1.1	1
6473	Cartilage Homeostasis and Osteoarthritis. International Journal of Molecular Sciences, 2022, 23, 6316.	1.8	48
6474	MicroRNA Regulation of Human Herpesvirus Latency. Viruses, 2022, 14, 1215.	1.5	10
6475	MicroRNAs as therapeutic targets in cardiovascular disease. Journal of Clinical Investigation, 2022, 132, .	3.9	50

#	Article	IF	CITATIONS
6476	Differentially Expressed miRNAs in Ulcerative Colitis and Crohn's Disease. Frontiers in Immunology, 2022, 13, .	2.2	15
6477	Identification of a Novel HBV Encoded miRNA Using Next Generation Sequencing. Viruses, 2022, 14, 1223.	1.5	5
6478	Stage-specific miRNAs regulate gene expression associated with growth, development and parasite-host interaction during the intra-mammalian migration of the zoonotic helminth parasite Fasciola hepatica. BMC Genomics, 2022, 23, .	1,2	10
6481	Machine-learning-based Analysis Identifies miRNA Expression Profile for Diagnosis and Prediction of Colorectal Cancer: A Preliminary Study. Cancer Genomics and Proteomics, 2022, 19, 503-511.	1.0	3
6482	Research Progress on MicroRNA-155 Associated with Mycobacterium tuberculosis Infection. Advances in Clinical Medicine, 2022, 12, 5491-5499.	0.0	0
6483	Nucleic Acid Synthesis/Breakdown: RNA Synthesis/Function – miRNAs/Small Noncoding RNAs. , 2022, , .		0
6484	Microarray Analysis of MicroRNA Expression Profiles in Newborn and Adult Rats Hippocampus. Yangtze Medicine, 2022, 06, 24-40.	0.1	0
6485	Micro-ribonucleic acid modulation with oxidative stress and inflammation in patients with type 2 diabetes mellitus – a review article. Archives of Medical Science, 2022, 18, 870-880.	0.4	3
6486	Extracellular Vesicles and Their Associated miRNAs as Potential Biomarkers in Intracranial Aneurysm. Frontiers in Molecular Biosciences, 0, 9, .	1.6	3
6487	Differentially Expressed miRNAs in Age-Related Neurodegenerative Diseases: A Meta-Analysis. Genes, 2022, 13, 1034.	1.0	4
6488	Detection of features predictive of microRNA targets by integration of network data. PLoS ONE, 2022, 17, e0269731.	1.1	0
6489	Specific microRNAs and heart failure: time for the next step toward application?. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2022, 166, 359-368.	0.2	2
6490	Impact of smokingâ€induced dysregulated human miRNAs in chronic disease development and their potential use in prognostic and therapeutic purposes. Journal of Biochemical and Molecular Toxicology, 0, , .	1.4	3
6491	Leptin modulated microRNA-628-5p targets Jagged-1 and inhibits prostate cancer hallmarks. Scientific Reports, 2022, 12, .	1.6	10
6492	The Role of MicroRNA in the Regulation of Tumor Epithelial–Mesenchymal Transition. Cells, 2022, 11, 1981.	1.8	14
6493	Transposable elements contribute to the spatiotemporal microRNA landscape in human brain development. Rna, 2022, 28, 1157-1171.	1.6	6
6494	Role of MicroRNAs in Signaling Pathways Associated with the Pathogenesis of Idiopathic Pulmonary Fibrosis: A Focus on Epithelial-Mesenchymal Transition. International Journal of Molecular Sciences, 2022, 23, 6613.	1.8	5
6495	MicroRNAs miR-629-3p, miR-1202 and miR-1225-5p as potential diagnostic and surgery outcome biomarkers for mesial temporal lobe epilepsy with hippocampal sclerosis. Neurochirurgie, 2022, , .	0.6	4

#	ARTICLE	IF	CITATIONS
6496	Developmental Alterations of Colonic microRNA Profiles Imply Potential Biological Functions in Kid Goats. Animals, 2022, 12, 1533.	1.0	1
6497	MicroRNAs and other small RNAs in Aedes aegypti saliva and salivary glands following chikungunya virus infection. Scientific Reports, 2022, 12, .	1.6	3
6498	The Tsetse Metabolic Gambit: Living on Blood by Relying on Symbionts Demands Synchronization. Frontiers in Microbiology, $0,13,13$	1.5	0
6499	Celastrol inhibits pathologic neovascularization in oxygen-induced retinopathy by targeting the miR-17-5p/HIF-1α/VEGF pathway. Cell Cycle, 2022, 21, 2091-2108.	1.3	9
6500	The role of lncRNA-mediated ceRNA regulatory networks in pancreatic cancer. Cell Death Discovery, 2022, 8, .	2.0	50
6501	KLF5â€ʻinduced miRâ€ʻ487a augments the progression of osteosarcoma cells by targeting NKX3â€ʻ1 <i>inÂvitro</i> . Oncology Letters, 2022, 24, .	0.8	1
6502	Exosomes derived from magnetically actuated bone mesenchymal stem cells promote tendon-bone healing through the miR-21-5p/SMAD7 pathway. Materials Today Bio, 2022, 15, 100319.	2.6	15
6503	MicroRNAs in the Regulation of Solute Carrier Proteins Behind Xenobiotic and Nutrient Transport in Cells. Frontiers in Molecular Biosciences, 0, 9, .	1.6	4
6504	Post-Transcriptional Effects of miRNAs on PCSK7 Expression and Function: miR-125a-5p, miR-143-3p, and miR-409-3p as Negative Regulators. Metabolites, 2022, 12, 588.	1.3	2
6505	miRNA-486-5p: signaling targets and role in non-malignant disease. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	11
6506	Anatomy of four human Argonaute proteins. Nucleic Acids Research, 2022, 50, 6618-6638.	6.5	42
6507	The Role of MicroRNAs in Hyperlipidemia: From Pathogenesis to Therapeutical Application. Mediators of Inflammation, 2022, 2022, 1-10.	1.4	6
6508	Prognostic MicroRNA Panel for HCV-Associated HCC: Integrating Computational Biology and Clinical Validation. Cancers, 2022, 14, 3036.	1.7	5
6509	Recent Deep Learning Methodology Development for RNA–RNA Interaction Prediction. Symmetry, 2022, 14, 1302.	1.1	2
6510	Noncoding RNAs in Thyroid-Follicular-Cell-Derived Carcinomas. Cancers, 2022, 14, 3079.	1.7	6
6511	PUMILIO competes with AUF1 to control DICER1 RNA levels and miRNA processing. Nucleic Acids Research, 2022, 50, 7048-7066.	6.5	5
6512	Osteoblastic microRNAs in skeletal diseases: Biological functions and therapeutic implications. Engineered Regeneration, 2022, 3, 241-257.	3.0	3
6513	Functional Characterization of p53 in NPC C666-1 Cells by CRISPR-Based Gene Knockout and Transcriptome Sequencing. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	CITATIONS
6515	MicroRNA expression in male infertility. Reproduction, Fertility and Development, 2022, , .	0.1	3
6516	Structural Analysis of microRNAs in Myeloid Cancer Reveals Consensus Motifs. Genes, 2022, 13, 1152.	1.0	0
6517	Pathogenic Role of MicroRNA Dysregulation in Podocytopathies. Frontiers in Physiology, $0,13,.$	1.3	2
6518	Role of non-coding RNAs in response to environmental exposure and mediating epigenetic inheritance in mammals. Scientia Sinica Vitae, 2022, 52, 1137-1147.	0.1	2
6519	Nematode microRNAs can Individually Regulate Interferon Regulatory Factor 4 and mTOR in Differentiating T Helper 2 Lymphocytes and Modulate Cytokine Production in Macrophages. Frontiers in Molecular Biosciences, 0, 9, .	1.6	7
6520	Genome-wide identification of chicken bursae of Fabricius miRNAs in response to very virulent infectious bursal disease virus. Archives of Virology, 2022, 167, 1855-1864.	0.9	4
6521	MicroRNA-30c-2-3p represses malignant progression of gastric adenocarcinoma cells via targeting ARHGAP11A. Bioengineered, 2022, 13, 14534-14544.	1.4	2
6522	Molecular Targets and Signaling Pathways of microRNA-122 in Hepatocellular Carcinoma. Pharmaceutics, 2022, 14, 1380.	2.0	14
6523	HDAC11 Regulates the Proliferation of Bovine Muscle Stem Cells through the Notch Signaling Pathway and Inhibits Muscle Regeneration. Journal of Agricultural and Food Chemistry, 2022, 70, 9166-9178.	2.4	6
6525	Small <scp>RNAs</scp> in Cnidaria: A review. Evolutionary Applications, 0, , .	1.5	3
6527	TLNPMD: Prediction of miRNA-Disease Associations Based on miRNA-Drug-Disease Three-Layer Heterogeneous Network. Molecules, 2022, 27, 4371.	1.7	2
6528	Proteomic and miRNA profiling of radon-induced skin damage in mice: FASN regulated by miRNAs. Journal of Radiation Research, 0, , .	0.8	1
6531	Cellular microRNAs Correlate with Clinical Parameters in Polytrauma Patients. Journal of Trauma and Acute Care Surgery, 0, Publish Ahead of Print, .	1.1	0
6532	MiR-30c-1-3p targets matrix metalloproteinase 9 involved in the rupture of abdominal aortic aneurysms. Journal of Molecular Medicine, 0 , , .	1.7	1
6534	MicroRNA target prediction tools for animals: Where we are at and where we are going to - A Systematic Review. Computational Biology and Chemistry, 2022, , 107729.	1.1	2
6535	Gain of Chromosome 1q Perturbs a Competitive Endogenous RNA Network to Promote Melanoma Metastasis. Cancer Research, 2022, 82, 3016-3031.	0.4	2
6536	Single-molecule FRET uncovers hidden conformations and dynamics of human Argonaute 2. Nature Communications, 2022, 13, .	5.8	19
6537	miR-34a negatively regulates cell cycle factor Cdt2/DTL in HPV infected cervical cancer cells. BMC Cancer, 2022, 22, .	1.1	6

#	ARTICLE	IF	CITATIONS
6538	Identification of MiRNA–Disease Associations Based on Information of Multi-Module and Meta-Path. Molecules, 2022, 27, 4443.	1.7	1
6539	Paired miRNA- and messenger RNA-sequencing identifies novel miRNA-mRNA interactions in multiple myeloma. Scientific Reports, 2022, 12, .	1.6	10
6540	MicroRNA turnover: a tale of tailing, trimming, and targets. Trends in Biochemical Sciences, 2023, 48, 26-39.	3.7	28
6541	<scp>miR</scp> â€124â€dependent tagging of synapses by synaptopodin enables inputâ€specific homeostatic plasticity. EMBO Journal, 2022, 41, .	3.5	14
6542	Ssc-MiR-21-5p and Ssc-MiR-615 Regulates the Proliferation and Apoptosis of Leydig Cells by Targeting SOX5. Cells, 2022, 11, 2253.	1.8	7
6543	Integrated analysis using <scp>ToppMiR</scp> uncovers altered <scp>miRNA– mRNA</scp> regulatory networks in pediatric hepatocellular carcinoma—A pilot study. Cancer Reports, 0, , .	0.6	1
6544	Delivering the Promise of Gene Therapy with Nanomedicines in Treating Central Nervous System Diseases. Advanced Science, 2022, 9, .	5.6	19
6545	Neuropilin-1 in the pathogenesis of preeclampsia, HIV-1, and SARS-CoV-2 infection: A review. Virus Research, 2022, 319, 198880.	1.1	5
6546	An Mirisc-Initiated DNA Nanomachine for Monitoring Microrna Activity in Living Cells. SSRN Electronic Journal, $0, , .$	0.4	0
6547	MicroRNA target prediction and validation. , 2022, , 53-67.		O
6548	Emerging roles of extracellular vesicle-associated non-coding RNAs in hypoxia: Insights from cancer, myocardial infarction and ischemic stroke. Theranostics, 2022, 12, 5776-5802.	4.6	22
6549	MicroRNA and MicroRNA-Target Variants Associated with Autism Spectrum Disorder and Related Disorders. Genes, 2022, 13, 1329.	1.0	6
6551	The DCMU Herbicide Shapes T-cell Functions By Modulating Micro-RNA Expression Profiles. Frontiers in Immunology, 0, 13, .	2.2	0
6552	MicroRNAs and Their Big Therapeutic Impacts: Delivery Strategies for Cancer Intervention. Cells, 2022, 11, 2332.	1.8	19
6553	Haemolysis Detection in MicroRNA-Seq from Clinical Plasma Samples. Genes, 2022, 13, 1288.	1.0	5
6554	Oncogenic Role of miR-217 During Clear Cell Renal Carcinoma Progression. Frontiers in Oncology, 0, 12, .	1.3	8
6555	Non-Viral Delivery of Gene Therapy to the Tendon. Polymers, 2022, 14, 3338.	2.0	3
6556	The miR-15a/16-1 and miR-15b/16-2 clusters regulate early B cell development by limiting IL-7 receptor expression. Frontiers in Immunology, 0, 13 , .	2.2	5

#	Article	IF	CITATIONS
6557	Targeting the androgen receptor to enhance NK cell killing efficacy in bladder cancer by modulating ADAR2/circ_0001005/PD-L1 signaling. Cancer Gene Therapy, 2022, 29, 1988-2000.	2.2	14
6558	An Overview Regarding Pharmacogenomics and Biomarkers Discovery: Focus on Breast Cancer. Current Topics in Medicinal Chemistry, 2022, 22, 1654-1673.	1.0	4
6559	MicroRNAs in non-alcoholic fatty liver disease: Progress and perspectives. Molecular Metabolism, 2022, 65, 101581.	3.0	31
6560	Perfluorooctanoic acid-induced developmental cardiotoxicity in chicken embryo: Roles of miR-490-5p. Environmental Pollution, 2022, 312, 120022.	3.7	4
6561	MicroRNA alteration in cerebrospinal fluid from comatose patients with traumatic brain injury after right median nerve stimulation. Experimental Brain Research, 2022, 240, 2459-2470.	0.7	2
6562	Association of MIR3117 and MIR612 Genes Polymorphisms with Childhood Acute Lymphoblastic Leukemia in the Mexican Population. Archives of Medical Research, 2022, 53, 603-609.	1.5	1
6563	mintRULS: Prediction of miRNA–mRNA Target Site Interactions Using Regularized Least Square Method. Genes, 2022, 13, 1528.	1.0	2
6564	Sertoli cell survival and barrier function are regulated by miR- $181c$ /d-Pafah $1b1$ axis during mammalian spermatogenesis. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	6
6565	miRacle of microRNA-Driven Cancer Nanotherapeutics. Cancers, 2022, 14, 3818.	1.7	17
6567	Noncoding <scp>RNAs</scp> in oral cancer. Wiley Interdisciplinary Reviews RNA, 2023, 14, .	3.2	9
6568	A miR-34a-guided, tRNAiMet-derived, piR_019752-like fragment (tRiMetF31) suppresses migration and angiogenesis of breast cancer cells via targeting PFKFB3. Cell Death Discovery, 2022, 8, .	2.0	6
6569	Dicer ablation in Kiss 1 neurons impairs puberty and fertility preferentially in female mice. Nature Communications, 2022, 13 , .	5.8	5
6570	Anti-Inflammatory microRNAs for Treating Inflammatory Skin Diseases. Biomolecules, 2022, 12, 1072.	1.8	9
6571	Advances of Epigenetic Biomarkers and Epigenome Editing for Early Diagnosis in Breast Cancer. International Journal of Molecular Sciences, 2022, 23, 9521.	1.8	8
6572	Liquiritin alleviates alphaâ€naphthylisothiocyanateâ€induced intrahepatic cholestasis through the Sirt1/FXR/Nrf2 pathway. Journal of Applied Toxicology, 2023, 43, 350-359.	1.4	2
6573	Neuromodulating roles of estrogen and phytoestrogens in cognitive therapeutics through epigenetic modifications during aging. Frontiers in Aging Neuroscience, 0, 14 , .	1.7	3
6574	Association of Polymorphism CHRNA5 and CHRNA3 Gene in People Addicted to Nicotine. International Journal of Environmental Research and Public Health, 2022, 19, 10478.	1.2	5
6575	Impact of fetal exposure to mycotoxins on longissimus muscle fiber hypertrophy and miRNA profile. BMC Genomics, 2022, 23, .	1.2	1

#	Article	IF	Citations
6576	Characterization of presence and activity of microRNAs in the rumen of cattle hints at possible host-microbiota cross-talk mechanism. Scientific Reports, 2022, 12, .	1.6	1
6577	Exosomal miRNAs in the plasma of Cynoglossus semilaevis infected with Vibrio harveyi: Pleiotropic regulators and potential biomarkers involved in inflammatory and immune responses. Frontiers in Immunology, 0, 13, .	2.2	2
6578	Thrombosis-related circulating miR-16-5p is associated with disease severity in patients hospitalised for COVID-19. RNA Biology, 2022, 19, 963-979.	1.5	11
6579	Epigenetic Alterations in Sports-Related Injuries. Genes, 2022, 13, 1471.	1.0	5
6580	miRNA-10a-5p Targeting the BCL6 Gene Regulates Proliferation, Differentiation and Apoptosis of Chicken Myoblasts. International Journal of Molecular Sciences, 2022, 23, 9545.	1.8	6
6581	Cell-type-specific epigenetic effects of early life stress on the brain. Translational Psychiatry, 2022, 12, .	2.4	22
6582	Mitochondrial miRNAs (MitomiRs): Their potential roles in breast and other cancers. Mitochondrion, 2022, 66, 74-81.	1.6	40
6583	Ultrasensitive, rapid, and highly specific detection of microRNAs based on PER-CRISPR/CAS. Bioorganic and Medicinal Chemistry Letters, 2022, 74, 128949.	1.0	2
6584	Nonâ€coding RNAs in diseases with a focus on osteoarthritis. Wiley Interdisciplinary Reviews RNA, 0, , .	3.2	2
6585	MicroRNA of Epithelial to Mesenchymal Transition in Fuchs' Endothelial Corneal Dystrophy. Genes, 2022, 13, 1711.	1.0	2
6586	microRNAs Control Antiviral Immune Response, Cell Death and Chemotaxis Pathways in Human Neuronal Precursor Cells (NPCs) during Zika Virus Infection. International Journal of Molecular Sciences, 2022, 23, 10282.	1.8	6
6587	Fully automated microRNA quantification technique based on bioluminescent enzyme immunoassay. Analytical Biochemistry, 2022, 656, 114880.	1.1	0
6588	MicroRNA-621 functions as a metastasis suppressor in colorectal cancer by directly targeting LEF1 and suppressing Wnt/β-catenin signaling. Life Sciences, 2022, 308, 120941.	2.0	4
6589	Extracellular vesicles and their miRNA contents counterbalance the pro-inflammatory effect of air pollution during physiological pregnancy: A focus on Syncytin-1 positive vesicles. Environment International, 2022, 169, 107502.	4.8	8
6590	Target-triggered assembly of functional G-quadruplex DNAzyme nanowires for sensitive detection of miRNA in lung tissues. Sensors and Actuators B: Chemical, 2022, 373, 132689.	4.0	7
6591	A novel therapeutic strategy for alleviating atrial remodeling by targeting exosomal miRNAs in atrial fibrillation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119365.	1.9	6
6592	An overview of prostate cancer (PCa) diagnosis: Potential role of miRNAs. Translational Oncology, 2022, 26, 101542.	1.7	12
6593	miR-103-3p regulates the differentiation of bone marrow mesenchymal stem cells in myelodysplastic syndrome. Biocell, 2023, 47, 133-141.	0.4	O

#	Article	IF	Citations
6594	Maturation of microRNAs. , 2022, , 19-30.		0
6595	Tough Decoy-Mediated Cardiac Gene Suppression. Methods in Molecular Biology, 2022, , 13-30.	0.4	2
6596	Identification of Key MicroRNAs Regulating ELOVL6 and Glioblastoma Tumorigenesis. SSRN Electronic Journal, 0, , .	0.4	0
6597	Advances in the Biological Functions and Mechanisms of miRNAs in the Development of Osteosarcoma. Technology in Cancer Research and Treatment, 2022, 21, 153303382211173.	0.8	5
6598	Quercetin up-regulates the expression of tumor-suppressive microRNAs in human cervical cancer. Bioscience of Microbiota, Food and Health, 2023, 42, 87-93.	0.8	5
6599	Polypharmacology in Drug Design and Discovery—Basis for Rational Design of Multitarget Drugs. , 2022, , 397-533.		1
6600	Diagnosis of Kawasaki Disease and Development of New Biomarkers. , 2022, , 19-29.		0
6601	Useful methods to study epigenetic marks: DNA methylation, histone modifications, chromatin structure, and noncoding RNAs., 2022,, 283-310.		1
6602	miRNA transcriptome and myofiber characteristics of lamb skeletal muscle during hypertrophic growth1. Frontiers in Genetics, 0, 13, .	1,1	5
6603	Human ACE-2, MCP1 and micro-RNA 146 as Novel Markers for COVID- 19 Affection and Severity. Infectious Disorders - Drug Targets, 2022, 22, .	0.4	0
6604	MicroRNAs as Regulators of Cancer Cell Energy Metabolism. Journal of Personalized Medicine, 2022, 12, 1329.	1.1	5
6605	<scp>MicroRNA</scp> â€150â€5p is upregulated in the brain microvasculature during prenatal alcohol exposure and inhibits the angiogenic factor Vezf1. Alcoholism: Clinical and Experimental Research, 2022, 46, 1953-1966.	1.4	3
6606	Exosomes Released by Corneal Stromal Cells Show Molecular Alterations in Keratoconus Patients and Induce Different Cellular Behavior. Biomedicines, 2022, 10, 2348.	1.4	5
6607	Oxidative stress-mediated beta cell death and dysfunction as a target for diabetes management. Frontiers in Endocrinology, 0, 13, .	1.5	20
6608	Runx2 and Nell-1 in dental follicle progenitor cells regulate bone remodeling and tooth eruption. Stem Cell Research and Therapy, 2022, 13 , .	2.4	8
6609	Current understanding of osteoarthritis pathogenesis and relevant new approaches. Bone Research, 2022, 10, .	5.4	85
6610	Feline microRNAome in ovary and testis: Exploration of in-silico miRNA-mRNA networks involved in gonadal function and cellular stress response. Frontiers in Genetics, 0, 13, .	1.1	1
6611	miR-aculous new avenues for cancer immunotherapy. Frontiers in Immunology, $0,13,.$	2.2	0

#	Article	IF	CITATIONS
6612	From Molecular Mechanisms to Therapeutics: Understanding MicroRNA-21 in Cancer. Cells, 2022, 11, 2791.	1.8	24
6613	The Role of miR-29 Family in TGF-β Driven Fibrosis in Glaucomatous Optic Neuropathy. International Journal of Molecular Sciences, 2022, 23, 10216.	1.8	7
6614	Promotion or remission: a role of noncoding RNAs in colorectal cancer resistance to anti-EGFR therapy. Cell Communication and Signaling, 2022, 20, .	2.7	8
6615	Noncoding RNAs as additional mediators of epigenetic regulation in nonalcoholic fatty liver disease. World Journal of Gastroenterology, 2022, 28, 5111-5128.	1.4	3
6616	MicroRNA-570 targets the HSP chaperone network, increases proteotoxic stress and inhibits mammary tumor cell migration. Scientific Reports, 2022, 12, .	1.6	5
6617	Inferring microRNA regulation: A proteome perspective. Frontiers in Molecular Biosciences, 0, 9, .	1.6	7
6618	miRNA in Molecular Diagnostics. Bioengineering, 2022, 9, 459.	1.6	6
6619	Neuroendocrine microRNAs linked to energy homeostasis: future therapeutic potential. Pharmacological Reports, 0, , .	1.5	1
6620	Electroacupuncture-Regulated miR-34a-3p/PDCD6 Axis Promotes Post-Spinal Cord Injury Recovery in Both In Vitro and In Vivo Settings. Journal of Immunology Research, 2022, 2022, 1-17.	0.9	4
6621	Circulating miRNA profiles in mice plasma following flavonoid intake. Molecular Biology Reports, 0, , .	1.0	1
6622	Selective miRNA inhibition in CD8+ cytotoxic T lymphocytes enhances HIV-1 specific cytotoxic responses. Frontiers in Immunology, $0,13,1$	2.2	4
6623	Regulation of Parkinson's disease-associated genes by Pumilio proteins and microRNAs in SH-SY5Y neuronal cells. PLoS ONE, 2022, 17, e0275235.	1.1	4
6624	MicroRNA-7 regulates melanocortin circuits involved in mammalian energy homeostasis. Nature Communications, 2022, 13, .	5.8	5
6625	AMBRA1 and its role as a target for anticancer therapy. Frontiers in Oncology, 0, 12, .	1.3	4
6626	miR-409-3p represses Cited2 to refine neocortical layer V projection neuron identity. Frontiers in Neuroscience, 0, 16 , .	1.4	1
6627	Epigenetic regulation of inflammation in insulin resistance. Seminars in Cell and Developmental Biology, 2024, 154, 185-192.	2.3	2
6628	The let-7 microRNA binding site variant in KRAS as a predictive biomarker for head and neck cancer patients with lymph node metastasis. Pathology Research and Practice, 2022, 239, 154147.	1.0	4
6629	Sensing miRNAs for Disease Diagnostics. Analysis & Sensing, 2023, 3, .	1.1	2

#	ARTICLE	IF	CITATIONS
6630	MicroRNAs in the auditory system: tiny molecules with big impact. Neuroforum, 2022, .	0.2	0
6631	Extracellular vesicles derived from human dermal fibroblast effectively ameliorate skin photoaging via miRNA-22-5p-GDF11 axis. Chemical Engineering Journal, 2023, 452, 139553.	6.6	2
6632	Potentials of lncRNA–miRNA–mRNA networks as biomarkers for laryngeal squamous cell carcinoma. Human Cell, 2023, 36, 76-97.	1.2	6
6633	Obese mice induced by high-fat diet have differential expression of circular RNAs involved in endoplasmic reticulum stress and neuronal synaptic plasticity of hippocampus leading to obesity-associated cognitive impairment. Frontiers in Molecular Neuroscience, 0, 15, .	1.4	3
6634	Molecular insights to the sperm–cervix interaction and the consequences for cryopreserved sperm. Biology of Reproduction, 2023, 108, 183-196.	1.2	2
6635	MicroRNA-27a-3p targets FoxO signalling to induce tumour-like phenotypes in bile duct cells. Journal of Hepatology, 2023, 78, 364-375.	1.8	8
6636	m6A and miRNA jointly regulate the development of breast muscles in duck embryonic stages. Frontiers in Veterinary Science, $0, 9, .$	0.9	0
6637	Immune regulation and emerging roles of noncoding RNAs in Mycobacterium tuberculosis infection. Frontiers in Immunology, 0, 13 , .	2.2	5
6638	Identification of a miRSNP Regulatory Axis in Abdominal Aortic Aneurysm by a Network and Pathway-Based Integrative Analysis. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-15.	1.9	2
6639	Current understanding of epigenetics role in melanoma treatment and resistance. Cancer Cell International, 2022, 22, .	1.8	15
6640	Identification of prognostic miRNA-mRNA regulatory network in the progression of HCV-associated cirrhosis to hepatocellular carcinoma. Translational Cancer Research, 2022, 11, 3657-3673.	0.4	0
6641	Rapid and accurate quantification of isomiRs by RT-qPCR. Scientific Reports, 2022, 12, .	1.6	4
6642	miR-125-3p and miR-276b-3p Regulate the Spermatogenesis of Bactrocera dorsalis by Targeting the orb2 Gene. Genes, 2022, 13, 1861.	1.0	4
6643	MicroRNA-150 (miR-150) and Diabetic Retinopathy: Is miR-150 Only a Biomarker or Does It Contribute to Disease Progression?. International Journal of Molecular Sciences, 2022, 23, 12099.	1.8	8
6644	Nucleic acid nanoassembly-enhanced RNA therapeutics and diagnosis. Acta Pharmaceutica Sinica B, 2023, 13, 916-941.	5.7	50
6645	Quercetin and Isorhamnetin Reduce Benzo[a]pyrene-Induced Genotoxicity by Inducing RAD51 Expression through Downregulation of miRâ^34a. International Journal of Molecular Sciences, 2022, 23, 13125.	1.8	3
6646	Salivary Exosomal MicroRNA-486-5p and MicroRNA-10b-5p in Oral and Oropharyngeal Squamous Cell Carcinoma. Medicina (Lithuania), 2022, 58, 1478.	0.8	15
6647	Recent Advances in Exosomal miRNA Biosensing for Liquid Biopsy. Molecules, 2022, 27, 7145.	1.7	5

#	ARTICLE	IF	CITATIONS
6648	Garmultin-A Incites Apoptosis in CB3 Cells Through miR-17-5p by Attenuating Poly (ADP-Ribose) Polymerase-1. Dose-Response, 2022, 20, 155932582211306.	0.7	0
6649	Integrated Bioinformatics Analysis Reveals Novel miRNA as Biomarkers Associated with Preeclampsia. Genes, 2022, 13, 1781.	1.0	2
6650	miRNAs: The Key Regulator of COVID-19 Disease. International Journal of Cell Biology, 2022, 2022, 1-19.	1.0	7
6651	Importance of Micromilieu for Pathophysiologic Mineralocorticoid Receptor Activity—When the Mineralocorticoid Receptor Resides in the Wrong Neighborhood. International Journal of Molecular Sciences, 2022, 23, 12592.	1.8	1
6652	Trophoblast microRNAs, pre-eclampsia and intrauterine growth restriction. Minerva Obstetrics and Gynecology, 2024, 76, .	0.5	0
6654	SCRAP: a bioinformatic pipeline for the analysis of small chimeric RNA-seq data. Rna, 0, , rna.079240.122.	1.6	2
6655	isomiRdb: microRNA expression at isoform resolution. Nucleic Acids Research, 2023, 51, D179-D185.	6.5	7
6656	MicroRNAs in extracellular vesicles: Sorting mechanisms, diagnostic value, isolation, and detection technology. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	17
6657	The peritumoral brain zone in glioblastoma: where we are and where we are going. Journal of Neuroscience Research, 2023, 101, 199-216.	1.3	13
6658	A review of molecular and genetic factors for determining mild traumatic brain injury severity and recovery. Brain Disorders, 2022, , 100058.	1.1	0
6659	MicroRNA-133a-3p Inhibits Lung Adenocarcinoma Development and Cisplatin Resistance through Targeting GINS4. Cells Tissues Organs, 2024, 213, 55-66.	1.3	0
6660	Structure-Switchable Hairpin-Powered Exponential Replications for Sensing Attomolar microRNA-Related Single Nucleotide Polymorphisms in Human Cancer Tissues with Zero Background. Analytical Chemistry, 2022, 94, 15171-15175.	3.2	8
6661	The role of non-coding RNA in the diagnosis and treatment of Helicobacter pylori-related gastric cancer, with a focus on inflammation and immune response. Frontiers in Medicine, 0, 9, .	1.2	1
6664	Forced expression of the non-coding RNA miR- $17\hat{a}^1/492$ restores activation and function in CD28-deficient CD4+ TÂcells. IScience, 2022, 25, 105372.	1.9	4
6665	The emerging power and promise of non-coding RNAs in chronic pain. Frontiers in Molecular Neuroscience, 0, 15, .	1.4	4
6666	Optimization of RiPCA for the Liveâ€Cell Detection of Preâ€MicroRNAâ€Protein Interactions. ChemBioChem, 2022, 23, .	1.3	3
6667	Effect in Human Gene Regulation of Food-Derived Plant miRNAs. , 0, , .		0
6668	MicroRNAs: Small molecules with big impacts in liver injury. Journal of Cellular Physiology, 2023, 238, 32-69.	2.0	8

#	Article	IF	CITATIONS
6669	MicroRNAs and Male Infertility. , 0, , .		1
6670	Measuring miRNA in Livestock Using Sensor Technologies: Challenges and Potential Approaches. , 0, , .		1
6671	An miRISC-initiated DNA nanomachine for monitoring MicroRNA activity in living cells. Biosensors and Bioelectronics, 2023, 220, 114828.	5.3	3
6672	Exosomal ncRNAs facilitate interactive †dialogue†between tumor cells and tumor-associated macrophages. Cancer Letters, 2023, 552, 215975.	3.2	10
6673	Interferon therapy of hepatitis C: molecular insights into success and failure. Swiss Medical Weekly, 0, , .	0.8	12
6674	Bioinformatics Methods for Modeling microRNA Regulatory Networks in Cancer. Advances in Experimental Medicine and Biology, 2022, , 161-186.	0.8	0
6675	ClustMMRA v2: A Scalable Computational Pipeline for the Identification of MicroRNA Clusters Acting Cooperatively on Tumor Molecular Subgroups. Advances in Experimental Medicine and Biology, 2022, , 259-279.	0.8	0
6676	The Role of MicroRNAs in Cancer Biology and Therapy from a Systems Biology Perspective. Advances in Experimental Medicine and Biology, 2022, , 1-22.	0.8	2
6677	Analysis of the p53/microRNA Network in Cancer. Advances in Experimental Medicine and Biology, 2022, , 187-228.	0.8	3
6678	The Role of Cluster C19MC in Pre-Eclampsia Development. International Journal of Molecular Sciences, 2022, 23, 13836.	1.8	6
6679	Tumor-derived miRNAs as tumor microenvironment regulators for synergistic therapeutic options. Journal of Cancer Research and Clinical Oncology, 0, , .	1.2	0
6680	The Role of MicroRNAs in Dilated Cardiomyopathy: New Insights for an Old Entity. International Journal of Molecular Sciences, 2022, 23, 13573.	1.8	6
6681	CircRNA screening and ceRNA network construction for milk fat metabolism in dairy cows. Frontiers in Veterinary Science, 0, 9, .	0.9	5
6682	Revealing the mechanisms of the bioactive ingredients accumulation in Polygonatum cyrtonema by multiomics analyses. Frontiers in Plant Science, 0, 13, .	1.7	2
6683	miR-146a and miR-200b alter cognition by targeting NMDA receptor subunits. IScience, 2022, 25, 105515.	1.9	2
6684	An Initial miRNA Profile of Persons With Persisting Neurobehavioral Impairments and States of Disordered Consciousness After Severe Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2023, 38, E267-E277.	1.0	4
6685	Combating Drug Resistance by Exploiting miRNA-200c-Controlled Phase II Detoxification. Cancers, 2022, 14, 5554.	1.7	2
6686	Plasma exosomal miR-122 regulates the efficacy of metformin via AMPK in type 2 diabetes and hepatocellular carcinoma. Heliyon, 2022, 8, e11503.	1.4	2

#	Article	IF	Citations
6687	Bioinformatics analysis of miRNAs in the neuroblastoma $11q$ -deleted region reveals a role of miR-548l in both $11q$ -deleted and MYCN amplified tumour cells. Scientific Reports, 2022, 12 , .	1.6	0
6688	Diagnostic implication of a circulating serum-based three-microRNA signature in hepatocellular carcinoma. Frontiers in Genetics, $0,13,13$	1.1	6
6689	Non-Coding RNAs in Regulating Plaque Progression and Remodeling of Extracellular Matrix in Atherosclerosis. International Journal of Molecular Sciences, 2022, 23, 13731.	1.8	6
6690	Systematic characterization of seed overlap microRNA cotargeting associated with lupus pathogenesis. BMC Biology, 2022, 20, .	1.7	10
6691	Circulating microRNA responses to acute whole-body vibration and resistance exercise in postmenopausal women. Frontiers in Endocrinology, 0, 13 , .	1.5	0
6692	Salinity stress alters the expression patterns of novel <scp>miR</scp> â€2008 and its target gene <i>PLEKHA3</i> in the sea cucumber <i>Apostichopus japonicus</i> Journal of the World Aquaculture Society, 2023, 54, 1054-1069.	1.2	1
6693	Modulation of MicroRNA Expression During In Vitro Chondrogenesis. Methods in Molecular Biology, 2023, , 197-215.	0.4	0
6694	Circulating miRNAs are associated with frailty and ST-elevation myocardial infarction pathways. Archives of Gerontology and Geriatrics, 2023, 106, 104870.	1.4	2
6696	Weapons of stress reduction: (R,S)-ketamine and its metabolites as prophylactics for the prevention of stress-induced psychiatric disorders. Neuropharmacology, 2023, 224, 109345.	2.0	6
6697	Blood orange juice intake modulates plasma and PBMC microRNA expression in overweight and insulin-resistant women: impact on MAPK and NFΰB signaling pathways. Journal of Nutritional Biochemistry, 2023, 112, 109240.	1.9	6
6698	Prognostic utility of microRNA-145 and CD 133 in oral squamous cell carcinoma: A pilot study from Northern India. Journal of Oral Biology and Craniofacial Research, 2023, 13, 92-95.	0.8	1
6699	Computational Methods for Identifying MicroRNA-Gene Regulatory Modules. Springer Handbooks of Computational Statistics, 2022, , 187-208.	0.2	O
6700	miRNA-130a-3p targets sphingosine-1-phosphate receptor 1 to activate the microglial and astrocytes and to promote neural injury under the high glucose condition. Open Medicine (Poland), 2022, 17, 2117-2129.	0.6	0
6701	Bioinformatic Prediction of Non-Coding Genes related to the Mouse FGF8, NOG, and BMP4 Ectodermal Differentiation Pathway Genes and Mapping of Related Network. Majallah-i DÄnishgÄh-i 'UlÅ«m-i PizishkÄ«-i Ä⁵ 2022, 30, 29-41.	läm,	0
6702	Epigenetic Regulation in Chromium-, Nickel- and Cadmium-Induced Carcinogenesis. Cancers, 2022, 14, 5768.	1.7	13
6703	Circular RNA Expression and Interaction Patterns Are Perturbed in Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2022, 23, 14665.	1.8	5
6704	The genetic and biochemical determinants of mRNA degradation rates in mammals. Genome Biology, 2022, 23, .	3.8	28
6705	Assessment of Basic Biological Functions Exerted by miRNAs. Methods in Molecular Biology, 2023, , 115-122.	0.4	O

#	Article	IF	CITATIONS
6706	The role and mechanisms of miRNA in neonatal necrotizing enterocolitis. Frontiers in Pediatrics, $0,10,$	0.9	2
6707	Milk-Derived miR-22-3p Promotes Proliferation of Human Intestinal Epithelial Cells (HIECs) by Regulating Gene Expression. Nutrients, 2022, 14, 4901.	1.7	2
6708	Biological implications and clinical potential of invasion and migration related miRNAs in glioma. Frontiers in Integrative Neuroscience, 0, 16 , .	1.0	2
6709	Role of Adipose Tissue microRNAs in the Onset of Metabolic Diseases and Implications in the Context of the DOHaD. Cells, 2022, 11, 3711.	1.8	3
6710	An Intestinal Symbiotic Bacterial Strain of Oscheius chongmingensis Modulates Host Viability at Both Global and Post-Transcriptional Levels. International Journal of Molecular Sciences, 2022, 23, 14692.	1.8	0
6712	Cancer Stem Cellsâ€"The Insight into Non-Coding RNAs. Cells, 2022, 11, 3699.	1.8	2
6713	The microRNA Lifecycle in Health and Cancer. Cancers, 2022, 14, 5748.	1.7	11
6714	Innovative approaches in transforming <code><scp>microRNAs</scp></code> into therapeutic tools. Wiley Interdisciplinary Reviews RNA, 2023, 14 , .	3.2	18
6715	Association between microRNA-146a rs2910164 polymorphism and coronary heart disease: An updated meta-analysis. Medicine (United States), 2022, 101, e31860.	0.4	1
6716	LncRNA SNHG7 Knockdown Aggravates Hepatic Ischemia–Reperfusion Injury and Promotes Apoptosis in Hemorrhagic Shock Pregnant Rats by Modulating miR-34a-5p/YWHAG Axis. Molecular Biotechnology, 2023, 65, 983-996.	1.3	1
6717	An exploratory data analysis on genetic architecture in <i>Bos taurus</i> through miRNAs within QTLs and their target genes. Animal Biotechnology, 2023, 34, 4394-4402.	0.7	0
6718	Small RNA Targets: Advances in Prediction Tools and High-Throughput Profiling. Biology, 2022, 11, 1798.	1.3	3
6719	Diurnal small RNA expression and post-transcriptional regulation in young and old Drosophila melanogaster heads. F1000Research, 0, 11, 1543.	0.8	0
6720	The genetic and epigenetic contributions to the development of nutritional rickets. Frontiers in Endocrinology, $0,13,.$	1.5	0
6721	Circulating thrifty microRNA is related to insulin sensitivity, adiposity, and energy metabolism in adults with overweight and obesity: the POUNDS Lost trial. American Journal of Clinical Nutrition, 2023, 117, 121-129.	2.2	5
6722	Clinical significance of circulating tumor cell (CTC)-specific microRNA (miRNA) in breast cancer. Progress in Biophysics and Molecular Biology, 2022, , .	1.4	4
6723	Differentially expressed gene profiles and associated ceRNA network in ATG7-Deficient lens epithelial cells under oxidative stress. Frontiers in Genetics, 0, 13, .	1.1	1
6724	Synthetic miR-34a against solid tumours: a predictable failure. British Journal of Cancer, 2023, 128, 478-480.	2.9	5

#	Article	IF	CITATIONS
6725	Identification of Differentially Expressed miRNAs in Porcine Adipose Tissues and Evaluation of Their Effects on Feed Efficiency. Genes, 2022, 13, 2406.	1.0	0
6726	MiR-15b-5p Expression in the Peripheral Blood: A Potential Diagnostic Biomarker of Autism Spectrum Disorder. Brain Sciences, 2023, 13, 27.	1.1	2
6727	Structural Insights into the Advances and Mechanistic Understanding of Human Dicer. Biochemistry, 2023, 62, 1-16.	1.2	5
6728	MicroRNAs as Potential Biomarkers in Coronary Artery Disease. Current Topics in Medicinal Chemistry, 2023, 23, 454-469.	1.0	8
6729	MicroRNAs in T Cell-Immunotherapy. International Journal of Molecular Sciences, 2023, 24, 250.	1.8	3
6730	Expression of miRNA-Targeted and Not-Targeted Reporter Genes Shows Mutual Influence and Intercellular Specificity. International Journal of Molecular Sciences, 2022, 23, 15059.	1.8	1
6731	The Role of Single-Nucleotide Polymorphisms in Cholangiocarcinoma: A Systematic Review. Cancers, 2022, 14, 5969.	1.7	4
6732	The temporal expression of circulating microRNAs after acute experimental pain in humans. European Journal of Pain, 2023, 27, 366-377.	1.4	1
6733	Identification of MicroRNAs in the West Nile Virus Vector <i>Culex tarsalis</i> (Diptera: Culicidae). Journal of Medical Entomology, 2023, 60, 182-293.	0.9	0
6734	The diagnostic utility of miRNA and elucidation of pathological mechanisms in major depressive disorder. Comprehensive Psychiatry, 2023, 121, 152363.	1.5	1
6736	Intersections of Ubiquitin-Proteosome System and Autophagy in Promoting Growth of Glioblastoma Multiforme: Challenges and Opportunities. Cells, 2022, 11, 4063.	1.8	1
6737	Pulmonary EV miRNA profiles identify disease and distinct inflammatory endotypes in COPD. Frontiers in Medicine, 0, 9, .	1.2	1
6738	Six <scp>miRNA</scp> expressions in the saliva of smokers and nonâ€smokers with periodontal disease. Journal of Periodontal Research, 0, , .	1.4	2
6741	Small RNAs/Cancer. , 2016, , 727-738.		0
6742	Gene therapy targeting miRâ€'212â€'3p exerts therapeutic effects on MAFLD similar to those of exercise. International Journal of Molecular Medicine, 2023, 51, .	1.8	1
6743	Hypoxia-induced miR-653 enhances colorectal cancer progression by targeting circSETD3/KLF6 axis. Journal of Cancer, 2023, 14, 163-173.	1.2	3
6744	Advances and Highlights of miRNAs in Asthma: Biomarkers for Diagnosis and Treatment. International Journal of Molecular Sciences, 2023, 24, 1628.	1.8	5
6745	The upregulation of CLGN in hepatocellular carcinoma is potentially regulated by hsa-miR-194-3p and associated with patient progression. Frontiers in Oncology, $0,12,.$	1.3	0

#	Article	IF	Citations
6746	Differentially expressed tRNA-derived fragments and their roles in primary cardiomyocytes stimulated by high glucose. Frontiers in Endocrinology, $0,13,.$	1.5	2
6747	Canalization of Phenotypes—When the Transcriptome is Constantly but Weakly Perturbed. Molecular Biology and Evolution, 2023, 40, .	3.5	3
6749	Merkel Cell Polyomavirus: Infection, Genome, Transcripts and Its Role in Development of Merkel Cell Carcinoma. Cancers, 2023, 15, 444.	1.7	7
6750	Multiple Copies of microRNA Binding Sites in Long 3′UTR Variants Regulate Axonal Translation. Cells, 2023, 12, 233.	1.8	4
6751	Alfalfa Xeno-miR168b Target CPT1A to Regulate Milk Fat Synthesis in Bovine Mammary Epithelial Cells. Metabolites, 2023, 13, 76.	1.3	2
6752	Tissue-Specific microRNA Expression Profiling to Derive Novel Biomarkers for the Diagnosis and Subtyping of Small B-Cell Lymphomas. Cancers, 2023, 15, 453.	1.7	3
6753	An insight into the sprawling microverse of microRNAs in depression pathophysiology and treatment response. Neuroscience and Biobehavioral Reviews, 2023, 146, 105040.	2.9	4
6754	Ultrasensitive and multiplexed miRNA detection system with DNA-PAINT. Biosensors and Bioelectronics, 2023, 224, 115053.	5.3	10
6755	Synergistic Anti-Cancer Activity of the Combination of 1,25-Dihydroxyvitamin D3 and Retinoic Acid in U937 Cell Line. Reports of Biochemistry and Molecular Biology, 2022, 11, 440-449.	0.5	0
6756	Non-coding RNAs as potential biomarkers of gallbladder cancer. Clinical and Translational Oncology, 2023, 25, 1489-1511.	1.2	4
6757	MicroRNAs in the Regulation of NADPH Oxidases in Vascular Diabetic and Ischemic Pathologies: A Case for Alternate Inhibitory Strategies?. Antioxidants, 2023, 12, 70.	2.2	1
6758	LINCO1023 Promotes the Hepatoblastoma Tumorigenesis via miR-378a-5p/WNT3 Axis. Molecular and Cellular Biochemistry, 2023, 478, 1867-1885.	1.4	2
6760	Identification of microRNA Signatures in Peripheral Blood of Young Women as Potential Biomarkers for Metal Allergy. Biomedicines, 2023, 11, 277.	1.4	0
6761	The Role of Different Types of microRNA in the Pathogenesis of Breast and Prostate Cancer. International Journal of Molecular Sciences, 2023, 24, 1980.	1.8	6
6762	p53 and HuR combinatorially control the biphasic dynamics of microRNA-125b in response to genotoxic stress. Communications Biology, 2023, 6, .	2.0	3
6763	Outside the limit: questioning the distance restrictions for cooperative miRNA binding sites. Cellular and Molecular Biology Letters, 2023, 28, .	2.7	3
6764	Type 2 Diabetes Mellitus and its comorbidity, Alzheimer's disease: Identifying critical microRNA using machine learning. Frontiers in Endocrinology, 0, 13, .	1.5	6
6765	Low-intensity pulsed ultrasound (LIPUS) enhances the anti-inflammatory effects of bone marrow mesenchymal stem cells (BMSCs)-derived extracellular vesicles. Cellular and Molecular Biology Letters, 2023, 28, .	2.7	16

#	Article	IF	CITATIONS
6766	miRNAs and arsenic-induced carcinogenesis. Advances in Pharmacology, 2023, , 203-240.	1.2	3
6767	Interrogation of Functional miRNA-Target Interactions by CRISPR/Cas9 Genome Engineering. Methods in Molecular Biology, 2023, , 243-264.	0.4	0
6768	MicroRNA–Target Identification: A Combinatorial In Silico Approach. Methods in Molecular Biology, 2023, , 215-230.	0.4	0
6769	Non-Coding RNAs Regulating Mitochondrial Functions and the Oxidative Stress Response as Putative Targets against Age-Related Macular Degeneration (AMD). International Journal of Molecular Sciences, 2023, 24, 2636.	1.8	6
6770	Proteoglycan Expression Studied by MicroRNAs. Methods in Molecular Biology, 2023, , 273-292.	0.4	1
6771	Epigenetic Alterations in Canine Malignant Lymphoma: Future and Clinical Outcomes. Animals, 2023, 13, 468.	1.0	2
6772	Non-Coding RNAs in Pulmonary Diseases: Comparison of Different Airway-Derived Biosamples. International Journal of Molecular Sciences, 2023, 24, 2006.	1.8	5
6773	Comprehensive overview of microRNA function in rheumatoid arthritis. Bone Research, 2023, 11, .	5.4	15
6774	Integrated Microarray-Based Data Analysis of miRNA Expression Profiles: Identification of Novel Biomarkers of Cisplatin-Resistance in Testicular Germ Cell Tumours. International Journal of Molecular Sciences, 2023, 24, 2495.	1.8	5
6775	Overview of genetic and epigenetic regulation of human papillomavirus and apoptosis in cervical cancer. Apoptosis: an International Journal on Programmed Cell Death, 2023, 28, 683-701.	2.2	4
6776	3'UTR Diversity: Expanding Repertoire of RNA Alterations in Human mRNAs. Molecules and Cells, 2023, 46, 48-56.	1.0	11
6777	miRinGO: Prediction of Biological Processes Indirectly Targeted by Human microRNAs. Non-coding RNA, 2023, 9, 11.	1.3	1
6780	Maternal Obesity and Its Epigenetic Effects. , 2023, , 563-578.		0
6781	microRNA-627-5p inhibits colorectal cancer cell proliferation, migration and invasion by targeting Wnt2. World Journal of Gastrointestinal Oncology, 0, 15, 318-331.	0.8	1
6782	The potential regulatory role of the lncRNA-miRNA-mRNA axis in teleost fish. Frontiers in Immunology, 0, 14, .	2.2	6
6783	Extracellular vesicles: A dive into their role in the tumor microenvironment and cancer progression. Frontiers in Cell and Developmental Biology, 0, 11 , .	1.8	5
6784	The RNA cargo in small extracellular vesicles from chicken eggs is bioactive in C57BL/6â \in %J mice and human peripheral blood mononuclear cells ex vivo. Frontiers in Nutrition, 0, 10, .	1.6	2
6785	Whole organism aging: Parabiosis, inflammaging, epigenetics, and peripheral and central aging clocks. The ARS of aging. Experimental Gerontology, 2023, 174, 112137.	1.2	2

#	Article	IF	CITATIONS
6786	A novel system for glycosylation engineering by natural and artificial miRNAs. Metabolic Engineering, 2023, 77, 53-63.	3.6	2
6787	Plasma exosomes from patients with acute myocardial infarction alleviate myocardial injury by inhibiting ferroptosis through miR-26b-5p/SLC7A11 axis. Life Sciences, 2023, 322, 121649.	2.0	13
6788	Circular RNA regulation and function in drug seeking phenotypes. Molecular and Cellular Neurosciences, 2023, 125, 103841.	1.0	1
6789	Circulating lipoprotein-carried miRNome analysis reveals novel VLDL-enriched microRNAs that strongly correlate with the HDL-microRNA profile. Biomedicine and Pharmacotherapy, 2023, 162, 114623.	2.5	4
6790	An updated review on cell signaling pathways regulated by candidate miRNAs in coronary artery disease. Non-coding RNA Research, 2023, 8, 326-334.	2.4	2
6791	Germline stem cell integrity and quiescence are controlled by an AMPK-dependent neuronal trafficking pathway. PLoS Genetics, 2023, 19, e1010716.	1.5	7
6792	MicroRNA mediated gene regulatory circuits leads to machine learning based preliminary detection of acute myeloid leukemia. Computational Biology and Chemistry, 2023, 104, 107859.	1.1	1
6794	Circ_0057558 accelerates the development of prostate cancer through miR-1238–3p/SEPT2 axis. Pathology Research and Practice, 2023, 243, 154317.	1.0	2
6795	Identification of key microRNAs regulating ELOVL6 and glioblastoma tumorigenesis. BBA Advances, 2023, 3, 100078.	0.7	1
6796	MicroRNA-218 regulates neuronal radial migration and morphogenesis by targeting Satb2 in developing neocortex. Biochemical and Biophysical Research Communications, 2023, 647, 9-15.	1.0	2
6797	Determinants of Functional MicroRNA Targeting. Molecules and Cells, 2023, 46, 21-32.	1.0	4
6798	Characterization and microRNA Expression Analysis of Serum-Derived Extracellular Vesicles in Severe Liver Injury from Chronic HBV Infection. Life, 2023, 13, 347.	1.1	1
6799	MiR-568 mitigated cardiomyocytes apoptosis, oxidative stress response and cardiac dysfunction via targeting SMURF2 in heart failure rats. Heart and Vessels, 2023, 38, 857-868.	0.5	3
6800	ACKR4a induces autophagy to block NF-κB signaling and apoptosis to facilitate Vibrio harveyi infection. IScience, 2023, 26, 106105.	1.9	3
6801	Discovery and Validation of Circulating microRNAs as Biomarkers for Epileptogenesis after Experimental Traumatic Brain Injury–The EPITARGET Cohort. International Journal of Molecular Sciences, 2023, 24, 2823.	1.8	3
6802	Emerging role of microRNAs and long non-coding RNAs in COVID-19 with implications to therapeutics. Gene, 2023, 861, 147232.	1.0	4
6803	miRNAs in Herpesvirus Infection: Powerful Regulators in Small Packages. Viruses, 2023, 15, 429.	1.5	6
6804	Noncoding RNAs in the crosstalk between multiple myeloma cells and bone marrow microenvironment. Cancer Letters, 2023, 556, 216081.	3.2	1

#	ARTICLE	IF	Citations
6805	Nucleic Acid Nanomaterials-based Therapy for Osteoarthritis: Progress and Prospects. Current Drug Metabolism, 2023, 24, 338-352.	0.7	2
6806	Extracellular vesicles and highâ€density lipoproteins: Exercise and oestrogenâ€responsive small RNA carriers. Journal of Extracellular Vesicles, 2023, 12, .	5 . 5	4
6807	The role of miR-155 on liver diseases by modulating immunity, inflammation and tumorigenesis. International Immunopharmacology, 2023, 116, 109775.	1.7	2
6808	SRSF7 and SRSF3 depend on RNA sequencing motifs and secondary structures to regulate Microprocessor. Life Science Alliance, 2023, 6, e202201779.	1.3	3
6809	MicroRNAs as Quality Assessment Tool in Stored Packed Red Blood Cell in Blood Banks. Journal of Blood Medicine, 0, Volume 14, 99-106.	0.7	0
6810	The human inactive X chromosome modulates expression of the active X chromosome. Cell Genomics, 2023, 3, 100259.	3.0	20
6811	Downregulation of miRNA-155–5p contributes to the adipogenic activity of 2-ethylhexyl diphenyl phosphate in 3T3-L1 preadipocytes. Toxicology, 2023, 487, 153452.	2.0	2
6812	Bioinformatics prediction and experimental verification of a novel microRNA for myocardial fibrosis after myocardial infarction in rats. Peerl, 0, 11 , $e14851$.	0.9	1
6813	Altered microRNA Transcriptome in Cultured Human Airway Cells upon Infection with SARS-CoV-2. Viruses, 2023, 15, 496.	1.5	2
6815	The miRâ€181 family: Wideâ€ranging pathophysiological effects on cell fate and function. Journal of Cellular Physiology, 2023, 238, 698-713.	2.0	5
6816	Transcriptome-Wide Analysis of microRNA–mRNA Correlations in Tissue Identifies microRNA Targeting Determinants. Non-coding RNA, 2023, 9, 15.	1.3	0
6817	MicroRNA-370 as a negative regulator of signaling pathways in tumor cells. Process Biochemistry, 2023, 127, 127-137.	1.8	1
6819	miR-29a-5p modulates ferroptosis by targeting ferritin heavy chain FTH1 in prostate cancer. Biochemical and Biophysical Research Communications, 2023, 652, 6-13.	1.0	4
6820	Promiscuous splicing-derived hairpins are dominant substrates of tailing-mediated defense of miRNA biogenesis in mammals. Cell Reports, 2023, 42, 112111.	2.9	2
6821	In silico analysis to identify novel ceRNA regulatory axes associated with gallbladder cancer. Frontiers in Genetics, 0, 14, .	1.1	0
6822	Reverse predictive analysis of Rhizoma Pinelliae and Rhizoma Coptidis on differential miRNA target genes in lung adenocarcinoma. Medicine (United States), 2023, 102, e32999.	0.4	1
6823	Systems Biology Approaches for the Improvement of Oncolytic Virus-Based Immunotherapies. Cancers, 2023, 15, 1297.	1.7	4
6824	Integrating genome-wide association study with regulatory SNP annotations identified novel candidate genes for osteoporosis. Bone and Joint Research, 2023, 12, 147-154.	1.3	2

#	Article	IF	Citations
6825	Sleep and memory: The impact of sleep deprivation on transcription, translational control, and protein synthesis in the brain. Journal of Neurochemistry, 2023, 166, 24-46.	2.1	8
6826	A miRNA screening identifies miR-192-5p as associated with response to azacitidine and lenalidomide therapy in myelodysplastic syndromes. Clinical Epigenetics, 2023, 15, .	1.8	1
6827	MicroRNA-183/96/182 cluster in immunity and autoimmunity. Frontiers in Immunology, 0, 14, .	2.2	2
6828	Extracellular vesicles as contributors in the pathogenesis of multiple sclerosis. Multiple Sclerosis and Related Disorders, 2023, 71, 104554.	0.9	2
6829	Advances in Liquid Biopsy Technology and Implications for Pancreatic Cancer. International Journal of Molecular Sciences, 2023, 24, 4238.	1.8	16
6830	DICER1 RNase IIIb domain mutations trigger widespread miRNA dysregulation and MAPK activation in pediatric thyroid cancer. Frontiers in Endocrinology, 0, 14 , .	1.5	7
6831	MicroRNA-186-5p inhibits H9c2 cells apoptosis induced by oxygen-glucose deprivation by targeting ERK1/2. Journal of Thoracic Disease, 2023, 15, 529-541.	0.6	0
6832	Intrahippocampal Inoculation of Al̂21–42 Peptide in Rat as a Model of Alzheimer's Disease Identified MicroRNA-146a-5p as Blood Marker with Anti-Inflammatory Function in Astrocyte Cells. Cells, 2023, 12, 694.	1.8	5
6833	Network pharmacology and bioinformatics study on the treatment of renal fibrosis with persicae semen-carthami flos drug pair. Medicine (United States), 2023, 102, e32946.	0.4	1
6834	miR-6076 rs1463411 polymorphisms are associated with bleeding during clopidogrel treatment in patients with acute coronary syndrome. European Journal of Medical Research, 2023, 28, .	0.9	0
6835	Crosstalk between microRNAs and epigenetics during brain development and neurological diseases. , 2023, , 173-207.		0
6836	Extracellular Vesicles, Cell-Penetrating Peptides and miRNAs as Future Novel Therapeutic Interventions for Parkinson's and Alzheimer's Disease. Biomedicines, 2023, 11, 728.	1.4	6
6837	miRNAs in the Beta Cellâ€"Friends or Foes?. Endocrinology, 2023, 164, .	1.4	1
6838	Serine 970 of RNA helicase MOV10 is phosphorylated and controls unfolding activity and fate of mRNAs targeted for AGO2-mediated silencing. Journal of Biological Chemistry, 2023, 299, 104577.	1.6	0
6839	Insights into Online microRNA Bioinformatics Tools. Non-coding RNA, 2023, 9, 18.	1.3	3
6840	Diabetic cardiomyopathy: The role of microRNAs and long non-coding RNAs. Frontiers in Endocrinology, 0, 14, .	1.5	4
6841	Non-coding RNA and arrhythmias: expression, function, and molecular mechanism. Europace, 2023, 25, 1296-1308.	0.7	3
6842	The role of viruses in cancer development versus cancer therapy: An oncological perspective. Cancer Medicine, 2023, 12, 11127-11148.	1.3	4

#	Article	IF	CITATIONS
6843	Platelet-Derived MicroRNAs Regulate Cardiac Remodeling After Myocardial Ischemia. Circulation Research, 2023, 132, .	2.0	8
6844	Missorting of plasma <scp>miRNAs</scp> in aging and Alzheimer's disease. Journal of Neurochemistry, 2023, 165, 149-161.	2.1	0
6845	Identification of the viral and cellular microRNA interactomes during SARS-CoV-2 infection. Cell Reports, 2023, 42, 112282.	2.9	6
6846	Analysis of common genetic variation across targets of microRNAs dysregulated both in ASD and epilepsy reveals negative correlation. Frontiers in Genetics, $0,14,.$	1.1	1
6847	Effect of Silibinin on the Expression of Mir-20b, Bcl2L11, and Erbb2 in Breast Cancer Cell Lines. Molecular Biotechnology, 0, , .	1.3	0
6848	The impact of developmental genes in non-syndromic cleft lip and/or palate. Journal of the Turkish German Gynecology Association, 2023, 24, 57-64.	0.2	1
6849	The pre-miRNA cleavage assays for DICER. Methods in Enzymology, 2023, , .	0.4	0
6850	The Role of ncRNAs in Cardiac Infarction and Regeneration. Journal of Cardiovascular Development and Disease, 2023, 10, 123.	0.8	4
6852	Post-transcriptional control of hemostatic genes: mechanisms and emerging therapeutic concepts in thrombo-inflammatory disorders. Cardiovascular Research, 0, , .	1.8	3
6853	Noncoding RNAs in diabetic nephropathy. Diabetic Nephropathy, 2022, 2, 39-51.	0.1	0
6854	Evaluation of the Expression Levels of miR-21-5p and miR-429 Genes in Biopsy Samples from Patients with Oral Squamous Cell Carcinoma. Diagnostics, 2023, 13, 1244.	1.3	4
6855	The Role of Epicardial Adipose Tissue-Derived MicroRNAs in the Regulation of Cardiovascular Disease: A Narrative Review. Biology, 2023, 12, 498.	1.3	2
6856	Investigation into miRNA profile in patient groups with and without ST elevation. Biyokimya Dergisi, 2023, .	0.1	0
6857	NF1-Related MicroRNA Gene Polymorphisms and the Susceptibility to Soft Tissue Sarcomas: A Case–Control Study. DNA and Cell Biology, 0, , .	0.9	0
6858	The role of microRNAs in depression. Frontiers in Pharmacology, 0, 14, .	1.6	2
6859	Palmitate alters <scp>miR</scp> â€2137 and <scp>miR</scp> â€503â€5p to induce orexigenic <i>Npy</i> in hypothalamic neuronal cell models: Rescue by oleate and docosahexaenoic acid. Journal of Neuroendocrinology, 0, , .	1.2	4
6860	Small RNAs in andrology: Small messengers with large perspectives. Andrology, 2023, 11, 625-627.	1.9	1
6861	The miRNA Landscape of Lacrimal Glands in a Murine Model of Autoimmune Dacryoadenitis., 2023, 64, 1.		2

#	Article	IF	CITATIONS
6862	miRâ€132â€3p promotes heat stimulationâ€induced esophageal squamous cell carcinoma tumorigenesis by targeting KCNK2. Molecular Carcinogenesis, 2023, 62, 583-597.	1.3	0
6863	Micro RNAs and Circular RNAs in Different Forms of Otitis Media. International Journal of Molecular Sciences, 2023, 24, 6752.	1.8	2
6864	Regulation of LncRNAs and microRNAs in neuronal development and disease. PeerJ, 0, 11, e15197.	0.9	4
6865	Positive selection of somatically mutated clones identifies adaptive pathways in metabolic liver disease. Cell, 2023, 186, 1968-1984.e20.	13.5	11
6866	The CXCR4/miR-1910-5p/MMRN2 Axis Is Involved in Corneal Neovascularization by Affecting Vascular Permeability. , 2023, 64, 10.		1
6867	Small non-coding RNA in plants: from basic science to innovative applications. MicroRNA (Shariqah,) Tj ETQq1 1 C).784314 i 0.6	rgBT /Overlo
6868	Colon cancer transcriptome. Progress in Biophysics and Molecular Biology, 2023, 180-181, 49-82.	1.4	5
6869	The role of noncoding <scp>RNAs</scp> in pancreatic birth defects. Birth Defects Research, 0, , .	0.8	0
6870	An Insight into Codon Pattern Analysis of Autophagy Genes Associated with Virus Infection. Current Pharmaceutical Design, 2023, 29, 1105-1120.	0.9	2
6871	Tumor suppressive functions of hsa‑miR‑34a on cell cycle, migration and protective autophagy in bladder cancer. International Journal of Oncology, 2023, 62, .	1.4	4
6872	spongEffects: ceRNA modules offer patient-specific insights into the miRNA regulatory landscape. Bioinformatics, 2023, 39, .	1.8	2
6873	<i>MiR-532-3p</i> inhibited the methylation of <i>SOCS2</i> to suppress the progression of PC by targeting <i>DNMT3A</i> Life Science Alliance, 2023, 6, e202201703.	1.3	1
6874	MicroRNAs in gametes and preimplantation embryos: Clinical implications., 2023,, 251-287.		0
6875	A tiny loop in the Argonaute <scp>PIWI</scp> domain tunes small <scp>RNA</scp> seed strength. EMBO Reports, 2023, 24, .	2.0	3
6877	A concise review on miRNAs as regulators of colon cancer stem cells and associated signalling pathways. Clinical and Translational Oncology, 2023, 25, 3345-3356.	1.2	2
6878	Imbalanced multi-label data classification as a bi-level optimization problem: application to miRNA-related diseases diagnosis. Neural Computing and Applications, 0, , .	3.2	0
6893	microRNA, epi-microRNA, and cancer. , 2023, , 85-107.		0
6897	MicroRNAs in Neural Stem Cells. , 2015, , 167-186.		0

#	Article	IF	CITATIONS
6898	MicroRNA Bioinformatics., 2023,, 791-815.		0
6899	MicroRNAs in Pancreas and Islet Development and Function. , 2023, , 315-339.		O
6916	MicroRNA Expression Profile in Patients Admitted to ICU as Novel and Reliable Approach for Diagnostic and Therapeutic Purposes. Molecular Biotechnology, 0, , .	1.3	0
6929	An update on microRNA as a potential blood-based biomarker for Alzheimer's disease. Nucleus (India), 0, , .	0.9	O
6960	Stress, microRNAs, and stress-related psychiatric disorders: an overview. Molecular Psychiatry, 0, , .	4.1	4
6961	MicroRNAs and Long Non-coding RNAs as Key Targets. , 2023, , 39-76.		O
6964	Regulatory Roles of MicroRNAs in the Pathogenesis of Metabolic Syndrome. Molecular Biotechnology, 0 , , .	1.3	0
6971	MicroRNA therapeutics and Nucleic Acid Nano-Delivery Systems in Bacterial Infection: a review. Journal of Materials Chemistry B, O, , .	2.9	O
6980	Using CRISPR/Cas9 to Edit a Thyroid Cancer Cell Line. Advances in Experimental Medicine and Biology, 2023, , 73-84.	0.8	0
6991	MicroRNAs in aldosterone production and action. Vitamins and Hormones, 2024, , 137-163.	0.7	0
7005	Epigenetic regulation in major depression and other stress-related disorders: molecular mechanisms, clinical relevance and therapeutic potential. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	5
7006	Epigenetic Therapy for Alzheimer's Disease. , 2023, , 199-217.		O
7052	Mobile MicroRNAs: Potential for MicroRNA Biogenesis. , 2023, , 25-47.		0
7067	The role of miR-143/miR-145 in the development, diagnosis, and treatment of diabetes. Journal of Diabetes and Metabolic Disorders, 0, , .	0.8	O
7097	Epigenome editing in cancer: Advances and challenges for potential therapeutic options. International Review of Cell and Molecular Biology, 2024, , 191-230.	1.6	0
7176	The pivotal role of long non-coding RNAs as potential biomarkers and modulators of chemoresistance in ovarian cancer (OC). Human Genetics, 2024, 143, 107-124.	1.8	O
7191	Lipid-Related Pathophysiology of ASD. , 2023, , 145-166.		0