

miRBase: tools for microRNA genomics

Nucleic Acids Research

36, D154-D158

DOI: [10.1093/nar/gkm952](https://doi.org/10.1093/nar/gkm952)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Identification and characterization of new microRNAs from pig. <i>Mammalian Genome</i> , 2008, 19, 570-80.	1.0	42
2	Identification and function of MicroRNAs encoded by herpesviruses. <i>Virologica Sinica</i> , 2008, 23, 459-472.	1.2	4
3	The Cornucopia of Small RNAs in Plant Genomes. <i>Rice</i> , 2008, 1, 52-62.	1.7	7
4	The role of microRNAs (miRNA) in circadian rhythmicity. <i>Journal of Genetics</i> , 2008, 87, 505-511.	0.4	44
5	Microfluidic-based enzymatic on-chip labeling of miRNAs. <i>New Biotechnology</i> , 2008, 25, 142-149.	2.4	59
6	Mouse ES cells express endogenous shRNAs, siRNAs, and other Microprocessor-independent, Dicer-dependent small RNAs. <i>Genes and Development</i> , 2008, 22, 2773-2785.	2.7	739
7	Circulating microRNAs as stable blood-based markers for cancer detection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10513-10518.	3.3	7,047
8	The evolution and functional diversification of animal microRNA genes. <i>Cell Research</i> , 2008, 18, 985-996.	5.7	134
9	The impact of microRNAs on protein output. <i>Nature</i> , 2008, 455, 64-71.	13.7	3,270
10	Early origins and evolution of microRNAs and Piwi-interacting RNAs in animals. <i>Nature</i> , 2008, 455, 1193-1197.	13.7	630
11	MicroRNAs: Biogenesis and Molecular Functions. <i>Brain Pathology</i> , 2008, 18, 113-121.	2.1	192
12	Recent Updates on Genetics: Teaching Old Dogmas New Tricks. <i>Pediatric Dermatology</i> , 2008, 25, 99-108.	0.5	3
13	MicroRNAs in development and disease. <i>Clinical Genetics</i> , 2008, 74, 296-306.	1.0	206
14	Using a kernel density estimation based classifier to predict species-specific microRNA precursors. <i>BMC Bioinformatics</i> , 2008, 9, S2.	1.2	37
15	Finding microRNA regulatory modules in human genome using rule induction. <i>BMC Bioinformatics</i> , 2008, 9, S5.	1.2	82
16	Selection and mutation on microRNA target sequences during rice evolution. <i>BMC Genomics</i> , 2008, 9, 454.	1.2	45
17	CoGemIR: A comparative genomics microRNA database. <i>BMC Genomics</i> , 2008, 9, 457.	1.2	35
18	Annotation of mammalian primary microRNAs. <i>BMC Genomics</i> , 2008, 9, 564.	1.2	121

#	ARTICLE	IF	CITATIONS
19	Conservation and implications of eukaryote transcriptional regulatory regions across multiple species. <i>BMC Genomics</i> , 2008, 9, 623.	1.2	7
20	Identification of precursor transcripts for 6 novel miRNAs expands the diversity on the genomic organisation and expression of miRNA genes in rice. <i>BMC Plant Biology</i> , 2008, 8, 123.	1.6	46
21	Expression of microRNAs during embryonic development of <i>Xenopus tropicalis</i> . <i>Gene Expression Patterns</i> , 2008, 8, 452-456.	0.3	26
22	MicroRNA and cancer – focus on apoptosis. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 12-23.	1.6	307
23	Murine microRNAs implicated in liver functions and aging process. <i>Mechanisms of Ageing and Development</i> , 2008, 129, 534-541.	2.2	182
24	The let-7 family of microRNAs. <i>Trends in Cell Biology</i> , 2008, 18, 505-516.	3.6	1,160
25	MicroRNA target site polymorphisms and human disease. <i>Trends in Genetics</i> , 2008, 24, 489-497.	2.9	318
26	Cellular versus viral microRNAs in host-virus interaction. <i>Nucleic Acids Research</i> , 2008, 37, 1035-1048.	6.5	174
27	Taking microRNAs to heart. <i>Trends in Molecular Medicine</i> , 2008, 14, 254-260.	3.5	106
28	let-7 microRNAs in development, stem cells and cancer. <i>Trends in Molecular Medicine</i> , 2008, 14, 400-409.	3.5	539
29	Criteria for Annotation of Plant MicroRNAs. <i>Plant Cell</i> , 2008, 20, 3186-3190.	3.1	1,158
30	Diverse small RNA-directed silencing pathways in plants. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 720-724.	0.9	59
31	Interspecies regulation of microRNAs and their targets. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 735-742.	0.9	72
32	MicroRNA biogenesis: there's more than one way to skin a cat. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 663-667.	0.9	94
33	Concatameric cloning of porcine microRNA molecules after assembly PCR. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 484-489.	1.0	20
34	Viral and Cellular MicroRNAs as Determinants of Viral Pathogenesis and Immunity. <i>Cell Host and Microbe</i> , 2008, 3, 375-387.	5.1	378
35	Changes in prostate gene expression in men undergoing an intensive nutrition and lifestyle intervention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8369-8374.	3.3	262
36	Analysis of BART7 MicroRNA from Epstein-Barr Virus-Infected Nasopharyngeal Carcinoma Cells by Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2008, 80, 8554-8560.	3.2	37

#	ARTICLE	IF	CITATIONS
37	The Emergent Role of MicroRNAs in Molecular Diagnostics of Cancer. <i>Journal of Molecular Diagnostics</i> , 2008, 10, 411-414.	1.2	22
38	Using Base Pairing Probabilities for MiRNA Recognition. , 2008, , .		2
39	Mature miRNA identification via the use of a Naive Bayes classifier. , 2008, , .		0
40	Viral miRNAs: tiny but mighty helpers for large and small DNA viruses. <i>Future Virology</i> , 2008, 3, 291-298.	0.9	6
41	Epigenetic and microRNA-mediated regulation in diabetes. <i>Nephrology Dialysis Transplantation</i> , 2008, 24, 1088-1096.	0.4	68
42	Studies of the Interaction of the Viral Suppressor of RNA Silencing Protein p19 with Small RNAs Using Fluorescence Polarization. <i>Biochemistry</i> , 2008, 47, 8130-8138.	1.2	21
43	Prediction of human miRNAs using tissue-selective motifs in 3' UTRs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17061-17066.	3.3	15
44	Right into the heart of microRNA-133a: Figure 1.. <i>Genes and Development</i> , 2008, 22, 3227-3231.	2.7	43
45	MicroRNA Profile of Marek's Disease Virus-Transformed T-Cell Line MSB-1: Predominance of Virus-Encoded MicroRNAs. <i>Journal of Virology</i> , 2008, 82, 4007-4015.	1.5	130
46	A novel biochemical method to identify target genes of individual microRNAs: Identification of a new <i>Caenorhabditis elegans let-7</i> target. <i>Rna</i> , 2008, 14, 2440-2451.	1.6	35
47	MicroRNAs as regulators of epithelial-mesenchymal transition. <i>Cell Cycle</i> , 2008, 7, 3112-3117.	1.3	467
48	Functional genomic, computational and proteomic analysis of <i>C. elegans</i> microRNAs. <i>Briefings in Functional Genomics & Proteomics</i> , 2008, 7, 228-235.	3.8	6
49	Collection and Comparative Analysis of 1888 Full-length cDNAs from Wild Rice <i>Oryza rufipogon</i> Griff. W1943. <i>DNA Research</i> , 2008, 15, 285-295.	1.5	34
50	<i>Physcomitrella patens</i> DCL3 Is Required for 22-24 nt siRNA Accumulation, Suppression of Retrotransposon-Derived Transcripts, and Normal Development. <i>PLoS Genetics</i> , 2008, 4, e1000314.	1.5	68
51	Hormonal Regulation of MicroRNA Expression in Periovulatory Mouse Mural Granulosa Cells1. <i>Biology of Reproduction</i> , 2008, 79, 1030-1037.	1.2	200
52	Thermodynamic stability and Watson-Crick base pairing in the seed duplex are major determinants of the efficiency of the siRNA-based off-target effect. <i>Nucleic Acids Research</i> , 2008, 36, 7100-7109.	6.5	138
53	Mireval: a web tool for simple microRNA prediction in genome sequences. <i>Bioinformatics</i> , 2008, 24, 1394-1396.	1.8	41
54	A set of differentially expressed miRNAs, including miR-30a-5p, act as post-transcriptional inhibitors of BDNF in prefrontal cortex. <i>Human Molecular Genetics</i> , 2008, 17, 3030-3042.	1.4	239

#	ARTICLE	IF	CITATIONS
55	miR-16 family induces cell cycle arrest by regulating multiple cell cycle genes. <i>Nucleic Acids Research</i> , 2008, 36, 5391-5404.	6.5	431
56	An Analysis of Structural Influences on Selection in RNA Genes. <i>Molecular Biology and Evolution</i> , 2008, 26, 209-216.	3.5	8
57	The long and short of inverted repeat genes in animals: MicroRNAs, mirtrons and hairpin RNAs. <i>Cell Cycle</i> , 2008, 7, 2840-2845.	1.3	69
58	Disease phenocode analysis identifies SNP-guided microRNA maps (MirMaps) associated with human "master" disease genes. <i>Cell Cycle</i> , 2008, 7, 3680-3694.	1.3	30
59	Transcriptome and Proteome Analyses of Drug Interactions with Natural Products. <i>Current Drug Metabolism</i> , 2008, 9, 1038-1048.	0.7	18
60	Sequence Relationships among <i>C. elegans</i> , <i>D. melanogaster</i> and Human microRNAs Highlight the Extensive Conservation of microRNAs in Biology. <i>PLoS ONE</i> , 2008, 3, e2818.	1.1	153
61	Comparative characterization of a temperature responsive gene (lactate dehydrogenase-B, <i>ldh-b</i>) in two congeneric tropical fish, <i>Lates calcarifer</i> and <i>Lates niloticus</i> . <i>International Journal of Biological Sciences</i> , 2009, 5, 558-569.	2.6	9
62	A Genome-Wide Characterization of MicroRNA Genes in Maize. <i>PLoS Genetics</i> , 2009, 5, e1000716.	1.5	318
63	Investigating Gene and MicroRNA Expression in Glioblastoma. , 2009, , .		0
64	MicroRNAs As Novel Regulators of Angiogenesis. <i>Circulation Research</i> , 2009, 104, 442-454.	2.0	383
65	Connecting Biological Themes Using a Single Human Network of Gene Associations. , 2009, , .		0
66	Meta-analysis of small RNA-sequencing errors reveals ubiquitous post-transcriptional RNA modifications. <i>Nucleic Acids Research</i> , 2009, 37, 2461-2470.	6.5	196
67	Selective stabilization of mammalian microRNAs by 3' adenylation mediated by the cytoplasmic poly(A) polymerase GLD-2. <i>Genes and Development</i> , 2009, 23, 433-438.	2.7	378
68	FASTR3D: a fast and accurate search tool for similar RNA 3D structures. <i>Nucleic Acids Research</i> , 2009, 37, W287-W295.	6.5	14
69	Cell contact-dependent acquisition of cellular and viral nonautonomously encoded small RNAs. <i>Genes and Development</i> , 2009, 23, 1971-1979.	2.7	106
70	Customized strategies for discovering distant ncRNA homologs. <i>Briefings in Functional Genomics & Proteomics</i> , 2009, 8, 451-460.	3.8	17
71	Regulation of the Mammalian Nervous System by MicroRNAs. <i>Molecular Pharmacology</i> , 2009, 75, 259-264.	1.0	48
72	Coupled RNA Processing and Transcription of Intergenic Primary MicroRNAs. <i>Molecular and Cellular Biology</i> , 2009, 29, 5632-5638.	1.1	101

#	ARTICLE	IF	CITATIONS
73	The role of RNAi and microRNAs in animal virus replication and antiviral immunity. <i>Genes and Development</i> , 2009, 23, 1151-1164.	2.7	340
74	The microRNA Signature in Response to Insulin Reveals Its Implication in the Transcriptional Action of Insulin in Human Skeletal Muscle and the Role of a Sterol Regulatory Elementâ€“Binding Protein-1c/Myocyte Enhancer Factor 2C Pathway. <i>Diabetes</i> , 2009, 58, 2555-2564.	0.3	133
75	G-MicroRNA: A New Tool for MicroRNA Genomics. , 2009, , .		0
76	miR-22 Inhibits Estrogen Signaling by Directly Targeting the Estrogen Receptor β mRNA. <i>Molecular and Cellular Biology</i> , 2009, 29, 3783-3790.	1.1	236
77	Abundant and dynamically expressed miRNAs, piRNAs, and other small RNAs in the vertebrate <i>Xenopus tropicalis</i> . <i>Genome Research</i> , 2009, 19, 1766-1775.	2.4	83
78	MicroRNA-155 Modulates the Pathogen Binding Ability of Dendritic Cells (DCs) by Down-regulation of DC-specific Intercellular Adhesion Molecule-3 Grabbing Non-integrin (DC-SIGN). <i>Journal of Biological Chemistry</i> , 2009, 284, 16334-16342.	1.6	206
79	Small RNAs serve as a genetic buffer against genomic shock in <i>Arabidopsis</i> interspecific hybrids and allopolyploids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17835-17840.	3.3	320
80	WhichGenes: a web-based tool for gathering, building, storing and exporting gene sets with application in gene set enrichment analysis. <i>Nucleic Acids Research</i> , 2009, 37, W329-W334.	6.5	30
81	Functional links between clustered microRNAs: suppression of cell-cycle inhibitors by microRNA clusters in gastric cancer. <i>Nucleic Acids Research</i> , 2009, 37, 1672-1681.	6.5	429
82	Post-transcriptional control of DGCR8 expression by the Microprocessor. <i>Rna</i> , 2009, 15, 1005-1011.	1.6	119
83	miR-145 directs intestinal maturation in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17793-17798.	3.3	64
84	Acquisition of the contractile phenotype by murine arterial smooth muscle cells depends on the Mir143/145 gene cluster. <i>Journal of Clinical Investigation</i> , 2009, 119, 2634-2647.	3.9	583
85	Differential expression of microRNAs in Marek's disease virus-transformed T-lymphoma cell lines. <i>Journal of General Virology</i> , 2009, 90, 1551-1559.	1.3	59
86	A committee of NNA classifiers for the prediction of the binding between miRNAs and the target genes using a novel coding method. , 2009, , .		0
87	The Rat Genome Database 2009: variation, ontologies and pathways. <i>Nucleic Acids Research</i> , 2009, 37, D744-D749.	6.5	70
88	The UCSC Genome Browser Database: update 2009. <i>Nucleic Acids Research</i> , 2009, 37, D755-D761.	6.5	329
89	MicroRNA-208a is a regulator of cardiac hypertrophy and conduction in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 2772-2786.	3.9	756
90	Gene expression and hepatitis C virus infection. <i>Gut</i> , 2009, 58, 846-858.	6.1	90

#	ARTICLE	IF	CITATIONS
91	Current and Future Applications of Transcriptomics for Discovery in CNS Disease and Injury. <i>NeuroSignals</i> , 2009, 17, 311-327.	0.5	14
92	Expression profile of microRNA in epithelial cancer: diagnosis, classification and prediction. <i>Expert Opinion on Medical Diagnostics</i> , 2009, 3, 25-36.	1.6	4
93	Human genome connectivity code links disease-associated SNPs, microRNAs and pyknons. <i>Cell Cycle</i> , 2009, 8, 925-930.	1.3	12
94	MicroRNAs in cholangiociliopathies. <i>Cell Cycle</i> , 2009, 8, 1324-1328.	1.3	22
95	A novel method for MicroRNA secondary structure prediction using a bottom-up algorithm. , 2009, , .		3
96	Quality Assessment and Data Analysis for microRNA Expression Arrays. <i>Nucleic Acids Research</i> , 2009, 37, e17-e17.	6.5	45
97	Current Trends in Pseudogene Detection and Characterization. <i>Current Bioinformatics</i> , 2009, 4, 112-119.	0.7	20
98	MicroRNA expression changes in lymphoblastoid cell lines in response to lithium treatment. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 975.	1.0	97
99	<i>microRNA-24a</i> is required to repress apoptosis in the developing neural retina. <i>Genes and Development</i> , 2009, 23, 1046-1051.	2.7	106
100	Disease-Causing 7.4 kb Cis-Regulatory Deletion Disrupting Conserved Non-Coding Sequences and Their Interaction with the FOXL2 Promotor: Implications for Mutation Screening. <i>PLoS Genetics</i> , 2009, 5, e1000522.	1.5	83
101	Pre-Micro RNA Signatures Delineate Stages of Endothelial Cell Transformation in Kaposi Sarcoma. <i>PLoS Pathogens</i> , 2009, 5, e1000389.	2.1	60
102	Evidence for Antisense Transcription Associated with MicroRNA Target mRNAs in Arabidopsis. <i>PLoS Genetics</i> , 2009, 5, e1000457.	1.5	31
103	Lineage-Specific Biology Revealed by a Finished Genome Assembly of the Mouse. <i>PLoS Biology</i> , 2009, 7, e1000112.	2.6	419
104	Conserved Expression Patterns Predict microRNA Targets. <i>PLoS Computational Biology</i> , 2009, 5, e1000513.	1.5	49
105	Methodologies for In Vitro Cloning of Small RNAs and Application for Plant Genome(s). <i>International Journal of Plant Genomics</i> , 2009, 2009, 1-13.	2.2	10
106	Evolutionary Origin and Genomic Organization of Micro-RNA Genes in Immunoglobulin Lambda Variable Region Gene Family. <i>Molecular Biology and Evolution</i> , 2009, 26, 1179-1189.	3.5	22
107	MicroRNA: a new frontier in kidney and blood pressure research. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F553-F558.	1.3	89
108	Review of Current Methodological Approaches for Characterizing MicroRNAs in Plants. <i>International Journal of Plant Genomics</i> , 2009, 2009, 1-11.	2.2	62

#	ARTICLE	IF	CITATIONS
109	miROrtho: computational survey of microRNA genes. <i>Nucleic Acids Research</i> , 2009, 37, D111-D117.	6.5	65
110	Silencing Viral MicroRNA as a Novel Antiviral Therapy?. <i>Journal of Biomedicine and Biotechnology</i> , 2009, 2009, 1-18.	3.0	30
111	Evidence for Selective microRNAs and Their Effectors as Common Long-Term Targets for the Actions of Mood Stabilizers. <i>Neuropsychopharmacology</i> , 2009, 34, 1395-1405.	2.8	284
112	MicroRNAs couple cell fate and developmental timing in retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21179-21184.	3.3	124
113	Dicer-1-dependent Dacapo suppression acts downstream of Insulin receptor in regulating cell division of <i>Drosophila</i> germline stem cells. <i>Development (Cambridge)</i> , 2009, 136, 1497-1507.	1.2	59
114	Integrative molecular bioinformatics study of human adrenocortical tumors: microRNA, tissue-specific target prediction, and pathway analysis. <i>Endocrine-Related Cancer</i> , 2009, 16, 895-906.	1.6	154
115	Evolutionarily Stable Association of Intronic snoRNAs and microRNAs with Their Host Genes. <i>Genome Biology and Evolution</i> , 2009, 1, 420-428.	1.1	42
116	MicroRNA-Biogenesis and Pre-mRNA Splicing Crosstalk. <i>Journal of Biomedicine and Biotechnology</i> , 2009, 2009, 1-6.	3.0	76
117	Regulation of the steroidogenic acute regulatory protein gene expression: present and future perspectives. <i>Molecular Human Reproduction</i> , 2009, 15, 321-333.	1.3	247
118	Statistical Use of Argonaute Expression and RISC Assembly in microRNA Target Identification. <i>PLoS Computational Biology</i> , 2009, 5, e1000516.	1.5	14
119	Alternative Splicing in the Differentiation of Human Embryonic Stem Cells into Cardiac Precursors. <i>PLoS Computational Biology</i> , 2009, 5, e1000553.	1.5	86
120	Novel miR390-Dependent Transacting siRNA Precursors in Plants Revealed by a PCR-Based Experimental Approach and Database Analysis. <i>Journal of Biomedicine and Biotechnology</i> , 2009, 2009, 1-9.	3.0	18
121	GeneCodis: interpreting gene lists through enrichment analysis and integration of diverse biological information. <i>Nucleic Acids Research</i> , 2009, 37, W317-W322.	6.5	391
122	miRecords: an integrated resource for microRNA-target interactions. <i>Nucleic Acids Research</i> , 2009, 37, D105-D110.	6.5	1,304
123	Genome-Wide <i>Medicago truncatula</i> Small RNA Analysis Revealed Novel MicroRNAs and Isoforms Differentially Regulated in Roots and Nodules. <i>Plant Cell</i> , 2009, 21, 2780-2796.	3.1	270
124	Massive transcriptional start site analysis of human genes in hypoxia cells. <i>Nucleic Acids Research</i> , 2009, 37, 2249-2263.	6.5	103
125	A high throughput experimental approach to identify miRNA targets in human cells. <i>Nucleic Acids Research</i> , 2009, 37, e137-e137.	6.5	105
126	Identification of microRNA regulatory modules in <i>Arabidopsis</i> via a probabilistic graphical model. <i>Bioinformatics</i> , 2009, 25, 387-393.	1.8	43

#	ARTICLE	IF	CITATIONS
127	SNPs in human miRNA genes affect biogenesis and function. <i>Rna</i> , 2009, 15, 1640-1651.	1.6	330
128	DGCR8-dependent microRNA biogenesis is essential for skin development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 498-502.	3.3	217
129	miRo: a miRNA knowledge base. <i>Database: the Journal of Biological Databases and Curation</i> , 2009, 2009, bap008-bap008.	1.4	84
130	Thermodynamic characterization of tandem mismatches found in naturally occurring RNA. <i>Nucleic Acids Research</i> , 2009, 37, 4696-4706.	6.5	19
131	Evidence for human microRNA-offset RNAs in small RNA sequencing data. <i>Bioinformatics</i> , 2009, 25, 2298-2301.	1.8	120
132	miR-199a*, a Bone Morphogenic Protein 2-responsive MicroRNA, Regulates Chondrogenesis via Direct Targeting to Smad1. <i>Journal of Biological Chemistry</i> , 2009, 284, 11326-11335.	1.6	213
133	Repertoire and evolution of miRNA genes in four divergent nematode species. <i>Genome Research</i> , 2009, 19, 2064-2074.	2.4	107
134	Establishing legitimacy and function in the new transcriptome. <i>Briefings in Functional Genomics & Proteomics</i> , 2009, 8, 424-436.	3.8	62
135	Deciphering the diversity of small RNAs in plants: the long and short of it. <i>Briefings in Functional Genomics & Proteomics</i> , 2009, 8, 472-481.	3.8	28
136	Gene structures and processing of <i>Arabidopsis thaliana</i> HYL1-dependent pri-miRNAs. <i>Nucleic Acids Research</i> , 2009, 37, 3083-3093.	6.5	130
137	An Ariadne's thread to the identification and annotation of noncoding RNAs in eukaryotes. <i>Briefings in Bioinformatics</i> , 2009, 10, 475-489.	3.2	25
138	Human microRNAs co-silence in well-separated groups and have different predicted essentialities. <i>Bioinformatics</i> , 2009, 25, 1063-1069.	1.8	35
139	miR2Disease: a manually curated database for microRNA deregulation in human disease. <i>Nucleic Acids Research</i> , 2009, 37, D98-D104.	6.5	1,255
140	MicroRNA Regulation of DNA Repair Gene Expression in Hypoxic Stress. <i>Cancer Research</i> , 2009, 69, 1221-1229.	0.4	402
141	Rfam: updates to the RNA families database. <i>Nucleic Acids Research</i> , 2009, 37, D136-D140.	6.5	820
142	The Functional RNA Database 3.0: databases to support mining and annotation of functional RNAs. <i>Nucleic Acids Research</i> , 2009, 37, D89-D92.	6.5	119
143	microRNA expression in the eyes and their significance in relation to functions. <i>Progress in Retinal and Eye Research</i> , 2009, 28, 87-116.	7.3	96
144	Regulating the regulators: mechanisms controlling the maturation of microRNAs. <i>Trends in Biotechnology</i> , 2009, 27, 27-36.	4.9	97

#	ARTICLE	IF	CITATIONS
145	Prediction of guide strand of microRNAs from its sequence and secondary structure. BMC Bioinformatics, 2009, 10, 105.	1.2	58
146	dbSMR: a novel resource of genome-wide SNPs affecting microRNA mediated regulation. BMC Bioinformatics, 2009, 10, 108.	1.2	62
147	Accurate microRNA target prediction correlates with protein repression levels. BMC Bioinformatics, 2009, 10, 295.	1.2	301
148	miRExpress: Analyzing high-throughput sequencing data for profiling microRNA expression. BMC Bioinformatics, 2009, 10, 328.	1.2	165
149	Exploring complex miRNA-mRNA interactions with Bayesian networks by splitting-averaging strategy. BMC Bioinformatics, 2009, 10, 408.	1.2	72
150	In silico method for systematic analysis of feature importance in microRNA-mRNA interactions. BMC Bioinformatics, 2009, 10, 427.	1.2	12
151	A structural interpretation of the effect of GC-content on efficiency of RNA interference. BMC Bioinformatics, 2009, 10, S33.	1.2	74
152	Computational identification of condition-specific miRNA targets based on gene expression profiles and sequence information. BMC Bioinformatics, 2009, 10, S34.	1.2	13
153	Computational prediction of novel non-coding RNAs in Arabidopsis thaliana. BMC Bioinformatics, 2009, 10, S36.	1.2	40
154	An EST screen from the annelid Pomatoceros lamarckii reveals patterns of gene loss and gain in animals. BMC Evolutionary Biology, 2009, 9, 240.	3.2	40
155	Identification and characterization of new miRNAs cloned from normal mouse mammary gland. BMC Genomics, 2009, 10, 149.	1.2	38
156	Bioinformatics analysis suggests base modifications of tRNAs and miRNAs in Arabidopsis thaliana. BMC Genomics, 2009, 10, 155.	1.2	44
157	Correlation of expression profiles between microRNAs and mRNA targets using NCI-60 data. BMC Genomics, 2009, 10, 218.	1.2	123
158	MicroPC (¼PC): A comprehensive resource for predicting and comparing plant microRNAs. BMC Genomics, 2009, 10, 366.	1.2	32
159	Computational identification of hepatitis C virus associated microRNA-mRNA regulatory modules in human livers. BMC Genomics, 2009, 10, 373.	1.2	178
160	Reproducibility of quantitative RT-PCR array in miRNA expression profiling and comparison with microarray analysis. BMC Genomics, 2009, 10, 407.	1.2	271
161	Sequence features associated with microRNA strand selection in humans and flies. BMC Genomics, 2009, 10, 413.	1.2	139
162	Reciprocal regulation of microRNA and mRNA profiles in neuronal development and synapse formation. BMC Genomics, 2009, 10, 419.	1.2	32

#	ARTICLE	IF	CITATIONS
163	MicroRNA expression profiling during the life cycle of the silkworm (<i>Bombyx mori</i>). <i>BMC Genomics</i> , 2009, 10, 455.	1.2	54
164	Enrichment of a set of microRNAs during the cotton fiber development. <i>BMC Genomics</i> , 2009, 10, 457.	1.2	113
165	Homology-based annotation of non-coding RNAs in the genomes of <i>Schistosoma mansoni</i> and <i>Schistosoma japonicum</i> . <i>BMC Genomics</i> , 2009, 10, 464.	1.2	51
166	Characterization of full-length sequenced cDNA inserts (FLICs) from Atlantic salmon (<i>Salmo salar</i>). <i>BMC Genomics</i> , 2009, 10, 502.	1.2	29
167	Identification of differentially expressed miRNAs in chicken lung and trachea with avian influenza virus infection by a deep sequencing approach. <i>BMC Genomics</i> , 2009, 10, 512.	1.2	113
168	High throughput approaches reveal splicing of primary microRNA transcripts and tissue specific expression of mature microRNAs in <i>Vitis vinifera</i> . <i>BMC Genomics</i> , 2009, 10, 558.	1.2	62
169	Direct sequencing and expression analysis of a large number of miRNAs in <i>Aedes aegypti</i> and a multi-species survey of novel mosquito miRNAs. <i>BMC Genomics</i> , 2009, 10, 581.	1.2	88
170	Deciphering the transcriptional circuitry of microRNA genes expressed during human monocytic differentiation. <i>BMC Genomics</i> , 2009, 10, 595.	1.2	65
171	Genome-wide profiling of <i>Populus</i> small RNAs. <i>BMC Genomics</i> , 2009, 10, 620.	1.2	90
172	MicroRNA transcriptome profiles during swine skeletal muscle development. <i>BMC Genomics</i> , 2009, 10, 77.	1.2	100
173	Rapid evolution of mammalian X-linked testis microRNAs. <i>BMC Genomics</i> , 2009, 10, 97.	1.2	98
174	PDbase: a database of Parkinson's Disease-related genes and genetic variation using substantia nigra ESTs. <i>BMC Genomics</i> , 2009, 10, S32.	1.2	20
175	Ontology-oriented retrieval of putative microRNAs in <i>Vitis vinifera</i> via GrapeMiRNA: a web database of de novo predicted grape microRNAs. <i>BMC Plant Biology</i> , 2009, 9, 82.	1.6	8
176	miRNAs in lung cancer - Studying complex fingerprints in patient's blood cells by microarray experiments. <i>BMC Cancer</i> , 2009, 9, 353.	1.1	135
177	Clustered microRNAs' coordination in regulating protein-protein interaction network. <i>BMC Systems Biology</i> , 2009, 3, 65.	3.0	101
178	Characterization of the siRNAs associated with peach latent mosaic viroid infection. <i>Virology</i> , 2009, 383, 178-182.	1.1	41
179	The microRNAs of Epstein-Barr Virus are expressed at dramatically differing levels among cell lines. <i>Virology</i> , 2009, 386, 387-397.	1.1	130
180	MicroRNAs of Gallid and Meleagrid herpesviruses show generally conserved genomic locations and are virus-specific. <i>Virology</i> , 2009, 388, 128-136.	1.1	56

#	ARTICLE	IF	CITATIONS
181	MicroRNAs and micromanaging the skeleton in disease, development and evolution. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 606-618.	1.6	37
182	Developing genomic platforms for Chinese hamster ovary cells. <i>Biotechnology Advances</i> , 2009, 27, 1028-1035.	6.0	55
183	MicroRNA expression changes during human leukemic HL-60 cell differentiation induced by 4-hydroxynonenal, a product of lipid peroxidation. <i>Free Radical Biology and Medicine</i> , 2009, 46, 282-288.	1.3	55
184	Discovery of functional miRNA-mRNA regulatory modules with computational methods. <i>Journal of Biomedical Informatics</i> , 2009, 42, 685-691.	2.5	54
185	Rolling-circle Amplification: Unshared Advantages in miRNA Detection. <i>ChemBioChem</i> , 2009, 10, 1289-1291.	1.3	32
186	MicroRNAs align with accessible sites in target mRNAs. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 509-518.	1.2	5
187	Strategies for profiling MicroRNA expression. <i>Journal of Cellular Physiology</i> , 2009, 218, 22-25.	2.0	107
188	Genomic organization of microRNAs. <i>Journal of Cellular Physiology</i> , 2010, 222, 540-545.	2.0	183
189	<i>CDKN2A</i> , <i>NF2</i> , and <i>JUN</i> are dysregulated among other genes by miRNAs in malignant mesothelioma: A miRNA microarray analysis. <i>Genes Chromosomes and Cancer</i> , 2009, 48, 615-623.	1.5	248
190	Characterization of B- and T-lineage acute lymphoblastic leukemia by integrated analysis of MicroRNA and mRNA expression profiles. <i>Genes Chromosomes and Cancer</i> , 2009, 48, 1069-1082.	1.5	87
191	MicroRNAs are novel biomarkers of colorectal cancer. <i>British Journal of Surgery</i> , 2009, 96, 702-710.	0.1	107
192	Genomic landscape of developing male germ cells. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2009, 87, 43-63.	3.6	40
193	Malate dehydrogenase is negatively regulated by miR-1 in <i>Trichomonas vaginalis</i> . <i>Parasitology Research</i> , 2009, 105, 1683-1689.	0.6	16
194	Analytical methods for inferring functional effects of single base pair substitutions in human cancers. <i>Human Genetics</i> , 2009, 126, 481-498.	1.8	19
195	The evolution and application of techniques in molecular biology to human brain tumors: a 25-year perspective. <i>Journal of Neuro-Oncology</i> , 2009, 92, 261-273.	1.4	7
196	Abundant conserved microRNA target sites in the 5'-untranslated region and coding sequence. <i>Genetica</i> , 2009, 137, 159-164.	0.5	86
197	Expression of MicroRNAs in Cotton. <i>Molecular Biotechnology</i> , 2009, 42, 269-274.	1.3	27
198	Defining genes: a computational framework. <i>Theory in Biosciences</i> , 2009, 128, 165-170.	0.6	22

#	ARTICLE	IF	CITATIONS
199	miRNAs modulate the drug response of tumor cells. <i>Science in China Series C: Life Sciences</i> , 2009, 52, 797-801.	1.3	26
200	Oocytes and early embryos selectively express the survival factor BCL2L10. <i>Journal of Molecular Medicine</i> , 2009, 87, 923-940.	1.7	38
201	Trends in microRNA detection. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1109-1116.	1.9	139
202	MicroRNAs and epigenetic regulation in the mammalian inner ear: implications for deafness. <i>Mammalian Genome</i> , 2009, 20, 581-603.	1.0	52
203	Non-coding RNAs revealed during identification of genes involved in chicken immune responses. <i>Immunogenetics</i> , 2009, 61, 55-70.	1.2	17
204	MicroRNAs: Control and Loss of Control in Human Physiology and Disease. <i>World Journal of Surgery</i> , 2009, 33, 667-684.	0.8	189
205	Sex-different and growth hormone-regulated expression of microRNA in rat liver. <i>BMC Molecular Biology</i> , 2009, 10, 13.	3.0	35
206	Autism genetic database (AGD): a comprehensive database including autism susceptibility gene-CNVs integrated with known noncoding RNAs and fragile sites. <i>BMC Medical Genetics</i> , 2009, 10, 102.	2.1	41
207	RNA degradation compromises the reliability of microRNA expression profiling. <i>BMC Biotechnology</i> , 2009, 9, 102.	1.7	91
208	Intrinsic expression of host genes and intronic miRNAs in prostate carcinoma cells. <i>Cancer Cell International</i> , 2009, 9, 21.	1.8	35
209	Identification and analysis of miRNAs in human breast cancer and teratoma samples using deep sequencing. <i>BMC Medical Genomics</i> , 2009, 2, 35.	0.7	40
210	Regulation of microRNA biosynthesis and expression in 2102Ep embryonal carcinoma stem cells is mirrored in ovarian serous adenocarcinoma patients. <i>Journal of Ovarian Research</i> , 2009, 2, 19.	1.3	20
211	<i>MIRN199B</i> downregulation in chronic myeloid leukaemia is associated with deletions on der(9). <i>British Journal of Haematology</i> , 2009, 144, 271-273.	1.2	7
212	REVIEW ARTICLE: Epigenetics in the Placenta. <i>American Journal of Reproductive Immunology</i> , 2009, 62, 78-89.	1.2	174
213	First step in pre-miRNAs processing by human Dicer. <i>Acta Pharmacologica Sinica</i> , 2009, 30, 1177-1185.	2.8	35
214	Tiny RNAs associated with transcription start sites in animals. <i>Nature Genetics</i> , 2009, 41, 572-578.	9.4	327
215	Decreased levels of microRNA miR-122 in individuals with hepatitis C responding poorly to interferon therapy. <i>Nature Medicine</i> , 2009, 15, 31-33.	15.2	304
216	Large-scale sorting of <i>C. elegans</i> embryos reveals the dynamics of small RNA expression. <i>Nature Methods</i> , 2009, 6, 745-751.	9.0	91

#	ARTICLE	IF	CITATIONS
217	Predicting microRNA targets and functions: traps for the unwary. <i>Nature Methods</i> , 2009, 6, 397-398.	9.0	168
218	Small silencing RNAs: an expanding universe. <i>Nature Reviews Genetics</i> , 2009, 10, 94-108.	7.7	2,142
219	Exploiting and antagonizing microRNA regulation for therapeutic and experimental applications. <i>Nature Reviews Genetics</i> , 2009, 10, 578-585.	7.7	362
220	MicroRNAs tell an evolutionary story. <i>Nature Reviews Neuroscience</i> , 2009, 10, 754-759.	4.9	49
221	Protein lysate microarray analysis to identify microRNAs regulating estrogen receptor signaling in breast cancer cell lines. <i>Oncogene</i> , 2009, 28, 3926-3936.	2.6	205
222	A study of microRNAs <i>in silico</i> and <i>in vivo</i> : bioinformatics approaches to microRNA discovery and target identification. <i>FEBS Journal</i> , 2009, 276, 2150-2156.	2.2	59
223	The deep evolution of metazoan microRNAs. <i>Evolution & Development</i> , 2009, 11, 50-68.	1.1	491
224	Large-scale sequence analyses of Atlantic cod. <i>New Biotechnology</i> , 2009, 25, 263-271.	2.4	73
225	Computational identification of novel microRNA homologs in the chimpanzee genome. <i>Computational Biology and Chemistry</i> , 2009, 33, 62-70.	1.1	39
226	Genome-wide computational identification of microRNAs and their targets in the deep-branching eukaryote <i>Giardia lamblia</i> . <i>Computational Biology and Chemistry</i> , 2009, 33, 391-396.	1.1	22
227	Predicting potential miRNA target sites within gene promoters. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3791-3794.	1.0	67
228	Identification of forensically relevant body fluids using a panel of differentially expressed microRNAs. <i>Analytical Biochemistry</i> , 2009, 387, 303-314.	1.1	324
229	Circulating miRNA and cancer diagnosis. <i>Science in China Series C: Life Sciences</i> , 2009, 52, 1117-1122.	1.3	31
230	Identification of microRNA expression patterns and definition of a microRNA/mRNA regulatory network in distinct molecular groups of multiple myeloma. <i>Blood</i> , 2009, 114, e20-e26.	0.6	224
231	Therapeutic MicroRNA Strategies in Human Cancer. <i>AAPS Journal</i> , 2009, 11, 747-57.	2.2	153
232	Involvement of CD40 Targeting miR-224 and miR-486 on the Progression of Pancreatic Ductal Adenocarcinomas. <i>Annals of Surgical Oncology</i> , 2009, 16, 2339-2350.	0.7	123
233	MicroRNAs: Novel Diagnostic and Therapeutic Tools for Pancreatic Ductal Adenocarcinoma?. <i>Annals of Surgical Oncology</i> , 2009, 16, 3183-3189.	0.7	54
234	Methodology for Discovery of Alzheimer's Disease Blood-Based Biomarkers. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 636-645.	1.7	35

#	ARTICLE	IF	CITATIONS
235	Signatures of Purifying and Local Positive Selection in Human miRNAs. <i>American Journal of Human Genetics</i> , 2009, 84, 316-327.	2.6	83
236	MicroRNAs in the Rhizobia Legume Symbiosis. <i>Plant Physiology</i> , 2009, 151, 1002-1008.	2.3	63
237	Breast Cancer Metastasis Suppressor 1 Up-regulates miR-146, Which Suppresses Breast Cancer Metastasis. <i>Cancer Research</i> , 2009, 69, 1279-1283.	0.4	358
238	MicroRNA polymorphisms: a giant leap towards personalized medicine. <i>Personalized Medicine</i> , 2009, 6, 119-125.	0.8	19
239	New class of microRNA targets containing simultaneous 5'UTR and 3'UTR interaction sites. <i>Genome Research</i> , 2009, 19, 1175-1183.	2.4	398
240	Differential expression of miRNAs in response to salt stress in maize roots. <i>Annals of Botany</i> , 2009, 103, 29-38.	1.4	467
241	Resources for Small Regulatory RNAs. <i>Current Protocols in Molecular Biology</i> , 2009, 87, Unit19.8.	2.9	2
242	Combinatorial Control of Suicide Gene Expression by Tissue-specific Promoter and microRNA Regulation for Cancer Therapy. <i>Molecular Therapy</i> , 2009, 17, 2058-2066.	3.7	67
243	Loss of Cardiac microRNA-Mediated Regulation Leads to Dilated Cardiomyopathy and Heart Failure. <i>Circulation Research</i> , 2009, 105, 585-594.	2.0	340
244	SNPinfo: integrating GWAS and candidate gene information into functional SNP selection for genetic association studies. <i>Nucleic Acids Research</i> , 2009, 37, W600-W605.	6.5	655
245	miRNA regulation of cytokine genes. <i>Cytokine</i> , 2009, 45, 58-69.	1.4	138
246	MicroRNA regulation of neuron-like differentiation of adipose tissue-derived stem cells. <i>Differentiation</i> , 2009, 78, 253-259.	1.0	21
247	MicroRNAs: Target Recognition and Regulatory Functions. <i>Cell</i> , 2009, 136, 215-233.	13.5	17,802
248	Pathway analysis of senescence-associated miRNA targets reveals common processes to different senescence induction mechanisms. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 341-352.	1.8	105
249	The impact of noncoding RNA on the biochemical and molecular mechanisms of aging. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 970-979.	1.1	39
250	Recombination rates of human microRNA. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 702-705.	1.0	2
251	In vivo profile of the human leukocyte microRNA response to endotoxemia. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 437-441.	1.0	105
252	Identification of microRNAs and their targets from <i>Populus euphratica</i> . <i>Biochemical and Biophysical Research Communications</i> , 2009, 388, 272-277.	1.0	62

#	ARTICLE	IF	CITATIONS
253	Hematologic characterization and chromosomal localization of the novel dominantly inherited mouse hemolytic anemia, neonatal anemia (Nan). <i>Blood Cells, Molecules, and Diseases</i> , 2009, 43, 141-148.	0.6	18
254	Computational prediction of amphioxus microRNA genes and their targets. <i>Gene</i> , 2009, 428, 41-46.	1.0	26
255	High throughput sequencing technology reveals that the taxoid elicitor methyl jasmonate regulates microRNA expression in Chinese yew (<i>Taxus chinensis</i>). <i>Gene</i> , 2009, 436, 37-44.	1.0	112
256	Large-scale genome analysis reveals unique features of microRNAs. <i>Gene</i> , 2009, 443, 100-109.	1.0	101
257	Marsupial-specific microRNAs evolved from marsupial-specific transposable elements. <i>Gene</i> , 2009, 448, 187-191.	1.0	37
258	Identification of conserved <i>Aquilegia coerulea</i> microRNAs and their targets. <i>Gene</i> , 2009, 448, 46-56.	1.0	21
259	Role of Dicer in female fertility. <i>Trends in Endocrinology and Metabolism</i> , 2009, 20, 265-272.	3.1	68
260	Rethinking the central dogma: Noncoding RNAs are biologically relevant. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2009, 27, 304-306.	0.8	14
261	In silico detection and characteristics of novel microRNA genes in the <i>Equus caballus</i> genome using an integrated ab initio and comparative genomic approach. <i>Genomics</i> , 2009, 94, 125-131.	1.3	52
262	Conserved miRNA analysis in <i>Gossypium hirsutum</i> through small RNA sequencing. <i>Genomics</i> , 2009, 94, 263-268.	1.3	79
263	Virus-specific host miRNAs: antiviral defenses or promoters of persistent infection?. <i>Trends in Immunology</i> , 2009, 30, 1-7.	2.9	58
264	Enabling a systems biology approach to immunology: focus on innate immunity. <i>Trends in Immunology</i> , 2009, 30, 249-262.	2.9	122
265	UV-B-responsive microRNAs in <i>Populus tremula</i> . <i>Journal of Plant Physiology</i> , 2009, 166, 2046-2057.	1.6	127
266	Epstein-Barr Virus-Induced Expression of a Novel Human Vault RNA. <i>Journal of Molecular Biology</i> , 2009, 388, 776-784.	2.0	74
267	Revealing Global Regulatory Perturbations across Human Cancers. <i>Molecular Cell</i> , 2009, 36, 900-911.	4.5	193
268	MicroRNAs and the skin: Tiny players in the body's largest organ. <i>Journal of Dermatological Science</i> , 2009, 53, 169-175.	1.0	142
269	Classic approach revitalizes genomics: Complete characterization of a candidate gene for thermal adaptation in two coral reef fishes. <i>Marine Genomics</i> , 2009, 2, 215-222.	0.4	3
270	15-P003 An EST screen from the annelid <i>Pomatoceros lamarckii</i> reveals patterns of gene loss and gain in animals. <i>Mechanisms of Development</i> , 2009, 126, S247-S248.	1.7	1

#	ARTICLE	IF	CITATIONS
271	Current molecular diagnostics of breast cancer and the potential incorporation of microRNA. <i>Expert Review of Molecular Diagnostics</i> , 2009, 9, 455-466.	1.5	52
272	MicroRNAs in clinical oncology: at the crossroads between promises and problems. <i>Journal of Clinical Pathology</i> , 2009, 62, 771-776.	1.0	69
273	Altered microRNA expression in patients with non-obstructive azoospermia. <i>Reproductive Biology and Endocrinology</i> , 2009, 7, 13.	1.4	207
274	MicroRNA 132 Regulates Nutritional Stress-Induced Chemokine Production through Repression of SirT1. <i>Molecular Endocrinology</i> , 2009, 23, 1876-1884.	3.7	223
275	Shhh! Silencing by microRNA-155. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 631-637.	1.8	59
276	MicroRNA signatures predict oestrogen receptor, progesterone receptor and HER2/neureceptor status in breast cancer. <i>Breast Cancer Research</i> , 2009, 11, R27.	2.2	375
277	Plant polycistronic precursors containing non-homologous microRNAs target transcripts encoding functionally related proteins. <i>Genome Biology</i> , 2009, 10, R136.	13.9	80
278	Genome-wide analysis reveals rapid and dynamic changes in miRNA and siRNA sequence and expression during ovule and fiber development in allotetraploid cotton (<i>Gossypium hirsutum</i> L.). <i>Genome Biology</i> , 2009, 10, R122.	13.9	128
279	COMIT: identification of noncoding motifs under selection in coding sequences. <i>Genome Biology</i> , 2009, 10, R133.	13.9	7
280	Insights into the regulation of intrinsically disordered proteins in the human proteome by analyzing sequence and gene expression data. <i>Genome Biology</i> , 2009, 10, R50.	13.9	65
281	FANTOM4 EdgeExpressDB: an integrated database of promoters, genes, microRNAs, expression dynamics and regulatory interactions. <i>Genome Biology</i> , 2009, 10, R39.	13.9	67
282	Characterization and comparative profiling of the small RNA transcriptomes in two phases of locust. <i>Genome Biology</i> , 2009, 10, R6.	13.9	174
283	Discovery of microvascular miRNAs using public gene expression data: miR-145 is expressed in pericytes and is a regulator of Fli1. <i>Genome Medicine</i> , 2009, 1, 108.	3.6	82
284	MicroRNAs sound off. <i>Genome Medicine</i> , 2009, 1, 59.	3.6	8
285	Hearing Loss: Mechanisms Revealed by Genetics and Cell Biology. <i>Annual Review of Genetics</i> , 2009, 43, 411-437.	3.2	178
286	Identification of glucose-regulated miRNAs from pancreatic β^2 cells reveals a role for miR-30d in insulin transcription. <i>Rna</i> , 2009, 15, 287-293.	1.6	262
287	The evolution of RNAi as a defence against viruses and transposable elements. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 99-115.	1.8	423
288	Systematic and single cell analysis of <i>Xenopus</i> Piwi-interacting RNAs and Xiwi. <i>EMBO Journal</i> , 2009, 28, 2945-2958.	3.5	81

#	ARTICLE	IF	CITATIONS
289	Dissecting the dynamics of dysregulation of cellular processes in mouse mammary gland tumor. BMC Genomics, 2009, 10, 601.	1.2	28
290	Lost in translation: an assessment and perspective for computational microRNA target identification. Bioinformatics, 2009, 25, 3049-3055.	1.8	299
291	MicroRNAs and their antagonists as novel therapeutics. European Journal of Cancer, 2009, 45, 388-390.	1.3	6
292	Modulation of LMP2A Expression by a Newly Identified Epstein-Barr Virus-Encoded MicroRNA miR-BART22. Neoplasia, 2009, 11, 1174-IN17.	2.3	176
293	MicroRNA polymorphisms: the future of pharmacogenomics, molecular epidemiology and individualized medicine. Pharmacogenomics, 2009, 10, 399-416.	0.6	244
294	Computational Biology of Small Regulatory RNAs. , 2009, , 115-145.		0
295	microRNAs and genetic diseases. PathoGenetics, 2009, 2, 7.	5.7	140
297	microRNA 184 regulates expression of NFAT1 in umbilical cord blood CD4+ T cells. Blood, 2009, 113, 6648-6657.	0.6	71
298	A signature microRNA expression profile for the cellular response to thermal stress. , 2009, , .		0
299	The clinicopathological relevance of microRNA in normal and malignant haematopoiesis. Pathology, 2009, 41, 204-213.	0.3	15
300	The tiny world of microRNAs in the cross hairs of the mammalian eye. Human Genomics, 2009, 3, 332.	1.4	11
301	Epigenetic Control of MicroRNA Expression and Aging. Current Genomics, 2009, 10, 184-193.	0.7	92
302	MicroRNAs in C. elegans Aging: Molecular Insurance for Robustness?. Current Genomics, 2009, 10, 144-153.	0.7	42
303	MicroRNA: Implications for Alzheimer Disease and other Human CNS Disorders. Current Genomics, 2009, 10, 154-168.	0.7	194
304	Frequency distribution of T > C polymorphisms in the seed region of the chicken mir-1644 gene. , 2010, , .		1
305	Origins and Evolution of MicroRNA Genes in Drosophila Species. Genome Biology and Evolution, 2010, 2, 180-189.	1.1	101
306	MicroRNA: Biogenesis, Function and Role in Cancer. Current Genomics, 2010, 11, 537-561.	0.7	1,372
307	Non-coding small (micro) RNAs of Pseudomonas aeruginosa isolated from clinical isolates from adult patients with cystic fibrosis. British Journal of Biomedical Science, 2010, 67, 127-132.	1.2	5

#	ARTICLE	IF	CITATIONS
308	Recent insights into the pathogenesis of colorectal cancer. <i>Current Opinion in Gastroenterology</i> , 2010, 26, 47-52.	1.0	61
310	microRNA miR-144 modulates oxidative stress tolerance and associates with anemia severity in sickle cell disease. <i>Blood</i> , 2010, 116, 4338-4348.	0.6	313
311	High-definition mapping of retroviral integration sites identifies active regulatory elements in human multipotent hematopoietic progenitors. <i>Blood</i> , 2010, 116, 5507-5517.	0.6	150
312	Complete characterization of the microRNAome in a patient with acute myeloid leukemia. <i>Blood</i> , 2010, 116, 5316-5326.	0.6	63
313	Deep sequencing of the small RNA transcriptome of normal and malignant human B cells identifies hundreds of novel microRNAs. <i>Blood</i> , 2010, 116, e118-e127.	0.6	188
314	Regulation and biological function of the liver-specific miR-122. <i>Biochemical Society Transactions</i> , 2010, 38, 1553-1557.	1.6	126
315	Detecting microarray data supported microRNA-mRNA interactions. <i>International Journal of Data Mining and Bioinformatics</i> , 2010, 4, 639.	0.1	6
316	MicroRNAs and Their Therapeutic Potential for Human Diseases: MiR-133a and Bronchial Smooth Muscle Hyperresponsiveness in Asthma. <i>Journal of Pharmacological Sciences</i> , 2010, 114, 264-268.	1.1	75
317	Identifying human miRNA targets with a genetic algorithm. , 2010, , .		1
318	microRNA: A Master Regulator of Cellular Processes for Bioengineering Systems. <i>Annual Review of Biomedical Engineering</i> , 2010, 12, 1-27.	5.7	217
319	Quantitative RT-PCR Methods for Mature microRNA Expression Analysis. <i>Methods in Molecular Biology</i> , 2010, 630, 49-64.	0.4	68
320	Regulation of Cell Death and Survival by RNA Interference – The Roles of miRNA and siRNA. , 2010, , 95-117.		3
321	Emerging Molecular Targets for the Treatment of Nonalcoholic Fatty Liver Disease. <i>Annual Review of Medicine</i> , 2010, 61, 375-392.	5.0	77
322	Reprogramming of miRNA networks in cancer and leukemia. <i>Genome Research</i> , 2010, 20, 589-599.	2.4	331
323	Immunoinformatics and Systems Biology Methods for Personalized Medicine. <i>Methods in Molecular Biology</i> , 2010, 662, 203-220.	0.4	31
324	Expression of miRNAs in Lymphocytes: A Review. <i>Methods in Molecular Biology</i> , 2010, 667, 129-143.	0.4	6
325	Large-Scale Integration of MicroRNA and Gene Expression Data for Identification of Enriched MicroRNA-mRNA Associations in Biological Systems. <i>Methods in Molecular Biology</i> , 2010, 667, 297-315.	0.4	31
326	Important aspects of Toll-like receptors, ligands and their signaling pathways. <i>Inflammation Research</i> , 2010, 59, 791-808.	1.6	189

#	ARTICLE	IF	CITATIONS
327	Computational classification of microRNAs in next-generation sequencing data. <i>Theoretical Chemistry Accounts</i> , 2010, 125, 637-642.	0.5	2
328	Sizing up the future of microRNA analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2535-2549.	1.9	71
329	MicroRNAs in Cardiac Development and Remodeling. <i>Pediatric Cardiology</i> , 2010, 31, 357-362.	0.6	14
330	Conservation of miR-15a/16-1 and miR-15b/16-2 clusters. <i>Mammalian Genome</i> , 2010, 21, 88-94.	1.0	69
331	Identification and characterization of microRNAs and their targets in the bioenergy plant switchgrass (<i>Panicum virgatum</i>). <i>Planta</i> , 2010, 232, 417-434.	1.6	148
332	Identification and characterization of microRNAs and their target genes in tobacco (<i>Nicotiana</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 110	1.6	110
333	Differential expression of miRNA patterns in renal cell carcinoma and nontumorous tissues. <i>Journal of Cancer Research and Clinical Oncology</i> , 2010, 136, 855-862.	1.2	101
334	A polymorphism of microRNA196a genome region was associated with decreased risk of glioma in Chinese population. <i>Journal of Cancer Research and Clinical Oncology</i> , 2010, 136, 1853-1859.	1.2	77
335	Global expression profiling of rice microRNAs by one-tube stem-loop reverse transcription quantitative PCR revealed important roles of microRNAs in abiotic stress responses. <i>Molecular Genetics and Genomics</i> , 2010, 284, 477-488.	1.0	89
336	Comparative transcriptomics for mangrove species: an expanding resource. <i>Functional and Integrative Genomics</i> , 2010, 10, 523-532.	1.4	16
337	Novel microRNAs in silkworm (<i>Bombyx mori</i>). <i>Functional and Integrative Genomics</i> , 2010, 10, 405-415.	1.4	37
338	Regulating the genome surveillance system: miRNAs and the p53 super family. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010, 15, 541-552.	2.2	22
339	Regulation of Mammalian microRNA Expression. <i>Journal of Cardiovascular Translational Research</i> , 2010, 3, 197-203.	1.1	17
340	MicroRNAs in Cardiovascular Diseases: Biology and Potential Clinical Applications. <i>Journal of Cardiovascular Translational Research</i> , 2010, 3, 256-270.	1.1	36
341	Disease Genes and Gene Regulation by microRNAs. <i>Journal of Cardiovascular Translational Research</i> , 2010, 3, 169-172.	1.1	5
342	Changes of miRNA and mRNA expression in HepG2 cells treated by epigallocatechin gallate. <i>Molecular and Cellular Toxicology</i> , 2010, 6, 169-177.	0.8	13
343	Computational RNomics: Structure identification and functional prediction of non-coding RNAs in silico. <i>Science China Life Sciences</i> , 2010, 53, 548-562.	2.3	7
344	A web-based platform for rice microarray annotation and data analysis. <i>Science China Life Sciences</i> , 2010, 53, 1467-1473.	2.3	0

#	ARTICLE	IF	CITATIONS
345	Identification of common microRNA-mRNA regulatory biomodules in human epithelial cancer. <i>Science Bulletin</i> , 2010, 55, 3576-3589.	1.7	8
346	Degradome sequencing reveals endogenous small RNA targets in rice (<i>Oryza sativa</i> L. ssp. indica). <i>Frontiers in Biology</i> , 2010, 5, 67-90.	0.7	152
347	MicroRNAs and their targets from Arabidopsis to rice: half conserved and half diverged. <i>Frontiers in Biology</i> , 2010, 5, 3-4.	0.7	0
348	MicroRNAs in the neural system. <i>Frontiers in Biology</i> , 2010, 5, 219-226.	0.7	0
349	Flanking region sequence information to refine microRNA target predictions. <i>Journal of Biosciences</i> , 2010, 35, 105-118.	0.5	30
350	Identification of microRNAs associated with hyperthermia-induced cellular stress response. <i>Cell Stress and Chaperones</i> , 2010, 15, 1027-1038.	1.2	54
351	Normalization strategies for microRNA profiling experiments: a "normal" way to a hidden layer of complexity?. <i>Biotechnology Letters</i> , 2010, 32, 1777-1788.	1.1	190
352	Rice genomics moves ahead. <i>Molecular Breeding</i> , 2010, 26, 257-273.	1.0	7
353	Computational identification and characteristics of novel microRNAs from the silkworm (<i>Bombyx mori</i>). <i>Journal of Biotechnology</i> , 2010, 10, 47.	1.0	47
354	Cloning and characterization of microRNAs from porcine skeletal muscle and adipose tissue. <i>Molecular Biology Reports</i> , 2010, 37, 3567-3574.	1.0	34
355	Computational identification and microarray-based validation of microRNAs in <i>Oryctolagus cuniculus</i> . <i>Molecular Biology Reports</i> , 2010, 37, 3575-3581.	1.0	9
356	Cloning and bioinformatic identification of small RNAs in the filarial nematode, <i>Brugia malayi</i> . <i>Molecular and Biochemical Parasitology</i> , 2010, 169, 87-94.	0.5	44
357	Differentially expressed microRNAs regulate plasmacytoid vs. conventional dendritic cell development. <i>Molecular Immunology</i> , 2010, 48, 333-340.	1.0	43
358	Age-associated changes in miRNA expression profiles in thymopoiesis. <i>Mechanisms of Ageing and Development</i> , 2010, 131, 743-748.	2.2	21
359	MicroRNA Regulation of Angiogenesis and Arteriogenesis. <i>Trends in Cardiovascular Medicine</i> , 2010, 20, 253-262.	2.3	18
360	MapMi: automated mapping of microRNA loci. <i>BMC Bioinformatics</i> , 2010, 11, 133.	1.2	58
361	miRSel: Automated extraction of associations between microRNAs and genes from the biomedical literature. <i>BMC Bioinformatics</i> , 2010, 11, 135.	1.2	74
362	PuTmiR: A database for extracting neighboring transcription factors of human microRNAs. <i>BMC Bioinformatics</i> , 2010, 11, 190.	1.2	53

#	ARTICLE	IF	CITATIONS
363	miRMaid: a unified programming interface for microRNA data resources. BMC Bioinformatics, 2010, 11, 29.	1.2	15
364	Geoseq: a tool for dissecting deep-sequencing datasets. BMC Bioinformatics, 2010, 11, 506.	1.2	4
365	Gene processing control loops suggested by sequencing, splicing, and RNA folding. BMC Bioinformatics, 2010, 11, 602.	1.2	4
366	Prediction of novel miRNAs and associated target genes in Glycine max. BMC Bioinformatics, 2010, 11, S14.	1.2	108
367	Predicting microRNA precursors with a generalized Gaussian components based density estimation algorithm. BMC Bioinformatics, 2010, 11, S52.	1.2	15
368	Annotation of gene promoters by integrative data-mining of ChIP-seq Pol-II enrichment data. BMC Bioinformatics, 2010, 11, S65.	1.2	28
369	MiRenSVM: towards better prediction of microRNA precursors using an ensemble SVM classifier with multi-loop features. BMC Bioinformatics, 2010, 11, S11.	1.2	78
370	Computational prediction and experimental validation of evolutionarily conserved microRNA target genes in bilaterian animals. BMC Genomics, 2010, 11, 101.	1.2	32
372	MicroRNAs of Bombyx mori identified by Solexa sequencing. BMC Genomics, 2010, 11, 148.	1.2	107
373	Unified translation repression mechanism for microRNAs and upstream AUGs. BMC Genomics, 2010, 11, 155.	1.2	21
374	Small RNA expression and strain specificity in the rat. BMC Genomics, 2010, 11, 249.	1.2	71
375	Genomics Portals: integrative web-platform for mining genomics data. BMC Genomics, 2010, 11, 27.	1.2	13
376	Deciphering the porcine intestinal microRNA transcriptome. BMC Genomics, 2010, 11, 275.	1.2	71
377	Bioinformatic prediction, deep sequencing of microRNAs and expression analysis during phenotypic plasticity in the pea aphid, Acyrthosiphon pisum. BMC Genomics, 2010, 11, 281.	1.2	95
378	Analysis of microRNA transcriptome by deep sequencing of small RNA libraries of peripheral blood. BMC Genomics, 2010, 11, 288.	1.2	136
379	Transcriptomic analysis of dystrophin RNAi knockdown reveals a central role for dystrophin in muscle differentiation and contractile apparatus organization. BMC Genomics, 2010, 11, 345.	1.2	26
380	Comprehensive survey of human brain microRNA by deep sequencing. BMC Genomics, 2010, 11, 409.	1.2	142
381	Deep sequencing discovery of novel and conserved microRNAs in trifoliolate orange (Citrus trifoliata). BMC Genomics, 2010, 11, 431.	1.2	195

#	ARTICLE	IF	CITATIONS
382	Identification and characterization of microRNAs in <i>Clonorchis sinensis</i> of human health significance. <i>BMC Genomics</i> , 2010, 11, 521.	1.2	71
383	A potential role for intragenic miRNAs on their hosts' interactome. <i>BMC Genomics</i> , 2010, 11, 533.	1.2	142
384	Identification and characterization of microRNAs and endogenous siRNAs in <i>Schistosoma japonicum</i> . <i>BMC Genomics</i> , 2010, 11, 55.	1.2	77
385	A computational-based update on microRNAs and their targets in barley (<i>Hordeum vulgare</i> L.). <i>BMC Genomics</i> , 2010, 11, 595.	1.2	57
386	Genomic analysis of microRNA time-course expression in liver of mice treated with genotoxic carcinogen N-ethyl-N-nitrosourea. <i>BMC Genomics</i> , 2010, 11, 609.	1.2	36
387	New methods for next generation sequencing based microRNA expression profiling. <i>BMC Genomics</i> , 2010, 11, 716.	1.2	85
388	Identification of novel non-coding RNAs using profiles of short sequence reads from next generation sequencing data. <i>BMC Genomics</i> , 2010, 11, 77.	1.2	46
389	Investigation gene and microRNA expression in glioblastoma. <i>BMC Genomics</i> , 2010, 11, S16.	1.2	36
390	dbDEMC: a database of differentially expressed miRNAs in human cancers. <i>BMC Genomics</i> , 2010, 11, S5.	1.2	228
391	Discovery and characterization of medaka miRNA genes by next generation sequencing platform. <i>BMC Genomics</i> , 2010, 11, S8.	1.2	68
392	Plant microRNAs and their role in defense against viruses: a bioinformatics approach. <i>BMC Plant Biology</i> , 2010, 10, 138.	1.6	62
393	Global transcriptome profiling of wild soybean (<i>Glycine soja</i>) roots under NaHCO ₃ treatment. <i>BMC Plant Biology</i> , 2010, 10, 153.	1.6	126
394	Deep sequencing identifies novel and conserved microRNAs in peanuts (<i>Arachis hypogaea</i> L.). <i>BMC Plant Biology</i> , 2010, 10, 3.	1.6	240
395	High-throughput miRNA profiling of human melanoma blood samples. <i>BMC Cancer</i> , 2010, 10, 262.	1.1	144
396	Processing of Agilent microRNA array data. <i>BMC Research Notes</i> , 2010, 3, 18.	0.6	77
397	MicroRNA expression profiling of the human uterine cervix after term labor and delivery. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 202, 80.e1-80.e8.	0.7	47
398	RNA Secondary Structural Determinants of miRNA Precursor Processing in <i>Arabidopsis</i> . <i>Current Biology</i> , 2010, 20, 37-41.	1.8	181
399	Regulatory RNAs in brain function and disorders. <i>Brain Research</i> , 2010, 1338, 36-47.	1.1	15

#	ARTICLE	IF	CITATIONS
400	Computational methodologies for studying non-coding RNAs relevant to central nervous system function and dysfunction. <i>Brain Research</i> , 2010, 1338, 131-145.	1.1	8
401	Examination of the expanding pathways for the regulation of p21 expression and activity. <i>Cellular Signalling</i> , 2010, 22, 1003-1012.	1.7	355
402	MicroRNA-24 targeting RNA-binding protein DND1 in tongue squamous cell carcinoma. <i>FEBS Letters</i> , 2010, 584, 4115-4120.	1.3	76
403	Combination of in silico and in situ hybridisation approaches to identify potential Dll1 associated miRNAs during mouse embryogenesis. <i>Gene Expression Patterns</i> , 2010, 10, 265-273.	0.3	16
404	Tubulin polymerization-promoting protein (TPPP/p25) is critical for oligodendrocyte differentiation. <i>Glia</i> , 2010, 58, 157-168.	2.5	116
405	Potential role of microRNAs in head and neck tumorigenesis. <i>Head and Neck</i> , 2010, 32, 1099-1111.	0.9	52
406	Liver-enriched transcription factors regulate MicroRNA-122 that targets CUTL1 during liver development. <i>Hepatology</i> , 2010, 52, 1431-1442.	3.6	246
407	miRNA genes and the brain: implications for psychiatric disorders. <i>Human Mutation</i> , 2010, 31, 1195-1204.	1.1	64
408	MicroSNiPer: a web tool for prediction of SNP effects on putative microRNA targets. <i>Human Mutation</i> , 2010, 31, 1223-1232.	1.1	129
409	Identification of microRNAs associated with ileal and colonic Crohn's disease. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 1729-1738.	0.9	253
410	EP300 is a miRNA-regulated metastasis suppressor gene in ductal adenocarcinomas of the pancreas. <i>International Journal of Cancer</i> , 2010, 126, 114-124.	2.3	133
411	Alterations of microRNAs and their targets are associated with acquired resistance of MCF7 breast cancer cells to cisplatin. <i>International Journal of Cancer</i> , 2010, 127, 1785-1794.	2.3	301
412	Downregulated microRNAs in the differential diagnosis of malignant pleural mesothelioma. <i>International Journal of Cancer</i> , 2010, 127, 2859-2869.	2.3	93
413	A new perspective on neural tube defects: Folic acid and microRNA misexpression. <i>Genesis</i> , 2010, 48, 282-294.	0.8	36
415	Oncogenic microRNAs (OncomiRs) as a new class of cancer biomarkers. <i>BioEssays</i> , 2010, 32, 894-904.	1.2	83
416	MicroRNAs as gatekeepers of apoptosis. <i>Journal of Cellular Physiology</i> , 2010, 223, 289-298.	2.0	135
417	Disabled-2 is required for mesoderm differentiation of murine embryonic stem cells. <i>Journal of Cellular Physiology</i> , 2010, 225, 92-105.	2.0	18
418	MicroRNA as a new player in the cell cycle. <i>Journal of Cellular Physiology</i> , 2010, 225, 296-301.	2.0	42

#	ARTICLE	IF	CITATIONS
419	A DNA transposon-based approach to functional screening in neural stem cells. <i>Journal of Biotechnology</i> , 2010, 150, 11-21.	1.9	8
420	New syntax to describe local continuous structure-sequence information for recognizing new pre-miRNAs. <i>Journal of Theoretical Biology</i> , 2010, 264, 578-584.	0.8	5
421	MicroRNAs "targeting and target prediction. <i>New Biotechnology</i> , 2010, 27, 243-249.	2.4	102
422	Exploring microRNA functions in zebrafish. <i>New Biotechnology</i> , 2010, 27, 250-255.	2.4	10
423	Differential expression profiling of microRNAs and their potential involvement in renal cell carcinoma pathogenesis. <i>Clinical Biochemistry</i> , 2010, 43, 150-158.	0.8	184
424	Computational identification and characterization of primate-specific microRNAs in human genome. <i>Computational Biology and Chemistry</i> , 2010, 34, 232-241.	1.1	57
425	In silico identification of conserved microRNAs and their target transcripts from expressed sequence tags of three earthworm species. <i>Computational Biology and Chemistry</i> , 2010, 34, 313-319.	1.1	13
426	Ranking of microRNA target prediction scores by Pareto front analysis. <i>Computational Biology and Chemistry</i> , 2010, 34, 284-292.	1.1	6
427	Characteristic comparison between two types of miRNA precursors in metazoan species. <i>BioSystems</i> , 2010, 100, 144-149.	0.9	5
428	Prediction of microRNAs affecting mRNA expression during retinal development. <i>BMC Developmental Biology</i> , 2010, 10, 1.	2.1	86
429	A Novel microRNA and transcription factor mediated regulatory network in schizophrenia. <i>BMC Systems Biology</i> , 2010, 4, 10.	3.0	145
430	Prioritization of disease microRNAs through a human phenome-microRNAome network. <i>BMC Systems Biology</i> , 2010, 4, S2.	3.0	335
431	Specificity and functionality of microRNA inhibitors. <i>Silence: A Journal of RNA Regulation</i> , 2010, 1, 10.	8.0	69
432	Naturally occurring variations in sequence length creates microRNA isoforms that differ in argonaute effector complex specificity. <i>Silence: A Journal of RNA Regulation</i> , 2010, 1, 12.	8.0	55
433	Structure of the dimerization domain of DiGeorge Critical Region 8. <i>Protein Science</i> , 2010, 19, 1354-1365.	3.1	49
434	MicroRNA targeting in mammalian genomes: genes and mechanisms. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2010, 2, 148-161.	6.6	33
435	Localization- and mutation-dependent microRNA (miRNA) expression signatures in gastrointestinal stromal tumours (GISTs), with a cluster of co-expressed miRNAs located at 14q32.31. <i>Journal of Pathology</i> , 2010, 220, 71-86.	2.1	103
436	Non-coding RNAs: regulators of disease. <i>Journal of Pathology</i> , 2010, 220, 126-139.	2.1	906

#	ARTICLE	IF	CITATIONS
437	The genetics of cardiovascular disease: new insights from emerging approaches. <i>Journal of Pathology</i> , 2010, 220, 186-197.	2.1	16
438	Molecular signaling in zebrafish development and the vertebrate phylotypic period. <i>Evolution & Development</i> , 2010, 12, 144-156.	1.1	33
439	MicroRNAs: Master Regulators of Ethanol Abuse and Toxicity?. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 575-587.	1.4	161
440	MicroRNAs, the epigenetic memory and climatic adaptation in Norway spruce. <i>New Phytologist</i> , 2010, 187, 1154-1169.	3.5	147
441	MicroRNA regulation in Ames dwarf mouse liver may contribute to delayed aging. <i>Aging Cell</i> , 2010, 9, 1-18.	3.0	95
442	miR-17, miR-19b, miR-20a, and miR-106a are downregulated in human aging. <i>Aging Cell</i> , 2010, 9, 291-296.	3.0	338
443	An estrogen receptor β suppressor, microRNA-22, is downregulated in estrogen receptor β -positive human breast cancer cell lines and clinical samples. <i>FEBS Journal</i> , 2010, 277, 1684-1694.	2.2	148
444	Nuclear factor TDP43 can affect selected microRNA levels. <i>FEBS Journal</i> , 2010, 277, 2268-2281.	2.2	204
445	MicroRNA identity and abundance in porcine skeletal muscles determined by deep sequencing. <i>Animal Genetics</i> , 2010, 41, 159-168.	0.6	144
446	Current knowledge of microRNA characterization in agricultural animals. <i>Animal Genetics</i> , 2010, 41, 225-231.	0.6	26
447	Post-transcriptional gene regulation of salinity and drought responses by plant microRNAs. <i>Plant, Cell and Environment</i> , 2010, 33, 481-489.	2.8	177
448	Identification of grapevine microRNAs and their targets using high-throughput sequencing and degradome analysis. <i>Plant Journal</i> , 2010, 62, no-no.	2.8	53
449	MicroRNA assassins: factors that regulate the disappearance of miRNAs. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 5-10.	3.6	233
450	Nuclear-localized tiny RNAs are associated with transcription initiation and splice sites in metazoans. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1030-1034.	3.6	146
451	Whole blood-derived miRNA profiles as potential new tools for ovarian cancer screening. <i>British Journal of Cancer</i> , 2010, 103, 693-700.	2.9	171
452	MicroRNAs as Effectors of Brain Function with Roles in Ischemia and Injury, Neuroprotection, and Neurodegeneration. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1564-1576.	2.4	212
453	S-MED: Sarcoma microRNA Expression Database. <i>Laboratory Investigation</i> , 2010, 90, 753-761.	1.7	95
454	Ancient animal microRNAs and the evolution of tissue identity. <i>Nature</i> , 2010, 463, 1084-1088.	13.7	271

#	ARTICLE	IF	CITATIONS
455	The Ectocarpus genome and the independent evolution of multicellularity in brown algae. <i>Nature</i> , 2010, 465, 617-621.	13.7	774
456	Subtype-specific genomic alterations define new targets for soft-tissue sarcoma therapy. <i>Nature Genetics</i> , 2010, 42, 715-721.	9.4	642
457	A quantitative targeted proteomics approach to validate predicted microRNA targets in <i>C. elegans</i> . <i>Nature Methods</i> , 2010, 7, 837-842.	9.0	80
458	Using Trawler_standalone to discover overrepresented motifs in DNA and RNA sequences derived from various experiments including chromatin immunoprecipitation. <i>Nature Protocols</i> , 2010, 5, 323-334.	5.5	15
459	Annotating non-coding regions of the genome. <i>Nature Reviews Genetics</i> , 2010, 11, 559-571.	7.7	398
460	Statistical analysis strategies for association studies involving rare variants. <i>Nature Reviews Genetics</i> , 2010, 11, 773-785.	7.7	426
461	MicroRNAs of the immune system. <i>Annals of the New York Academy of Sciences</i> , 2010, 1183, 183-194.	1.8	149
462	A set of miRNAs from <i>Brassica napus</i> in response to sulphate deficiency and cadmium stress. <i>Plant Biotechnology Journal</i> , 2010, 8, 887-899.	4.1	179
463	Role of microRNAs in obesity and the metabolic syndrome. <i>Obesity Reviews</i> , 2010, 11, 354-361.	3.1	185
464	Computational identification of citrus microRNAs and target analysis in citrus expressed sequence tags. <i>Plant Biology</i> , 2010, 12, 927-934.	1.8	55
465	MicroRNAs in common diseases and potential therapeutic applications. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010, 37, 102-107.	0.9	50
466	microRNAs in diseases: from candidate to modifier genes. <i>Clinical Genetics</i> , 2010, 77, 306-313.	1.0	87
467	Global analysis of microRNA in <i>Arabidopsis</i> in response to phosphate starvation as studied by locked nucleic acid-based microarrays. <i>Physiologia Plantarum</i> , 2010, 140, 57-68.	2.6	61
468	Computational Identification and Characterization of Putative miRNAs in <i>Nasonia</i> Species. <i>International Journal of Insect Science</i> , 2010, 2, IJS.S4197.	1.7	0
469	Molecular Genetic Markers in Female Reproductive Cancers. <i>Journal of Oncology</i> , 2010, 2010, 1-2.	0.6	1
470	MicroRNAs as Novel Biomarkers for Breast Cancer. <i>Journal of Oncology</i> , 2010, 2010, 1-7.	0.6	121
471	A Negative Regulatory Loop between MicroRNA and Hox Gene Controls Posterior Identities in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2010, 6, e1001089.	1.5	44
472	Module Network Inference from a Cancer Gene Expression Data Set Identifies MicroRNA Regulated Modules. <i>PLoS ONE</i> , 2010, 5, e10162.	1.1	46

#	ARTICLE	IF	CITATIONS
473	Identification of miRNA from <i>Porphyra yezoensis</i> by High-Throughput Sequencing and Bioinformatics Analysis. PLoS ONE, 2010, 5, e10698.	1.1	80
474	Analysis of Antisense Expression by Whole Genome Tiling Microarrays and siRNAs Suggests Mis-Annotation of Arabidopsis Orphan Protein-Coding Genes. PLoS ONE, 2010, 5, e10710.	1.1	4
475	Large-Scale Expression Analysis Reveals Distinct MicroRNA Profiles at Different Stages of Human Neurodevelopment. PLoS ONE, 2010, 5, e11109.	1.1	74
476	Variability in the Incidence of miRNAs and Genes in Fragile Sites and the Role of Repeats and CpG Islands in the Distribution of Genetic Material. PLoS ONE, 2010, 5, e11166.	1.1	51
477	Selected MicroRNAs Define Cell Fate Determination of Murine Central Memory CD8 T Cells. PLoS ONE, 2010, 5, e11243.	1.1	52
478	MicroRNAome of Porcine Pre- and Postnatal Development. PLoS ONE, 2010, 5, e11541.	1.1	139
479	MicroRNA-218 Is Deleted and Downregulated in Lung Squamous Cell Carcinoma. PLoS ONE, 2010, 5, e12560.	1.1	100
480	Characterization of Epstein-Barr Virus miRNAome in Nasopharyngeal Carcinoma by Deep Sequencing. PLoS ONE, 2010, 5, e12745.	1.1	147
481	Global MicroRNA Characterization Reveals That miR-103 Is Involved in IGF-1 Stimulated Mouse Intestinal Cell Proliferation. PLoS ONE, 2010, 5, e12976.	1.1	40
482	MicroRNA Discovery and Analysis of Pinewood Nematode <i>Bursaphelenchus xylophilus</i> by Deep Sequencing. PLoS ONE, 2010, 5, e13271.	1.1	36
483	Analyses of Copy Number Variation of GK Rat Reveal New Putative Type 2 Diabetes Susceptibility Loci. PLoS ONE, 2010, 5, e14077.	1.1	10
484	Distinctive patterns of microRNA expression in extraocular muscles. <i>Physiological Genomics</i> , 2010, 41, 289-296.	1.0	18
485	Computational methods for the identification of microRNA targets. <i>Open Access Bioinformatics</i> , 2010, 2, 29.	0.9	26
486	Plasma miR-216a as a potential marker of pancreatic injury in a rat model of acute pancreatitis. <i>World Journal of Gastroenterology</i> , 2010, 16, 4599.	1.4	59
487	NOVOMIR: De Novo Prediction of MicroRNA-Coding Regions in a Single Plant-Genome. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-10.	0.8	36
488	Concordance among digital gene expression, microarrays, and qPCR when measuring differential expression of microRNAs. <i>BioTechniques</i> , 2010, 48, 219-222.	0.8	90
489	MicroRNA Profile of the Developing Mouse Retina. , 2010, 51, 1823.		98
490	Computational Identification of Putative miRNAs from <i>Felis Catus</i> . <i>Biomedical Engineering and Computational Biology</i> , 2010, 2, BECB.S5233.	0.8	2

#	ARTICLE	IF	CITATIONS
491	Complex Regulation of Two Target Genes Encoding SPX-MFS Proteins by Rice miR827 in Response to Phosphate Starvation. <i>Plant and Cell Physiology</i> , 2010, 51, 2119-2131.	1.5	188
492	Chromosomal and MicroRNA Expression Patterns Reveal Biologically Distinct Subgroups of 11q ⁺ Neuroblastoma. <i>Clinical Cancer Research</i> , 2010, 16, 2971-2978.	3.2	70
493	Non-coding RNAs: Identification of Cancer-Associated microRNAs by Gene Profiling. <i>Technology in Cancer Research and Treatment</i> , 2010, 9, 123-138.	0.8	67
494	Functional Shifts in Insect microRNA Evolution. <i>Genome Biology and Evolution</i> , 2010, 2, 686-696.	1.1	131
495	EPIGENETIC PROGRAMMING AND FETAL GROWTH RESTRICTIONS. <i>Fetal and Maternal Medicine Review</i> , 2010, 21, 204-224.	0.3	1
496	Functional Analysis of a Cellular MicroRNA in Insect Host-Ascovirus Interaction. <i>Journal of Virology</i> , 2010, 84, 612-620.	1.5	59
497	Fine-mapping and mutation analysis of TRPM1: a candidate gene for leopard complex (LP) spotting and congenital stationary night blindness in horses. <i>Briefings in Functional Genomics</i> , 2010, 9, 193-207.	1.3	49
498	Differential expression of microRNAs in human parathyroid carcinomas compared with normal parathyroid tissue. <i>Endocrine-Related Cancer</i> , 2010, 17, 135-146.	1.6	132
499	Comprehensive Analysis of Rhesus Lymphocryptovirus MicroRNA Expression. <i>Journal of Virology</i> , 2010, 84, 5148-5157.	1.5	42
500	deepBase: a database for deeply annotating and mining deep sequencing data. <i>Nucleic Acids Research</i> , 2010, 38, D123-D130.	6.5	141
501	DGCR8 recognizes primary transcripts of microRNAs through highly cooperative binding and formation of higher-order structures. <i>Rna</i> , 2010, 16, 1570-1583.	1.6	52
502	miR-18, a member of Oncomir-1, targets heat shock transcription factor 2 in spermatogenesis. <i>Development (Cambridge)</i> , 2010, 137, 3177-3184.	1.2	107
503	MicroRNA Expression in Human Airway Smooth Muscle Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 42, 506-513.	1.4	137
504	<i>miR-146a</i> Suppresses Invasion of Pancreatic Cancer Cells. <i>Cancer Research</i> , 2010, 70, 1486-1495.	0.4	413
505	Malignant Germ Cell Tumors Display Common MicroRNA Profiles Resulting in Global Changes in Expression of Messenger RNA Targets. <i>Cancer Research</i> , 2010, 70, 2911-2923.	0.4	243
506	The Conserved miR-51 microRNA Family Is Redundantly Required for Embryonic Development and Pharynx Attachment in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2010, 185, 897-905.	1.2	60
507	Common Variants in the ATP2B1 Gene Are Associated With Susceptibility to Hypertension. <i>Hypertension</i> , 2010, 56, 973-980.	1.3	96
508	A GREM1 Gene Variant Associates with Diabetic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 773-781.	3.0	56

#	ARTICLE	IF	CITATIONS
509	Signatures of MicroRNAs and Selected MicroRNA Target Genes in Human Melanoma. <i>Cancer Research</i> , 2010, 70, 4163-4173.	0.4	204
510	A putative role of micro RNA in regulation of cholesterol 7 α -hydroxylase expression in human hepatocytes. <i>Journal of Lipid Research</i> , 2010, 51, 2223-2233.	2.0	69
511	Downregulation of MicroRNA miR-520h by E1A Contributes to Anticancer Activity. <i>Cancer Research</i> , 2010, 70, 5096-5108.	0.4	58
512	Target-align: a tool for plant microRNA target identification. <i>Bioinformatics</i> , 2010, 26, 3002-3003.	1.8	74
513	TAPIR, a web server for the prediction of plant microRNA targets, including target mimics. <i>Bioinformatics</i> , 2010, 26, 1566-1568.	1.8	361
514	Efficient inhibition of miR-155 function in vivo by peptide nucleic acids. <i>Nucleic Acids Research</i> , 2010, 38, 4466-4475.	6.5	195
515	The evolutionary-developmental analysis of plant microRNAs. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 469-476.	1.8	30
516	Small RNAs Control Sodium Channel Expression, Nociceptor Excitability, and Pain Thresholds. <i>Journal of Neuroscience</i> , 2010, 30, 10860-10871.	1.7	152
517	Complexity of the microRNA repertoire revealed by next-generation sequencing. <i>Rna</i> , 2010, 16, 2170-2180.	1.6	246
518	Yin Yang 1 Phosphorylation Contributes to the Differential Effects of μ -Opioid Receptor Agonists on MicroRNA-190 Expression. <i>Journal of Biological Chemistry</i> , 2010, 285, 21994-22002.	1.6	72
519	Impact of probe annotation on the integration of miRNA-mRNA expression profiles for miRNA target detection. <i>Nucleic Acids Research</i> , 2010, 38, e97-e97.	6.5	7
520	Sequence-non-specific effects of RNA interference triggers and microRNA regulators. <i>Nucleic Acids Research</i> , 2010, 38, 1-16.	6.5	485
521	Sequence context outside the target region influences the effectiveness of miR-223 target sites in the RhoB 3'UTR. <i>Nucleic Acids Research</i> , 2010, 38, 239-252.	6.5	67
522	Patrocles: a database of polymorphic miRNA-mediated gene regulation in vertebrates. <i>Nucleic Acids Research</i> , 2010, 38, D640-D651.	6.5	126
523	Functional microRNA generated from a cytoplasmic RNA virus. <i>Nucleic Acids Research</i> , 2010, 38, 8328-8337.	6.5	110
524	Non-codingRNA sequence variations in human chronic lymphocytic leukemia and colorectal cancer. <i>Carcinogenesis</i> , 2010, 31, 208-215.	1.3	68
525	MicroRNA 125b inhibition of B cell differentiation in germinal centers. <i>International Immunology</i> , 2010, 22, 583-592.	1.8	141
526	RNAi-Based Strategies for Cyclooxygenase-2 Inhibition in Cancer. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-11.	3.0	25

#	ARTICLE	IF	CITATIONS
527	Differential regulation of microRNA stability. <i>Rna</i> , 2010, 16, 1032-1039.	1.6	253
528	Genetic variants and abnormal processing of pre-miR-182, a circadian clock modulator, in major depression patients with late insomnia. <i>Human Molecular Genetics</i> , 2010, 19, 4017-4025.	1.4	150
529	MiRonTop: mining microRNAs targets across large scale gene expression studies. <i>Bioinformatics</i> , 2010, 26, 3131-3132.	1.8	54
530	A mutation in the 3' UTR of the HDAC6 gene abolishing the post-transcriptional regulation mediated by hsa-miR-433 is linked to a new form of dominant X-linked chondrodysplasia. <i>Human Molecular Genetics</i> , 2010, 19, 2015-2027.	1.4	80
531	MicroRNA-21 plays a role in hypoxia-mediated pulmonary artery smooth muscle cell proliferation and migration. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 299, L861-L871.	1.3	195
532	Genomic analysis of miRNAs in an extreme mammalian hibernator, the Arctic ground squirrel. <i>Physiological Genomics</i> , 2010, 42A, 39-51.	1.0	40
533	Translational Implications of MicroRNAs in Clinical Diagnostics and Therapeutics. , 2010, , 2965-2981.		5
534	Towards computational prediction of microRNA function and activity. <i>Nucleic Acids Research</i> , 2010, 38, e160-e160.	6.5	84
535	MicroRNA Gene Evolution in <i>Arabidopsis lyrata</i> and <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2010, 22, 1074-1089.	3.1	234
536	Dynamic isomiR regulation in <i>Drosophila</i> development. <i>Rna</i> , 2010, 16, 1881-1888.	1.6	184
537	Characterization of Transcription Start Sites of Putative Non-coding RNAs by Multifaceted Use of Massively Paralleled Sequencer. <i>DNA Research</i> , 2010, 17, 169-183.	1.5	4
538	Discovery of microRNAs and other small RNAs in solid tumors. <i>Nucleic Acids Research</i> , 2010, 38, 6234-6246.	6.5	111
539	Computational Identification Noncoding RNAs in <i>Salvia Miltiorrhiza</i> Bunge, Including 46 Conserved and Non-Conserved miRNAs. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	1
540	Conserved Short Sequences in Promoter Regions of Human Genome. <i>Journal of Biomolecular Structure and Dynamics</i> , 2010, 27, 599-610.	2.0	16
541	Chicken Polymorphism at Pre-MicroRNAs Inferred from SNP Data. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	0
542	A dictionary on microRNAs and their putative target pathways. <i>Nucleic Acids Research</i> , 2010, 38, 4476-4486.	6.5	88
543	Next-generation sequencing identifies the natural killer cell microRNA transcriptome. <i>Genome Research</i> , 2010, 20, 1590-1604.	2.4	144
544	The miR-217 microRNA functions as a potential tumor suppressor in pancreatic ductal adenocarcinoma by targeting KRAS. <i>Carcinogenesis</i> , 2010, 31, 1726-1733.	1.3	216

#	ARTICLE	IF	CITATIONS
545	Validation of a microRNA-based qRT-PCR test for accurate identification of tumor tissue origin. <i>Modern Pathology</i> , 2010, 23, 814-823.	2.9	129
546	Complete HOX cluster characterization of the coelacanth provides further evidence for slow evolution of its genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3622-3627.	3.3	65
547	Targeting miR-21 in glioma: a small RNA with big potential. <i>Expert Opinion on Therapeutic Targets</i> , 2010, 14, 1247-1257.	1.5	47
548	MicroRNA-140 and the silencing of osteoarthritis. <i>Genes and Development</i> , 2010, 24, 1075-1080.	2.7	60
549	RNA-mediated trans-communication can establish paramutation at the b1 locus in maize. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12986-12991.	3.3	83
550	miR-31 Functions as a Negative Regulator of Lymphatic Vascular Lineage-Specific Differentiation In Vitro and Vascular Development In Vivo. <i>Molecular and Cellular Biology</i> , 2010, 30, 3620-3634.	1.1	102
551	Compilation of a comprehensive gene panel for systematic assessment of genes that govern an individual's drug responses. <i>Pharmacogenomics</i> , 2010, 11, 1403-1425.	0.6	14
552	Canonical and alternate functions of the microRNA biogenesis machinery. <i>Genes and Development</i> , 2010, 24, 1951-1960.	2.7	203
553	mirTools: microRNA profiling and discovery based on high-throughput sequencing. <i>Nucleic Acids Research</i> , 2010, 38, W392-W397.	6.5	120
554	MicroRNA Regulation of IFN- γ Protein Expression: Rapid and Sensitive Modulation of the Innate Immune Response. <i>Journal of Immunology</i> , 2010, 184, 2369-2376.	0.4	167
555	SusMiRPred: Ab Initio SVM Classification for Porcine MicroRNA Precursor Prediction. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	0
556	Multiple Mechanisms Downstream of TLR-4 Stimulation Allow Expression of NKG2D Ligands To Facilitate Macrophage/NK Cell Crosstalk. <i>Journal of Immunology</i> , 2010, 184, 6901-6909.	0.4	71
557	High-risk myeloma is associated with global elevation of miRNAs and overexpression of EIF2C2/AGO2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7904-7909.	3.3	187
558	MicroRNA-Deficient Schwann Cells Display Congenital Hypomyelination. <i>Journal of Neuroscience</i> , 2010, 30, 7722-7728.	1.7	85
559	Classification of ncRNAs using position and size information in deep sequencing data. <i>Bioinformatics</i> , 2010, 26, i426-i432.	1.8	22
560	Microarray-based analysis of microRNA expression in breast cancer stem cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2010, 29, 174.	3.5	23
561	High-performance quantification of mature microRNAs by real-time RT-PCR using deoxyuridine-incorporated oligonucleotides and hemi-nested primers. <i>Rna</i> , 2010, 16, 1436-1445.	1.6	67
562	Targeting microRNA-122 to Treat Hepatitis C Virus Infection. <i>Viruses</i> , 2010, 2, 1382-1393.	1.5	42

#	ARTICLE	IF	CITATIONS
563	Dicer-independent, Ago2-mediated microRNA biogenesis in vertebrates. <i>Cell Cycle</i> , 2010, 9, 4455-4460.	1.3	102
564	A two-step site and mRNA-level model for predicting microRNA targets. <i>BMC Bioinformatics</i> , 2010, 11, 612.	1.2	15
565	Genome-Wide Interrogation of Mammalian Stem Cell Fate Determinants by Nested Chromosome Deletions. <i>PLoS Genetics</i> , 2010, 6, e1001241.	1.5	5
566	MicroRNA Antagonism of the Picornaviral Life Cycle: Alternative Mechanisms of Interference. <i>PLoS Pathogens</i> , 2010, 6, e1000820.	2.1	50
567	Identification of microRNA activity by Targets' Reverse EXpression. <i>Bioinformatics</i> , 2010, 26, 91-97.	1.8	39
568	MiRror: a combinatorial analysis web tool for ensembles of microRNAs and their targets. <i>Bioinformatics</i> , 2010, 26, 1920-1921.	1.8	53
569	Chromosome 9p21 SNPs Associated with Multiple Disease Phenotypes Correlate with ANRIL Expression. <i>PLoS Genetics</i> , 2010, 6, e1000899.	1.5	331
570	Six RNA Viruses and Forty-One Hosts: Viral Small RNAs and Modulation of Small RNA Repertoires in Vertebrate and Invertebrate Systems. <i>PLoS Pathogens</i> , 2010, 6, e1000764.	2.1	234
571	miR-802 regulates human angiotensin II type 1 receptor expression in intestinal epithelial C2BBE1 cells. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G632-G642.	1.6	29
572	MicroRNA-223 regulates Glut4 expression and cardiomyocyte glucose metabolism. <i>Cardiovascular Research</i> , 2010, 86, 410-420.	1.8	306
573	An In-Depth Description of the Small Non-coding RNA Population of <i>Schistosoma japonicum</i> Schistosomulum. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e596.	1.3	66
574	Deregulation of microRNA expression in follicular cell-derived human thyroid carcinomas. <i>Endocrine-Related Cancer</i> , 2010, 17, F91-F104.	1.6	90
575	Circulating MicroRNAs in Cancer. <i>Nucleic Acids and Molecular Biology</i> , 2010, , 129-145.	0.2	1
576	mimiRNA: a microRNA expression profiler and classification resource designed to identify functional correlations between microRNAs and their targets. <i>Bioinformatics</i> , 2010, 26, 223-227.	1.8	75
577	Evolution of an X-Linked Primate-Specific Micro RNA Cluster. <i>Molecular Biology and Evolution</i> , 2010, 27, 671-683.	3.5	64
578	Chromosomal Redistribution of Male-Biased Genes in Mammalian Evolution with Two Bursts of Gene Gain on the X Chromosome. <i>PLoS Biology</i> , 2010, 8, e1000494.	2.6	182
579	In silico identification of microRNAs from expressed sequence tags of three earthworm species. , 2010, , ,		0
580	Human SP-A1 (SFTPA1) variant-specific 3' UTRs and poly(A) tail differentially affect the in vitro translation of a reporter gene. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 299, L523-L534.	1.3	18

#	ARTICLE	IF	CITATIONS
581	Black Carbon Exposures, Blood Pressure, and Interactions with Single Nucleotide Polymorphisms in MicroRNA Processing Genes. <i>Environmental Health Perspectives</i> , 2010, 118, 943-948.	2.8	69
582	Global Egr1-miRNAs Binding Analysis in PMA-Induced K562 Cells Using ChIP-Seq. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-11.	3.0	10
583	Identifying functional miRNA-mRNA regulatory modules with correspondence latent dirichlet allocation. <i>Bioinformatics</i> , 2010, 26, 3105-3111.	1.8	91
584	Why mouse oocytes and early embryos ignore miRNAs?. <i>RNA Biology</i> , 2010, 7, 559-563.	1.5	19
585	Post-transcriptional regulation of miR-27 in murine cytomegalovirus infection. <i>Rna</i> , 2010, 16, 307-315.	1.6	134
586	Modified least-variant set normalization for miRNA microarray. <i>Rna</i> , 2010, 16, 2293-2303.	1.6	22
587	Trisomy-21 gene dosage over-expression of miRNAs results in the haploinsufficiency of specific target proteins. <i>RNA Biology</i> , 2010, 7, 540-547.	1.5	74
588	microRNAs in Cancer. <i>Advances in Cancer Research</i> , 2010, 108, 113-157.	1.9	43
589	Model-free unsupervised gene set screening based on information enrichment in expression profiles. <i>Bioinformatics</i> , 2010, 26, 3090-3097.	1.8	1
590	Arabidopsis lyrata Small RNAs: Transient MIRNA and Small Interfering RNA Loci within the Arabidopsis Genus. <i>Plant Cell</i> , 2010, 22, 1090-1103.	3.1	221
591	Adrenal cortex and micro-RNAs. <i>Cell Cycle</i> , 2010, 9, 4039-4040.	1.3	2
592	Signatures of RNA binding proteins globally coupled to effective microRNA target sites. <i>Genome Research</i> , 2010, 20, 1010-1019.	2.4	102
593	A comprehensive survey of 3' animal miRNA modification events and a possible role for 3' adenylation in modulating miRNA targeting effectiveness. <i>Genome Research</i> , 2010, 20, 1398-1410.	2.4	309
594	Evidence that multiple genetic variants of MC4R play a functional role in the regulation of energy expenditure and appetite in Hispanic children. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 191-199.	2.2	65
595	Analysis of A to I editing of miRNA in macrophages exposed to Salmonella. <i>RNA Biology</i> , 2010, 7, 621-627.	1.5	12
596	Structure and activity of putative intronic miRNA promoters. <i>Rna</i> , 2010, 16, 495-505.	1.6	313
597	The role of microRNAs in endometriosis and associated reproductive conditions. <i>Human Reproduction Update</i> , 2010, 16, 142-165.	5.2	255
598	Integrative Analysis of the <i>Caenorhabditis elegans</i> Genome by the modENCODE Project. <i>Science</i> , 2010, 330, 1775-1787.	6.0	912

#	ARTICLE	IF	CITATIONS
599	Personalized Medicine in Traumatic Brain Injury. <i>Psychiatric Clinics of North America</i> , 2010, 33, 905-913.	0.7	18
600	miRBase: microRNA Sequences and Annotation. <i>Current Protocols in Bioinformatics</i> , 2010, 29, Unit 12.9.1-10.	25.8	171
601	Preparation and Analysis of MicroRNA Libraries Using the Illumina Massively Parallel Sequencing Technology. <i>Methods in Molecular Biology</i> , 2010, 650, 173-199.	0.4	13
602	Joint Genome-Wide Profiling of miRNA and mRNA Expression in Alzheimer's Disease Cortex Reveals Altered miRNA Regulation. <i>PLoS ONE</i> , 2010, 5, e8898.	1.1	320
603	MicroRNAs in <i>C. elegans</i> Development. <i>Molecular Medicine and Biotechnology</i> , 2010, , 51-93.	0.4	0
604	MicroRNA-204/211 alters epithelial physiology. <i>FASEB Journal</i> , 2010, 24, 1552-1571.	0.2	218
605	An in silico analysis of microRNAs: Mining the miRNAome. <i>Molecular BioSystems</i> , 2010, 6, 1853.	2.9	42
606	Functions of microRNAs in <i>Drosophila</i> development. <i>Biochemical Society Transactions</i> , 2010, 38, 1137-1143.	1.6	14
607	Epigenetic Alterations as Cancer Diagnostic, Prognostic, and Predictive Biomarkers. <i>Advances in Genetics</i> , 2010, 71, 125-176.	0.8	85
608	Nucleic Acid Sequence and Structure Databases. <i>Methods in Molecular Biology</i> , 2010, 609, 3-15.	0.4	3
609	Evidence for natural antisense transcript-mediated inhibition of microRNA function. <i>Genome Biology</i> , 2010, 11, R56.	3.8	444
610	Next Generation Sequencing of miRNAs – Strategies, Resources and Methods. <i>Genes</i> , 2010, 1, 70-84.	1.0	112
611	The involvement of microRNAs in Type 2 diabetes. <i>Biochemical Society Transactions</i> , 2010, 38, 1565-1570.	1.6	87
612	Regulation of the miR-212/132 locus by MSK1 and CREB in response to neurotrophins. <i>Biochemical Journal</i> , 2010, 428, 281-291.	1.7	195
614	Epigenetic architecture and miRNA: reciprocal regulators. <i>Epigenomics</i> , 2010, 2, 823-840.	1.0	37
615	miR-148a is an androgen-responsive microRNA that promotes LNCaP prostate cell growth by repressing its target CAND1 expression. <i>Prostate Cancer and Prostatic Diseases</i> , 2010, 13, 356-361.	2.0	128
616	miRNA in pluripotent stem cells. <i>Regenerative Medicine</i> , 2010, 5, 545-555.	0.8	32
617	MicroRNAs and potential target interactions in psoriasis. <i>Journal of Dermatological Science</i> , 2010, 58, 177-185.	1.0	193

#	ARTICLE	IF	CITATIONS
618	AmphiEST: Enabling comparative analysis of ESTs from five developmental stages of amphioxus. <i>Marine Genomics</i> , 2010, 3, 151-155.	0.4	6
619	Identifying gene regulatory networks in schizophrenia. <i>NeuroImage</i> , 2010, 53, 839-847.	2.1	108
620	MicroRNA-101 negatively regulates Ezh2 and its expression is modulated by androgen receptor and HIF-1 α /HIF-1 β . <i>Molecular Cancer</i> , 2010, 9, 108.	7.9	232
621	Cooperative and individualistic functions of the microRNAs in the miR-23a~27a~24-2 cluster and its implication in human diseases. <i>Molecular Cancer</i> , 2010, 9, 232.	7.9	278
622	Microrna profiling analysis of differences between the melanoma of young adults and older adults. <i>Journal of Translational Medicine</i> , 2010, 8, 27.	1.8	99
623	MicroRNAs Control Intestinal Epithelial Differentiation, Architecture, and Barrier Function. <i>Gastroenterology</i> , 2010, 139, 1654-1664.e1.	0.6	269
624	The role of the blood transcriptome in innate inflammation and stroke. <i>Annals of the New York Academy of Sciences</i> , 2010, 1207, 41-45.	1.8	12
625	Mechanical Stretch Up-regulates MicroRNA-26a and Induces Human Airway Smooth Muscle Hypertrophy by Suppressing Glycogen Synthase Kinase-3 β . <i>Journal of Biological Chemistry</i> , 2010, 285, 29336-29347.	1.6	186
626	Got target?: computational methods for microRNA target prediction and their extension. <i>Experimental and Molecular Medicine</i> , 2010, 42, 233.	3.2	156
627	A Link between mir-100 and FRAP1/mTOR in Clear Cell Ovarian Cancer. <i>Molecular Endocrinology</i> , 2010, 24, 447-463.	3.7	225
628	Discovery of prostate cancer biomarkers by microarray gene expression profiling. <i>Expert Review of Molecular Diagnostics</i> , 2010, 10, 49-64.	1.5	60
629	Evidence for microRNA-mediated regulation in rheumatic diseases. <i>Annals of the Rheumatic Diseases</i> , 2010, 69, i30-i36.	0.5	38
630	Viral miRNAs: tools for immune evasion. <i>Current Opinion in Microbiology</i> , 2010, 13, 540-545.	2.3	65
631	Genome-wide Dissection of MicroRNA Functions and Cotargeting Networks Using Gene Set Signatures. <i>Molecular Cell</i> , 2010, 38, 140-153.	4.5	212
632	Oxytocin receptor (OXTR) does not play a major role in the aetiology of autism: Genetic and molecular studies. <i>Neuroscience Letters</i> , 2010, 474, 163-167.	1.0	90
633	Analysis of phosphorus-deficient responsive miRNAs and cis-elements from soybean (<i>Glycine max</i> L.). <i>Journal of Plant Physiology</i> , 2010, 167, 1289-1297.	1.6	96
634	The miR-15/107 Group of MicroRNA Genes: Evolutionary Biology, Cellular Functions, and Roles in Human Diseases. <i>Journal of Molecular Biology</i> , 2010, 402, 491-509.	2.0	337
635	Role of microRNAs in HTLV-1 infection and transformation. <i>Molecular Aspects of Medicine</i> , 2010, 31, 367-382.	2.7	37

#	ARTICLE	IF	CITATIONS
636	One-step identification of conserved miRNAs, their targets, potential transcription factors and effector genes of complete secondary metabolism pathways after 454 pyrosequencing of calyx cDNAs from the Labiate <i>Salvia sclarea</i> L. <i>Gene</i> , 2010, 450, 55-62.	1.0	52
637	Experimental identification of microRNA targets. <i>Gene</i> , 2010, 451, 1-5.	1.0	87
638	Profiling of cold-stress-responsive miRNAs in rice by microarrays. <i>Gene</i> , 2010, 459, 39-47.	1.0	275
639	Multidirectional interplay between nuclear receptors and microRNAs. <i>Current Opinion in Pharmacology</i> , 2010, 10, 637-642.	1.7	26
640	MicroRNAs: Predictors and modifiers of chemo- and radiotherapy in different tumour types. <i>European Journal of Cancer</i> , 2010, 46, 298-311.	1.3	332
641	Self-complementary sequence context in mature miRNAs. <i>Biochemical and Biophysical Research Communications</i> , 2010, 392, 572-576.	1.0	12
642	Identification of microRNAs with a role in glucose stimulated insulin secretion by expression profiling of MIN6 cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 457-462.	1.0	68
643	High affinity, dsRNA binding by disconnected interacting protein 1. <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 186-191.	1.0	3
644	webFOG: A web tool to map genomic features onto genes. <i>Biochemical and Biophysical Research Communications</i> , 2010, 401, 447-450.	1.0	0
645	Niemannâ€Pick type C fibroblasts have a distinct microRNA profile related to lipid metabolism and certain cellular components. <i>Biochemical and Biophysical Research Communications</i> , 2010, 403, 316-321.	1.0	16
646	Alpha-fetoprotein gene polymorphisms and risk of HCC and cirrhosis. <i>Clinica Chimica Acta</i> , 2010, 411, 351-358.	0.5	14
647	microRNA expression profiles associated with phosphorus deficiency in white lupin (<i>Lupinus albus</i> L.). <i>Plant Science</i> , 2010, 178, 23-29.	1.7	68
648	Testosterone-induced upregulation of miRNAs in the female mouse liver. <i>Steroids</i> , 2010, 75, 998-1004.	0.8	60
649	microRNAs and cholesterol metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2010, 21, 699-706.	3.1	127
650	Expression of microRNAs and its regulation in plants. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 790-797.	2.3	79
651	The microRNAs of <i>Caenorhabditis elegans</i> . <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 728-737.	2.3	36
652	Plant microRNAs: An insight into their gene structures and evolution. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 782-789.	2.3	50
653	Tooth morphogenesis and ameloblast differentiation are regulated by micro-RNAs. <i>Developmental Biology</i> , 2010, 340, 355-368.	0.9	102

#	ARTICLE	IF	CITATIONS
654	Expression profiling of microRNA using real-time quantitative PCR, how to use it and what is available. <i>Methods</i> , 2010, 50, 244-249.	1.9	302
655	Computational analysis of microRNA function in heart development. <i>Acta Biochimica Et Biophysica Sinica</i> , 2010, 42, 662-670.	0.9	17
656	Functional genomics to identify therapeutic prophylactic targets. <i>Environmental Microbiology Reports</i> , 2010, 2, 219-227.	1.0	1
657	New Perspectives in MicroRNA Regulation of Innate Immunity. <i>Journal of Interferon and Cytokine Research</i> , 2010, 30, 283-289.	0.5	75
658	Convergent evolution of chicken Z and human X chromosomes by expansion and gene acquisition. <i>Nature</i> , 2010, 466, 612-616.	13.7	210
659	Cycling exercise affects the expression of apoptosis-associated microRNAs after spinal cord injury in rats. <i>Experimental Neurology</i> , 2010, 226, 200-206.	2.0	98
660	Lost in the space of bioinformatic tools: A constantly updated survival guide for genetic epidemiology. <i>The GenEpi Toolbox. Atherosclerosis</i> , 2010, 209, 321-335.	0.4	32
661	MicroRNA Regulation of Embryonic Stem Cell Self-Renewal and Differentiation. <i>Advances in Experimental Medicine and Biology</i> , 2010, 695, 105-117.	0.8	52
662	MicroRNAs May Mediate the Down-Regulation of Neurokinin-1 Receptor in Chronic Bladder Pain Syndrome. <i>American Journal of Pathology</i> , 2010, 176, 288-303.	1.9	94
663	Estrogen Receptor β Controls a Gene Network in Luminal-Like Breast Cancer Cells Comprising Multiple Transcription Factors and MicroRNAs. <i>American Journal of Pathology</i> , 2010, 176, 2113-2130.	1.9	151
664	Targeting breast cancer stem cells. <i>Molecular Oncology</i> , 2010, 4, 404-419.	2.1	170
665	Deep sequencing reveals differential expression of microRNAs in favorable versus unfavorable neuroblastoma. <i>Nucleic Acids Research</i> , 2010, 38, 5919-5928.	6.5	183
666	Regulation of Human Cardiac Ion Channel Genes by MicroRNAs: Theoretical Perspective and Pathophysiological Implications. <i>Cellular Physiology and Biochemistry</i> , 2010, 25, 571-586.	1.1	85
667	Resistance May Not Be Futile: microRNA Biomarkers for Chemoresistance and Potential Therapeutics. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 3126-3136.	1.9	147
668	The Role of microRNAs in Drug Addiction. <i>International Review of Neurobiology</i> , 2010, 91, 1-24.	0.9	39
669	microRNAs in heart disease: putative novel therapeutic targets?. <i>European Heart Journal</i> , 2010, 31, 649-658.	1.0	148
670	Integrative genome analysis reveals an oncomir/oncogene cluster regulating glioblastoma survivorship. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2183-2188.	3.3	216
671	Systematic analysis of regulation and functions of co-expressed microRNAs in humans. <i>Molecular BioSystems</i> , 2010, 6, 1863.	2.9	2

#	ARTICLE	IF	CITATIONS
672	MicroRNA analysis in human papillomavirus (HPV)-associated cervical neoplasia and cancer. <i>Infectious Agents and Cancer</i> , 2010, 5, .	1.2	10
673	Genome-wide analysis of mRNA decay patterns during early <i>Drosophila</i> development. <i>Genome Biology</i> , 2010, 11, R93.	13.9	124
674	Design and evaluation of genome-wide libraries for RNA interference screens. <i>Genome Biology</i> , 2010, 11, R61.	13.9	69
675	PhenomiR: a knowledgebase for microRNA expression in diseases and biological processes. <i>Genome Biology</i> , 2010, 11, R6.	13.9	247
676	Large-scale data integration framework provides a comprehensive view on glioblastoma multiforme. <i>Genome Medicine</i> , 2010, 2, 65.	3.6	145
677	Data mining of mRNA-Seq and small RNA-Seq data to find microRNA targets. , 2010, , .		0
679	Systematic computational analysis of potential RNAi regulation in <i>Toxoplasma gondii</i> . , 2010, , .		20
680	Human Traumatic Brain Injury Alters Plasma microRNA Levels. <i>Journal of Neurotrauma</i> , 2010, 27, 2147-2156.	1.7	260
681	Genome-wide computational identification and manual annotation of human long noncoding RNA genes. <i>Rna</i> , 2010, 16, 1478-1487.	1.6	354
682	Systematic comparison of microarray profiling, real-time PCR, and next-generation sequencing technologies for measuring differential microRNA expression. <i>Rna</i> , 2010, 16, 991-1006.	1.6	588
683	Identifying essential features for the classification of real and pseudo microRNAs precursors using fuzzy decision trees. , 2010, , .		4
684	MicroRNA signatures in peripheral blood mononuclear cells of chronic heart failure patients. <i>Physiological Genomics</i> , 2010, 42, 420-426.	1.0	123
685	Introduction into the analysis of high-throughput-sequencing based epigenome data. <i>Briefings in Bioinformatics</i> , 2010, 11, 512-523.	3.2	27
686	The Emerging Role of MicroRNAs as a Therapeutic Target for Cardiovascular Disease. <i>BioDrugs</i> , 2010, 24, 147-155.	2.2	10
687	The function of microRNAs, small but potent molecules, in human prostate cancer. <i>Prostate Cancer and Prostatic Diseases</i> , 2010, 13, 208-217.	2.0	49
688	MiRPara: A SVM-based software for prediction of mature miRNAs. , 2010, , .		0
689	MicroRNA-mediated alteration of TET2 interaction network in myeloproliferative neoplasms. , 2011, , .		0
690	Dynamic remodeling of context-specific miRNAs regulation networks facilitate in silico cancer drug screening. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
691	Triple helical recognition of pyrimidine inversions in polypurine tracts of RNA by nucleobase-modified PNA. <i>Chemical Communications</i> , 2011, 47, 11125.	2.2	66
692	Identifying multiple stem-loops pre-miRNA using support vector machine. , 2011, , .		0
693	Prediction and Evaluation of miRNA – Target Gene Pairs Using K-means Clustering and Bipartite Graphs with Statistical Scoring. , 2011, , .		1
694	Predicting MicroRNA targets by integrating sequence and expression data in cancer. , 2011, , .		4
695	Role of miR-224 in hepatocellular carcinoma: a tool for possible therapeutic intervention?. <i>Epigenomics</i> , 2011, 3, 235-243.	1.0	45
696	Deep sequencing of microRNA precursors reveals extensive 3' end modification. <i>Rna</i> , 2011, 17, 1795-1803.	1.6	100
697	Tomato Functional Genomics Database: a comprehensive resource and analysis package for tomato functional genomics. <i>Nucleic Acids Research</i> , 2011, 39, D1156-D1163.	6.5	113
698	Context-specific miRNA regulation network predicts cancer prognosis. , 2011, , .		2
699	MicroRNAs in platelet production and activation. <i>Blood</i> , 2011, 117, 5289-5296.	0.6	112
700	MicroRNA-137/181c Regulates Serine Palmitoyltransferase and In Turn Amyloid β , Novel Targets in Sporadic Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2011, 31, 14820-14830.	1.7	226
701	Identification of conserved microRNAs and their targets in Chinese cabbage (<i>Brassica rapa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	29
702	Vigilance and Validation: Keys to Success in RNAi Screening. <i>ACS Chemical Biology</i> , 2011, 6, 47-60.	1.6	110
703	miRBase: integrating microRNA annotation and deep-sequencing data. <i>Nucleic Acids Research</i> , 2011, 39, D152-D157.	6.5	3,263
704	MiR-124 regulates early neurogenesis in the optic vesicle and forebrain, targeting NeuroD1. <i>Nucleic Acids Research</i> , 2011, 39, 2869-2879.	6.5	90
705	Next-generation sequencing identifies novel microRNAs in peripheral blood of lung cancer patients. <i>Molecular BioSystems</i> , 2011, 7, 3187.	2.9	62
706	lncRNadb: a reference database for long noncoding RNAs. <i>Nucleic Acids Research</i> , 2011, 39, D146-D151.	6.5	508
707	Polycomb preferentially targets stalled promoters of coding and noncoding transcripts. <i>Genome Research</i> , 2011, 21, 216-226.	2.4	146
708	starBase: a database for exploring microRNA-mRNA interaction maps from Argonaute CLIP-Seq and Degradome-Seq data. <i>Nucleic Acids Research</i> , 2011, 39, D202-D209.	6.5	738

#	ARTICLE	IF	CITATIONS
709	MicroRNA-192 targeting retinoblastoma 1 inhibits cell proliferation and induces cell apoptosis in lung cancer cells. <i>Nucleic Acids Research</i> , 2011, 39, 6669-6678.	6.5	147
710	MicroRNAs in Drosophila Development. <i>International Review of Cell and Molecular Biology</i> , 2011, 286, 1-65.	1.6	44
711	EGFR Signals Downregulate Tumor Suppressors miR-143 and miR-145 in Western Diet-Promoted Murine Colon Cancer: Role of G1 Regulators. <i>Molecular Cancer Research</i> , 2011, 9, 960-975.	1.5	114
712	DARIO: a ncRNA detection and analysis tool for next-generation sequencing experiments. <i>Nucleic Acids Research</i> , 2011, 39, W112-W117.	6.5	82
713	Differentially regulated splice variants and systems biology analysis of Kaposi's sarcoma-associated herpesvirus-infected lymphatic endothelial cells. <i>Nucleic Acids Research</i> , 2011, 39, 6970-6985.	6.5	11
714	Serum Response Factor-Dependent MicroRNAs Regulate Gastrointestinal Smooth Muscle Cell Phenotypes. <i>Gastroenterology</i> , 2011, 141, 164-175.	0.6	50
715	The Liver-Specific MicroRNA miR-122: Biology and Therapeutic Potential. , 2011, , 221-238.		26
716	Large-Scale Sequencing of Plant Small RNAs. <i>Methods in Molecular Biology</i> , 2011, 744, 159-173.	0.4	4
717	Molecular Targets of Alcohol Action. <i>Progress in Molecular Biology and Translational Science</i> , 2011, 98, 293-347.	0.9	15
718	MicroRNAs in Thyroid Cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 3326-3336.	1.8	115
719	Performing Custom MicroRNA Microarray Experiments. <i>Journal of Visualized Experiments</i> , 2011, , e3250.	0.2	7
720	Detection of Viral microRNA with S1 Nuclease Protection Assay. <i>Methods in Molecular Biology</i> , 2011, 721, 173-182.	0.4	3
721	MicroRNAs and Mesenchymal Stem Cells. <i>Vitamins and Hormones</i> , 2011, 87, 291-320.	0.7	45
722	Integrating microRNAs into a system biology approach to acute lung injury. <i>Translational Research</i> , 2011, 157, 180-190.	2.2	81
723	The Role of MicroRNAs in Viral Infection. <i>Progress in Molecular Biology and Translational Science</i> , 2011, 102, 101-139.	0.9	83
724	Identification of microRNA precursors based on random forest with network-level representation method of stem-loop structure. <i>BMC Bioinformatics</i> , 2011, 12, 165.	1.2	33
725	Graph based fusion of miRNA and mRNA expression data improves clinical outcome prediction in prostate cancer. <i>BMC Bioinformatics</i> , 2011, 12, 488.	1.2	35
726	Profiling the miRNome: Detecting Global miRNA Expression Levels with DNA Microarrays. <i>Neuroinformatics</i> , 2011, , 91-111.	0.2	0

#	ARTICLE	IF	CITATIONS
727	microRNA and mRNA Expression Profiling Analysis of Dichlorvos Cytotoxicity in Porcine Kidney Epithelial PK15 Cells. <i>DNA and Cell Biology</i> , 2011, 30, 1073-1083.	0.9	26
728	MiRNAâ€™ miRNA synergistic network: construction via co-regulating functional modules and disease miRNA topological features. <i>Nucleic Acids Research</i> , 2011, 39, 825-836.	6.5	245
729	Identification of Plant microRNAs Using Expressed Sequence Tag Analysis. <i>Methods in Molecular Biology</i> , 2011, 678, 13-25.	0.4	11
730	Genome sequence of an Australian kangaroo, <i>Macropus eugenii</i> , provides insight into the evolution of mammalian reproduction and development. <i>Genome Biology</i> , 2011, 12, R81.	13.9	167
731	BioGraph: unsupervised biomedical knowledge discovery via automated hypothesis generation. <i>Genome Biology</i> , 2011, 12, R57.	13.9	109
732	A statistical framework for modeling gene expression using chromatin features and application to modENCODE datasets. <i>Genome Biology</i> , 2011, 12, R15.	13.9	118
733	Analysis of microRNA Expression and Function. <i>Methods in Cell Biology</i> , 2011, 106, 219-252.	0.5	66
734	Role of microRNAs in cardiac hypertrophy, myocardial fibrosis and heart failure. <i>Acta Pharmaceutica Sinica B</i> , 2011, 1, 1-7.	5.7	28
735	RNA deep sequencing of the Atlantic cod transcriptome. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011, 6, 18-22.	0.4	34
736	A Long Noncoding RNA Controls Muscle Differentiation by Functioning as a Competing Endogenous RNA. <i>Cell</i> , 2011, 147, 358-369.	13.5	2,390
737	Adaptation to P Element Transposon Invasion in <i>Drosophila melanogaster</i> . <i>Cell</i> , 2011, 147, 1551-1563.	13.5	226
738	Target-Mediated Protection of Endogenous MicroRNAs in <i>C. elegans</i> . <i>Developmental Cell</i> , 2011, 20, 388-396.	3.1	150
739	Identification, characterization and expression analysis of MicroRNAs and their targets in the potato (<i>Solanum tuberosum</i>). <i>Gene</i> , 2011, 473, 8-22.	1.0	96
740	Characterization and application of small RNAs and RNA silencing mechanisms in fungi. <i>Fungal Biology Reviews</i> , 2011, 25, 172-180.	1.9	16
741	MicroRNA changes in the mouse prefrontal cortex after inflammatory pain. <i>European Journal of Pain</i> , 2011, 15, 801.e1-12.	1.4	41
742	MicroRNAs in colorectal cancer: Function, dysregulation and potential as novel biomarkers. <i>European Journal of Surgical Oncology</i> , 2011, 37, 649-654.	0.5	54
743	Autosomal dominant polycystic kidney disease: Genetics, mutations and microRNAs. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011, 1812, 1202-1212.	1.8	55
744	Roles and regulation of microRNAs in cytomegalovirus infection. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 613-622.	0.9	27

#	ARTICLE	IF	CITATIONS
745	Drosha processing controls the specificity and efficiency of global microRNA expression. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 700-707.	0.9	50
746	miRNA profiling of bilateral rat hippocampal CA3 by deep sequencing. <i>Biochemical and Biophysical Research Communications</i> , 2011, 409, 293-298.	1.0	18
747	Discovering numerical laws of plant microRNA by evolution. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 313-318.	1.0	7
748	Global microRNA Analysis of the NCI-60 Cancer Cell Panel. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 375-384.	1.9	74
749	Deep sequencing of small RNAs from human skin reveals major alterations in the psoriasis miRNAome. <i>Human Molecular Genetics</i> , 2011, 20, 4025-4040.	1.4	213
750	MicroRNAs in Cotton. <i>RNA Technologies</i> , 2011, , 301-312.	0.2	0
752	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. <i>Science</i> , 2011, 332, 960-963.	6.0	794
753	Small RNA Discovery and Characterisation in Eukaryotes Using High-Throughput Approaches. <i>Advances in Experimental Medicine and Biology</i> , 2011, 722, 239-254.	0.8	6
754	Epigenetics in Male Reproduction: A Practical Introduction to the Informatics of Next Generation Sequencing. <i>Epigenetics and Human Health</i> , 2011, , 231-258.	0.2	0
755	Possible involvement of microRNAs (miR-135a ^Δ) in heart failure associated with 25bp deletion in MYBPC3 (cardiac myosin binding protein C) gene. <i>Medical Hypotheses</i> , 2011, 76, 306.	0.8	5
756	A Primate Herpesvirus Uses the Integrator Complex to Generate Viral MicroRNAs. <i>Molecular Cell</i> , 2011, 43, 982-992.	4.5	106
757	MicroRNA Destabilization Enables Dynamic Regulation of the miR-16 Family in Response to Cell-Cycle Changes. <i>Molecular Cell</i> , 2011, 43, 993-1004.	4.5	171
758	Small molecules with big effects: The role of the microRNAome in cancer and carcinogenesis. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 722, 94-105.	0.9	110
759	Representational Difference Analysis (RDA) reveals differential expression of conserved as well as novel genes during caste-specific development of the honey bee (<i>Apis mellifera</i> L.) ovary. <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 602-612.	1.2	30
760	Analyzing miRNAs in Ductal Adenocarcinomas of the Pancreas. <i>Journal of Surgical Research</i> , 2011, 169, 241-246.	0.8	23
761	Comparative expression of miRNA genes and miRNA-based AFLP marker analysis in cultivated tetraploid cottons. <i>Journal of Plant Physiology</i> , 2011, 168, 824-830.	1.6	21
762	Small RNA transcriptome investigation based on next-generation sequencing technology. <i>Journal of Genetics and Genomics</i> , 2011, 38, 505-513.	1.7	32
763	Downregulated Kynurenine 3-Monooxygenase Gene Expression and Enzyme Activity in Schizophrenia and Genetic Association With Schizophrenia Endophenotypes. <i>Archives of General Psychiatry</i> , 2011, 68, 665.	13.8	141

#	ARTICLE	IF	CITATIONS
764	The Emerging Role of microRNAs in Adult Stem Cells. , 2011, , 57-94.		1
765	Mesenchymal miR-21 regulates branching morphogenesis in murine submandibular gland in vitro. <i>Developmental Biology</i> , 2011, 352, 299-307.	0.9	34
766	Implementation of a de novo genome-wide computational approach for updating <i>Brachypodium</i> miRNAs. <i>Genomics</i> , 2011, 97, 282-293.	1.3	17
767	Predicting human microRNA precursors based on an optimized feature subset generated by GA+SVM. <i>Genomics</i> , 2011, 98, 73-78.	1.3	53
768	Interrogation of rabbit miRNAs and their isomiRs. <i>Genomics</i> , 2011, 98, 453-459.	1.3	36
769	MicroRNA-503 and the Extended MicroRNA-16 Family in Angiogenesis. <i>Trends in Cardiovascular Medicine</i> , 2011, 21, 162-166.	2.3	80
770	Differential expression of porcine sperm microRNAs and their association with sperm morphology and motility. <i>Theriogenology</i> , 2011, 76, 1532-1539.	0.9	95
771	Up-regulation of key microRNAs, and inverse down-regulation of their predicted oxidative phosphorylation target genes, during aging in mouse brain. <i>Neurobiology of Aging</i> , 2011, 32, 944-955.	1.5	128
772	A systems genetic analysis of alcohol drinking by mice, rats and men: Influence of brain GABAergic transmission. <i>Neuropharmacology</i> , 2011, 60, 1269-1280.	2.0	50
773	In silico Detection of Novel MicroRNAs Genes in Soybean Genome. <i>Agricultural Sciences in China</i> , 2011, 10, 1336-1345.	0.6	15
774	A MicroRNA Catalog of Swine Umbilical Vein Endothelial Cells Identified by Deep Sequencing. <i>Agricultural Sciences in China</i> , 2011, 10, 1467-1474.	0.6	1
775	Computational Analysis of Drought Stress-Associated miRNAs and miRNA Co-Regulation Network in <i>Physcomitrella patens</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2011, 9, 37-44.	3.0	26
776	Computational Identification of Sweet Wormwood (<i>Artemisia annua</i>) microRNA and Their mRNA Targets. <i>Genomics, Proteomics and Bioinformatics</i> , 2011, 9, 200-210.	3.0	36
777	Detection of MicroRNAs in Prostate Cancer Cells by MicroRNA Array. <i>Methods in Molecular Biology</i> , 2011, 732, 69-88.	0.4	18
778	Weak seed-pairing stability and high target-site abundance decrease the proficiency of <i>lscy-6</i> and other microRNAs. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 1139-1146.	3.6	803
779	Knockdown of miR-21 in human breast cancer cell lines inhibits proliferation, in vitro migration and in vivo tumor growth. <i>Breast Cancer Research</i> , 2011, 13, R2.	2.2	265
780	Deep sequencing on genome-wide scale reveals the unique composition and expression patterns of microRNAs in developing pollen of <i>Oryza sativa</i> . <i>Genome Biology</i> , 2011, 12, R53.	3.8	148
781	Genome sequence and global sequence variation map with 5.5 million SNPs in Chinese rhesus macaque. <i>Genome Biology</i> , 2011, 12, R63.	3.8	35

#	ARTICLE	IF	CITATIONS
782	Targeted enrichment beyond the consensus coding DNA sequence exome reveals exons with higher variant densities. <i>Genome Biology</i> , 2011, 12, R68.	13.9	192
783	Cardiospecific microRNA Plasma Levels Correlate with Troponin and Cardiac Function in Patients with ST Elevation Myocardial Infarction, Are Selectively Dependent on Renal Elimination, and Can Be Detected in Urine Samples. <i>Cardiology</i> , 2011, 118, 217-226.	0.6	222
784	Role of MicroRNAs From Monoclonal Gammopathy of Undetermined Significance to Multiple Myeloma. <i>Seminars in Hematology</i> , 2011, 48, 39-45.	1.8	16
785	Repertoire of Porcine MicroRNAs in Adult Ovary and Testis by Deep Sequencing. <i>International Journal of Biological Sciences</i> , 2011, 7, 1045-1055.	2.6	122
786	MiR-21 plays an Important Role in Radiation Induced Carcinogenesis in BALB/c Mice by Directly Targeting the Tumor Suppressor Gene Big-h3. <i>International Journal of Biological Sciences</i> , 2011, 7, 347-363.	2.6	51
787	Genetic algorithm-based efficient feature selection for classification of pre-miRNAs. <i>Genetics and Molecular Research</i> , 2011, 10, 588-603.	0.3	16
788	Overview of the potential of microRNAs and their target gene detection for cassava (Manihot) Tj ETQq0 0 0 rgBT /Overlock 10,Tf 50 502	0.3	13
789	Computational Tools for Identification of microRNAs in Deep Sequencing Data Sets. , 2011, , .		1
790	MicroRNA Identification Based on Bioinformatics Approaches. , 0, , .		0
791	Solexa Sequencing of Novel and Differentially Expressed MicroRNAs in Testicular and Ovarian Tissues in Holstein Cattle. <i>International Journal of Biological Sciences</i> , 2011, 7, 1016-1026.	2.6	157
792	A new method for measuring functional similarity of microRNAs. <i>Journal of Integrated OMICS</i> , 2011, 1, .	0.5	8
793	Altered Methylation at MicroRNA-Associated CpG Islands in Hereditary and Sporadic Carcinomas: A Methylation-Specific Multiplex Ligation-Dependent Probe Amplification (MS-MLPA)-Based Approach. <i>Molecular Medicine</i> , 2011, 17, 726-735.	1.9	52
794	Online resources for microRNA analysis. <i>Journal of Nucleic Acids Investigation</i> , 2011, 2, 4.	0.5	3
795	The Role of Cancer Stem Cells and MicroRNAs in Human Prostate Cancer. , 0, , .		0
796	miRNA Biomarkers in Breast Cancer Detection and Management. <i>Journal of Cancer</i> , 2011, 2, 116-122.	1.2	103
797	Systematic Curation of miRBase Annotation Using Integrated Small RNA High-Throughput Sequencing Data for <i>C. elegans</i> and <i>Drosophila</i> . <i>Frontiers in Genetics</i> , 2011, 2, 25.	1.1	52
798	Systems Biology Reveals MicroRNA-Mediated Gene Regulation. <i>Frontiers in Genetics</i> , 2011, 2, 29.	1.1	28
799	MIRNA-DISTILLER: A Stand-Alone Application to Compile microRNA Data from Databases. <i>Frontiers in Genetics</i> , 2011, 2, 39.	1.1	8

#	ARTICLE	IF	CITATIONS
800	RSV Induced Changes in miRNA Expression in Lung. , 2011, , .		1
801	Impact of Cellular miRNAs on Circulating miRNA Biomarker Signatures. PLoS ONE, 2011, 6, e20769.	1.1	271
802	Identification and Characterization of microRNAs from Peanut (<i>Arachis hypogaea</i> L.) by High-Throughput Sequencing. PLoS ONE, 2011, 6, e27530.	1.1	131
803	Effect of Xpcl1 Activation and p27Kip1 Loss on Gene Expression in Murine Lymphoma. PLoS ONE, 2011, 6, e14758.	1.1	6
804	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
805	Discovery of Novel Human Breast Cancer MicroRNAs from Deep Sequencing Data by Analysis of Pri-MicroRNA Secondary Structures. PLoS ONE, 2011, 6, e16403.	1.1	29
806	MicroRNAs Profiling in Murine Models of Acute and Chronic Asthma: A Relationship with mRNAs Targets. PLoS ONE, 2011, 6, e16509.	1.1	128
807	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
808	Regulation of Cancer Aggressive Features in Melanoma Cells by MicroRNAs. PLoS ONE, 2011, 6, e18936.	1.1	77
809	Computational Prediction of Intronic microRNA Targets using Host Gene Expression Reveals Novel Regulatory Mechanisms. PLoS ONE, 2011, 6, e19312.	1.1	34
810	Exonic DNA Sequencing of ERBB4 in Bipolar Disorder. PLoS ONE, 2011, 6, e20242.	1.1	13
811	A Comprehensive Survey of miRNA Repertoire and 3' Addition Events in the Placentas of Patients with Pre-Eclampsia from High-Throughput Sequencing. PLoS ONE, 2011, 6, e21072.	1.1	88
812	MicroRNA Expression Profiling Reveals MiRNA Families Regulating Specific Biological Pathways in Mouse Frontal Cortex and Hippocampus. PLoS ONE, 2011, 6, e21495.	1.1	71
813	Quantitative Proteomics Identify Novel miR-155 Target Proteins. PLoS ONE, 2011, 6, e22146.	1.1	28
814	MIRTFnet: Analysis of miRNA Regulated Transcription Factors. PLoS ONE, 2011, 6, e22519.	1.1	25
815	Expression and Rhythmic Modulation of Circulating MicroRNAs Targeting the Clock Gene <i>Bmal1</i> in Mice. PLoS ONE, 2011, 6, e22586.	1.1	104
816	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
817	Comparative Expression Profile of miRNA and mRNA in Primary Peripheral Blood Mononuclear Cells Infected with Human Immunodeficiency Virus (HIV-1). PLoS ONE, 2011, 6, e22730.	1.1	55

#	ARTICLE	IF	CITATIONS
818	Hormone-Dependent Expression of a Steroidogenic Acute Regulatory Protein Natural Antisense Transcript in MA-10 Mouse Tumor Leydig Cells. <i>PLoS ONE</i> , 2011, 6, e22822.	1.1	16
819	Integrated Analysis of miRNA and mRNA Expression in Childhood Medulloblastoma Compared with Neural Stem Cells. <i>PLoS ONE</i> , 2011, 6, e23935.	1.1	46
820	miR-143 Regulation of Prostaglandin-Endoperoxidase Synthase 2 in the Amnion: Implications for Human Parturition at Term. <i>PLoS ONE</i> , 2011, 6, e24131.	1.1	48
821	Reduced Expression of Brain-Enriched microRNAs in Glioblastomas Permits Targeted Regulation of a Cell Death Gene. <i>PLoS ONE</i> , 2011, 6, e24248.	1.1	160
822	MiR-224 Targets the 3'UTR of Type 1 5'-Iodothyronine Deiodinase Possibly Contributing to Tissue Hypothyroidism in Renal Cancer. <i>PLoS ONE</i> , 2011, 6, e24541.	1.1	72
823	MicroRNAs Associated with Metastatic Prostate Cancer. <i>PLoS ONE</i> , 2011, 6, e24950.	1.1	183
824	Synergistic Post-Transcriptional Regulation of the Cystic Fibrosis Transmembrane conductance Regulator (CFTR) by miR-101 and miR-494 Specific Binding. <i>PLoS ONE</i> , 2011, 6, e26601.	1.1	80
825	Genome-Wide Functional Analysis of the Cotton Transcriptome by Creating an Integrated EST Database. <i>PLoS ONE</i> , 2011, 6, e26980.	1.1	102
826	Mutagen-Specific Mutation Signature Determines Global microRNA Binding. <i>PLoS ONE</i> , 2011, 6, e27400.	1.1	9
827	High-Throughput Sequencing of RNA Silencing-Associated Small RNAs in Olive (<i>Olea europaea</i> L.). <i>PLoS ONE</i> , 2011, 6, e27916.	1.1	52
828	Metabolic and miRNA Profiling of TMV Infected Plants Reveals Biphasic Temporal Changes. <i>PLoS ONE</i> , 2011, 6, e28466.	1.1	59
829	Comparative Genomics of the Anopheline Glutathione S-Transferase Epsilon Cluster. <i>PLoS ONE</i> , 2011, 6, e29237.	1.1	19
830	MicroRNA and Diseases of the Nervous System. <i>Neurosurgery</i> , 2011, 69, 440-454.	0.6	8
831	Regulation of ion transport by microRNAs. <i>Current Opinion in Nephrology and Hypertension</i> , 2011, 20, 541-546.	1.0	11
832	Evolution of MicroRNAs and the Diversification of Species. <i>Genome Biology and Evolution</i> , 2011, 3, 55-65.	1.1	63
833	Practical Aspects of microRNA Target Prediction. <i>Current Molecular Medicine</i> , 2011, 11, 93-109.	0.6	432
834	Evolutionary Changes of the Target Sites of Two MicroRNAs Encoded in the Hox Gene Cluster of <i>Drosophila</i> and Other Insect Species. <i>Genome Biology and Evolution</i> , 2011, 3, 129-139.	1.1	18
835	In-silico human genomics with GeneCards. <i>Human Genomics</i> , 2011, 5, 709.	1.4	186

#	ARTICLE	IF	CITATIONS
836	Modules of human micro-RNA co-target network. <i>Journal of Physics: Conference Series</i> , 2011, 297, 012002.	0.3	2
837	Genome-wide identification of human microRNAs located in leukemia-associated genomic alterations. <i>Blood</i> , 2011, 117, 595-607.	0.6	105
838	Dysregulated microRNAs affect pathways and targets of biologic relevance in nasal-type natural killer/T-cell lymphoma. <i>Blood</i> , 2011, 118, 4919-4929.	0.6	94
839	MicroRNA miR-451 downregulates the PI3K/AKT pathway through CAB39 in human glioma. <i>International Journal of Oncology</i> , 2012, 40, 1105-12.	1.4	85
840	Roles of miRNAs in virus-mediated cellular transformation: lessons from human T-cell leukemia virus type 1. <i>Future Virology</i> , 2011, 6, 1351-1360.	0.9	0
841	Characterizing the role of miRNAs within gene regulatory networks using integrative genomics techniques. <i>Molecular Systems Biology</i> , 2011, 7, 490.	3.2	67
842	Genetic variation in <i>GREM1</i> is a risk factor for fibrosis in pulmonary sarcoidosis. <i>Tissue Antigens</i> , 2011, 77, 112-117.	1.0	39
843	Deep sequencing of grapevine flower and berry short RNA library for discovery of novel microRNAs and validation of precise sequences of grapevine microRNAs deposited in miRBase. <i>Physiologia Plantarum</i> , 2011, 143, 64-81.	2.6	81
844	Profiling of short RNAs during fleshy fruit development reveals stage-specific sRNAome expression patterns. <i>Plant Journal</i> , 2011, 67, 232-246.	2.8	138
845	Systematic exploration of cancer-associated microRNA through functional screening assays. <i>Cancer Science</i> , 2011, 102, 1615-1621.	1.7	19
846	A specific miRNA signature in the peripheral blood of glioblastoma patients. <i>Journal of Neurochemistry</i> , 2011, 118, 449-457.	2.1	177
847	Genome-wide analysis of clustering patterns and flanking characteristics for plant microRNA genes. <i>FEBS Journal</i> , 2011, 278, 929-940.	2.2	19
848	Diet induced epigenetic changes and their implications for health. <i>Acta Physiologica</i> , 2011, 202, 103-118.	1.8	255
849	Conservation and Diversity of MicroRNA-associated Copper-regulatory Networks in <i>Populus trichocarpa</i> . <i>Journal of Integrative Plant Biology</i> , 2011, 53, 879-891.	4.1	56
850	Specific MicroRNA Signatures for the Detection of Saliva and Blood in Forensic Bodyfluid Identification. <i>Journal of Forensic Sciences</i> , 2011, 56, 1464-1470.	0.9	121
851	MicroRNAs are transported in plasma and delivered to recipient cells by high-density lipoproteins. <i>Nature Cell Biology</i> , 2011, 13, 423-433.	4.6	2,395
852	The genome of <i>Theobroma cacao</i> . <i>Nature Genetics</i> , 2011, 43, 101-108.	9.4	656
853	Understanding the transcriptome through RNA structure. <i>Nature Reviews Genetics</i> , 2011, 12, 641-655.	7.7	411

#	ARTICLE	IF	CITATIONS
854	RNA Editing adds flavor to complexity. <i>Biochemistry (Moscow)</i> , 2011, 76, 869-881.	0.7	13
855	Search for protein markers for serum diagnostics of tumors by analysis of microRNA expression profiles. <i>Molecular Biology</i> , 2011, 45, 337-342.	0.4	4
856	MicroRNA-101-mediated Akt activation and estrogen-independent growth. <i>Oncogene</i> , 2011, 30, 822-831.	2.6	111
857	Analysis of the host microRNA response to <i>Salmonella</i> uncovers the control of major cytokines by the let-7 family. <i>EMBO Journal</i> , 2011, 30, 1977-1989.	3.5	270
858	MicroRNA evolution by arm switching. <i>EMBO Reports</i> , 2011, 12, 172-177.	2.0	199
859	Blood Cell MicroRNAs: What Are They and What Future Do They Hold?. <i>Transfusion Medicine Reviews</i> , 2011, 25, 247-251.	0.9	16
860	Radiation-induced epigenetic alterations after low and high LET irradiations. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 707, 24-33.	0.4	100
861	MicroRNA history: Discovery, recent applications, and next frontiers. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 717, 1-8.	0.4	351
862	MicroRNAs, the DNA damage response and cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 717, 54-66.	0.4	78
863	MicroRNA response to environmental mutagens in liver. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 717, 67-76.	0.4	24
864	MicroRNA expression in the livers of inbred mice. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 714, 126-133.	0.4	15
865	Human microRNA target identification by RRSM. <i>Journal of Theoretical Biology</i> , 2011, 286, 79-84.	0.8	11
866	MicroRNAs: New actors in the oral cancer scene. <i>Oral Oncology</i> , 2011, 47, 314-319.	0.8	91
867	Long non-coding RNAs are expressed in oral mucosa and altered in oral premalignant lesions. <i>Oral Oncology</i> , 2011, 47, 1055-1061.	0.8	74
868	Shielding the messenger (RNA): microRNA-based anticancer therapies. , 2011, 131, 18-32.		52
869	MicroRNAs and Cancer: Introduction. <i>Seminars in Oncology</i> , 2011, 38, 721-723.	0.8	20
870	miR-196 regulates axial patterning and pectoral appendage initiation. <i>Developmental Biology</i> , 2011, 357, 463-477.	0.9	74
871	Ortho2ExpressMatrix™ a web server that interprets cross-species gene expression data by gene family information. <i>BMC Genomics</i> , 2011, 12, 483.	1.2	5

#	ARTICLE	IF	CITATIONS
872	NMD and microRNA expression profiling of the HPCX1 locus reveal MAGEC1 as a candidate prostate cancer predisposition gene. <i>BMC Cancer</i> , 2011, 11, 327.	1.1	8
873	miRWalk â€“ Database: Prediction of possible miRNA binding sites by â€œwalkingâ€•the genes of three genomes. <i>Journal of Biomedical Informatics</i> , 2011, 44, 839-847.	2.5	1,551
874	Systematic analysis of human microRNA divergence based on evolutionary emergence. <i>FEBS Letters</i> , 2011, 585, 240-248.	1.3	15
875	Antiviral effects of human microRNAs and conservation of their target sites. <i>FEBS Letters</i> , 2011, 585, 2551-2555.	1.3	55
876	miR-21 targets the tumor suppressor RhoB and regulates proliferation, invasion and apoptosis in colorectal cancer cells. <i>FEBS Letters</i> , 2011, 585, 2998-3005.	1.3	101
877	Silencing of miR-124 induces neuroblastoma SK-N-SH cell differentiation, cell cycle arrest and apoptosis through promoting AHR. <i>FEBS Letters</i> , 2011, 585, 3582-3586.	1.3	67
878	Messenger RNA and microRNA profiling during early mouse EB formation. <i>Gene Expression Patterns</i> , 2011, 11, 334-344.	0.3	17
879	Akt, FoxO and regulation of apoptosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1978-1986.	1.9	839
880	The induction of epigenetic regulation of PROS1 gene in lung fibroblasts by gold nanoparticles and implications for potential lung injury. <i>Biomaterials</i> , 2011, 32, 7609-7615.	5.7	81
881	MicroRNAs 144, 145, and 214 are down-regulated in primary neurons responding to sciatic nerve transection. <i>Brain Research</i> , 2011, 1383, 62-70.	1.1	59
882	miRNA Prediction Using Computational Approach. <i>Advances in Experimental Medicine and Biology</i> , 2011, 696, 75-82.	0.8	4
883	Performance comparison of exome DNA sequencing technologies. <i>Nature Biotechnology</i> , 2011, 29, 908-914.	9.4	464
884	Manipulations of MicroRNA in Human Pluripotent Stem Cells and Their Derivatives. <i>Methods in Molecular Biology</i> , 2011, 690, 107-120.	0.4	1
885	Expression of miR-487b and miR-410 encoded by 14q32.31 locus is a prognostic marker in neuroblastoma. <i>British Journal of Cancer</i> , 2011, 105, 1352-1361.	2.9	91
886	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. <i>Rna</i> , 2011, 17, 1489-1501.	1.6	102
887	The Role of MicroRNAs in Cholesterol Efflux and Hepatic Lipid Metabolism. <i>Annual Review of Nutrition</i> , 2011, 31, 49-63.	4.3	130
888	Diverse Small Non-coding RNAs in RNA Interference Pathways. <i>Methods in Molecular Biology</i> , 2011, 764, 169-182.	0.4	56
889	Expression pattern of wheat miRNAs under salinity stress and prediction of salt-inducible miRNAs targets. <i>Frontiers of Agriculture in China</i> , 2011, 5, 413-422.	0.2	27

#	ARTICLE	IF	CITATIONS
890	Analysis of miRNA duplication in the human genome and the role of transposon evolution in this process. <i>Russian Journal of Genetics: Applied Research</i> , 2011, 1, 308-314.	0.4	4
891	Chromatin decompaction in the interbands of <i>Drosophila polytene</i> chromosomes does not correlate with high transcription level. <i>Russian Journal of Genetics</i> , 2011, 47, 674-681.	0.2	2
892	Developmental plasticity and epigenetic mechanisms underpinning metabolic and cardiovascular diseases. <i>Epigenomics</i> , 2011, 3, 279-294.	1.0	68
893	Quantitation of MicroRNAs by Real-Time RT-qPCR. <i>Methods in Molecular Biology</i> , 2011, 687, 113-134.	0.4	108
894	Expression of two microRNAs, ame-mir-276 and -1000, in the adult honeybee (<i>Apis mellifera</i>) brain. <i>Apidologie</i> , 2011, 42, 89-102.	0.9	24
895	Coordinated Post-transcriptional Regulation of Hsp70.3 Gene Expression by MicroRNA and Alternative Polyadenylation. <i>Journal of Biological Chemistry</i> , 2011, 286, 29828-29837.	1.6	59
896	Detection of Differentially Expressed microRNAs in Serum of Pancreatic Ductal Adenocarcinoma Patients: miR-196a Could Be a Potential Marker for Poor Prognosis. <i>Digestive Diseases and Sciences</i> , 2011, 56, 602-609.	1.1	144
897	MicroRNA and AU-rich element regulation of prostaglandin synthesis. <i>Cancer and Metastasis Reviews</i> , 2011, 30, 419-435.	2.7	23
898	Identification of Novel and Conserved microRNAs in <i>Rehmannia glutinosa</i> L. by Solexa Sequencing. <i>Plant Molecular Biology Reporter</i> , 2011, 29, 986-996.	1.0	16
899	miR-27b*, an oxidative stress-responsive microRNA modulates nuclear factor- κ B pathway in RAW 264.7 cells. <i>Molecular and Cellular Biochemistry</i> , 2011, 352, 181-188.	1.4	110
900	Tobacco microRNAs prediction and their expression infected with Cucumber mosaic virus and Potato virus X. <i>Molecular Biology Reports</i> , 2011, 38, 1523-1531.	1.0	37
901	Identification of the transcriptional promoters in the proximal regions of human microRNA genes. <i>Molecular Biology Reports</i> , 2011, 38, 4153-4157.	1.0	16
902	Characterization of microRNAs from sheep (<i>Ovis aries</i>) using computational and experimental analyses. <i>Molecular Biology Reports</i> , 2011, 38, 3161-3171.	1.0	29
903	Identification and characterization of microRNAs from citrus expressed sequence tags. <i>Tree Genetics and Genomes</i> , 2011, 7, 117-133.	0.6	16
904	miRNA expression patterns of <i>Triticum dicoccoides</i> in response to shock drought stress. <i>Planta</i> , 2011, 233, 471-484.	1.6	337
905	Stage and tissue-specific modulation of ten conserved miRNAs and their targets during somatic embryogenesis of Valencia sweet orange. <i>Planta</i> , 2011, 233, 495-505.	1.6	112
906	Investigation of the microRNAs in safflower seed, leaf, and petal by high-throughput sequencing. <i>Planta</i> , 2011, 233, 611-619.	1.6	32
907	Hepatic miRNA expression reprogrammed by <i>Plasmodium chabaudi</i> malaria. <i>Parasitology Research</i> , 2011, 108, 1111-1121.	0.6	53

#	ARTICLE	IF	CITATIONS
908	Murine Hepatic miRNAs Expression and Regulation of Gene Expression in Diet-Induced Obese Mice. <i>Molecules and Cells</i> , 2011, 31, 33-38.	1.0	34
909	Identification of Potential microRNAs and Their Targets in <i>Brassica rapa</i> L.. <i>Molecules and Cells</i> , 2011, 32, 21-38.	1.0	43
910	The role of the precursor structure in the biogenesis of microRNA. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 2859-2871.	2.4	130
911	Misexpression of Testicular MicroRNA in Sterile <i>Xenopus</i> Hybrids Points to Tetrapod-Specific MicroRNAs Associated with Male Fertility. <i>Journal of Molecular Evolution</i> , 2011, 73, 316-324.	0.8	12
912	MicroRNAs in the Human Pituitary. <i>Endocrine Pathology</i> , 2011, 22, 134-143.	5.2	48
913	miRNAs Stem Cell Reprogramming for Neuronal Induction and Differentiation. <i>Molecular Neurobiology</i> , 2011, 43, 215-227.	1.9	19
914	MicroRNAs in Brain Tumors. <i>Molecular Neurobiology</i> , 2011, 44, 223-234.	1.9	49
915	The regulatory epicenter of miRNAs. <i>Journal of Biosciences</i> , 2011, 36, 621-638.	0.5	19
916	Identification and functional annotation of novel microRNAs in the proximal sciatic nerve after sciatic nerve transection. <i>Science China Life Sciences</i> , 2011, 54, 806-812.	2.3	29
917	miRNA and nasopharyngeal carcinoma. <i>Science Bulletin</i> , 2011, 56, 722-728.	1.7	4
918	Two-step cleavage of hairpin RNA with 5' overhangs by human DICER. <i>BMC Molecular Biology</i> , 2011, 12, 6.	3.0	21
919	Identification and comparative analysis of drought-associated microRNAs in two cowpea genotypes. <i>BMC Plant Biology</i> , 2011, 11, 127.	1.6	187
920	Identification of miRNAs and their target genes in developing soybean seeds by deep sequencing. <i>BMC Plant Biology</i> , 2011, 11, 5.	1.6	287
921	HC-Pro silencing suppressor significantly alters the gene expression profile in tobacco leaves and flowers. <i>BMC Plant Biology</i> , 2011, 11, 68.	1.6	57
922	Analysis of positional candidate genes in the AAA1 susceptibility locus for abdominal aortic aneurysms on chromosome 19. <i>BMC Medical Genetics</i> , 2011, 12, 14.	2.1	18
923	Long noncoding intronic RNAs are differentially expressed in primary and metastatic pancreatic cancer. <i>Molecular Cancer</i> , 2011, 10, 141.	7.9	153
924	The functional role of long non-coding RNA in human carcinomas. <i>Molecular Cancer</i> , 2011, 10, 38.	7.9	1,450
925	Prediction of plant promoters based on hexamers and random triplet pair analysis. <i>Algorithms for Molecular Biology</i> , 2011, 6, 19.	0.3	15

#	ARTICLE	IF	CITATIONS
926	Alzheimer-specific variants in the 3'UTR of Amyloid precursor protein affect microRNA function. <i>Molecular Neurodegeneration</i> , 2011, 6, 70.	4.4	111
927	MicroRNAs coordinately regulate protein complexes. <i>BMC Systems Biology</i> , 2011, 5, 136.	3.0	49
928	Network analysis of microRNAs and their regulation in human ovarian cancer. <i>BMC Systems Biology</i> , 2011, 5, 183.	3.0	21
929	Regulatory coordination of clustered microRNAs based on microRNA-transcription factor regulatory network. <i>BMC Systems Biology</i> , 2011, 5, 199.	3.0	57
930	Characterization the regulation of herpesvirus miRNAs from the view of human protein interaction network. <i>BMC Systems Biology</i> , 2011, 5, 93.	3.0	4
931	miR2Gene: pattern discovery of single gene, multiple genes, and pathways by enrichment analysis of their microRNA regulators. <i>BMC Systems Biology</i> , 2011, 5, S9.	3.0	9
932	Emerging roles of chicken and viral microRNAs in avian disease. <i>BMC Proceedings</i> , 2011, 5, S2.	1.8	31
933	Integrative analysis of next generation sequencing for small non-coding RNAs and transcriptional regulation in Myelodysplastic Syndromes. <i>BMC Medical Genomics</i> , 2011, 4, 19.	0.7	41
934	Comparative analysis of miRNAs and their targets across four plant species. <i>BMC Research Notes</i> , 2011, 4, 483.	0.6	18
935	MiRPara: a SVM-based software tool for prediction of most probable microRNA coding regions in genome scale sequences. <i>BMC Bioinformatics</i> , 2011, 12, 107.	1.2	160
936	miRFam: an effective automatic miRNA classification method based on n-grams and a multiclass SVM. <i>BMC Bioinformatics</i> , 2011, 12, 216.	1.2	29
937	miRTar: an integrated system for identifying miRNA-target interactions in human. <i>BMC Bioinformatics</i> , 2011, 12, 300.	1.2	128
938	MIR@NT@N: a framework integrating transcription factors, microRNAs and their targets to identify sub-network motifs in a meta-regulation network model. <i>BMC Bioinformatics</i> , 2011, 12, 67.	1.2	64
939	GARNET " gene set analysis with exploration of annotation relations. <i>BMC Bioinformatics</i> , 2011, 12, S25.	1.2	11
940	Coregulation of transcription factors and microRNAs in human transcriptional regulatory network. <i>BMC Bioinformatics</i> , 2011, 12, S41.	1.2	84
941	Divergence in cis-regulatory sequences surrounding the opsin gene arrays of African cichlid fishes. <i>BMC Evolutionary Biology</i> , 2011, 11, 120.	3.2	35
942	Characterization of statistical features for plant microRNA prediction. <i>BMC Genomics</i> , 2011, 12, 108.	1.2	63
943	Identification and characterization of maize microRNAs involved in the very early stage of seed germination. <i>BMC Genomics</i> , 2011, 12, 154.	1.2	129

#	ARTICLE	IF	CITATIONS
944	Rice-Map: a new-generation rice genome browser. <i>BMC Genomics</i> , 2011, 12, 165.	1.2	10
945	Copy number variation of microRNA genes in the human genome. <i>BMC Genomics</i> , 2011, 12, 183.	1.2	63
946	Genomic features and computational identification of human microRNAs under long-range developmental regulation. <i>BMC Genomics</i> , 2011, 12, 270.	1.2	6
947	Identification of novel soybean microRNAs involved in abiotic and biotic stresses. <i>BMC Genomics</i> , 2011, 12, 307.	1.2	313
948	Evolutionary conserved microRNAs are ubiquitously expressed compared to tick-specific miRNAs in the cattle tick <i>Rhipicephalus (Boophilus) microplus</i> . <i>BMC Genomics</i> , 2011, 12, 328.	1.2	33
949	Chromatin structure characteristics of pre-miRNA genomic sequences. <i>BMC Genomics</i> , 2011, 12, 329.	1.2	13
950	Identification of lignin genes and regulatory sequences involved in secondary cell wall formation in <i>Acacia auriculiformis</i> and <i>Acacia mangium</i> via de novo transcriptome sequencing. <i>BMC Genomics</i> , 2011, 12, 342.	1.2	70
951	Identification of drought-responsive microRNAs in <i>Medicago truncatula</i> by genome-wide high-throughput sequencing. <i>BMC Genomics</i> , 2011, 12, 367.	1.2	291
952	Analysis of the melon (<i>Cucumis melo</i>) small RNAome by high-throughput pyrosequencing. <i>BMC Genomics</i> , 2011, 12, 393.	1.2	58
953	Refining transcriptional programs in kidney development by integration of deep RNA-sequencing and array-based spatial profiling. <i>BMC Genomics</i> , 2011, 12, 441.	1.2	27
954	A global view of porcine transcriptome in three tissues from a full-sib pair with extreme phenotypes in growth and fat deposition by paired-end RNA sequencing. <i>BMC Genomics</i> , 2011, 12, 448.	1.2	103
955	Comparative analysis of neural transcriptomes and functional implication of unannotated intronic expression. <i>BMC Genomics</i> , 2011, 12, 494.	1.2	3
956	MicroRNA-mediated gene regulation plays a minor role in the transcriptomic plasticity of cold-acclimated Zebrafish brain tissue. <i>BMC Genomics</i> , 2011, 12, 605.	1.2	35
957	Characterisation and expression of microRNAs in developing wings of the neotropical butterfly <i>Heliconius melpomene</i> . <i>BMC Genomics</i> , 2011, 12, 62.	1.2	44
958	Pre-processing and differential expression analysis of Agilent microRNA arrays using the AgiMicroRna Bioconductor library. <i>BMC Genomics</i> , 2011, 12, 64.	1.2	121
959	Independent component and pathway-based analysis of miRNA-regulated gene expression in a model of type 1 diabetes. <i>BMC Genomics</i> , 2011, 12, 97.	1.2	35
960	Functional complementation between transcriptional methylation regulation and post-transcriptional microRNA regulation in the human genome. <i>BMC Genomics</i> , 2011, 12, S15.	1.2	52
961	miRNAs in human cancer. <i>Journal of Pathology</i> , 2011, 223, 102-115.	2.1	827

#	ARTICLE	IF	CITATIONS
962	Genome-wide approaches in the study of microRNA biology. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2011, 3, 491-512.	6.6	26
963	Altered expression of miRNA-21 and its targets in the hippocampus after traumatic brain injury. <i>Journal of Neuroscience Research</i> , 2011, 89, 212-221.	1.3	110
964	MicroRNAs and their role in gynecological tumors. <i>Medicinal Research Reviews</i> , 2011, 31, 895-923.	5.0	23
965	Informatics for mass spectrometry-based RNA analysis. <i>Mass Spectrometry Reviews</i> , 2011, 30, 1000-1012.	2.8	27
966	5-fluorouracil drug alters the microRNA expression profiles in MCF-7 breast cancer cells. <i>Journal of Cellular Physiology</i> , 2011, 226, 1868-1878.	2.0	53
967	Expression of members of the miRNA-92 cluster during development and in carcinogenesis. <i>Journal of Cellular Physiology</i> , 2011, 226, 2257-2266.	2.0	41
968	Whole-exome sequencing identifies compound heterozygous mutations in <i>WDR62</i> in siblings with recurrent polymicrogyria. <i>American Journal of Medical Genetics, Part A</i> , 2011, 155, 2071-2077.	0.7	38
969	Alteration of microRNA profiles in squamous cell carcinoma of the head and neck cell lines by human papillomavirus. <i>Head and Neck</i> , 2011, 33, 504-512.	0.9	134
970	Modulation of hepatitis B virus replication and hepatocyte differentiation by MicroRNA-1. <i>Hepatology</i> , 2011, 53, 1476-1485.	3.6	182
971	Putative tumor suppressor miR-145 inhibits colon cancer cell growth by targeting oncogene friend leukemia virus integration 1 gene. <i>Cancer</i> , 2011, 117, 86-95.	2.0	156
972	MicroRNA-183 family expression in hair cell development and requirement of microRNAs for hair cell maintenance and survival. <i>Developmental Dynamics</i> , 2011, 240, 808-819.	0.8	94
973	miRvar: A comprehensive database for genomic variations in microRNAs. <i>Human Mutation</i> , 2011, 32, E2226-E2245.	1.1	35
974	Mutations in NOTCH2 in families with Hajdu-Cheney syndrome. <i>Human Mutation</i> , 2011, 32, 1114-1117.	1.1	93
975	miR-137 targets Cdc42 expression, induces cell cycle G1 arrest and inhibits invasion in colorectal cancer cells. <i>International Journal of Cancer</i> , 2011, 128, 1269-1279.	2.3	149
976	Epigenetic markers for chemosensitivity and chemoresistance in pancreatic cancer—A review. <i>International Journal of Cancer</i> , 2011, 129, 1031-1041.	2.3	28
977	The procollagen type III, alpha 1 (COL3A1) gene first intron expresses poly(A) ⁺ RNA corresponding to multiple ESTs and putative miRNAs. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 541-547.	1.2	4
978	miR-21 downregulates the tumor suppressor P12 ^{CDK2AP1} and Stimulates Cell Proliferation and Invasion. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 872-880.	1.2	64
979	MicroRNA identity and abundance in developing swine adipose tissue as determined by solexa sequencing. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 1318-1328.	1.2	128

#	ARTICLE	IF	CITATIONS
980	Profiling highly conserved microRNA expression in recombinant IgG-producing and parental Chinese hamster ovary cells. <i>Biotechnology Progress</i> , 2011, 27, 1163-1171.	1.3	31
981	Conserved MicroRNAs in Chinese hamster ovary cell lines. <i>Biotechnology and Bioengineering</i> , 2011, 108, 475-480.	1.7	49
982	Tooth evolution and dental defects: From genetic regulation network to microRNA fine-tuning. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2011, 91, 763-769.	1.6	24
983	Inhibition of miR-214 expression represses proliferation and differentiation of C2C12 myoblasts. <i>Cell Biochemistry and Function</i> , 2011, 29, 378-383.	1.4	70
984	Dye-Free MicroRNA Quantification by Using Pyrosequencing with a Sequence-Tagged Stem-loop RT Primer. <i>ChemBioChem</i> , 2011, 12, 845-849.	1.3	11
985	Using Modularly Assembled Ligands To Bind RNA Internal Loops Separated by Different Distances. <i>ChemBioChem</i> , 2011, 12, 2143-2146.	1.3	23
986	Multiplexed microRNA detection by capillary electrophoresis with laser-induced fluorescence. <i>Journal of Chromatography A</i> , 2011, 1218, 2604-2610.	1.8	33
987	Using network context as a filter for miRNA target prediction. <i>BioSystems</i> , 2011, 105, 201-209.	0.9	14
988	Feature importance analysis in guide strand identification of microRNAs. <i>Computational Biology and Chemistry</i> , 2011, 35, 131-136.	1.1	5
989	An enzyme-linked assay for the rapid quantification of microRNAs based on the viral suppressor of RNA silencing protein p19. <i>Analytical Biochemistry</i> , 2011, 412, 165-172.	1.1	46
990	Next-generation sequencing of the Chinese hamster ovary microRNA transcriptome: Identification, annotation and profiling of microRNAs as targets for cellular engineering. <i>Journal of Biotechnology</i> , 2011, 153, 62-75.	1.9	102
991	RNASpace.org: An integrated environment for the prediction, annotation, and analysis of ncRNA. <i>Rna</i> , 2011, 17, 1947-1956.	1.6	25
992	Discerning Different In vivo Roles of MicroRNAs by Experimental Approaches in Zebrafish. <i>Methods in Cell Biology</i> , 2011, 104, 353-378.	0.5	4
993	Prediction of microRNA targets in <i>Caenorhabditis elegans</i> using a self-organizing map. <i>Bioinformatics</i> , 2011, 27, 1247-1254.	1.8	21
994	RepTar: a database of predicted cellular targets of host and viral miRNAs. <i>Nucleic Acids Research</i> , 2011, 39, D188-D194.	6.5	45
995	Computational and experimental identification of mirtrons in <i>Drosophila melanogaster</i> and <i>Caenorhabditis elegans</i> . <i>Genome Research</i> , 2011, 21, 286-300.	2.4	71
996	Selective Constraints in Conserved Folded RNAs of Drosophilid and Hominid Genomes. <i>Molecular Biology and Evolution</i> , 2011, 28, 1519-1529.	3.5	9
997	Distribution pattern of small RNA and degradome reads provides information on miRNA gene structure and regulation. <i>Plant Signaling and Behavior</i> , 2011, 6, 1609-1611.	1.2	39

#	ARTICLE	IF	CITATIONS
998	New families of human regulatory RNA structures identified by comparative analysis of vertebrate genomes. <i>Genome Research</i> , 2011, 21, 1929-1943.	2.4	100
999	Posttranscriptional regulation of the p85 α ; adapter subunit of phosphatidylinositol 3-kinase in human leukemia cells. <i>Leukemia and Lymphoma</i> , 2011, 52, 467-477.	0.6	2
1000	Desmin Regulates Airway Smooth Muscle Hypertrophy through Early Growth-responsive Protein-1 and MicroRNA-26a. <i>Journal of Biological Chemistry</i> , 2011, 286, 43394-43404.	1.6	34
1001	MicroRNA 345, a methylation-sensitive microRNA is involved in cell proliferation and invasion in human colorectal cancer. <i>Carcinogenesis</i> , 2011, 32, 1207-1215.	1.3	100
1002	MicroRNA Expression Profiles of Human Blood Monocyte-derived Dendritic Cells and Macrophages Reveal miR-511 as Putative Positive Regulator of Toll-like Receptor 4. <i>Journal of Biological Chemistry</i> , 2011, 286, 26487-26495.	1.6	121
1003	Observation of <i>miRNA</i> Gene Expression in Zebrafish Embryos by <i>In Situ</i> Hybridization to MicroRNA Primary Transcripts. <i>Zebrafish</i> , 2011, 8, 1-8.	0.5	37
1004	Functional SNP in the microRNA-367 binding site in the 3'UTR of the calcium channel ryanodine receptor gene 3 (<i>RYR3</i>) affects breast cancer risk and calcification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13653-13658.	3.3	144
1005	Solexa Sequencing Analysis of Chicken Pre-Adipocyte MicroRNAs. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 54-61.	0.6	36
1006	Genome-wide characterization of new and drought stress responsive microRNAs in <i>Populus euphratica</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 3765-3779.	2.4	291
1007	Neutral Evolution of Robustness in <i>Drosophila</i> microRNA Precursors. <i>Molecular Biology and Evolution</i> , 2011, 28, 2115-2123.	3.5	23
1008	Pivotal Role of Reduced <i>let-7g</i> Expression in Breast Cancer Invasion and Metastasis. <i>Cancer Research</i> , 2011, 71, 6463-6474.	0.4	141
1009	microRNA-Seq reveals cocaine-regulated expression of striatal microRNAs. <i>Rna</i> , 2011, 17, 1529-1543.	1.6	113
1010	mESAdb: microRNA Expression and Sequence Analysis Database. <i>Nucleic Acids Research</i> , 2011, 39, D170-D180.	6.5	34
1011	Identification of miR-193b Targets in Breast Cancer Cells and Systems Biological Analysis of Their Functional Impact. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.005322.	2.5	60
1012	Deep annotation of <i>Drosophila melanogaster</i> microRNAs yields insights into their processing, modification, and emergence. <i>Genome Research</i> , 2011, 21, 203-215.	2.4	207
1013	Microfluidic-Based Multiplex qRT-PCR Identifies Diagnostic and Prognostic microRNA Signatures in the Sera of Prostate Cancer Patients. <i>Cancer Research</i> , 2011, 71, 550-560.	0.4	287
1014	Involvement of MicroRNAs in Dioxin-Induced Liver Damage in the Mouse. <i>Toxicological Sciences</i> , 2011, 122, 457-465.	1.4	48
1015	Identification of <i>cis</i> - and <i>trans</i> -regulatory variation modulating microRNA expression levels in human fibroblasts. <i>Genome Research</i> , 2011, 21, 68-73.	2.4	70

#	ARTICLE	IF	CITATIONS
1016	Comprehensive Sequence Analysis of 24,783 Barley Full-Length cDNAs Derived from 12 Clone Libraries <i>Plant Physiology</i> , 2011, 156, 20-28.	2.3	201
1017	MiR-29a Inhibits Cell Proliferation and Induces Cell Cycle Arrest through the Downregulation of p42.3 in Human Gastric Cancer. <i>PLoS ONE</i> , 2011, 6, e25872.	1.1	88
1018	ARTADE2DB: Improved Statistical Inferences for Arabidopsis Gene Functions and Structure Predictions by Dynamic Structure-Based Dynamic Expression (DSDE) Analyses. <i>Plant and Cell Physiology</i> , 2011, 52, 254-264.	1.5	15
1019	Inferring causative variants in microRNA target sites. <i>Nucleic Acids Research</i> , 2011, 39, e109-e109.	6.5	64
1020	Population differences in microRNA expression and biological implications. <i>RNA Biology</i> , 2011, 8, 692-701.	1.5	138
1021	Improved annotation of <i>C. elegans</i> microRNAs by deep sequencing reveals structures associated with processing by Droscha and Dicer. <i>Rna</i> , 2011, 17, 563-577.	1.6	47
1022	Rfam: Wikipedia, clans and the "decimal" release. <i>Nucleic Acids Research</i> , 2011, 39, D141-D145.	6.5	355
1023	miRTarBase: a database curates experimentally validated microRNA-target interactions. <i>Nucleic Acids Research</i> , 2011, 39, D163-D169.	6.5	1,155
1024	Quantitative Studies of Epstein-Barr Virus-Encoded MicroRNAs Provide Novel Insights into Their Regulation. <i>Journal of Virology</i> , 2011, 85, 996-1010.	1.5	99
1025	Nuclear and cytoplasmic localization of neural stem cell microRNAs. <i>Rna</i> , 2011, 17, 675-686.	1.6	105
1026	Human microRNA hsa-miR-125a-5p interferes with expression of hepatitis B virus surface antigen. <i>Nucleic Acids Research</i> , 2011, 39, 5157-5163.	6.5	172
1027	A growing molecular toolbox for the functional analysis of microRNAs in <i>Caenorhabditis elegans</i> . <i>Briefings in Functional Genomics</i> , 2011, 10, 175-180.	1.3	2
1028	Evolution and Functional Diversification of <i>MIRNA</i> Genes. <i>Plant Cell</i> , 2011, 23, 431-442.	3.1	645
1029	Regulation of mouse stomach development and Barx1 expression by specific microRNAs. <i>Development (Cambridge)</i> , 2011, 138, 1081-1086.	1.2	21
1030	miRvestigator: web application to identify miRNAs responsible for co-regulated gene expression patterns discovered through transcriptome profiling. <i>Nucleic Acids Research</i> , 2011, 39, W125-W131.	6.5	26
1031	Polymorphisms inside MicroRNAs and MicroRNA Target Sites Predict Clinical Outcomes in Prostate Cancer Patients Receiving Androgen-Deprivation Therapy. <i>Clinical Cancer Research</i> , 2011, 17, 928-936.	3.2	74
1032	wapRNA: a web-based application for the processing of RNA sequences. <i>Bioinformatics</i> , 2011, 27, 3076-3077.	1.8	51
1033	microRNAs and Mechanical Stress. <i>Signaling and Communication in Plants</i> , 2011, , 329-344.	0.5	2

#	ARTICLE	IF	CITATIONS
1034	Plant noncoding RNA gene discovery by single-genome comparative genomics. <i>Rna</i> , 2011, 17, 390-400.	1.6	4
1035	Isoform-level microRNA-155 target prediction using RNA-seq. <i>Nucleic Acids Research</i> , 2011, 39, e61-e61.	6.5	27
1036	The genome of the leaf-cutting ant <i>Acromyrmex echinatior</i> suggests key adaptations to advanced social life and fungus farming. <i>Genome Research</i> , 2011, 21, 1339-1348.	2.4	210
1037	miTALOS: Analyzing the tissue-specific regulation of signaling pathways by human and mouse microRNAs. <i>Rna</i> , 2011, 17, 809-819.	1.6	52
1038	Overexpression of miR-200c Induces Chemoresistance in Esophageal Cancers Mediated Through Activation of the Akt Signaling Pathway. <i>Clinical Cancer Research</i> , 2011, 17, 3029-3038.	3.2	230
1039	Cross-talk between miR-29 and Transforming Growth Factor-Betas in Trabecular Meshwork Cells. , 2011, 52, 3567.		82
1040	A wide repertoire of miRNA binding sites: prediction and functional implications. <i>Bioinformatics</i> , 2011, 27, 3093-3101.	1.8	28
1041	Methods and strategies for gene structure curation in WormBase. <i>Database: the Journal of Biological Databases and Curation</i> , 2011, 2011, baq039-baq039.	1.4	15
1042	The Members of an Epstein-Barr Virus MicroRNA Cluster Cooperate To Transform B Lymphocytes. <i>Journal of Virology</i> , 2011, 85, 9801-9810.	1.5	91
1043	Barcoding bias in high-throughput multiplex sequencing of miRNA. <i>Genome Research</i> , 2011, 21, 1506-1511.	2.4	107
1044	Evolutionary Models Accounting for Layers of Selection in Protein-Coding Genes and their Impact on the Inference of Positive Selection. <i>Molecular Biology and Evolution</i> , 2011, 28, 3297-3308.	3.5	54
1045	LSD: a leaf senescence database. <i>Nucleic Acids Research</i> , 2011, 39, D1103-D1107.	6.5	74
1046	p53 activates the PANK1/ miRNA-107 gene leading to downregulation of CDK6 and p130 cell cycle proteins. <i>Nucleic Acids Research</i> , 2011, 39, 440-453.	6.5	75
1047	Ultraconserved cDNA segments in the human transcriptome exhibit resistance to folding and implicate function in translation and alternative splicing. <i>Nucleic Acids Research</i> , 2011, 39, 1967-1979.	6.5	21
1048	g:Profiler a web server for functional interpretation of gene lists (2011 update). <i>Nucleic Acids Research</i> , 2011, 39, W307-W315.	6.5	454
1049	Estrogen-Regulated Genes in Rat Testes and Their Relationship to Recovery of Spermatogenesis after Irradiation1. <i>Biology of Reproduction</i> , 2011, 85, 823-833.	1.2	17
1050	MicroRNAs-10a and -10b Contribute to Retinoic Acid-induced Differentiation of Neuroblastoma Cells and Target the Alternative Splicing Regulatory Factor SFRS1 (SF2/ASF). <i>Journal of Biological Chemistry</i> , 2011, 286, 4150-4164.	1.6	103
1051	Identifying transcriptional start sites of human microRNAs based on high-throughput sequencing data. <i>Nucleic Acids Research</i> , 2011, 39, 9345-9356.	6.5	149

#	ARTICLE	IF	CITATIONS
1052	Enrichment of mRNA-like Noncoding RNAs in the Divergence of <i>Drosophila</i> Males. <i>Molecular Biology and Evolution</i> , 2011, 28, 1339-1348.	3.5	11
1053	Dynamic Changes in the MicroRNA Expression Profile Reveal Multiple Regulatory Mechanisms in the Spinal Nerve Ligation Model of Neuropathic Pain. <i>PLoS ONE</i> , 2011, 6, e17670.	1.1	123
1054	PmiRKB: a plant microRNA knowledge base. <i>Nucleic Acids Research</i> , 2011, 39, D181-D187.	6.5	43
1055	Deep-sequencing of human Argonaute-associated small RNAs provides insight into miRNA sorting and reveals Argonaute association with RNA fragments of diverse origin. <i>RNA Biology</i> , 2011, 8, 158-177.	1.5	273
1056	Enhancing miRNA annotation confidence in miRBase by continuous cross dataset analysis. <i>RNA Biology</i> , 2011, 8, 378-383.	1.5	32
1057	Stars and Symbiosis: MicroRNA- and MicroRNA*-Mediated Transcript Cleavage Involved in Arbuscular Mycorrhizal Symbiosis. <i>Plant Physiology</i> , 2011, 156, 1990-2010.	2.3	235
1058	IL-23 Receptor Regulation by Let-7f in Human CD4+ Memory T Cells. <i>Journal of Immunology</i> , 2011, 186, 6182-6190.	0.4	62
1059	Post-transcriptional generation of miRNA variants by multiple nucleotidyl transferases contributes to miRNA transcriptome complexity. <i>Genome Research</i> , 2011, 21, 1450-1461.	2.4	269
1060	MicroRNA <i>let-7</i> establishes expression of β_2 -adrenergic receptors and dynamically down-regulates agonist-promoted down-regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6246-6251.	3.3	41
1061	miR-365, a Novel Negative Regulator of Interleukin-6 Gene Expression, Is Cooperatively Regulated by Sp1 and NF- κ B. <i>Journal of Biological Chemistry</i> , 2011, 286, 21401-21412.	1.6	108
1062	MicroRNA Regulation of Molecular Networks Mapped by Global MicroRNA, mRNA, and Protein Expression in Activated T Lymphocytes. <i>Journal of Immunology</i> , 2011, 187, 2233-2243.	0.4	86
1063	MicroRNAs in the shoot apical meristem of soybean. <i>Journal of Experimental Botany</i> , 2011, 62, 2495-2506.	2.4	80
1064	Massive Analysis of Rice Small RNAs: Mechanistic Implications of Regulated MicroRNAs and Variants for Differential Target RNA Cleavage. <i>Plant Cell</i> , 2011, 23, 4185-4207.	3.1	341
1065	Prioritizing Candidate Disease miRNAs by Topological Features in the miRNA Target-Dysregulated Network: Case Study of Prostate Cancer. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 1857-1866.	1.9	216
1066	miR-200a Regulates SIRT1 Expression and Epithelial to Mesenchymal Transition (EMT)-like Transformation in Mammary Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 25992-26002.	1.6	235
1067	Two-tiered Approach Identifies a Network of Cancer and Liver Disease-related Genes Regulated by miR-122. <i>Journal of Biological Chemistry</i> , 2011, 286, 18066-18078.	1.6	54
1068	MYC Protein Inhibits Transcription of the MicroRNA Cluster MC-let-7a-1/let-7d via Noncanonical E-box. <i>Journal of Biological Chemistry</i> , 2011, 286, 39703-39714.	1.6	63
1069	Human miR-1271 is a miR-96 paralog with distinct non-conserved brain expression pattern. <i>Nucleic Acids Research</i> , 2011, 39, 701-711.	6.5	37

#	ARTICLE	IF	CITATIONS
1070	Structural basis of microRNA length variety. <i>Nucleic Acids Research</i> , 2011, 39, 257-268.	6.5	159
1071	Regulation of Heme Oxygenase-1 Protein Expression by miR-377 in Combination with miR-217. <i>Journal of Biological Chemistry</i> , 2011, 286, 3194-3202.	1.6	76
1072	PAPD5, a noncanonical poly(A) polymerase with an unusual RNA-binding motif. <i>Rna</i> , 2011, 17, 1737-1746.	1.6	67
1073	A microfluidic-assisted microarray for ultrasensitive detection of miRNA under an optical microscope. <i>Lab on A Chip</i> , 2011, 11, 1886.	3.1	67
1074	The use of RNAi technologies for gene knockdown in zebrafish. <i>Briefings in Functional Genomics</i> , 2011, 10, 189-196.	1.3	42
1075	A single nucleotide polymorphism in the 3' untranslated region of MyD88 gene is associated with Buerger disease but not with Takayasu arteritis in Japanese. <i>Journal of Human Genetics</i> , 2011, 56, 545-547.	1.1	22
1076	mirConnX: condition-specific mRNA-microRNA network integrator. <i>Nucleic Acids Research</i> , 2011, 39, W416-W423.	6.5	109
1077	Functional Homogeneity in microRNA Target Heterogeneity—a New Sight into Human microRNomics. <i>OMICS A Journal of Integrative Biology</i> , 2011, 15, 25-35.	1.0	10
1078	<i>Wolbachia</i> uses host microRNAs to manipulate host gene expression and facilitate colonization of the dengue vector <i>Aedes aegypti</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9250-9255.	3.3	225
1079	Mini ways to stop a virus: microRNAs and HIV-1 replication. <i>Future Virology</i> , 2011, 6, 209-221.	0.9	23
1080	Widespread expression of piRNA-like molecules in somatic tissues. <i>Nucleic Acids Research</i> , 2011, 39, 6596-6607.	6.5	182
1081	Critical association of ncRNA with introns. <i>Nucleic Acids Research</i> , 2011, 39, 2357-2366.	6.5	149
1082	MicroRNA-301 Mediates Proliferation and Invasion in Human Breast Cancer. <i>Cancer Research</i> , 2011, 71, 2926-2937.	0.4	242
1083	DICER1 syndrome: clarifying the diagnosis, clinical features and management implications of a pleiotropic tumour predisposition syndrome. <i>Journal of Medical Genetics</i> , 2011, 48, 273-278.	1.5	312
1084	Integrated microRNA and mRNA expression profiling in a rat colon carcinogenesis model: effect of a chemo-protective diet. <i>Physiological Genomics</i> , 2011, 43, 640-654.	1.0	70
1085	Profiles of Small Non-Coding RNAs in <i>Schistosoma japonicum</i> during Development. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1256.	1.3	68
1086	Identification of human miRNA precursors that resemble box C/D snoRNAs. <i>Nucleic Acids Research</i> , 2011, 39, 3879-3891.	6.5	123
1087	MicroRNA Expression and Regulation in Human, Chimpanzee, and Macaque Brains. <i>PLoS Genetics</i> , 2011, 7, e1002327.	1.5	126

#	ARTICLE	IF	CITATIONS
1088	Conserved Regulation of p53 Network Dosage by MicroRNA-125b Occurs through Evolving miRNA-Target Gene Pairs. <i>PLoS Genetics</i> , 2011, 7, e1002242.	1.5	143
1089	MicroRNA Networks Alter to Conform to Transcription Factor Networks Adding Redundancy and Reducing the Repertoire of Target Genes for Coordinated Regulation. <i>Molecular Biology and Evolution</i> , 2011, 28, 639-646.	3.5	17
1090	New Antisense Strategies: Chemical Synthesis of RNA Oligomers. <i>Advances in Polymer Science</i> , 2011, , 1-47.	0.4	0
1091	miRanalyzer: an update on the detection and analysis of microRNAs in high-throughput sequencing experiments. <i>Nucleic Acids Research</i> , 2011, 39, W132-W138.	6.5	253
1092	The Arabidopsis bZIP Gene AtbZIP63 Is a Sensitive Integrator of Transient Abscisic Acid and Glucose Signals. <i>Plant Physiology</i> , 2011, 157, 692-705.	2.3	96
1093	Prediction and characterization of noncoding RNAs in <i>C. elegans</i> by integrating conservation, secondary structure, and high-throughput sequencing and array data. <i>Genome Research</i> , 2011, 21, 276-285.	2.4	60
1094	Deficiency of X-Linked Inverted Duplicates with Male-Biased Expression and the Underlying Evolutionary Mechanisms in the <i>Drosophila</i> Genome. <i>Molecular Biology and Evolution</i> , 2011, 28, 2823-2832.	3.5	2
1095	Circulating MicroRNAs: Potential Biomarkers for Cancer. <i>International Journal of Molecular Sciences</i> , 2011, 12, 2055-2063.	1.8	86
1096	Identification and analysis of seven H ₂ O ₂ -responsive miRNAs and 32 new miRNAs in the seedlings of rice (<i>Oryza sativa</i> L. ssp. <i>indica</i>). <i>Nucleic Acids Research</i> , 2011, 39, 2821-2833.	6.5	218
1097	Emerging Evidence for MicroRNAs as Regulators of Cancer Stem Cells. <i>Cancers</i> , 2011, 3, 3957-3971.	1.7	9
1098	Construction and Analysis of an Integrated Regulatory Network Derived from High-Throughput Sequencing Data. <i>PLoS Computational Biology</i> , 2011, 7, e1002190.	1.5	92
1099	Measuring the Evolutionary Rewiring of Biological Networks. <i>PLoS Computational Biology</i> , 2011, 7, e1001050.	1.5	96
1100	Specific sequence determinants of miR-15/107 microRNA gene group targets. <i>Nucleic Acids Research</i> , 2011, 39, 8163-8172.	6.5	49
1101	SeqTar: an effective method for identifying microRNA guided cleavage sites from degradome of polyadenylated transcripts in plants. <i>Nucleic Acids Research</i> , 2012, 40, e28-e28.	6.5	94
1102	The MicroRNA mir-71 Inhibits Calcium Signaling by Targeting the TIR-1/Sarm1 Adaptor Protein to Control Stochastic L/R Neuronal Asymmetry in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2012, 8, e1002864.	1.5	55
1103	Identification and Characterization of MicroRNAs from Barley (<i>Hordeum vulgare</i> L.) by High-Throughput Sequencing. <i>International Journal of Molecular Sciences</i> , 2012, 13, 2973-2984.	1.8	80
1104	Dose-dependent differential mRNA target selection and regulation by let-7a-7f and miR-17-92 cluster microRNAs. <i>RNA Biology</i> , 2012, 9, 1275-1287.	1.5	73
1105	A New Strategy for Identification of Highly Conserved microRNAs in Non-Model Insect, <i>Spodoptera litura</i> . <i>International Journal of Molecular Sciences</i> , 2012, 13, 612-627.	1.8	7

#	ARTICLE	IF	CITATIONS
1106	The Viral and Cellular MicroRNA Targetome in Lymphoblastoid Cell Lines. <i>PLoS Pathogens</i> , 2012, 8, e1002484.	2.1	321
1107	A Role for microRNA-155 Modulation in the Anti-HIV-1 Effects of Toll-Like Receptor 3 Stimulation in Macrophages. <i>PLoS Pathogens</i> , 2012, 8, e1002937.	2.1	107
1108	Give It AGO: The Search for miRNA-Argonaute Sorting Signals in <i>Arabidopsis thaliana</i> Indicates a Relevance of Sequence Positions Other than the 5' Position Alone. <i>Frontiers in Plant Science</i> , 2012, 3, 272.	1.7	25
1109	Non-Coding RNAs in Retinal Development. <i>International Journal of Molecular Sciences</i> , 2012, 13, 558-578.	1.8	32
1110	Identification and Characterization of Argonaute Protein, Ago2 and Its Associated Small RNAs in <i>Schistosoma japonicum</i> . <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1745.	1.3	23
1111	Comparative analysis of human and mouse expression data illuminates tissue-specific evolutionary patterns of miRNAs. <i>Nucleic Acids Research</i> , 2012, 40, 5890-5900.	6.5	48
1112	Deep Annotation of <i>Populus trichocarpa</i> microRNAs from Diverse Tissue Sets. <i>PLoS ONE</i> , 2012, 7, e33034.	1.1	63
1113	Zcchc11 Uridylates Mature miRNAs to Enhance Neonatal IGF-1 Expression, Growth, and Survival. <i>PLoS Genetics</i> , 2012, 8, e1003105.	1.5	49
1114	miR-200c regulates FGFR-dependent epithelial proliferation via Vldlr during submandibular gland branching morphogenesis. <i>Development (Cambridge)</i> , 2012, 139, 191-202.	1.2	52
1115	MiR-106b and MiR-15b Modulate Apoptosis and Angiogenesis in Myocardial Infarction. <i>Cellular Physiology and Biochemistry</i> , 2012, 29, 851-862.	1.1	87
1116	Bone Morphogenetic Protein-2 Decreases MicroRNA-30b and MicroRNA-30c to Promote Vascular Smooth Muscle Cell Calcification. <i>Journal of the American Heart Association</i> , 2012, 1, e003905.	1.6	130
1117	Origins and Evolution of MicroRNA Genes in Plant Species. <i>Genome Biology and Evolution</i> , 2012, 4, 230-239.	1.1	231
1118	Structural bias in T4 RNA ligase-mediated 3' adapter ligation. <i>Nucleic Acids Research</i> , 2012, 40, e54-e54.	6.5	170
1119	Regulation of multiple target genes by miR-1 and miR-206 is pivotal for C2C12 myoblast differentiation. <i>Journal of Cell Science</i> , 2012, 125, 3590-3600.	1.2	117
1120	Deep-sequencing of endothelial cells exposed to hypoxia reveals the complexity of known and novel microRNAs. <i>Rna</i> , 2012, 18, 472-484.	1.6	121
1121	miR-125 potentiates early neural specification of human embryonic stem cells. <i>Development (Cambridge)</i> , 2012, 139, 1247-1257.	1.2	106
1122	IGDB.NSCLC: integrated genomic database of non-small cell lung cancer. <i>Nucleic Acids Research</i> , 2012, 40, D972-D977.	6.5	23
1123	A fast ab-initio method for predicting miRNA precursors in genomes. <i>Nucleic Acids Research</i> , 2012, 40, e80-e80.	6.5	50

#	ARTICLE	IF	CITATIONS
1124	A novel source for miR-21 expression through the alternative polyadenylation of VMP1 gene transcripts. <i>Nucleic Acids Research</i> , 2012, 40, 6821-6833.	6.5	79
1125	Characterization of NOL7 Gene Point Mutations, Promoter Methylation, and Protein Expression in Cervical Cancer. <i>International Journal of Gynecological Pathology</i> , 2012, 31, 15-24.	0.9	9
1126	An integrative genomic approach identifies p73 and p63 as activators of miR-200 microRNA family transcription. <i>Nucleic Acids Research</i> , 2012, 40, 499-510.	6.5	67
1127	Intestinal epithelial CD98 synthesis specifically modulates expression of colonic microRNAs during colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, G1282-G1291.	1.6	11
1128	Cell-free Circulating miRNA Biomarkers in Cancer. <i>Journal of Cancer</i> , 2012, 3, 432-448.	1.2	135
1129	Small RNA Profiling in Two <i>Brassica napus</i> Cultivars Identifies MicroRNAs with Oil Production- and Development-Related Expression and New Small RNA Classes. <i>Plant Physiology</i> , 2012, 158, 813-823.	2.3	111
1130	DNA Methylation Rebalances Gene Dosage after Mammalian Gene Duplications. <i>Molecular Biology and Evolution</i> , 2012, 29, 133-144.	3.5	50
1131	MiR-365 regulates lung cancer and developmental gene thyroid transcription factor 1. <i>Cell Cycle</i> , 2012, 11, 177-186.	1.3	74
1132	Unexpected Diversity and Expression of Avian Endogenous Retroviruses. <i>MBio</i> , 2012, 3, e00344-12.	1.8	49
1133	Molecular basis of differential target regulation by miR-96 and miR-182: the Glypican-3 as a model. <i>Nucleic Acids Research</i> , 2012, 40, 1356-1365.	6.5	45
1134	RIP-chip-SRM—a new combinatorial large-scale approach identifies a set of translationally regulated bantam/miR-58 targets in <i>C. elegans</i> . <i>Genome Research</i> , 2012, 22, 1360-1371.	2.4	18
1135	Identification of links between small molecules and miRNAs in human cancers based on transcriptional responses. <i>Scientific Reports</i> , 2012, 2, 282.	1.6	72
1136	Emerging Roles of MicroRNA-22 in Human Disease and Normal Physiology. <i>Current Molecular Medicine</i> , 2012, 12, 247-258.	0.6	47
1137	Drastic expression change of transposon-derived piRNA-like RNAs and microRNAs in early stages of chicken embryos implies a role in gastrulation. <i>RNA Biology</i> , 2012, 9, 212-227.	1.5	39
1138	Potential MiRNAs recognition site identification in 3' UTR regions by DSP methods. , 2012, 2012, 5558-61.		0
1139	Integrative Survival-Based Molecular Profiling of Human Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2012, 18, 1352-1363.	3.2	212
1140	Transcriptome-wide analysis of small RNA expression in early zebrafish development. <i>Rna</i> , 2012, 18, 915-929.	1.6	84
1141	MAGIA2: from miRNA and genes expression data integrative analysis to microRNA-transcription factor mixed regulatory circuits (2012 update). <i>Nucleic Acids Research</i> , 2012, 40, W13-W21.	6.5	110

#	ARTICLE	IF	CITATIONS
1142	Novel and Alternative Bioinformatics Approaches to Understand miRNA-mRNA Interactome in Cancer Research. , 2012, , 267-288.		0
1143	Why Are Genetics Important for Nutrition? Lessons from Epigenetic Research. <i>Annals of Nutrition and Metabolism</i> , 2012, 60, 38-43.	1.0	34
1144	Role of variations within microRNA-binding sites in cancer. <i>Mutagenesis</i> , 2012, 27, 205-210.	1.0	44
1145	Identification of miRNAs in sorghum by using bioinformatics approach. <i>Plant Signaling and Behavior</i> , 2012, 7, 246-259.	1.2	38
1146	microRNA-301a regulation of a T-helper 17 immune response controls autoimmune demyelination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1248-57.	3.3	173
1147	Circulating miRNA profiling to identify biomarkers of dysmetabolism. <i>Biomarkers in Medicine</i> , 2012, 6, 729-742.	0.6	13
1148	Cutting Edge: A Variant of the <i>IL-23R</i> Gene Associated with Inflammatory Bowel Disease Induces Loss of MicroRNA Regulation and Enhanced Protein Production. <i>Journal of Immunology</i> , 2012, 188, 1573-1577.	0.4	110
1149	MicroRNAs 125a and 455 Repress Lipoprotein-Supported Steroidogenesis by Targeting Scavenger Receptor Class B Type I in Steroidogenic Cells. <i>Molecular and Cellular Biology</i> , 2012, 32, 5035-5045.	1.1	102
1150	O-miner: an integrative platform for automated analysis and mining of -omics data. <i>Nucleic Acids Research</i> , 2012, 40, W560-W568.	6.5	10
1151	Genome-wide identification of <i>Brassica napus</i> microRNAs and their targets in response to cadmium. <i>Journal of Experimental Botany</i> , 2012, 63, 4597-4613.	2.4	181
1152	Transcription Factors Are Targeted by Differentially Expressed miRNAs in Primates. <i>Genome Biology and Evolution</i> , 2012, 4, 552-564.	1.1	30
1153	MicroRNAs in Amoebozoa: Deep sequencing of the small RNA population in the social amoeba <i>Dictyostelium discoideum</i> reveals developmentally regulated microRNAs. <i>Rna</i> , 2012, 18, 1771-1782.	1.6	42
1154	Semirna: Searching for Plant miRNAs Using Target Sequences. <i>OMICS A Journal of Integrative Biology</i> , 2012, 16, 168-177.	1.0	17
1155	Comprehensive Functional Analyses of Expressed Sequence Tags in Common Wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314rgBT /Oyerlock 10	1.5	46
1156	The architecture of the gene regulatory networks of different tissues. <i>Bioinformatics</i> , 2012, 28, i509-i514.	1.8	24
1157	Integrative Analysis in Oral Squamous Cell Carcinoma Reveals DNA Copy Number-Associated miRNAs Dysregulating Target Genes. <i>Otolaryngology - Head and Neck Surgery</i> , 2012, 147, 501-508.	1.1	17
1158	MicroRNA Transgene Overexpression Complements Deficiency-Based Modifier Screens in <i>Drosophila</i> . <i>Genetics</i> , 2012, 190, 617-626.	1.2	30
1159	Differential association of microRNAs with polysomes reflects distinct strengths of interactions with their mRNA targets. <i>Rna</i> , 2012, 18, 1612-1623.	1.6	22

#	ARTICLE	IF	CITATIONS
1160	Regulated Expression of Chromobox Homolog 5 Revealed in Tumors of ApcMin/+ ROSA11 Gene Trap Mice. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 569-578.	0.8	4
1161	Deep Sequencing from hen1 Mutants to Identify Small RNA 3' Modifications. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2012, 77, 213-219.	2.0	8
1162	MicroRNA Regulation of Cholesterol Metabolism. <i>Cholesterol</i> , 2012, 2012, 1-8.	1.6	63
1163	MicroRNA-204 regulates vascular smooth muscle cell calcification in vitro and in vivo. <i>Cardiovascular Research</i> , 2012, 96, 320-329.	1.8	152
1164	Approximating the set of local minima in partial RNA folding landscapes. <i>Bioinformatics</i> , 2012, 28, 523-530.	1.8	5
1165	Contributions of mRNA abundance, ribosome loading, and post- or peri-translational effects to temporal repression of <i>C. elegans</i> heterochronic miRNA targets. <i>Genome Research</i> , 2012, 22, 2418-2426.	2.4	56
1166	Short- and long-term changes in blood miRNA levels after nanogold injection in rats—potential biomarkers of nanoparticle exposure. <i>Biomarkers</i> , 2012, 17, 750-757.	0.9	25
1167	Lengthening of 3'UTR increases with morphological complexity in animal evolution. <i>Bioinformatics</i> , 2012, 28, 3178-3181.	1.8	45
1168	MicroRNA regulation via DNA methylation during the morula to blastocyst transition in mice. <i>Molecular Human Reproduction</i> , 2012, 18, 184-193.	1.3	17
1169	Transcriptome-Wide Characterization of miRNA-Directed and Non-miRNA-Directed Endonucleolytic Cleavage Using Degradome Analysis Under Low Ambient Temperature in <i>Phalaenopsis aphrodite</i> subsp. <i>formosana</i> . <i>Plant and Cell Physiology</i> , 2012, 53, 1737-1750.	1.5	29
1170	MicroRNAs in hematological malignancies: a novel approach to targeted therapy. <i>Hematology</i> , 2012, 17, 170-175.	0.7	9
1171	Genomic Sequence Analysis of EGFR Regulation by MicroRNAs in Lung Cancer. <i>Current Topics in Medicinal Chemistry</i> , 2012, 12, 920-926.	1.0	41
1172	Myelin Basic Protein synthesis is regulated by small non-coding RNA 715. <i>EMBO Reports</i> , 2012, 13, 827-834.	2.0	31
1173	Building a Robust A-P Axis. <i>Current Genomics</i> , 2012, 13, 278-288.	0.7	11
1174	Plasma Levels of Liver-Specific miR-122 Is Massively Increased in a Porcine Cardiogenic Shock Model and Attenuated by Hypothermia. <i>Shock</i> , 2012, 37, 234-238.	1.0	50
1175	Global microRNA level regulation of EGFR-driven cell-cycle protein network in breast cancer. <i>Molecular Systems Biology</i> , 2012, 8, 570.	3.2	184
1176	Accurate microRNA Target Prediction Using Detailed Binding Site Accessibility and Machine Learning on Proteomics Data. <i>Frontiers in Genetics</i> , 2012, 2, 103.	1.1	31
1177	miR-125b Targets ARID3B in Breast Cancer Cells. <i>Cell Structure and Function</i> , 2012, 37, 27-38.	0.5	44

#	ARTICLE	IF	CITATIONS
1178	Computational methods for ab initio detection of microRNAs. <i>Frontiers in Genetics</i> , 2012, 3, 209.	1.1	32
1179	IRES-Dependent Translational Control during Virus-Induced Endoplasmic Reticulum Stress and Apoptosis. <i>Frontiers in Microbiology</i> , 2012, 3, 92.	1.5	30
1180	dsRNA expression in the mouse elicits RNAi in oocytes and low adenosine deamination in somatic cells. <i>Nucleic Acids Research</i> , 2012, 40, 399-413.	6.5	43
1181	Current strategies for microRNA research. <i>Modern Rheumatology</i> , 2012, 22, 645-653.	0.9	12
1182	MicroRNAfold: pre-microRNA secondary structure prediction based on modified NCM model with thermodynamics-based scoring strategy. <i>International Journal of Data Mining and Bioinformatics</i> , 2012, 6, 272.	0.1	6
1183	Eri1 regulates microRNA homeostasis and mouse lymphocyte development and antiviral function. <i>Blood</i> , 2012, 120, 130-142.	0.6	61
1184	A MicroRNA Superfamily Regulates Nucleotide Binding Site- <i>Leucine-Rich Repeats</i> and Other mRNAs. <i>Plant Cell</i> , 2012, 24, 859-874.	3.1	697
1185	One-Step, Multiplexed Fluorescence Detection of microRNAs Based on Duplex-Specific Nuclease Signal Amplification. <i>Journal of the American Chemical Society</i> , 2012, 134, 5064-5067.	6.6	473
1186	Computational analysis of functional long noncoding RNAs reveals lack of peptide-coding capacity and parallels with 3' UTRs. <i>Rna</i> , 2012, 18, 825-843.	1.6	194
1187	MMpred: functional miRNA-mRNA interaction analyses by miRNA expression prediction. <i>BMC Genomics</i> , 2012, 13, 620.	1.2	10
1188	Distinctive expression patterns and roles of the miRNA393/TIR1 homolog module in regulating flag leaf inclination and primary and crown root growth in rice (<i>Oryza sativa</i>). <i>New Phytologist</i> , 2012, 196, 149-161.	3.5	209
1189	The MicroRNA Regulatory Network in Normal- and HTLV-1-Transformed T Cells. <i>Advances in Cancer Research</i> , 2012, 113, 45-83.	1.9	6
1190	MicroRNA-195 plays a tumor-suppressor role in human glioblastoma cells by targeting signaling pathways involved in cellular proliferation and invasion. <i>Neuro-Oncology</i> , 2012, 14, 278-287.	0.6	83
1191	The Rectal Cancer microRNAome-microRNA Expression in Rectal Cancer and Matched Normal Mucosa. <i>Clinical Cancer Research</i> , 2012, 18, 4919-4930.	3.2	174
1192	Quantitative proteomic strategies for the identification of microRNA targets. <i>Expert Review of Proteomics</i> , 2012, 9, 549-559.	1.3	22
1193	BRCA1 and MicroRNAs: Emerging Networks and Potential Therapeutic Targets. <i>Molecules and Cells</i> , 2012, 34, 425-432.	1.0	46
1194	Joint Bayesian inference of condition-specific miRNA and transcription factor activities from combined gene and microRNA expression data. <i>Bioinformatics</i> , 2012, 28, 1714-1720.	1.8	25
1195	Short-RNA selective binding of oligonucleotides modified using adenosine and guanosine derivatives that possess cyclohexylphosphates as substituents. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 994-1006.	1.5	5

#	ARTICLE	IF	CITATIONS
1196	microRNAs in skeletal muscle differentiation and disease. <i>Clinical Science</i> , 2012, 123, 611-625.	1.8	75
1197	Feedback networks between microRNAs and epigenetic modifications in urological tumors. <i>Epigenetics</i> , 2012, 7, 315-325.	1.3	30
1198	Genome sequences of wild and domestic bactrian camels. <i>Nature Communications</i> , 2012, 3, 1202.	5.8	176
1199	Introduction to miRNA Profiling Technologies and Cross-Platform Comparison. <i>Methods in Molecular Biology</i> , 2012, 822, 19-31.	0.4	34
1200	Functional Characterization of <i>Drosophila</i> microRNAs by a Novel <i>in Vivo</i> Library. <i>Genetics</i> , 2012, 192, 1543-1552.	1.2	45
1201	Downregulation of miR-101 in gastric cancer correlates with cyclooxygenase-2 overexpression and tumor growth. <i>FEBS Journal</i> , 2012, 279, 4201-4212.	2.2	92
1202	MicroRNA-Based Therapeutic Approaches in the Cardiovascular System. <i>Cardiovascular Therapeutics</i> , 2012, 30, e9-e15.	1.1	11
1203	One Decade of Development and Evolution of MicroRNA Target Prediction Algorithms. <i>Genomics, Proteomics and Bioinformatics</i> , 2012, 10, 254-263.	3.0	42
1204	Are all the miRBase-registered microRNAs true?. <i>RNA Biology</i> , 2012, 9, 249-253.	1.5	56
1205	Quantitative Analysis of miRNA Expression in Epithelial Cells and Tissues. <i>Methods in Molecular Biology</i> , 2012, 820, 55-70.	0.4	8
1206	Enhanced RAD21 cohesin expression confers poor prognosis in BRCA2 and BRCA1, but not BRCA1 familial breast cancers. <i>Breast Cancer Research</i> , 2012, 14, R69.	2.2	45
1208	Triple-Helical Recognition of RNA Using 2-Aminopyridine-Modified PNA at Physiologically Relevant Conditions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12593-12596.	7.2	85
1209	Genome-wide analysis of microRNAs in rubber tree (<i>Hevea brasiliensis</i> L.) using high-throughput sequencing. <i>Planta</i> , 2012, 236, 437-445.	1.6	41
1210	Organ-specific testosterone-insensitive response of miRNA expression of C57BL/6 mice to Plasmodium chabaudi malaria. <i>Parasitology Research</i> , 2012, 111, 1093-1101.	0.6	21
1211	Identification and Validation of Potential Conserved microRNAs and Their Targets in Peach (<i>Prunus</i>)	1.0	23
1212	Novel miRNAs in the control of arsenite levels in rice. <i>Functional and Integrative Genomics</i> , 2012, 12, 649-658.	1.4	21
1213	Distinctive microRNA profiles in the salivary glands of <i>Haemaphysalis longicornis</i> related to tick blood-feeding. <i>Experimental and Applied Acarology</i> , 2013, 59, 339-49.	0.7	27
1214	Global alteration of microRNAs and transposon-derived small RNAs in cotton (<i>Gossypium hirsutum</i>) during Cotton leafroll dwarf polerovirus (CLRDV) infection. <i>Plant Molecular Biology</i> , 2012, 80, 443-460.	2.0	46

#	ARTICLE	IF	CITATIONS
1215	Memetic algorithms for de novo motif-finding in biomedical sequences. <i>Artificial Intelligence in Medicine</i> , 2012, 56, 1-17.	3.8	3
1216	Systematic analysis revealed better performance of random forest algorithm coupled with complex network features in predicting microRNA precursors. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 118, 317-323.	1.8	7
1217	Circulating microRNAs as novel and sensitive biomarkers of acute myocardial Infarction. <i>Clinical Biochemistry</i> , 2012, 45, 727-732.	0.8	110
1218	<i>Drosophila</i> miR-5 suppresses Hedgehog signaling by directly targeting Smoothed. <i>FEBS Letters</i> , 2012, 586, 4052-4060.	1.3	7
1219	Differential expression of miRNAs in rhabdomyosarcoma and malignant rhabdoid tumor. <i>Experimental Cell Research</i> , 2012, 318, 2567-2577.	1.2	21
1220	Barcoded cDNA library preparation for small RNA profiling by next-generation sequencing. <i>Methods</i> , 2012, 58, 164-170.	1.9	114
1221	Prediction of miRNA in HIV-1 genome and its targets through artificial neural network: a bioinformatics approach. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2012, 1, 141-151.	1.2	8
1222	In Silico Identification of OncomiRs in Different Cancer Types. <i>Journal of the Institution of Engineers (India): Series B</i> , 2012, 93, 15-23.	1.3	1
1223	Research Progress in Digging and Validation of miRNA Target Genes Using Experimental Methods. <i>The Journal of Northeast Agricultural University</i> , 2012, 19, 86-96.	0.1	0
1224	RWRMDA: predicting novel human microRNA-disease associations. <i>Molecular BioSystems</i> , 2012, 8, 2792.	2.9	389
1225	Recognizing drosha processing sites by a two-step prediction model with structure and sequence information. , 2012, , .		1
1226	Clarifying Omics Concepts, Challenges, and Opportunities for <i>Prunus</i> Breeding in the Postgenomic Era. <i>OMICS A Journal of Integrative Biology</i> , 2012, 16, 268-283.	1.0	32
1227	Human encoded miRNAs that regulate the influenza virus genome. , 2012, , .		2
1228	Influence of pre-mirna compositional properties on RISC complex recruitment and target selection. , 2012, , .		1
1229	Creating mass signatures for the detection of microRNA. <i>Analytical Methods</i> , 2012, 4, 3453.	1.3	9
1230	Effective clustering of microRNA sequences by N-grams and feature weighting. , 2012, , .		2
1231	Small RNA Deep Sequencing Identifies MicroRNAs and Other Small Noncoding RNAs from Human Herpesvirus 6B. <i>Journal of Virology</i> , 2012, 86, 1638-1649.	1.5	55
1232	Development of Plasmid Calibrators for Absolute Quantification of miRNAs by Using Real-Time qPCR. <i>Journal of Molecular Diagnostics</i> , 2012, 14, 314-321.	1.2	9

#	ARTICLE	IF	CITATIONS
1233	Effective Small RNA Destruction by the Expression of a Short Tandem Target Mimic in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 415-427.	3.1	353
1234	Differential expression patterns of growth-related microRNAs in the skeletal muscle of Nile tilapia (<i>Oreochromis niloticus</i>). <i>Journal of Animal Science</i> , 2012, 90, 4266-4279.	0.2	81
1235	Identification of microRNA-regulated gene networks by expression analysis of target genes. <i>Genome Research</i> , 2012, 22, 1163-1172.	2.4	165
1236	MiRANN: A reliable approach for improved classification of precursor microRNA using Artificial Neural Network model. <i>Genomics</i> , 2012, 99, 189-194.	1.3	34
1237	Relax with CouchDB – Into the non-relational DBMS era of bioinformatics. <i>Genomics</i> , 2012, 100, 1-7.	1.3	32
1238	Deep sequencing of small RNAs confirms an annelid affinity of Myzostomida. <i>Molecular Phylogenetics and Evolution</i> , 2012, 64, 198-203.	1.2	28
1239	Small RNAs as Potential Platelet Therapeutics. <i>Handbook of Experimental Pharmacology</i> , 2012, , 435-445.	0.9	7
1240	Respiratory syncytial virus modifies microRNAs regulating host genes that affect virus replication. <i>Journal of General Virology</i> , 2012, 93, 2346-2356.	1.3	90
1241	MicroRNA profiling of hepatocarcinogenesis identifies C19MC cluster as a novel prognostic biomarker in hepatocellular carcinoma. <i>Liver International</i> , 2012, 32, 772-782.	1.9	89
1242	MicroRNAs and their diverse functions in plants. <i>Plant Molecular Biology</i> , 2012, 80, 17-36.	2.0	272
1243	N-myc and Noncoding RNAs in Neuroblastoma. <i>Molecular Cancer Research</i> , 2012, 10, 1243-1253.	1.5	59
1244	Comparative transcriptome analysis of transporters, phytohormone and lipid metabolism pathways in response to arsenic stress in rice (<i>Oryza sativa</i>). <i>New Phytologist</i> , 2012, 195, 97-112.	3.5	193
1245	Identification and Analyses of miRNA Genes in Allotetraploid <i>Gossypium hirsutum</i> Fiber Cells Based on the Sequenced Diploid <i>G. Araimondii</i> Genome. <i>Journal of Genetics and Genomics</i> , 2012, 39, 351-360.	1.7	31
1246	Isolation of miRNAs that target EGFR mRNA in human lung cancer. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 411-416.	1.0	25
1247	Perturbation of 14q32 miRNAs-cMYC gene network in osteosarcoma. <i>Bone</i> , 2012, 50, 171-181.	1.4	122
1248	MicroRNA profiling with correlation to gene expression revealed the oncogenic miR-17-92 cluster to be up-regulated in osteosarcoma. <i>Cancer Genetics</i> , 2012, 205, 212-219.	0.2	60
1249	miR-495 and miR-551a inhibit the migration and invasion of human gastric cancer cells by directly interacting with PRL-3. <i>Cancer Letters</i> , 2012, 323, 41-47.	3.2	100
1250	Inferring functional miRNA-mRNA regulatory modules in epithelial-mesenchymal transition with a probabilistic topic model. <i>Computers in Biology and Medicine</i> , 2012, 42, 428-437.	3.9	8

#	ARTICLE	IF	CITATIONS
1251	Screening for cancer associated MiRNAs through co-gene, co-function and co-pathway analysis. <i>Computers in Biology and Medicine</i> , 2012, 42, 624-630.	3.9	2
1252	Identification and validation of Asteraceae miRNAs by the expressed sequence tag analysis. <i>Gene</i> , 2012, 493, 253-259.	1.0	15
1253	Identification and characterization of microRNAs and their target genes in <i>Brassica oleracea</i> . <i>Gene</i> , 2012, 505, 300-308.	1.0	68
1254	Temporal- and Strain-Specific Host MicroRNA Molecular Signatures Associated with Swine-Origin H1N1 and Avian-Origin H7N7 Influenza A Virus Infection. <i>Journal of Virology</i> , 2012, 86, 6109-6122.	1.5	90
1255	MicroRNA 26b encoded by the intron of small CTD phosphatase (SCP) 1 has an antagonistic effect on its host gene. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 3455-3465.	1.2	19
1256	MicroRNAs: Possible role in pathogenesis of Parkinson's disease. <i>Biochemistry (Moscow)</i> , 2012, 77, 813-819.	0.7	34
1257	Bioinformatics resource manager v2.3: an integrated software environment for systems biology with microRNA and cross-species analysis tools. <i>BMC Bioinformatics</i> , 2012, 13, 311.	1.2	21
1258	miRTrail - a comprehensive webserver for analyzing gene and miRNA patterns to enhance the understanding of regulatory mechanisms in diseases. <i>BMC Bioinformatics</i> , 2012, 13, 36.	1.2	36
1259	Differential expression patterns of conserved miRNAs and isomiRs during Atlantic halibut development. <i>BMC Genomics</i> , 2012, 13, 11.	1.2	80
1260	Transcriptome-wide identification and characterization of miRNAs from <i>Pinus densata</i> . <i>BMC Genomics</i> , 2012, 13, 132.	1.2	68
1261	Comprehensive transcriptome analysis reveals novel genes involved in cardiac glycoside biosynthesis and miRNAs associated with secondary metabolism and stress response in <i>Digitalis purpurea</i> . <i>BMC Genomics</i> , 2012, 13, 15.	1.2	69
1262	MicroRNA-mRNA interactions in a murine model of hyperoxia-induced bronchopulmonary dysplasia. <i>BMC Genomics</i> , 2012, 13, 204.	1.2	62
1263	Transcripts with in silico predicted RNA structure are enriched everywhere in the mouse brain. <i>BMC Genomics</i> , 2012, 13, 214.	1.2	12
1264	Large-scale analysis of microRNA evolution. <i>BMC Genomics</i> , 2012, 13, 218.	1.2	52
1265	Integrated analysis of microRNA expression and mRNA transcriptome in lungs of avian influenza virus infected broilers. <i>BMC Genomics</i> , 2012, 13, 278.	1.2	99
1266	Identification of soybean seed developmental stage-specific and tissue-specific miRNA targets by degradome sequencing. <i>BMC Genomics</i> , 2012, 13, 310.	1.2	115
1267	Differential microRNA response to a high-cholesterol, high-fat diet in livers of low and high LDL-C baboons. <i>BMC Genomics</i> , 2012, 13, 320.	1.2	34
1268	Diversity in parasitic nematode genomes: the microRNAs of <i>Brugia pahangi</i> and <i>Haemonchus contortus</i> are largely novel. <i>BMC Genomics</i> , 2012, 13, 4.	1.2	76

#	ARTICLE	IF	CITATIONS
1269	Identification of common carp (<i>Cyprinus carpio</i>) microRNAs and microRNA-related SNPs. <i>BMC Genomics</i> , 2012, 13, 413.	1.2	50
1270	Profiling microRNAs in lung tissue from pigs infected with <i>Actinobacillus pleuropneumoniae</i> . <i>BMC Genomics</i> , 2012, 13, 459.	1.2	54
1271	Small RNA and transcriptome deep sequencing proffers insight into floral gene regulation in <i>Rosa</i> cultivars. <i>BMC Genomics</i> , 2012, 13, 657.	1.2	49
1272	Sculpting the maturation, softening and ethylene pathway: The influences of microRNAs on tomato fruits. <i>BMC Genomics</i> , 2012, 13, 7.	1.2	99
1273	Identification and characterization of small non-coding RNAs from Chinese fir by high throughput sequencing. <i>BMC Plant Biology</i> , 2012, 12, 146.	1.6	95
1274	Identification of novel microRNAs in <i>Hevea brasiliensis</i> and computational prediction of their targets. <i>BMC Plant Biology</i> , 2012, 12, 18.	1.6	47
1275	smRNAome profiling to identify conserved and novel microRNAs in <i>Stevia rebaudiana</i> Bertoni. <i>BMC Plant Biology</i> , 2012, 12, 197.	1.6	18
1276	Bioinformatic identification of cassava miRNAs differentially expressed in response to infection by <i>Xanthomonas axonopodis</i> pv. <i>manihotis</i> . <i>BMC Plant Biology</i> , 2012, 12, 29.	1.6	57
1277	Computational identification and experimental validation of microRNAs binding to the Alzheimer-related gene <i>ADAM10</i> . <i>BMC Medical Genetics</i> , 2012, 13, 35.	2.1	73
1278	MicroRNAs and hepatitis C virus: Toward the end of miR-122 supremacy. <i>Virology Journal</i> , 2012, 9, 109.	1.4	29
1279	OGRO: The Overview of functionally characterized Genes in Rice online database. <i>Rice</i> , 2012, 5, 26.	1.7	152
1280	The role of the 3' untranslated region in post-transcriptional regulation of protein expression in mammalian cells.. <i>RNA Biology</i> , 2012, 9, 563-576.	1.5	297
1281	Functional Specialization of the Plant miR396 Regulatory Network through Distinct MicroRNA-Target Interactions. <i>PLoS Genetics</i> , 2012, 8, e1002419.	1.5	192
1282	Stable changes in CD4+ T lymphocyte miRNA expression after exposure to HIV-1. <i>Blood</i> , 2012, 119, 6259-6267.	0.6	83
1283	Construction of baculovirus expression vector of miRNAs and its expression in insect cells. <i>Molecular Genetics, Microbiology and Virology</i> , 2012, 27, 85-90.	0.0	4
1284	Attenuation of the beta-catenin/TCF4 complex in colorectal cancer cells induces several growth-suppressive microRNAs that target cancer promoting genes. <i>Oncogene</i> , 2012, 31, 2750-2760.	2.6	66
1285	On-Line Resources for <i>Xenopus</i> . <i>Methods in Molecular Biology</i> , 2012, 917, 541-562.	0.4	0
1286	Biogenesis of Mammalian miRNA. , 2012, , 15-27.		2

#	ARTICLE	IF	CITATIONS
1287	Integrated Analysis of Gene Copy Number, Copy Neutral LOH, and microRNA Profiles in Adult Acute Lymphoblastic Leukemia. <i>Cytogenetic and Genome Research</i> , 2012, 136, 246-255.	0.6	15
1288	Epigenetics of Colorectal Cancer. <i>Gastroenterology</i> , 2012, 143, 1442-1460.e1.	0.6	209
1289	MicroRNA signature in patients with eosinophilic esophagitis, reversibility with glucocorticoids, and assessment as disease biomarkers. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 1064-1075.e9.	1.5	145
1290	miR-186, miR-216b, miR-337-3p, and miR-760 cooperatively induce cellular senescence by targeting $\hat{\iota}$ subunit of protein kinase CKII in human colorectal cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 429, 173-179.	1.0	106
1291	On topological indices for small RNA graphs. <i>Computational Biology and Chemistry</i> , 2012, 41, 35-40.	1.1	2
1292	AGO4 Regulates Entry into Meiosis and Influences Silencing of Sex Chromosomes in the Male Mouse Germline. <i>Developmental Cell</i> , 2012, 23, 251-264.	3.1	88
1293	Genome-wide identification and profiling of microRNA-like RNAs from <i>Metarhizium anisopliae</i> during development. <i>Fungal Biology</i> , 2012, 116, 1156-1162.	1.1	91
1294	Systematic investigation of <i>Amphioxus</i> (<i>Branchiostoma floridae</i>) microRNAs. <i>Gene</i> , 2012, 508, 110-116.	1.0	5
1295	Low microsatellite frequencies in neuron and brain expressed microRNAs. <i>Gene</i> , 2012, 508, 73-77.	1.0	2
1296	MicroRNAs in Common Human Diseases. <i>Genomics, Proteomics and Bioinformatics</i> , 2012, 10, 246-253.	3.0	314
1297	miRT: A Database of Validated Transcription Start Sites of Human MicroRNAs. <i>Genomics, Proteomics and Bioinformatics</i> , 2012, 10, 310-316.	3.0	26
1298	MicroRNAs in parasitic diseases: Potential for diagnosis and targeting. <i>Molecular and Biochemical Parasitology</i> , 2012, 186, 81-86.	0.5	81
1300	The accessible chromatin landscape of the human genome. <i>Nature</i> , 2012, 489, 75-82.	18.7	2,434
1301	Differential Expression of miRNAs in Colorectal Cancer: Comparison of Paired Tumor Tissue and Adjacent Normal Mucosa Using High-Throughput Sequencing. <i>PLoS ONE</i> , 2012, 7, e34150.	1.1	142
1302	MIRNA Genes Constitute New Targets for Microsatellite Instability in Colorectal Cancer. <i>PLoS ONE</i> , 2012, 7, e31862.	1.1	37
1303	Regulation of iron homeostasis by microRNAs. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3945-3952.	2.4	23
1304	The Repertoire and Features of Human Platelet microRNAs. <i>PLoS ONE</i> , 2012, 7, e50746.	1.1	189
1305	Screening for miRNA Expression Changes Using Quantitative PCR (Q-PCR). <i>Methods in Molecular Biology</i> , 2012, 863, 293-302.	0.4	3

#	ARTICLE	IF	CITATIONS
1306	Genomewide analysis of intronic microRNAs in rice and Arabidopsis. <i>Journal of Genetics</i> , 2012, 91, 313-324.	0.4	36
1307	Modeling the relative relationship of transcription factor binding and histone modifications to gene expression levels in mouse embryonic stem cells. <i>Nucleic Acids Research</i> , 2012, 40, 553-568.	6.5	145
1308	Stability of miRNA 5' terminal and seed regions is correlated with experimentally observed miRNA-mediated silencing efficacy. <i>Scientific Reports</i> , 2012, 2, 996.	1.6	64
1309	Derivative scores from site accessibility and ranking of miRNA target predictions. <i>International Journal of Bioinformatics Research and Applications</i> , 2012, 8, 171.	0.1	3
1310	microRNA expression signature in skeletal muscle of Nile tilapia. <i>Aquaculture</i> , 2012, 364-365, 240-246.	1.7	24
1311	Recent progress in microRNA study: Benefits from technique advance. <i>Science China Life Sciences</i> , 2012, 55, 649-650.	2.3	4
1312	Identification and characterization of microRNA from chicken adipose tissue and skeletal muscle. <i>Poultry Science</i> , 2012, 91, 139-149.	1.5	46
1313	Classification of the Four Main Types of Lung Cancer Using a MicroRNA-Based Diagnostic Assay. <i>Journal of Molecular Diagnostics</i> , 2012, 14, 510-517.	1.2	107
1314	Sample Preparation for Small RNA Massive Parallel Sequencing. <i>Methods in Molecular Biology</i> , 2012, 786, 167-178.	0.4	2
1315	Convergent repression of Foxp2 3' UTR by miR-9 and miR-132 in embryonic mouse neocortex: implications for radial migration of neurons. <i>Development (Cambridge)</i> , 2012, 139, 3332-3342.	1.2	125
1316	Methylation of tumor suppressor microRNAs: lessons from lymphoid malignancies. <i>Expert Review of Molecular Diagnostics</i> , 2012, 12, 755-765.	1.5	14
1317	Insect MicroRNAs. , 2012, , 30-56.		22
1318	Differential combinatorial regulatory network analysis related to venous metastasis of hepatocellular carcinoma. <i>BMC Genomics</i> , 2012, 13, S14.	1.2	43
1319	A computational tool for the design of live attenuated virus vaccine based on microRNA-mediated gene silencing. <i>BMC Genomics</i> , 2012, 13, S15.	1.2	8
1320	C-mii: a tool for plant miRNA and target identification. <i>BMC Genomics</i> , 2012, 13, S16.	1.2	51
1321	Identification of miRNAs and their targets from Brassica napus by high-throughput sequencing and degradome analysis. <i>BMC Genomics</i> , 2012, 13, 421.	1.2	66
1322	The regulatory effect of miRNAs is a heritable genetic trait in humans. <i>BMC Genomics</i> , 2012, 13, 383.	1.2	23
1323	Comprehensive microRNA profiling in B-cells of human centenarians by massively parallel sequencing. <i>BMC Genomics</i> , 2012, 13, 353.	1.2	69

#	ARTICLE	IF	CITATIONS
1324	Regulation of colony stimulating factor-1 expression and ovarian cancer cell behavior in vitro by miR-128 and miR-152. <i>Molecular Cancer</i> , 2012, 11, 58.	7.9	54
1325	miR-146a, an IL-1 β responsive miRNA, induces vascular endothelial growth factor and chondrocyte apoptosis by targeting Smad4. <i>Arthritis Research and Therapy</i> , 2012, 14, R75.	1.6	139
1326	A Novel YY1-miR-1 Regulatory Circuit in Skeletal Myogenesis Revealed by Genome-Wide Prediction of YY1-miRNA Network. <i>PLoS ONE</i> , 2012, 7, e27596.	1.1	88
1327	DISC1 Conditioned GWAS for Psychosis Proneness in a Large Finnish Birth Cohort. <i>PLoS ONE</i> , 2012, 7, e30643.	1.1	22
1328	Microbial Pattern Recognition Causes Distinct Functional Micro-RNA Signatures in Primary Human Monocytes. <i>PLoS ONE</i> , 2012, 7, e31151.	1.1	21
1329	Large-Scale Identification of Mirtrons in Arabidopsis and Rice. <i>PLoS ONE</i> , 2012, 7, e31163.	1.1	55
1330	Mass Homozygotes Accumulation in the NCI-60 Cancer Cell Lines As Compared to HapMap Trios, and Relation to Fragile Site Location. <i>PLoS ONE</i> , 2012, 7, e31628.	1.1	15
1331	Optimizing a Massive Parallel Sequencing Workflow for Quantitative miRNA Expression Analysis. <i>PLoS ONE</i> , 2012, 7, e31630.	1.1	36
1332	MicroRNAs Targeting Oncogenes Are Down-Regulated in Pancreatic Malignant Transformation from Benign Tumors. <i>PLoS ONE</i> , 2012, 7, e32068.	1.1	122
1333	Identification and Characterization of MicroRNAs in Asiatic Cotton (<i>Gossypium arboreum</i> L.). <i>PLoS ONE</i> , 2012, 7, e33696.	1.1	45
1334	Canonical A-to-I and C-to-U RNA Editing Is Enriched at 3'UTRs and microRNA Target Sites in Multiple Mouse Tissues. <i>PLoS ONE</i> , 2012, 7, e33720.	1.1	71
1335	A 3' UTR SNP in COL18A1 Is Associated with Susceptibility to HBV Related Hepatocellular Carcinoma in Chinese: Three Independent Case-Control Studies. <i>PLoS ONE</i> , 2012, 7, e33855.	1.1	7
1336	MicroRNA-22 Can Reduce Parathyrosin Expression in Transdifferentiated Hepatocytes. <i>PLoS ONE</i> , 2012, 7, e34116.	1.1	5
1337	Diagnosis of Pancreatic Ductal Adenocarcinoma and Chronic Pancreatitis by Measurement of microRNA Abundance in Blood and Tissue. <i>PLoS ONE</i> , 2012, 7, e34151.	1.1	106
1338	Cis-Acting Polymorphisms Affect Complex Traits through Modifications of MicroRNA Regulation Pathways. <i>PLoS ONE</i> , 2012, 7, e36694.	1.1	37
1339	Integrative miRNA-mRNA Profiling of Adipose Tissue Unravels Transcriptional Circuits Induced by Sleep Fragmentation. <i>PLoS ONE</i> , 2012, 7, e37669.	1.1	40
1340	Detection of Simultaneous Group Effects in MicroRNA Expression and Related Target Gene Sets. <i>PLoS ONE</i> , 2012, 7, e38365.	1.1	22
1341	miR-26b Promotes Granulosa Cell Apoptosis by Targeting ATM during Follicular Atresia in Porcine Ovary. <i>PLoS ONE</i> , 2012, 7, e38640.	1.1	106

#	ARTICLE	IF	CITATIONS
1342	Dre-miR-2188 Targets Nrp2a and Mediates Proper Intersegmental Vessel Development in Zebrafish Embryos. PLoS ONE, 2012, 7, e39417.	1.1	11
1343	Identification of Soybean MicroRNAs Involved in Soybean Cyst Nematode Infection by Deep Sequencing. PLoS ONE, 2012, 7, e39650.	1.1	116
1344	Novel MicroRNAs Differentially Expressed during Aging in the Mouse Brain. PLoS ONE, 2012, 7, e40028.	1.1	125
1345	miRNA-mRNA Correlation-Network Modules in Human Prostate Cancer and the Differences between Primary and Metastatic Tumor Subtypes. PLoS ONE, 2012, 7, e40130.	1.1	38
1346	A Least Angle Regression Model for the Prediction of Canonical and Non-Canonical miRNA-mRNA Interactions. PLoS ONE, 2012, 7, e40634.	1.1	20
1347	miRNA Regulation of Gene Expression: A Predictive Bioinformatics Analysis in the Postnatally Developing Monkey Hippocampus. PLoS ONE, 2012, 7, e43435.	1.1	13
1348	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
1349	Prenatal Exposure to TCDD Triggers Significant Modulation of microRNA Expression Profile in the Thymus That Affects Consequent Gene Expression. PLoS ONE, 2012, 7, e45054.	1.1	63
1350	Computational Analysis of mRNA Expression Profiles Identifies MicroRNA-29a/c as Predictor of Colorectal Cancer Early Recurrence. PLoS ONE, 2012, 7, e31587.	1.1	68
1351	Genome-Wide Identification of Reverse Complementary microRNA Genes in Plants. PLoS ONE, 2012, 7, e46991.	1.1	21
1352	The Inheritance Pattern of 24 nt siRNA Clusters in Arabidopsis Hybrids Is Influenced by Proximity to Transposable Elements. PLoS ONE, 2012, 7, e47043.	1.1	43
1353	Modeling the Role of Peroxisome Proliferator-Activated Receptor β and MicroRNA-146 in Mucosal Immune Responses to Clostridium difficile. PLoS ONE, 2012, 7, e47525.	1.1	30
1354	MicroRNA Prediction Using a Fixed-Order Markov Model Based on the Secondary Structure Pattern. PLoS ONE, 2012, 7, e48236.	1.1	28
1355	Expression of Small RNA in Aphis gossypii and Its Potential Role in the Resistance Interaction with Melon. PLoS ONE, 2012, 7, e48579.	1.1	40
1356	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
1357	Duplication of C7orf58, WNT16 and FAM3C in an Obese Female with a t(7;22)(q32.1;q11.2) Chromosomal Translocation and Clinical Features Resembling Coffin-Siris Syndrome. PLoS ONE, 2012, 7, e52353.	1.1	5
1358	Reverse Genetics Screen in Zebrafish Identifies a Role of miR-142a-3p in Vascular Development and Integrity. PLoS ONE, 2012, 7, e52588.	1.1	37
1359	Deep-Sequencing Protocols Influence the Results Obtained in Small-RNA Sequencing. PLoS ONE, 2012, 7, e32724.	1.1	31

#	ARTICLE	IF	CITATIONS
1360	Small RNA Expression Profiling by High-Throughput Sequencing: Implications of Enzymatic Manipulation. <i>Journal of Nucleic Acids</i> , 2012, 2012, 1-15.	0.8	37
1361	Transcriptional Gene Silencing (TGS) via the RNAi Machinery in HIV-1 Infections. <i>Biology</i> , 2012, 1, 339-369.	1.3	10
1362	Bioinformatic Resources of microRNA Sequences, Gene Targets, and Genetic Variation. <i>Frontiers in Genetics</i> , 2012, 3, 31.	1.1	17
1363	Cigarette Smoke Exposure-Associated Alterations to Non-Coding RNA. <i>Frontiers in Genetics</i> , 2012, 3, 53.	1.1	37
1364	Global Approaches to the Role of miRNAs in Drug-Induced Changes in Gene Expression. <i>Frontiers in Genetics</i> , 2012, 3, 109.	1.1	21
1365	Non-Coding RNAs Regulating Morphine Function: With Emphasis on the In vivo and In vitro Functions of miR-190. <i>Frontiers in Genetics</i> , 2012, 3, 113.	1.1	26
1366	PIWI Expression and Function in Cancer. <i>Frontiers in Genetics</i> , 2012, 3, 204.	1.1	110
1367	MicroRNA: A Bridge from H. pylori Infection to Gastritis and Gastric Cancer Development. <i>Frontiers in Genetics</i> , 2012, 3, 294.	1.1	45
1368	Complex role of microRNAs in HTLV-1 infections. <i>Frontiers in Genetics</i> , 2012, 3, 295.	1.1	17
1369	Mechanistic insights into the role of microRNAs in cancer: influence of nutrient crosstalk. <i>Frontiers in Genetics</i> , 2012, 3, 305.	1.1	35
1370	A Neuronal Transcriptome Response Involving Stress Pathways is Buffered by Neuronal microRNAs. <i>Frontiers in Neuroscience</i> , 2012, 6, 156.	1.4	15
1371	The role of microRNAs in glioma initiation and progression. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 700.	3.0	94
1372	Genes and Molecular Pathways of the Osteogenic Process. , 0, , .		5
1373	MICRORNAS ARE NOT THAT SMALL TO IGNORE. <i>American Journal of Biochemistry and Biotechnology</i> , 2012, 8, 63-70.	0.1	1
1374	Investigation of the sequence constitution of miRNA and siRNA. <i>International Journal of Biological and Chemical Sciences</i> , 2012, 5, .	0.1	0
1375	Computational prediction of candidate miRNAs and their targets from the completed Linum ussitatissimum genome and EST database. <i>Journal of Nucleic Acids Investigation</i> , 2012, 3, 2.	0.5	3
1376	Beyond the Gene List: Exploring Transcriptomics Data in Search for Gene Function, Trait Mechanisms and Genetic Architecture. , 2012, , .		2
1377	MicroRNAs: molecular features and role in cancer. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 2508.	3.0	171

#	ARTICLE	IF	CITATIONS
1378	The Murine Caecal MicroRNA Signature Depends on the Presence of the Endogenous Microbiota. <i>International Journal of Biological Sciences</i> , 2012, 8, 171-186.	2.6	102
1379	MicroRNAs Telltale Effects on Signaling Networks in Cardiomyopathy. , 2012, , .		0
1380	Transcriptome and Proteome Research in Veterinary Science: What Is Possible and What Questions Can Be Asked?. <i>Scientific World Journal</i> , The, 2012, 2012, 1-14.	0.8	19
1381	Low MAD2 expression levels associate with reduced progression-free survival in patients with high-grade serous epithelial ovarian cancer. <i>Journal of Pathology</i> , 2012, 226, 746-755.	2.1	64
1382	FiRePat—Finding Regulatory Patterns between sRNAs and Genes. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2012, 2, 273-284.	4.6	6
1383	Potential pitfalls in microRNA profiling. <i>Wiley Interdisciplinary Reviews RNA</i> , 2012, 3, 601-616.	3.2	151
1384	Computational approaches to discovering noncoding RNA. <i>Wiley Interdisciplinary Reviews RNA</i> , 2012, 3, 567-579.	3.2	17
1385	The interface of protein structure, protein biophysics, and molecular evolution. <i>Protein Science</i> , 2012, 21, 769-785.	3.1	188
1386	Identification of Novel miR-21 Target Proteins in Multiple Myeloma Cells by Quantitative Proteomics. <i>Journal of Proteome Research</i> , 2012, 11, 2078-2090.	1.8	66
1387	miRNA Data Analysis: Next-Gen Sequencing. <i>Methods in Molecular Biology</i> , 2012, 822, 273-288.	0.4	32
1388	MicroRNAs and Their Role in Plants During Abiotic Stresses. , 2012, , 265-278.		3
1389	A genome-wide analysis of common fragile sites: What features determine chromosomal instability in the human genome?. <i>Genome Research</i> , 2012, 22, 993-1005.	2.4	150
1390	deepBase: Annotation and Discovery of MicroRNAs and Other Noncoding RNAs from Deep-Sequencing Data. <i>Methods in Molecular Biology</i> , 2012, 822, 233-248.	0.4	21
1391	MicroRNA profiling: approaches and considerations. <i>Nature Reviews Genetics</i> , 2012, 13, 358-369.	7.7	1,453
1392	Stem-Loop RT-qPCR for MicroRNA Expression Profiling. <i>Methods in Molecular Biology</i> , 2012, 822, 33-52.	0.4	40
1393	Identification of putative miRNAs from the deep-branching unicellular flagellates. <i>Genomics</i> , 2012, 99, 101-107.	1.3	31
1394	On the Role of Low-Dose Effects and Epigenetics in Toxicology. <i>Exs</i> , 2012, 101, 499-550.	1.4	14
1395	MicroRNA miR-107 is overexpressed in pituitary adenomas and inhibits the expression of aryl hydrocarbon receptor-interacting protein in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E708-E719.	1.8	71

#	ARTICLE	IF	CITATIONS
1396	MicroRNA and transcription factor co-regulatory network analysis reveals miR-19 inhibits CYLD in T-cell acute lymphoblastic leukemia. <i>Nucleic Acids Research</i> , 2012, 40, 5201-5214.	6.5	119
1397	Circulating <i>miR-34a</i> levels are reduced in colorectal cancer. <i>Journal of Surgical Oncology</i> , 2012, 106, 947-952.	0.8	74
1398	MicroRNA dysregulation in cancer: diagnostics, monitoring and therapeutics. A comprehensive review. <i>EMBO Molecular Medicine</i> , 2012, 4, 143-159.	3.3	1,481
1399	Up-regulation of microRNA 506 leads to decreased Cl ⁻ /HCO ₃ ⁻ anion exchanger 2 expression in biliary epithelium of patients with primary biliary cirrhosis. <i>Hepatology</i> , 2012, 56, 687-697.	3.6	199
1400	Evidence for premature aging due to oxidative stress in iPSCs from Cockayne syndrome. <i>Human Molecular Genetics</i> , 2012, 21, 3825-3834.	1.4	67
1401	MicroRNA Expression Profiling and Discovery. , 2012, , 191-208.		0
1403	miR-TRAP: A Benchtop Chemical Biology Strategy to Identify microRNA Targets. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5880-5883.	7.2	48
1404	Analysis of microRNAs and their precursors in bovine early embryonic development. <i>Molecular Human Reproduction</i> , 2012, 18, 425-434.	1.3	92
1405	High-resolution experimental and computational profiling of tissue-specific known and novel miRNAs in <i>Arabidopsis</i> . <i>Genome Research</i> , 2012, 22, 163-176.	2.4	140
1406	A PNA microarray platform for miRNA expression profiling using on-chip labeling technology. <i>Biochip Journal</i> , 2012, 6, 25-33.	2.5	12
1407	Epigenetic control on cell fate choice in neural stem cells. <i>Protein and Cell</i> , 2012, 3, 278-290.	4.8	38
1408	Analysis of putative miRNA function using a novel approach, GAPPS-miRTarGE. <i>Genes and Genomics</i> , 2012, 34, 205-216.	0.5	0
1409	Current approaches to micro-RNA analysis and target gene prediction. <i>Journal of Applied Genetics</i> , 2012, 53, 149-158.	1.0	14
1410	The physiological impact of microRNA gene regulation in the retina. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 2739-2750.	2.4	53
1412	Systematic analysis of genomic organization and heterogeneities of miRNA cluster in vertebrates. <i>Molecular Biology Reports</i> , 2012, 39, 5143-5149.	1.0	4
1413	Consistent isomiR expression patterns and 3' addition events in miRNA gene clusters and families implicate functional and evolutionary relationships. <i>Molecular Biology Reports</i> , 2012, 39, 6699-6706.	1.0	34
1414	Bottlenecks Caused by Software Gaps in miRNA and RNAi Research. <i>Pharmaceutical Research</i> , 2012, 29, 1717-1721.	1.7	0
1415	Molecular cloning and characterisation of a cDNA encoding a putative alkaline alpha-galactosidase from grapevine (<i>Vitis vinifera</i> L.) that is differentially expressed under osmotic stress. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 891-903.	1.0	9

#	ARTICLE	IF	CITATIONS
1416	Integration of MicroRNA Databases to Study MicroRNAs Associated with Multiple Sclerosis. <i>Molecular Neurobiology</i> , 2012, 45, 520-535.	1.9	58
1417	Identification of Glycine Max MicroRNAs in response to phosphorus deficiency. <i>Journal of Plant Biology</i> , 2012, 55, 268-280.	0.9	29
1418	MicroRNA-200 is commonly repressed in conjunctival MALT lymphoma, and targets cyclin E2. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2012, 250, 523-531.	1.0	26
1419	Genome-wide profiling of novel and conserved <i>Populus</i> microRNAs involved in pathogen stress response by deep sequencing. <i>Planta</i> , 2012, 235, 873-883.	1.6	90
1420	The miRNA-200 family and miRNA-9 exhibit differential expression in primary versus corresponding metastatic tissue in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2012, 134, 207-217.	1.1	94
1421	Widespread roles of microRNAs during zebrafish development and beyond. <i>Development Growth and Differentiation</i> , 2012, 54, 55-65.	0.6	41
1422	Genome-wide identification of <i>Medicago truncatula</i> microRNAs and their targets reveals their differential regulation by heavy metal. <i>Plant, Cell and Environment</i> , 2012, 35, 86-99.	2.8	182
1423	Expression and tissue-specific localization of nitrate-responsive miRNAs in roots of maize seedlings. <i>Plant, Cell and Environment</i> , 2012, 35, 1137-1155.	2.8	64
1424	Evaluation of online miRNA resources for biomedical applications. <i>Genes To Cells</i> , 2012, 17, 11-27.	0.5	29
1425	pre-piRNA biogenesis mimics the pathway of miRNA. <i>Biochemical Systematics and Ecology</i> , 2012, 43, 200-204.	0.6	3
1426	Studying microRNAs in the brain: Technical lessons learned from the first ten years. <i>Experimental Neurology</i> , 2012, 235, 397-401.	2.0	15
1427	Effect of (S)-3,5-DHPG on microRNA expression in mouse brain. <i>Experimental Neurology</i> , 2012, 235, 497-507.	2.0	5
1428	Comparison of the transcriptional profiles of head and body lice. <i>Insect Molecular Biology</i> , 2012, 21, 257-268.	1.0	47
1429	A comparative profile of the microRNA transcriptome in immature and mature porcine testes using Solexa deep sequencing. <i>FEBS Journal</i> , 2012, 279, 964-975.	2.2	76
1430	MicroRNA expression profiling of hypothalamic arcuate and paraventricular nuclei from single rats using Illumina sequencing technology. <i>Journal of Neuroscience Methods</i> , 2012, 209, 134-143.	1.3	50
1431	Rho GTPase regulation by miRNAs and covalent modifications. <i>Trends in Cell Biology</i> , 2012, 22, 365-373.	3.6	77
1432	OrCa-dB: A complete catalogue of molecular and clinical information in oral carcinogenesis. <i>Oral Oncology</i> , 2012, 48, e19.	0.8	5
1433	MiR-34a inhibits lipopolysaccharide-induced inflammatory response through targeting Notch1 in murine macrophages. <i>Experimental Cell Research</i> , 2012, 318, 1175-1184.	1.2	85

#	ARTICLE	IF	CITATIONS
1434	Epigenetic silencing of miR-130b in ovarian cancer promotes the development of multidrug resistance by targeting colony-stimulating factor 1. <i>Gynecologic Oncology</i> , 2012, 124, 325-334.	0.6	108
1435	Influence of <i>SLCO1B3</i> haplotype-tag SNPs on docetaxel disposition in Chinese nasopharyngeal cancer patients. <i>British Journal of Clinical Pharmacology</i> , 2012, 73, 606-618.	1.1	30
1436	Annotation of primate miRNAs by high throughput sequencing of small RNA libraries. <i>BMC Genomics</i> , 2012, 13, 116.	1.2	16
1437	Target gene expression levels and competition between transfected and endogenous microRNAs are strong confounding factors in microRNA high-throughput experiments. <i>Silence: A Journal of RNA Regulation</i> , 2012, 3, 3.	8.0	30
1438	Profiling of Epstein-Barr virus-encoded microRNAs in nasopharyngeal carcinoma reveals potential biomarkers and oncomirs. <i>Cancer</i> , 2012, 118, 698-710.	2.0	135
1439	miR-25 targets TNF-related apoptosis inducing ligand (TRAIL) death receptor-4 and promotes apoptosis resistance in cholangiocarcinoma. <i>Hepatology</i> , 2012, 55, 465-475.	3.6	172
1440	MicroRNAs in the midst of myeloid signal transduction. <i>Journal of Cellular Physiology</i> , 2012, 227, 525-533.	2.0	2
1441	Identification and functional analysis of novel microRNAs in rat dorsal root ganglia after sciatic nerve resection. <i>Journal of Neuroscience Research</i> , 2012, 90, 791-801.	1.3	19
1442	MicroRNAs, diet, and cancer: New mechanistic insights on the epigenetic actions of phytochemicals. <i>Molecular Carcinogenesis</i> , 2012, 51, 213-230.	1.3	101
1443	The first draft of the pigeonpea genome sequence. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2012, 21, 98-112.	0.9	167
1444	Mining of miRNAs and potential targets from gene oriented clusters of transcripts sequences of the anti-malarial plant, <i>Artemisia annua</i> . <i>Biotechnology Letters</i> , 2012, 34, 737-745.	1.1	23
1445	Tracking miRNA precursor metabolic products and processing sites through completely analyzing high-throughput sequencing data. <i>Molecular Biology Reports</i> , 2012, 39, 2031-2038.	1.0	14
1446	MicroRNAs in brain development and degeneration. <i>Molecular Biology Reports</i> , 2012, 39, 2243-2252.	1.0	32
1447	Difference in miRNA expression profiles between two cotton cultivars with distinct salt sensitivity. <i>Molecular Biology Reports</i> , 2012, 39, 4961-4970.	1.0	77
1448	vHoT: a database for predicting interspecies interactions between viral microRNA and host genomes. <i>Archives of Virology</i> , 2012, 157, 497-501.	0.9	14
1449	Identification of aluminum-responsive microRNAs in <i>Medicago truncatula</i> by genome-wide high-throughput sequencing. <i>Planta</i> , 2012, 235, 375-386.	1.6	156
1450	Members of the high mobility group B protein family are dynamically expressed in embryonic neural stem cells. <i>Proteome Science</i> , 2013, 11, 18.	0.7	33
1451	MmPalateMiRNA, an R package compendium illustrating analysis of miRNA microarray data. <i>Source Code for Biology and Medicine</i> , 2013, 8, 1.	1.7	36

#	ARTICLE	IF	CITATIONS
1452	RNasell and T4 Polynucleotide Kinase sequence biases and solutions during RNA-seq library construction. <i>Biology Direct</i> , 2013, 8, 16.	1.9	15
1453	TUMIR: an experimentally supported database of microRNA deregulation in various cancers. <i>Journal of Clinical Bioinformatics</i> , 2013, 3, 7.	1.2	11
1454	MicroRNAs: an emerging science in cancer epigenetics. <i>Journal of Clinical Bioinformatics</i> , 2013, 3, 6.	1.2	74
1455	MicroRNAs-1614-3p gene seed region polymorphisms and association analysis with chicken production traits. <i>Journal of Applied Genetics</i> , 2013, 54, 209-213.	1.0	14
1456	Identification of <i>Dirofilaria immitis</i> miRNA using illumina deep sequencing. <i>Veterinary Research</i> , 2013, 44, 3.	1.1	31
1457	Characterization and expression profiling of selected microRNAs in tomato (<i>Solanum lycopersicon</i>) 'Jiangshu14'. <i>Molecular Biology Reports</i> , 2013, 40, 3503-3521.	1.0	8
1458	Down-regulation of miR-106b suppresses the growth of human glioma cells. <i>Journal of Neuro-Oncology</i> , 2013, 112, 179-189.	1.4	22
1459	Catalog of <i>Erycina pusilla</i> miRNA and categorization of reproductive phase-related miRNAs and their target gene families. <i>Plant Molecular Biology</i> , 2013, 82, 193-204.	2.0	39
1460	SRNAome parsing yields insights into tomato fruit ripening control. <i>Physiologia Plantarum</i> , 2013, 149, 540-553.	2.6	12
1461	The rs6983267 SNP Is Associated with MYC Transcription Efficiency, Which Promotes Progression and Worsens Prognosis of Colorectal Cancer. <i>Annals of Surgical Oncology</i> , 2013, 20, 1395-1402.	0.7	46
1462	MicroRNA Cancer Regulation. <i>Advances in Experimental Medicine and Biology</i> , 2013, , .	0.8	17
1463	Analyses of a Glycine max Degradome Library Identify microRNA Targets and MicroRNAs that Trigger Secondary siRNA Biogenesis. <i>Journal of Integrative Plant Biology</i> , 2013, 55, 160-176.	4.1	21
1464	An enhanced computational platform for investigating the roles of regulatory RNA and for identifying functional RNA motifs. <i>BMC Bioinformatics</i> , 2013, 14, S4.	1.2	314
1465	PMTED: a plant microRNA target expression database. <i>BMC Bioinformatics</i> , 2013, 14, 174.	1.2	47
1466	Identification of drought-responsive and novel <i>Populus trichocarpa</i> microRNAs by high-throughput sequencing and their targets using degradome analysis. <i>BMC Genomics</i> , 2013, 14, 233.	1.2	148
1467	Deep sequencing and genome-wide analysis reveals the expansion of MicroRNA genes in the gall midge <i>Mayetiola destructor</i> . <i>BMC Genomics</i> , 2013, 14, 187.	1.2	17
1468	MicroRNAs and their putative targets in <i>Brassica napus</i> seed maturation. <i>BMC Genomics</i> , 2013, 14, 140.	1.2	99
1469	Novel microRNA families expanded in the human genome. <i>BMC Genomics</i> , 2013, 14, 98.	1.2	16

#	ARTICLE	IF	CITATIONS
1470	Genome-wide identification of alternate bearing-associated microRNAs (miRNAs) in olive (<i>Olea</i>) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 74	1.6	82
1471	Microarray analysis of MicroRNA expression in peripheral blood mononuclear cells of critically ill patients with influenza A (H1N1). <i>BMC Infectious Diseases</i> , 2013, 13, 257.	1.3	66
1472	Sharpening of expression domains induced by transcription and microRNA regulation within a spatio-temporal model of mid-hindbrain boundary formation. <i>BMC Systems Biology</i> , 2013, 7, 48.	3.0	16
1473	A review on the electrochemical biosensors for determination of microRNAs. <i>Talanta</i> , 2013, 115, 74-83.	2.9	113
1474	Regulation of <i>Helicoverpa armigera</i> ecdysone receptor by miR-14 and its potential link to baculovirus infection. <i>Journal of Invertebrate Pathology</i> , 2013, 114, 151-157.	1.5	39
1475	Computer-Assisted Annotation of Murine Sertoli Cell Small RNA Transcriptome1. <i>Biology of Reproduction</i> , 2013, 88, 3.	1.2	25
1476	MicroRNAs as Diagnostic and Therapeutic Targets in Multiple Sclerosis. <i>Advances in Neuroimmune Biology</i> , 2013, 4, 67-76.	0.7	0
1477	Computational Identification of MicroRNAs and Their Targets in Cassava (<i>Manihot esculenta</i> Crantz.). <i>Molecular Biotechnology</i> , 2013, 53, 257-269.	1.3	76
1478	Introns targeted by plant microRNAs: a possible novel mechanism of gene regulation. <i>Rice</i> , 2013, 6, 8.	1.7	43
1479	Quantitative aspects of RNA silencing in metazoans. <i>Biochemistry (Moscow)</i> , 2013, 78, 613-626.	0.7	5
1480	ROCK: a resource for integrative breast cancer data analysis. <i>Breast Cancer Research and Treatment</i> , 2013, 139, 907-921.	1.1	30
1481	Construction of small RNA-mediated gene regulatory networks in the roots of rice (<i>Oryza sativa</i>). <i>BMC Genomics</i> , 2013, 14, 510.	1.2	22
1482	miR-222 and miR-29a contribute to the drug-resistance of breast cancer cells. <i>Gene</i> , 2013, 531, 8-14.	1.0	132
1483	The Role of microRNAs in Medulloblastoma. <i>Pediatric Hematology and Oncology</i> , 2013, 30, 367-378.	0.3	15
1484	miRNA Profiling Identifies Candidate miRNAs for Bladder Cancer Diagnosis and Clinical Outcome. <i>Journal of Molecular Diagnostics</i> , 2013, 15, 695-705.	1.2	129
1485	Comprehensive analyses of microRNA gene evolution in paleopolyploid soybean genome. <i>Plant Journal</i> , 2013, 76, 332-344.	2.8	19
1486	Discovering Functional microRNA-mRNA Regulatory Modules in Heterogeneous Data. <i>Advances in Experimental Medicine and Biology</i> , 2013, 774, 267-290.	0.8	2
1487	Coordinated Networks of microRNAs and Transcription Factors with Evolutionary Perspectives. <i>Advances in Experimental Medicine and Biology</i> , 2013, 774, 169-187.	0.8	16

#	ARTICLE	IF	CITATIONS
1488	Genetic and epigenetic markers of gliomas. <i>Cell and Tissue Biology</i> , 2013, 7, 303-313.	0.2	3
1489	MicroRNA or NMD: Why Have Two RNA Silencing Systems?. <i>Journal of Genetics and Genomics</i> , 2013, 40, 497-513.	1.7	6
1490	Epstein-Barr Virus-Encoded miR-BART20-5p Inhibits T-bet Translation with Secondary Suppression of p53 in Invasive Nasal NK/T-Cell Lymphoma. <i>American Journal of Pathology</i> , 2013, 182, 1865-1875.	1.9	44
1491	TNFRSF10B polymorphisms and haplotypes associated with increased risk of death in non-small cell lung cancer. <i>Carcinogenesis</i> , 2013, 34, 2525-2530.	1.3	14
1492	Computational identification of microRNAs and their targets in <i>Catharanthus roseus</i> expressed sequence tags. <i>Genomics Data</i> , 2013, 1, 2-6.	1.3	57
1493	Computational prediction of the localization of microRNAs within their pre-miRNA. <i>Nucleic Acids Research</i> , 2013, 41, 7200-7211.	6.5	75
1494	Regulation of atrophin by both strands of the mir-8 precursor. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 1009-1014.	1.2	15
1495	Defining RNA motif-aminoglycoside interactions via two-dimensional combinatorial screening and structure-activity relationships through sequencing. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6132-6138.	1.4	8
1496	Systemes analysis of interactions between microRNAs and genes in hepatocellular carcinoma. , 2013, 2013, 600-3.		0
1497	<i>Wolbachia</i> uses a host microRNA to regulate transcripts of a methyltransferase, contributing to dengue virus inhibition in <i>Aedes aegypti</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10276-10281.	3.3	188
1498	MicroRNA-1291-mediated silencing of IRE1 β enhances Glypican-3 expression. <i>Rna</i> , 2013, 19, 778-788.	1.6	41
1499	Tissue and circulating microRNA influence reproductive function in endometrial disease. <i>Reproductive BioMedicine Online</i> , 2013, 27, 515-529.	1.1	70
1500	MicroRNAs act complementarily to regulate disease-related mRNA modules in human diseases. <i>Rna</i> , 2013, 19, 1552-1562.	1.6	35
1501	Global survey on sequence characteristics of plant microRNA genes:Cis-regulatory SNPs in promoters and microRNA precursors. <i>Plant Biosystems</i> , 2013, 147, 445-450.	0.8	3
1502	ceRNA Cross-Talk in Cancer: When ce-ling Rivalries Go Awry. <i>Cancer Discovery</i> , 2013, 3, 1113-1121.	7.7	750
1503	isomiRex: Web-based identification of microRNAs, isomiR variations and differential expression using next-generation sequencing datasets. <i>FEBS Letters</i> , 2013, 587, 2629-2634.	1.3	61
1504	Procyanidins Modulate MicroRNA Expression in Pancreatic Islets. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 355-363.	2.4	35
1505	Identification of novel microRNA-like-coding sites on the long-stem microRNA precursors in <i>Arabidopsis</i> . <i>Gene</i> , 2013, 527, 477-483.	1.0	9

#	ARTICLE	IF	CITATIONS
1506	RNAi pathways contribute to developmental history-dependent phenotypic plasticity in <i>C. elegans</i> . <i>Rna</i> , 2013, 19, 306-319.	1.6	49
1507	Plasma Viral MicroRNA Profiles Reveal Potential Biomarkers for Chronic Active Epstein-Barr Virus Infection. <i>Journal of Infectious Diseases</i> , 2013, 208, 771-779.	1.9	63
1508	A Common MicroRNA Signature Consisting of miR-133a, miR-139-3p, and miR-142-3p Clusters Bladder Carcinoma in Situ with Normal Umbrella Cells. <i>American Journal of Pathology</i> , 2013, 182, 1171-1179.	1.9	26
1509	A computational method for predicting regulation of human microRNAs on the influenza virus genome. <i>BMC Systems Biology</i> , 2013, 7, S3.	3.0	13
1510	An integrative bioinformatics pipeline for the genomewide identification of novel porcine microRNA genes. <i>Journal of Genetics</i> , 2013, 92, 587-593.	0.4	2
1511	The Training Set Selection Methods of microRNA Precursors Prediction Based on Machine Learning Approaches. , 2013, , .		1
1512	MicroRNA-302 Increases Reprogramming Efficiency via Repression of NR2F2. <i>Stem Cells</i> , 2013, 31, 259-268.	1.4	121
1513	Endoplasmic reticulum stress signaling: the microRNA connection. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 304, C1117-C1126.	2.1	122
1514	MicroRNAs and the Genetic Network in Aging. <i>Journal of Molecular Biology</i> , 2013, 425, 3601-3608.	2.0	86
1515	Development-associated microRNAs in grains of wheat (<i>Triticum aestivum</i> L.). <i>BMC Plant Biology</i> , 2013, 13, 140.	1.6	88
1516	A novel two-layer SVM model in miRNA Drosha processing site detection. <i>BMC Systems Biology</i> , 2013, 7, S4.	3.0	2
1517	MicroRNA Expression Differentiates Squamous Epithelium from Barrett's Esophagus and Esophageal Cancer. <i>Digestive Diseases and Sciences</i> , 2013, 58, 3178-3188.	1.1	30
1518	Co-modulated behavior and effects of differentially expressed miRNA in colorectal cancer. <i>BMC Genomics</i> , 2013, 14, S12.	1.2	9
1519	Characterization of microRNA expression profiles in 3T3-L1 adipocytes overexpressing C10orf116. <i>Molecular Biology Reports</i> , 2013, 40, 6469-6476.	1.0	11
1520	PHDcleav: a SVM based method for predicting human Dicer cleavage sites using sequence and secondary structure of miRNA precursors. <i>BMC Bioinformatics</i> , 2013, 14, S9.	1.2	59
1521	Analysis of gradient-like expression of miR167 in <i>Arabidopsis thaliana</i> embryonic tissue. <i>Journal of Plant Biology</i> , 2013, 56, 336-344.	0.9	8
1522	Expansion of ruminant-specific microRNAs shapes target gene expression divergence between ruminant and non-ruminant species. <i>BMC Genomics</i> , 2013, 14, 609.	1.2	19
1523	The miRNA world of polyomaviruses. <i>Virology Journal</i> , 2013, 10, 268.	1.4	41

#	ARTICLE	IF	CITATIONS
1524	MicroRNAs implicated in dysregulation of gene expression following human lung transplantation. <i>Translational Respiratory Medicine</i> , 2013, 1, .	3.8	22
1525	Genome-wide analyses of Epstein-Barr virus reveal conserved RNA structures and a novel stable intronic sequence RNA. <i>BMC Genomics</i> , 2013, 14, 543.	1.2	66
1526	MicroRNA identification using linear dimensionality reduction with explicit feature mapping. <i>BMC Proceedings</i> , 2013, 7, S8.	1.8	5
1527	iMir: An integrated pipeline for high-throughput analysis of small non-coding RNA data obtained by smallRNA-Seq. <i>BMC Bioinformatics</i> , 2013, 14, 362.	1.2	62
1528	Dynamic modelling of microRNA regulation during mesenchymal stem cell differentiation. <i>BMC Systems Biology</i> , 2013, 7, 124.	3.0	16
1529	miR-363-5p regulates endothelial cell properties and their communication with hematopoietic precursor cells. <i>Journal of Hematology and Oncology</i> , 2013, 6, 87.	6.9	22
1530	Identification and characterization of microRNAs involved in growth of blunt snout bream (<i>Megalobrama amblycephala</i>) by Solexa sequencing. <i>BMC Genomics</i> , 2013, 14, 754.	1.2	83
1531	A genome-wide identification and characterization of mircoRNAs and their targets in "Suli" pear (<i>Pyrus</i>) Tj ETQq1 1 0.784314 rgBT	1.6	19
1533	Genome-Wide Identification of MicroRNAs in <i>Medicago truncatula</i> by High-Throughput Sequencing. <i>Methods in Molecular Biology</i> , 2013, 1069, 67-80.	0.4	1
1534	Micro<scp>RNA</scp>-based molecular markers: a novel <scp>PCR</scp>-based genotyping technique in <i>Brassica</i> species. <i>Plant Breeding</i> , 2013, 132, 375-381.	1.0	33
1536	Microarray expression profile of long noncoding RNAs in human osteosarcoma. <i>Biochemical and Biophysical Research Communications</i> , 2013, 433, 200-206.	1.0	90
1537	microRNA control of interferons and interferon induced anti-viral activity. <i>Molecular Immunology</i> , 2013, 56, 781-793.	1.0	51
1538	A novel epigenetic CREB-miR-373 axis mediates ZIP4-induced pancreatic cancer growth. <i>EMBO Molecular Medicine</i> , 2013, 5, 1322-1334.	3.3	88
1539	Systematic analysis of somatic mutations in phosphorylation signaling predicts novel cancer drivers. <i>Molecular Systems Biology</i> , 2013, 9, 637.	3.2	267
1540	Mining Featured Patterns of MiRNA Interaction Based on Sequence and Structure Similarity. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2013, 10, 415-422.	1.9	18
1541	Small RNA and degradome sequencing reveal complex miRNA regulation during cotton somatic embryogenesis. <i>Journal of Experimental Botany</i> , 2013, 64, 1521-1536.	2.4	179
1542	Bioinformatics prediction of miRNAs in the <i>Prunus persica</i> genome with validation of their precise sequences by miR-RACE. <i>Journal of Plant Physiology</i> , 2013, 170, 80-92.	1.6	12
1543	Identification of microRNAs as a potential novel regulatory mechanism in HSD11B1 expression. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 133, 129-139.	1.2	17

#	ARTICLE	IF	CITATIONS
1544	Detecting miRNAs in deep-sequencing data: a software performance comparison and evaluation. <i>Briefings in Bioinformatics</i> , 2013, 14, 36-45.	3.2	38
1545	Analysis of MicroRNA Length Variety Generated by Recombinant Human Dicer. <i>Methods in Molecular Biology</i> , 2013, 936, 21-34.	0.4	7
1546	A reversed framework for the identification of microRNA-target pairs in plants. <i>Briefings in Bioinformatics</i> , 2013, 14, 293-301.	3.2	27
1547	Dissection of the potential characteristic of miRNAâ€“miRNA functional synergistic regulations. <i>Molecular BioSystems</i> , 2013, 9, 217-224.	2.9	23
1548	Setting Up an Intronic miRNA Database. <i>Methods in Molecular Biology</i> , 2013, 936, 69-76.	0.4	6
1549	Insect MicroRNAs: Biogenesis, expression profiling and biological functions. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 24-38.	1.2	156
1550	Joint analysis of miRNA and mRNA expression data. <i>Briefings in Bioinformatics</i> , 2013, 14, 263-278.	3.2	104
1551	Copy Number and Expression Alterations of miRNAs in the Ovarian Cancer Cell Line OVCAR-3: Impact on Kallikrein 6 Protein Expression. <i>Clinical Chemistry</i> , 2013, 59, 296-305.	1.5	15
1552	The curious case of miRNAs in circulation: potential diagnostic biomarkers?. <i>Wiley Interdisciplinary Reviews RNA</i> , 2013, 4, 129-138.	3.2	9
1553	Prediction of microRNA-regulated protein interaction pathways in Arabidopsis using machine learning algorithms. <i>Computers in Biology and Medicine</i> , 2013, 43, 1645-1652.	3.9	12
1554	Evaluation of single nucleotide polymorphisms in the miR-183â€“96â€“182 cluster in adulthood attention-deficit and hyperactivity disorder (ADHD) and substance use disorders (SUDs). <i>European Neuropsychopharmacology</i> , 2013, 23, 1463-1473.	0.3	38
1555	Considering the effect of stem-loop reverse transcription and real-time PCR analysis of blood and saliva specific microRNA markers upon mixed body fluid stains. <i>Forensic Science International: Genetics</i> , 2013, 7, 418-421.	1.6	19
1557	Biogenesis, Turnover, and Mode of Action of Plant MicroRNAs. <i>Plant Cell</i> , 2013, 25, 2383-2399.	3.1	874
1558	Connecting high-dimensional mRNA and miRNA expression data for binary medical classification problems. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 111, 592-601.	2.6	14
1559	MicroRNA Primary Transcripts and Promoter Elements Analysis in Soybean (<i>Glycine max</i> L. Merrill.). <i>Journal of Integrative Agriculture</i> , 2013, 12, 1522-1529.	1.7	5
1560	Prediction of pre-miRNA with multiple stem-loops using pruning algorithm. <i>Computers in Biology and Medicine</i> , 2013, 43, 409-416.	3.9	14
1561	Discovery of MicroRNAs Associated with the S Type Cytoplasmic Male Sterility in Maize. <i>Journal of Integrative Agriculture</i> , 2013, 12, 229-238.	1.7	14
1562	A three-plasma miRNA signature serves as novel biomarkers for osteosarcoma. <i>Medical Oncology</i> , 2013, 30, 340.	1.2	104

#	ARTICLE	IF	CITATIONS
1564	Identification of miRNAs and their targets using high-throughput sequencing and degradome analysis in cytoplasmic male-sterile and its maintainer fertile lines of <i>Brassica juncea</i> . <i>BMC Genomics</i> , 2013, 14, 9.	1.2	110
1565	Stabilization of human interferon- β mRNA by its antisense RNA. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 1451-1467.	2.4	34
1566	Development of a metastatic fluorescent Lewis Lung carcinoma mouse model: Identification of mRNAs and microRNAs involved in tumor invasion. <i>Gene</i> , 2013, 517, 72-81.	1.0	13
1567	Construction of gene regulatory networks mediated by vegetative and reproductive stage-specific small <i>scp</i> RNA <i>s</i> in rice (<i>Oryza sativa</i>). <i>New Phytologist</i> , 2013, 197, 441-453.	3.5	15
1568	Circulating miRNAs as new blood-based biomarkers for solid cancers. <i>Future Oncology</i> , 2013, 9, 387-402.	1.1	98
1569	Genome-wide identification and characterization of microRNA genes and their targets in flax (<i>Linum</i>). <i>Trends in Plant Science</i> , 2013, 18, 107-114.	1.6	48
1570	miRCancer: a microRNA-cancer association database constructed by text mining on literature. <i>Bioinformatics</i> , 2013, 29, 638-644.	1.8	521
1571	MicroRNA-38 suppresses ovarian cancer cell invasion and metastasis by targeting SOX4 and HIF-1 α . <i>International Journal of Cancer</i> , 2013, 133, 867-878.	2.3	210
1572	miRNA-transcription factor interactions: a combinatorial regulation of gene expression. <i>Molecular Genetics and Genomics</i> , 2013, 288, 77-87.	1.0	145
1573	Deep sequencing discovery of novel and conserved <i>scp</i> microRNAs <i>s</i> in strawberry (<i>Fragaria</i>) and pineapple (<i>Ananassa</i>). <i>Physiologia Plantarum</i> , 2013, 148, 387-396.	2.6	45
1574	miRNAs regulate expression and function of extracellular matrix molecules. <i>Matrix Biology</i> , 2013, 32, 74-85.	1.5	104
1575	MicroRNAs in Human Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2013, 774, 1-20.	0.8	606
1576	Computational Approaches to RNAi and Gene Silencing. , 2013, , 169-194.		0
1577	Discovery of microRNA Regulatory Networks by Integrating Multidimensional High-Throughput Data. <i>Advances in Experimental Medicine and Biology</i> , 2013, 774, 251-266.	0.8	5
1578	Mapping the Human miRNA Interactome by CLASH Reveals Frequent Noncanonical Binding. <i>Cell</i> , 2013, 153, 654-665.	13.5	1,164
1579	MicroRNA-17/20a functions to inhibit cell migration and can be used a prognostic marker in oral squamous cell carcinoma. <i>Oral Oncology</i> , 2013, 49, 923-931.	0.8	103
1580	MicroRNA-382 expression is elevated in the olfactory neuroepithelium of schizophrenia patients. <i>Neurobiology of Disease</i> , 2013, 55, 1-10.	2.1	55
1581	Recent advances in microRNA-mediated gene regulation in chronic lymphocytic leukemia. <i>Clinical Biochemistry</i> , 2013, 46, 901-908.	0.8	4

#	ARTICLE	IF	CITATIONS
1582	miRNA in the Regulation of Ion Channel/Transporter Expression. , 2013, 3, 599-653.		25
1583	MicroRNAs in Kidney Disease: An Emerging Understanding. American Journal of Kidney Diseases, 2013, 61, 798-808.	2.1	39
1585	Alternative Splicing Regulates Biogenesis of miRNAs Located across Exon-Intron Junctions. Molecular Cell, 2013, 50, 869-881.	4.5	83
1586	Overexpression of microRNA319 impacts leaf morphogenesis and leads to enhanced cold tolerance in rice (<i>Oryza sativa</i> L.). Plant, Cell and Environment, 2013, 36, 2207-2218.	2.8	337
1587	Identification and characterization of salt-responsive microRNAs in <i>Populus tomentosa</i> by high-throughput sequencing. Biochimie, 2013, 95, 743-750.	1.3	48
1588	Interaction of small RNA "8105 and the intron of <i>MYB1</i> family genes through secondary siRNAs and DNA methylation after wounding. Plant Journal, 2013, 75, 781-794.	2.8	23
1589	Roles of MicroRNAs in the Life Cycles of Mammalian Viruses. Current Topics in Microbiology and Immunology, 2013, 371, 201-227.	0.7	33
1590	Hide and seek: tell-tale signs of breast cancer lurking in the blood. Cancer and Metastasis Reviews, 2013, 32, 289-302.	2.7	18
1591	MicroRNA: Function, Detection, and Bioanalysis. Chemical Reviews, 2013, 113, 6207-6233.	23.0	1,006
1592	MicroRNAs as pharmacological targets in endothelial cell function and dysfunction. Pharmacological Research, 2013, 75, 15-27.	3.1	90
1593	Sequence Selective Recognition of Double-Stranded RNA at Physiologically Relevant Conditions Using PNA-Peptide Conjugates. ACS Chemical Biology, 2013, 8, 1683-1686.	1.6	51
1594	Elucidating the Role of microRNAs in Cancer Through Data Mining Techniques. Advances in Experimental Medicine and Biology, 2013, 774, 291-315.	0.8	6
1595	Biogenesis, evolution and functional targets of microRNA-125a. Molecular Genetics and Genomics, 2013, 288, 381-389.	1.0	36
1596	The regulation and function of microRNAs in kidney diseases. IUBMB Life, 2013, 65, 602-614.	1.5	87
1597	Deep sequencing discovery of novel and conserved microRNAs in wild type and a white-flesh mutant strawberry. Planta, 2013, 238, 695-713.	1.6	40
1598	Manipulation of microRNA expression to improve nitrogen use efficiency. Plant Science, 2013, 210, 70-81.	1.7	83
1599	Cellular, Molecular, and Biological Perspective of Polyphenols in Chemoprevention and Therapeutic Adjunct in Cancer. , 2013, , 2175-2254.		5
1600	Prospects for Improving Brain Function in Individuals with Down Syndrome. CNS Drugs, 2013, 27, 679-702.	2.7	69

#	ARTICLE	IF	CITATIONS
1602	Prioritization of Genetic Variants in the micro RNA Regulome as Functional Candidates in Genome-Wide Association Studies. <i>Human Mutation</i> , 2013, 34, 1049-1056.	1.1	33
1603	Isolation of Total RNA and Detection Procedures for miRNA Present in Bovine-Cultured Adipocytes and Adipose Tissues. <i>Methods in Molecular Biology</i> , 2013, 936, 181-194.	0.4	5
1604	MicroRNA and Cardiovascular Disorders with a Focus on Angiogenesis. , 2013, , 479-497.		1
1605	Identification of MicroRNAs in <i>Helicoverpa armigera</i> and <i>Spodoptera litura</i> Based on Deep Sequencing and Homology Analysis. <i>International Journal of Biological Sciences</i> , 2013, 9, 1-15.	2.6	47
1606	MicroRNA-503 suppresses proliferation and cell cycle progression of endometrioid endometrial cancer by negatively regulating cyclin D1. <i>FEBS Journal</i> , 2013, 280, 3768-3779.	2.2	77
1607	Refining Diagnostic MicroRNA Signatures by Whole-miRNome Kinetic Analysis in Acute Myocardial Infarction. <i>Clinical Chemistry</i> , 2013, 59, 410-418.	1.5	52
1608	Comparative genomic analysis reveals evolutionary characteristics and patterns of microRNA clusters in vertebrates. <i>Gene</i> , 2013, 512, 383-391.	1.0	20
1609	miR-150 Down-Regulation Contributes to the Constitutive Type I Collagen Overexpression in Scleroderma Dermal Fibroblasts via the Induction of Integrin $\beta 3$. <i>American Journal of Pathology</i> , 2013, 182, 206-216.	1.9	124
1610	Comparison of microRNA expression in hippocampus and the marginal division (MrD) of the neostriatum in rats. <i>Journal of Biomedical Science</i> , 2013, 20, 9.	2.6	20
1611	Ensemble Analysis of Primary MicroRNA Structure Reveals an Extensive Capacity To Deform near the Drosha Cleavage Site. <i>Biochemistry</i> , 2013, 52, 795-807.	1.2	21
1612	The small RNA profile in latex from <i>Hevea brasiliensis</i> trees is affected by tapping panel dryness. <i>Tree Physiology</i> , 2013, 33, 1084-1098.	1.4	38
1613	Identification of the highly accumulated microRNAs in <i>Arabidopsis</i> (<i>Arabidopsis thaliana</i>) and rice (<i>Oryza sativa</i>). <i>Gene</i> , 2013, 515, 123-127.	1.0	12
1614	A Global Identification and Analysis of Small Nucleolar RNAs and Possible Intermediate-Sized Non-Coding RNAs in <i>Oryza sativa</i> . <i>Molecular Plant</i> , 2013, 6, 830-846.	3.9	66
1615	Combined small RNA and degradome sequencing reveals novel miRNAs and their targets in response to low nitrate availability in maize. <i>Annals of Botany</i> , 2013, 112, 633-642.	1.4	73
1616	Clinical Significance and Prognostic Value of microRNA Expression Signatures in Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2013, 19, 4780-4791.	3.2	95
1617	Binding of intronic miRNAs to the mRNAs of host genes encoding intronic miRNAs and proteins that participate in tumorigenesis. <i>Computers in Biology and Medicine</i> , 2013, 43, 1374-1381.	3.9	22
1618	MicroRNA-195 targets ADP-ribosylation factor-like protein 2 to induce apoptosis in human embryonic stem cell-derived neural progenitor cells. <i>Cell Death and Disease</i> , 2013, 4, e695-e695.	2.7	41
1619	Bifunctional Oligodeoxynucleotide/AntagomiR Constructs: Evaluation of a New Tool for MicroRNA Silencing. <i>Nucleic Acid Therapeutics</i> , 2013, 23, 427-434.	2.0	9

#	ARTICLE	IF	CITATIONS
1620	Expression differences of circulating microRNAs in metastatic castration resistant prostate cancer and low-risk, localized prostate cancer. <i>Prostate</i> , 2013, 73, 346-354.	1.2	217
1621	Circulating microRNA-92a and microRNA-21 as novel minimally invasive biomarkers for primary breast cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2013, 139, 223-229.	1.2	220
1622	A useful method of identifying of miRNAs which can down-regulate Zeb-2. <i>BMC Research Notes</i> , 2013, 6, 470.	0.6	13
1623	In silico analysis of putative miRNAs and their target genes in sorghum (<i>Sorghum bicolor</i>). <i>International Journal of Bioinformatics Research and Applications</i> , 2013, 9, 349.	0.1	13
1624	VAN: an R package for identifying biologically perturbed networks via differential variability analysis. <i>BMC Research Notes</i> , 2013, 6, 430.	0.6	9
1625	Integrated analysis of microRNA and mRNA expression: adding biological significance to microRNA target predictions. <i>Nucleic Acids Research</i> , 2013, 41, e146-e146.	6.5	58
1626	Discovery of MicroRNAs of the Stable Fly (Diptera: Muscidae) by High-Throughput Sequencing. <i>Journal of Medical Entomology</i> , 2013, 50, 925-930.	0.9	7
1627	Genetic Variations of NR1I3 and NR2B1 in Asian Populations. <i>Drug Metabolism and Pharmacokinetics</i> , 2013, 28, 169-176.	1.1	3
1628	Plasma MicroRNA-21 Is Associated with Tumor Burden in Cutaneous Melanoma. <i>Journal of Investigative Dermatology</i> , 2013, 133, 1381-1384.	0.3	38
1629	Assessing an Improved Protocol for Plasma microRNA Extraction. <i>PLoS ONE</i> , 2013, 8, e82753.	1.1	81
1630	Advances in the Techniques for the Prediction of microRNA Targets. <i>International Journal of Molecular Sciences</i> , 2013, 14, 8179-8187.	1.8	46
1631	Efficient computation of minimal perturbation sets in gene regulatory networks. <i>Frontiers in Physiology</i> , 2013, 4, 361.	1.3	12
1632	Network analysis of microRNAs, genes and their regulation in human bladder cancer. <i>Biomedical Reports</i> , 2013, 1, 918-924.	0.9	14
1633	CLIP-based prediction of mammalian microRNA binding sites. <i>Nucleic Acids Research</i> , 2013, 41, e138-e138.	6.5	84
1634	Fluctuation of Global Gene Expression by Endogenous miRNA Response to the Introduction of an Exogenous miRNA. <i>International Journal of Molecular Sciences</i> , 2013, 14, 11171-11189.	1.8	9
1635	Important miRs of Pathways in Different Tumor Types. <i>PLoS Computational Biology</i> , 2013, 9, e1002883.	1.5	2
1636	Large scale chromosomal mapping of human microRNA structural clusters. <i>Nucleic Acids Research</i> , 2013, 41, 4392-4408.	6.5	48
1637	Regulation of Huntingtin Gene Expression by miRNA-137, -214, -148a, and Their Respective isomiRs. <i>International Journal of Molecular Sciences</i> , 2013, 14, 16999-17016.	1.8	41

#	ARTICLE	IF	CITATIONS
1638	The Phytochemical Shikonin Stimulates Epithelial-Mesenchymal Transition (EMT) in Skin Wound Healing. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-13.	0.5	38
1639	MicroRNA Transcriptomes Relate Intermuscular Adipose Tissue to Metabolic Risk. International Journal of Molecular Sciences, 2013, 14, 8611-8624.	1.8	17
1640	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
1641	Widespread purifying selection on RNA structure in mammals. Nucleic Acids Research, 2013, 41, 8220-8236.	6.5	144
1642	MicroRNAs-140-5p/140-3p Modulate Leydig Cell Numbers in the Developing Mouse Testis. Biology of Reproduction, 2013, 88, 143-143.	1.2	68
1643	Systematic screens of proteins binding to synthetic microRNA precursors. Nucleic Acids Research, 2013, 41, e47-e47.	6.5	25
1644	miRDeep*: an integrated application tool for miRNA identification from RNA sequencing data. Nucleic Acids Research, 2013, 41, 727-737.	6.5	212
1645	The majority of endogenous microRNA targets within Alu elements avoid the microRNA machinery. Bioinformatics, 2013, 29, 894-902.	1.8	30
1646	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
1647	Viability, Longevity, and Egg Production of <i>Drosophila melanogaster</i> Are Regulated by the miR-282 microRNA. Genetics, 2013, 195, 469-480.	1.2	41
1648	Identification of radiation-induced microRNA transcriptome by next-generation massively parallel sequencing. Journal of Radiation Research, 2013, 54, 808-822.	0.8	73
1649	Human MicroRNAs Originated from Two Periods at Accelerated Rates in Mammalian Evolution. Molecular Biology and Evolution, 2013, 30, 613-626.	3.5	34
1650	Identifying dysfunctional miRNA-mRNA regulatory modules by inverse activation, cofunction, and high interconnection of target genes: A case study of glioblastoma. Neuro-Oncology, 2013, 15, 818-828.	0.6	22
1651	miRNA target enrichment analysis reveals directly active miRNAs in health and disease. Nucleic Acids Research, 2013, 41, e45-e45.	6.5	51
1652	MicroRNA-124 Suppresses Breast Cancer Cell Growth and Motility by Targeting CD151. Cellular Physiology and Biochemistry, 2013, 31, 823-832.	1.1	82
1653	Characterization and Comparative Profiling of miRNAs in Invasive <i>Bemisia tabaci</i> (Gennadius) B and Q. PLoS ONE, 2013, 8, e59884.	1.1	15
1654	MicroRNA-221 Induces Cell Survival and Cisplatin Resistance through PI3K/Akt Pathway in Human Osteosarcoma. PLoS ONE, 2013, 8, e53906.	1.1	201
1655	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

#	ARTICLE	IF	CITATIONS
1656	STAI1, an Arabidopsis pre-mRNA processing factor 6 homolog, is a new player involved in miRNA biogenesis. <i>Nucleic Acids Research</i> , 2013, 41, 1984-1997.	6.5	105
1657	Role of Multiple MicroRNAs in the Sexually Dimorphic Expression of <i>Cyp2b9</i> in Mouse Liver. <i>Drug Metabolism and Disposition</i> , 2013, 41, 1732-1737.	1.7	16
1658	A Complex Network of MicroRNAs Expressed in Brain and Genes Associated with Amyotrophic Lateral Sclerosis. <i>International Journal of Genomics</i> , 2013, 2013, 1-12.	0.8	15
1659	Platelet microRNAs. <i>Circulation Research</i> , 2013, 112, 576-578.	2.0	4
1660	siRNA Genome Screening Approaches to Therapeutic Drug Repositioning. <i>Pharmaceuticals</i> , 2013, 6, 124-160.	1.7	25
1661	SomamiR: a database for somatic mutations impacting microRNA function in cancer. <i>Nucleic Acids Research</i> , 2013, 41, D977-D982.	6.5	87
1662	MicroRNA 9-3p Targets β 1 Integrin To Sensitize Claudin-Low Breast Cancer Cells to MEK Inhibition. <i>Molecular and Cellular Biology</i> , 2013, 33, 2260-2274.	1.1	44
1663	MicroRNAs in Cardiovascular Regenerative Medicine: Directing Tissue Repair and Cellular Differentiation. <i>ISRN Vascular Medicine</i> , 2013, 2013, 1-16.	0.7	13
1664	Identification of Cassava MicroRNAs under Abiotic Stress. <i>International Journal of Genomics</i> , 2013, 2013, 1-10.	0.8	57
1665	Systematic use of computational methods allows stratification of treatment responders in glioblastoma multiforme. <i>Systems Biomedicine (Austin, Tex)</i> , 2013, 1, 130-136.	0.7	1
1666	Exome sequencing resolves apparent incidental findings and reveals further complexity of SH3TC2 variant alleles causing Charcot-Marie-Tooth neuropathy. <i>Genome Medicine</i> , 2013, 5, 57.	3.6	143
1667	SM2miR: a database of the experimentally validated small molecules' effects on microRNA expression. <i>Bioinformatics</i> , 2013, 29, 409-411.	1.8	175
1668	Telomere crisis in kidney epithelial cells promotes the acquisition of a microRNA signature retrieved in aggressive renal cell carcinomas. <i>Carcinogenesis</i> , 2013, 34, 1173-1180.	1.3	19
1669	MicroRNAs in domestic livestock. <i>Physiological Genomics</i> , 2013, 45, 685-696.	1.0	38
1670	Downregulation of miR-145 Expression in Oral Squamous Cell Carcinomas and Its Clinical Significance. <i>Onkologie</i> , 2013, 36, 194-199.	1.1	15
1671	Rare missense variants in <i>DVL1</i> , one of the human counterparts of the <i>Drosophila</i> dishevelled gene, do not confer increased risk for neural tube defects. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2013, 97, 452-455.	1.6	3
1672	Orchidstra: An Integrated Orchid Functional Genomics Database. <i>Plant and Cell Physiology</i> , 2013, 54, e11-e11.	1.5	41
1673	Data Mining Based Analysis of Genomic Location Shifts of Conserved Annotated miRNA Genes gives Preliminary Insights on Molecular Network Evolution. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
1674	PU.1-Dependent Transcriptional Regulation of miR-142 Contributes to Its Hematopoietic Cell-Specific Expression and Modulation of IL-6. <i>Journal of Immunology</i> , 2013, 190, 4005-4013.	0.4	60
1675	Deep sequencing of small RNAs identifies canonical and non-canonical miRNA and endogenous siRNAs in mammalian somatic tissues. <i>Nucleic Acids Research</i> , 2013, 41, 3339-3351.	6.5	96
1676	Overexpression of miR-26a-2 in human liposarcoma is correlated with poor patient survival. <i>Oncogenesis</i> , 2013, 2, e47-e47.	2.1	39
1677	Plant MicroRNAs Display Differential 3' Truncation and Tailing Modifications That Are ARGONAUTE1 Dependent and Conserved Across Species. <i>Plant Cell</i> , 2013, 25, 2417-2428.	3.1	113
1678	Keep PNUTS in Your Heart. <i>Circulation Research</i> , 2013, 113, 97-99.	2.0	11
1679	Small RNA-mediated regulation of host-pathogen interactions. <i>Virulence</i> , 2013, 4, 785-795.	1.8	64
1680	Human hepatocellular carcinoma cell-specific miRNAs reveal the differential expression of miR-24 and miR-27a in cirrhotic/non-cirrhotic HCC. <i>International Journal of Oncology</i> , 2013, 42, 391-402.	1.4	49
1681	ATHENA: Identifying interactions between different levels of genomic data associated with cancer clinical outcomes using grammatical evolution neural network. <i>BioData Mining</i> , 2013, 6, 23.	2.2	64
1682	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. <i>BMC Genomics</i> , 2013, 14, 643.	1.2	76
1683	De novo transcriptome analysis using 454 pyrosequencing of the Himalayan Mayapple, <i>Podophyllum hexandrum</i> . <i>BMC Genomics</i> , 2013, 14, 748.	1.2	43
1684	Comparative expression profiling of miRNA during anther development in genetic male sterile and wild type cotton. <i>BMC Plant Biology</i> , 2013, 13, 66.	1.6	65
1685	Identification of microRNA-mRNA functional interactions in UVB-induced senescence of human diploid fibroblasts. <i>BMC Genomics</i> , 2013, 14, 224.	1.2	55
1686	A Review of Computational Tools in microRNA Discovery. <i>Frontiers in Genetics</i> , 2013, 4, 81.	1.1	86
1687	MicroRNAs may solve the mystery of chronic hepatitis B virus infection. <i>World Journal of Gastroenterology</i> , 2013, 19, 4867.	1.4	25
1688	Regulation of hepatitis B virus replication by epigenetic mechanisms and microRNAs. <i>Frontiers in Genetics</i> , 2013, 4, 202.	1.1	70
1690	Evaluating the Association Between Keratoconus and the Corneal Thickness Genes in an Independent Australian Population. , 2013, 54, 8224.		57
1691	Systems biology approach to study the high altitude adaptation in tibetans. <i>Brazilian Archives of Biology and Technology</i> , 2013, 56, 53-60.	0.5	5
1692	Functions of microRNA in response to cocaine stimulation. <i>Genetics and Molecular Research</i> , 2013, 12, 6160-6167.	0.3	9

#	ARTICLE	IF	CITATIONS
1693	A simple high-throughput technology enables gain-of-function screening of human microRNAs. <i>BioTechniques</i> , 2013, 54, 77-86.	0.8	8
1694	The Sequence Structures of Human MicroRNA Molecules and Their Implications. <i>PLoS ONE</i> , 2013, 8, e54215.	1.1	56
1695	TGF- β 2/Smad2/3 Signaling Directly Regulates Several miRNAs in Mouse ES Cells and Early Embryos. <i>PLoS ONE</i> , 2013, 8, e55186.	1.1	17
1696	Sexual Dimorphism Floral MicroRNA Profiling and Target Gene Expression in Andromonoecious Poplar (<i>Populus tomentosa</i>). <i>PLoS ONE</i> , 2013, 8, e62681.	1.1	31
1697	Genome-Wide Analysis Reveals Diversity of Rice Intronic miRNAs in Sequence Structure, Biogenesis and Function. <i>PLoS ONE</i> , 2013, 8, e63938.	1.1	11
1698	A Deep Analysis of the Small Non-Coding RNA Population in <i>Schistosoma japonicum</i> Eggs. <i>PLoS ONE</i> , 2013, 8, e64003.	1.1	80
1699	MicroRNA and piRNA Profiles in Normal Human Testis Detected by Next Generation Sequencing. <i>PLoS ONE</i> , 2013, 8, e66809.	1.1	98
1700	MicroRNA-21 Knockout Improve the Survival Rate in DSS Induced Fatal Colitis through Protecting against Inflammation and Tissue Injury. <i>PLoS ONE</i> , 2013, 8, e66814.	1.1	123
1701	Inferring Potential microRNA-microRNA Associations Based on Targeting Propensity and Connectivity in the Context of Protein Interaction Network. <i>PLoS ONE</i> , 2013, 8, e69719.	1.1	22
1702	Network and Data Integration for Biomarker Signature Discovery via Network Smoothed T-Statistics. <i>PLoS ONE</i> , 2013, 8, e73074.	1.1	63
1703	Developmental and Activity-Dependent miRNA Expression Profiling in Primary Hippocampal Neuron Cultures. <i>PLoS ONE</i> , 2013, 8, e74907.	1.1	69
1704	Performance Comparison of Digital microRNA Profiling Technologies Applied on Human Breast Cancer Cell Lines. <i>PLoS ONE</i> , 2013, 8, e75813.	1.1	25
1705	Involvement of miRNAs in the Differentiation of Human Glioblastoma Multiforme Stem-Like Cells. <i>PLoS ONE</i> , 2013, 8, e77098.	1.1	64
1706	Identification of microRNAs in Wool Follicles during Anagen, Catagen, and Telogen Phases in Tibetan Sheep. <i>PLoS ONE</i> , 2013, 8, e77801.	1.1	75
1707	Deep Sequencing Identification of Novel Glucocorticoid-Responsive miRNAs in Apoptotic Primary Lymphocytes. <i>PLoS ONE</i> , 2013, 8, e78316.	1.1	14
1708	MicroRNA Transcriptome in Swine Small Intestine during Weaning Stress. <i>PLoS ONE</i> , 2013, 8, e79343.	1.1	26
1709	Deep Sequencing of Small RNA Repertoires in Mice Reveals Metabolic Disorders-Associated Hepatic miRNAs. <i>PLoS ONE</i> , 2013, 8, e80774.	1.1	28
1710	Small RNA Analysis in Sindbis Virus Infected Human HEK293 Cells. <i>PLoS ONE</i> , 2013, 8, e84070.	1.1	11

#	ARTICLE	IF	CITATIONS
1711	OstemiR: A Novel Panel of MicroRNA Biomarkers in Osteoblastic and Osteocytic Differentiation from Mesenchymal Stem Cells. <i>PLoS ONE</i> , 2013, 8, e58796.	1.1	147
1712	Involvement of MicroRNAs in Infection of Silkworm with <i>Bombyx mori</i> Cytoplasmic Polyhedrosis Virus (BmCPV). <i>PLoS ONE</i> , 2013, 8, e68209.	1.1	54
1713	Curcumin Intake Affects miRNA Signature in Murine Melanoma with mmu-miR-205-5p Most Significantly Altered. <i>PLoS ONE</i> , 2013, 8, e81122.	1.1	56
1714	Intrinsic Features in MicroRNA Transcriptomes Link Porcine Visceral Rather than Subcutaneous Adipose Tissues to Metabolic Risk. <i>PLoS ONE</i> , 2013, 8, e80041.	1.1	24
1715	Mammalian miRNA curation through next-generation sequencing. <i>Frontiers in Genetics</i> , 2013, 4, 145.	1.1	36
1716	MicroRNAs: fundamental regulators of gene expression in major affective disorders and suicidal behavior?. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 208.	1.8	6
1717	Small RNA sequencing-microarray analyses in Parkinson leukocytes reveal deep brain stimulation-induced splicing changes that classify brain region transcriptomes. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 10.	1.4	114
1718	Regulation of MIR Genes in Response to Abiotic Stress in <i>Hevea brasiliensis</i> . <i>International Journal of Molecular Sciences</i> , 2013, 14, 19587-19604.	1.8	27
1719	Simultaneous Detection of Different MicroRNA Types Using the ZIP-Code Array System. <i>Journal of Nucleic Acids</i> , 2013, 2013, 1-13.	0.8	5
1720	Base Composition Characteristics of Mammalian miRNAs. <i>Journal of Nucleic Acids</i> , 2013, 2013, 1-6.	0.8	24
1721	miR-20b, miR-98, miR-125b-1*, and let-7e* as new potential diagnostic biomarkers in ulcerative colitis. <i>World Journal of Gastroenterology</i> , 2013, 19, 4289.	1.4	81
1722	Integrative Approaches for microRNA Target Prediction: Combining Sequence Information and the Paired mRNA and miRNA Expression Profiles. <i>Current Bioinformatics</i> , 2013, 8, 37-45.	0.7	16
1723	Viral Replication Strategies: Manipulation of ER Stress Response Pathways and Promotion of IRES-Dependent Translation. , 2013, , .		0
1724	MicroRNAs and lncRNAs as Tumour Suppressors. , 0, , .		2
1725	A Genome-Wide Perspective of miRNAome in Response to High Temperature, Salinity and Drought Stresses in <i>Brassica juncea</i> (Czern) L. <i>PLoS ONE</i> , 2014, 9, e92456.	1.1	70
1726	Reference Genes for Real-Time PCR Quantification of Messenger RNAs and MicroRNAs in Mouse Model of Obesity. <i>PLoS ONE</i> , 2014, 9, e86033.	1.1	52
1727	Identification of Tissue microRNAs Predictive of Sunitinib Activity in Patients with Metastatic Renal Cell Carcinoma. <i>PLoS ONE</i> , 2014, 9, e86263.	1.1	76
1728	The Role of Viral and Host MicroRNAs in the Aujeszky's Disease Virus during the Infection Process. <i>PLoS ONE</i> , 2014, 9, e86965.	1.1	21

#	ARTICLE	IF	CITATIONS
1729	Colonic miRNA Expression/Secretion, Regulated by Intestinal Epithelial PepT1, Plays an Important Role in Cell-to-Cell Communication during Colitis. PLoS ONE, 2014, 9, e87614.	1.1	27
1730	Identification and Differential Expression of microRNAs in Ovaries of Laying and Broody Geese (Anser) Tj ETQq1 1 0,784314 rgBT /Ove 24	1.1	24
1731	A microRNA Signature Associated with Early Recurrence in Breast Cancer. PLoS ONE, 2014, 9, e91884.	1.1	72
1732	Genome-Wide Comparative Analysis of 20 Miniature Inverted-Repeat Transposable Element Families in Brassica rapa and B. oleracea. PLoS ONE, 2014, 9, e94499.	1.1	38
1733	Exosomes from Drug-Resistant Breast Cancer Cells Transmit Chemoresistance by a Horizontal Transfer of MicroRNAs. PLoS ONE, 2014, 9, e95240.	1.1	323
1734	De Novo Transcriptome and Small RNA Analyses of Two Amorphophallus Species. PLoS ONE, 2014, 9, e95428.	1.1	14
1735	Identification of Novel and Conserved MicroRNAs Related to Drought Stress in Potato by Deep Sequencing. PLoS ONE, 2014, 9, e95489.	1.1	79
1736	Diversity and Expression of MicroRNAs in the Filarial Parasite, Brugia malayi. PLoS ONE, 2014, 9, e96498.	1.1	29
1737	Predicting Response to Preoperative Chemotherapy Agents by Identifying Drug Action on Modeled MicroRNA Regulation Networks. PLoS ONE, 2014, 9, e98140.	1.1	3
1738	Discovery and Analysis of MicroRNAs in Leymus chinensis under Saline-Alkali and Drought Stress Using High-Throughput Sequencing. PLoS ONE, 2014, 9, e105417.	1.1	17
1739	Patterns of MiRNA Expression in Arctic Charr Development. PLoS ONE, 2014, 9, e106084.	1.1	22
1740	Syngeneic Cardiac and Bone Marrow Stromal Cells Display Tissue-Specific microRNA Signatures and microRNA Subsets Restricted to Diverse Differentiation Processes. PLoS ONE, 2014, 9, e107269.	1.1	6
1741	Genetic and Epigenetic Changes in Chromosomally Stable and Unstable Progeny of Irradiated Cells. PLoS ONE, 2014, 9, e107722.	1.1	19
1742	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
1743	Identification and Characterization of Wilt and Salt Stress-Responsive MicroRNAs in Chickpea through High-Throughput Sequencing. PLoS ONE, 2014, 9, e108851.	1.1	101
1744	Novel MiRNA and PhasiRNA Biogenesis Networks in Soybean Roots from Two Sister Lines That Are Resistant and Susceptible to SCN Race 4. PLoS ONE, 2014, 9, e110051.	1.1	25
1745	Identifying and Validating a Combined mRNA and MicroRNA Signature in Response to Imatinib Treatment in a Chronic Myeloid Leukemia Cell Line. PLoS ONE, 2014, 9, e115003.	1.1	10
1746	High-Throughput Sequencing of MicroRNA Transcriptome and Expression Assay in the Sturgeon, Acipenser schrenckii. PLoS ONE, 2014, 9, e115251.	1.1	19

#	ARTICLE	IF	CITATIONS
1747	miRNA Target Gene Identification: Sourcing miRNA Target Gene Relationships for the Analyses of TCGA Illumina MiSeq and RNA-Seq Hiseq Platform Data. International Journal of Human Genetics, 2014, 14, 17-22.	0.1	2
1748	MicroRNA-Target Binding Structures Mimic MicroRNA Duplex Structures in Humans. PLoS ONE, 2014, 9, e88806.	1.1	3
1749	Discovery of Novel Leaf Rust Responsive microRNAs in Wheat and Prediction of Their Target Genes. Journal of Nucleic Acids, 2014, 2014, 1-12.	0.8	28
1750	Multistep Model of Cervical Cancer: Participation of miRNAs and Coding Genes. International Journal of Molecular Sciences, 2014, 15, 15700-15733.	1.8	53
1751	miRNA gene counts in chromosomes vary widely in a species and biogenesis of miRNA largely depends on transcription or post-transcriptional processing of coding genes. Frontiers in Genetics, 2014, 5, 100.	1.1	85
1752	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
1753	microRNAs in axon guidance. Frontiers in Cellular Neuroscience, 2014, 8, 78.	1.8	42
1754	MicroRNA function and dysregulation in bone tumors: the evidence to date. Cancer Management and Research, 2014, 6, 15.	0.9	73
1755	MicroRNA-21 Down-regulates Rb1 Expression by Targeting PDCD4 in Retinoblastoma. Journal of Cancer, 2014, 5, 804-812.	1.2	36
1756	Prediction of disease-related microRNAs by incorporating functional similarity and common association information. Genetics and Molecular Research, 2014, 13, 2009-2019.	0.3	15
1757	Radiation-Induced Crosstalk between MicroRNAs and Proteins of the Endothelium: In silico Analysis. Journal of Proteomics and Bioinformatics, 2014, 07, .	0.4	6
1758	Prediction of MicroRNA Precursors Using Parsimonious Feature Sets. Cancer Informatics, 2014, 13s1, CIN.S13877.	0.9	2
1759	PA28gamma emerges as a novel functional target of tumour suppressor microRNA-7 in non-small-cell lung cancer. British Journal of Cancer, 2014, 110, 353-362.	2.9	54
1760	miR-888 is an expressed prostatic secretions-derived microRNA that promotes prostate cell growth and migration. Cell Cycle, 2014, 13, 227-239.	1.3	62
1761	MicroRNA Sensor Based on Magnetic Beads and Enzymatic Probes. International Journal of Nanoscience, 2014, 13, 1460014.	0.4	0
1762	Alteration of host-encoded miRNAs in virus infected plants" experimentally verified. , 2014, , 17-56.		4
1763	Engineering crops for resistance to geminiviruses. , 2014, , 291-323.		1
1764	MicroRNA-301a promotes migration and invasion by targeting TGFBR2 in human colorectal cancer. Journal of Experimental and Clinical Cancer Research, 2014, 33, 113.	3.5	71

#	ARTICLE	IF	CITATIONS
1765	Deep Sequencing the microRNA profile in rhabdomyosarcoma reveals down-regulation of miR-378 family members. <i>BMC Cancer</i> , 2014, 14, 880.	1.1	56
1766	MicroRNA-204, a direct negative regulator of ezrin gene expression, inhibits glioma cell migration and invasion. <i>Molecular and Cellular Biochemistry</i> , 2014, 396, 117-128.	1.4	27
1767	mirMark: a site-level and UTR-level classifier for miRNA target prediction. <i>Genome Biology</i> , 2014, 15, 500.	3.8	40
1768	Genome of the house fly, <i>Musca domestica</i> L., a global vector of diseases with adaptations to a septic environment. <i>Genome Biology</i> , 2014, 15, 466.	3.8	252
1769	Systematic identification of transcriptional and post-transcriptional regulations in human respiratory epithelial cells during influenza A virus infection. <i>BMC Bioinformatics</i> , 2014, 15, 336.	1.2	35
1770	Comprehensive analysis of small RNA-seq data reveals that combination of miRNA with its isomiRs increase the accuracy of target prediction in <i>Arabidopsis thaliana</i> . <i>RNA Biology</i> , 2014, 11, 1414-1429.	1.5	46
1771	Global population-specific variation in miRNA associated with cancer risk and clinical biomarkers. <i>BMC Medical Genomics</i> , 2014, 7, 53.	0.7	90
1772	Long non-coding RNAs. <i>RNA Biology</i> , 2014, 11, 373-390.	1.5	59
1773	Strategies to antagonize miRNA functions <i>in vitro</i> and <i>in vivo</i> . <i>Nanomedicine</i> , 2014, 9, 2545-2555.	1.7	15
1774	Automated Update, Revision, and Quality Control of the Maize Genome Annotations Using MAKER-P Improves the B73 RefGen_v3 Gene Models and Identifies New Genes. <i>Plant Physiology</i> , 2014, 167, 25-39.	2.3	53
1775	Identifying miRNAs, targets and functions. <i>Briefings in Bioinformatics</i> , 2014, 15, 1-19.	3.2	444
1776	Hunting the Needle in the Haystack: A Guide to Obtain Biologically Meaningful MicroRNA Targets. <i>International Journal of Molecular Sciences</i> , 2014, 15, 20266-20289.	1.8	21
1777	5â€² isomiR variation is of functional and evolutionary importance. <i>Nucleic Acids Research</i> , 2014, 42, 9424-9435.	6.5	203
1778	Detection of Circulating Parasite-Derived MicroRNAs in Filarial Infections. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2971.	1.3	86
1779	Let-7d microRNA affects mesenchymal phenotypic properties of lung fibroblasts. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L534-L542.	1.3	91
1780	miRBase Tracker: keeping track of microRNA annotation changes. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, .	1.4	73
1781	The Arabidopsis miR472-RDR6 Silencing Pathway Modulates PAMP- and Effector-Triggered Immunity through the Post-transcriptional Control of Disease Resistance Genes. <i>PLoS Pathogens</i> , 2014, 10, e1003883.	2.1	233
1782	Grand challenges in evolutionary and population genetics: the importance of integrating epigenetics, genomics, modeling, and experimentation. <i>Frontiers in Genetics</i> , 2014, 5, 197.	1.1	40

#	ARTICLE	IF	CITATIONS
1783	HumanViCe: host ceRNA network in virus infected cells in human. <i>Frontiers in Genetics</i> , 2014, 5, 249.	1.1	41
1784	Comparison of REST Cistromes across Human Cell Types Reveals Common and Context-Specific Functions. <i>PLoS Computational Biology</i> , 2014, 10, e1003671.	1.5	40
1785	microPIR2: a comprehensive database for human-mouse comparative study of microRNA-promoter interactions. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, bau115-bau115.	1.4	15
1786	Exploitation of a Very Small Peptide Nucleic Acid as a New Inhibitor of miR-509-3p Involved in the Regulation of Cystic Fibrosis Disease-Gene Expression. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	45
1787	Identification of MicroRNA as Sepsis Biomarker Based on miRNAs Regulatory Network Analysis. <i>BioMed Research International</i> , 2014, 2014, 1-12.	0.9	56
1788	miRNAs with the Potential to Distinguish Follicular Thyroid Carcinomas from Benign Follicular Thyroid Tumors: Results of a Meta-analysis. <i>Hormone and Metabolic Research</i> , 2014, 46, 171-180.	0.7	39
1789	Arctiin induces an UVB protective effect in human dermal fibroblast cells through microRNA expression changes. <i>International Journal of Molecular Medicine</i> , 2014, 33, 640-648.	1.8	17
1790	Genome-wide identification of vegetative phase transition-associated microRNAs and target predictions using degradome sequencing in <i>Malus hupehensis</i> . <i>BMC Genomics</i> , 2014, 15, 1125.	1.2	60
1792	Genome-wide discovery and differential regulation of conserved and novel microRNAs in chickpea via deep sequencing. <i>Journal of Experimental Botany</i> , 2014, 65, 5945-5958.	2.4	71
1793	A reciprocal antagonism between miR-376c and TGF β 2 signaling regulates neural differentiation of human pluripotent stem cells. <i>FASEB Journal</i> , 2014, 28, 4642-4656.	0.2	15
1794	Discovery and visualization of miRNA-mRNA functional modules within integrated data using bicluster analysis. <i>Nucleic Acids Research</i> , 2014, 42, e17-e17.	6.5	40
1795	Down-regulation of the Antisense Mitochondrial Non-coding RNAs (ncRNAs) Is a Unique Vulnerability of Cancer Cells and a Potential Target for Cancer Therapy. <i>Journal of Biological Chemistry</i> , 2014, 289, 27182-27198.	1.6	67
1796	Grafting-responsive miRNAs in cucumber and pumpkin seedlings identified by high-throughput sequencing at whole genome level. <i>Physiologia Plantarum</i> , 2014, 151, 406-422.	2.6	40
1797	High-throughput deep sequencing shows that microRNAs play important roles in switchgrass responses to drought and salinity stress. <i>Plant Biotechnology Journal</i> , 2014, 12, 354-366.	4.1	131
1798	Discovering biological knowledge by integrating high-throughput data and scientific literature on the cloud. <i>Concurrency Computation Practice and Experience</i> , 2014, 26, 1771-1786.	1.4	3
1799	Wild-type genotypes of BRCA1 gene SNPs combined with micro-RNA over-expression in mammary tissue leading to familial breast cancer with an increased risk of distant metastases occurrence. <i>Medical Oncology</i> , 2014, 31, 255.	1.2	13
1800	Loa loa and <i>Onchocerca ochengi</i> miRNAs detected in host circulation. <i>Molecular and Biochemical Parasitology</i> , 2014, 198, 14-17.	0.5	36
1801	Regulating life or death: Potential role of microRNA in rescue of the corpus luteum. <i>Molecular and Cellular Endocrinology</i> , 2014, 398, 78-88.	1.6	37

#	ARTICLE	IF	CITATIONS
1802	Candidate disease gene prediction using <i>CentRepid</i> : application to a genome-wide association study on coronary artery disease. <i>Molecular Genetics & Genomic Medicine</i> , 2014, 2, 44-57.	0.6	11
1803	A Requirement for ERK-Dependent Dicer Phosphorylation in Coordinating Oocyte-to-Embryo Transition in <i>C.Ælegans</i> . <i>Developmental Cell</i> , 2014, 31, 614-628.	3.1	63
1804	Modulation of human miRâ€“17â€“3p expression by methyl 3â€“O-methyl gallate as explanation of its in vivo protective activities. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1776-1784.	1.5	57
1805	Analyses of copy number variation reveal putative susceptibility loci in MTXâ€“induced mouse neural tube defects. <i>Developmental Neurobiology</i> , 2014, 74, 877-893.	1.5	4
1806	Systematic Study of <i>Drosophila</i> MicroRNA Functions Using a Collection of Targeted Knockout Mutations. <i>Developmental Cell</i> , 2014, 31, 784-800.	3.1	131
1807	Techniques for Characterizing Cytomegalovirus-Encoded miRNAs. <i>Methods in Molecular Biology</i> , 2014, 1119, 239-265.	0.4	3
1808	Rapid identification of regulatory microRNAs by miTRAP (miRNA trapping by RNA in vitro affinity) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 5	6.5	48
1809	mrSNP: Software to detect SNP effects on microRNA binding. <i>BMC Bioinformatics</i> , 2014, 15, 73.	1.2	46
1810	Identification of chilling stress-responsive tomato microRNAs and their target genes by high-throughput sequencing and degradome analysis. <i>BMC Genomics</i> , 2014, 15, 1130.	1.2	93
1811	Two Antarctic penguin genomes reveal insights into their evolutionary history and molecular changes related to the Antarctic environment. <i>GigaScience</i> , 2014, 3, 27.	3.3	72
1812	Deep sequencing on a genome-wide scale reveals diverse stage-specific microRNAs in cambium during dormancy-release induced by chilling in poplar. <i>BMC Plant Biology</i> , 2014, 14, 267.	1.6	37
1813	The multiMiR R package and database: integration of microRNAâ€“target interactions along with their disease and drug associations. <i>Nucleic Acids Research</i> , 2014, 42, e133-e133.	6.5	409
1814	A meta-analysis revealed insights into the sources, conservation and impact of microRNA 5â€“2-isoforms in four model species. <i>Nucleic Acids Research</i> , 2014, 42, 1427-1441.	6.5	23
1815	Biogenesis and Physiology of MicroRNAs. , 2014, , 5-24.		16
1816	Gene Profiling, Energy Metabolism, and Remodeling of the Failing Heart. , 2014, , 429-470.		0
1817	Computational prediction and experimental validation of microRNAs in the brown alga <i>Ectocarpus siliculosus</i> . <i>Nucleic Acids Research</i> , 2014, 42, 417-429.	6.5	20
1818	Differential microRNA expression signatures and cell type-specific association with Taxol resistance in ovarian cancer cells. <i>Drug Design, Development and Therapy</i> , 2014, 8, 293.	2.0	77
1819	Effects of genetic variations on microRNA: targetâ€“interactions. <i>Nucleic Acids Research</i> , 2014, 42, 9543-9552.	6.5	45

#	ARTICLE	IF	CITATIONS
1820	MicroRNA in Teleost Fish. <i>Genome Biology and Evolution</i> , 2014, 6, 1911-1937.	1.1	175
1821	miR-4782-3p Inhibited Non-Small Cell Lung Cancer growth via USP14. <i>Cellular Physiology and Biochemistry</i> , 2014, 33, 457-467.	1.1	62
1822	Current understanding of the role of microRNAs in spinocerebellar ataxias. <i>Cerebellum and Ataxias</i> , 2014, 1, 7.	1.9	21
1823	Two-stage Genome-wide Methylation Profiling in Childhood-onset Crohn's Disease Implicates Epigenetic Alterations at the VMP1/MIR21 and HLA Loci. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 1784-1793.	0.9	84
1824	Establishing Reliable miRNA-Cancer Association Network Based on Text-Mining Method. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-8.	0.7	9
1825	Ensemble-based classification approach for micro-RNA mining applied on diverse metagenomic sequences. <i>BMC Research Notes</i> , 2014, 7, 286.	0.6	4
1826	Integrating <i>Omics</i> Technologies to Study Pulmonary Physiology and Pathology at the Systems Level. <i>Cellular Physiology and Biochemistry</i> , 2014, 33, 1239-1260.	1.1	12
1827	The role of miRNAs in cancer: from pathogenesis to therapeutic implications. <i>Future Oncology</i> , 2014, 10, 1027-1048.	1.1	57
1828	Identification of Conserved and Novel Cold-Responsive MicroRNAs in Trifoliate Orange (<i>Poncirus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 328-341.	1.0	68
1829	Identification and expression of microRNA in the brain of hibernating bats, <i>Myotis lucifugus</i> . <i>Gene</i> , 2014, 544, 67-74.	1.0	40
1830	A novel variant in the 3' untranslated region of the CDK4 gene: interference with microRNA target sites and role in increased risk of cutaneous melanoma. <i>Cancer Genetics</i> , 2014, 207, 168-169.	0.2	2
1831	An evidence based strategy for normalization of quantitative PCR data from miRNA expression analysis in forensically relevant body fluids. <i>Forensic Science International: Genetics</i> , 2014, 11, 174-181.	1.6	37
1832	Controlling Hox gene expression and activity to build the vertebrate axial skeleton. <i>Developmental Dynamics</i> , 2014, 243, 24-36.	0.8	39
1833	Fast selection of miRNA candidates based on large-scale pre-computed MFE sets of randomized sequences. <i>BMC Research Notes</i> , 2014, 7, 34.	0.6	8
1834	Impact of InMIR319 and light on the expression of InTCP4 gene involved in the development of Ipomoea nil plants. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 29-43.	1.0	6
1835	MicroRNA Expression Profiles in Kaposi's Sarcoma. <i>Pathology and Oncology Research</i> , 2014, 20, 153-159.	0.9	33
1836	MicroRNA-related sequence variations in human cancers. <i>Human Genetics</i> , 2014, 133, 463-469.	1.8	27
1837	TMPRSS4 regulates levels of integrin $\beta 5$ in NSCLC through miR-205 activity to promote metastasis. <i>British Journal of Cancer</i> , 2014, 110, 764-774.	2.9	50

#	ARTICLE	IF	CITATIONS
1838	RNA-sequencing reveals previously unannotated protein- and microRNA-coding genes expressed in aleurone cells of rice seeds. <i>Genomics</i> , 2014, 103, 122-134.	1.3	13
1839	Identification of gunshots to the head by detection of RNA in backspatter primarily expressed in brain tissue. <i>Forensic Science International</i> , 2014, 237, 62-69.	1.3	29
1840	lncRNAMap: A map of putative regulatory functions in the long non-coding transcriptome. <i>Computational Biology and Chemistry</i> , 2014, 50, 41-49.	1.1	36
1841	MicroRNA expression profiling and functional annotation analysis of their targets in patients with type 1 diabetes mellitus. <i>Gene</i> , 2014, 539, 213-223.	1.0	65
1842	Up-regulated MicroRNA-181a induces carcinogenesis in Hepatitis B virus-related hepatocellular carcinoma by targeting E2F5. <i>BMC Cancer</i> , 2014, 14, 97.	1.1	45
1843	MicroRNAs in bovine adipogenesis: genomic context, expression and function. <i>BMC Genomics</i> , 2014, 15, 137.	1.2	77
1844	Integrated analysis of microRNA and mRNA expression and association with HIF binding reveals the complexity of microRNA expression regulation under hypoxia. <i>Molecular Cancer</i> , 2014, 13, 28.	7.9	135
1845	Application of microRNA and mRNA expression profiling on prognostic biomarker discovery for hepatocellular carcinoma. <i>BMC Genomics</i> , 2014, 15, S13.	1.2	54
1846	microRNAs of parasitic helminths – Identification, characterization and potential as drug targets. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2014, 4, 85-94.	1.4	59
1847	Sequence-based design of bioactive small molecules that target precursor microRNAs. <i>Nature Chemical Biology</i> , 2014, 10, 291-297.	3.9	294
1848	Genome-wide mRNA and miRNA analysis of peripheral blood mononuclear cells (PBMC) reveals different miRNAs regulating HIV/HCV co-infection. <i>Virology</i> , 2014, 450-451, 336-349.	1.1	35
1849	The Diversity, Biogenesis, and Activities of Endogenous Silencing Small RNAs in <i>Arabidopsis</i> . <i>Annual Review of Plant Biology</i> , 2014, 65, 473-503.	8.6	517
1850	Diazirine-Containing RNA Photo-Cross-Linking Probes for Capturing microRNA Targets. <i>Journal of Organic Chemistry</i> , 2014, 79, 2463-2472.	1.7	40
1851	Intestinal Epithelial Barrier Disruption through Altered Mucosal MicroRNA Expression in Human Immunodeficiency Virus and Simian Immunodeficiency Virus Infections. <i>Journal of Virology</i> , 2014, 88, 6268-6280.	1.5	28
1852	miRNA Biogenesis and Function. , 2014, , 3-28.		3
1853	Population Genomics Reveal Recent Speciation and Rapid Evolutionary Adaptation in Polar Bears. <i>Cell</i> , 2014, 157, 785-794.	13.5	363
1854	Role of miRNAs in Abiotic and Biotic Stresses in Plants. , 2014, , 181-207.		2
1855	BosFinder: a novel pre-microRNA gene prediction algorithm in <i>Bos taurus</i> . <i>Animal Genetics</i> , 2014, 45, 479-484.	0.6	3

#	ARTICLE	IF	CITATIONS
1856	Genomic Features and Regulatory Roles of Intermediate-Sized Non-Coding RNAs in Arabidopsis. <i>Molecular Plant</i> , 2014, 7, 514-527.	3.9	77
1857	High-throughput screens identify microRNAs essential for HER2 positive breast cancer cell growth. <i>Molecular Oncology</i> , 2014, 8, 93-104.	2.1	146
1858	Altered expression of miR-24, miR-126 and miR-365 does not affect viability of childhood TCF3-rearranged leukemia cells. <i>Leukemia</i> , 2014, 28, 1008-1014.	3.3	23
1859	Uncovering DCL1-dependent small RNA loci on plant genomes: a structure-based approach. <i>Journal of Experimental Botany</i> , 2014, 65, 395-400.	2.4	1
1860	Robust global microRNA expression profiling using next-generation sequencing technologies. <i>Laboratory Investigation</i> , 2014, 94, 350-358.	1.7	118
1861	miR-139 targets CXCR4 and inhibits the proliferation and metastasis of laryngeal squamous carcinoma cells. <i>Medical Oncology</i> , 2014, 31, 789.	1.2	64
1862	Characterization of regulatory mechanism of Poncirus trifoliata microRNAs on their target genes with an integrated strategy of newly developed PPM-RACE and RLM-RACE. <i>Gene</i> , 2014, 535, 42-52.	1.0	1
1863	miR-210: Fine-Tuning the Hypoxic Response. <i>Advances in Experimental Medicine and Biology</i> , 2014, 772, 205-227.	0.8	101
1864	Emerging roles of miR-210 and other non-coding RNAs in the hypoxic response. <i>Acta Biochimica Et Biophysica Sinica</i> , 2014, 46, 220-232.	0.9	72
1865	Spatial and temporal expression levels of specific microRNAs in a spinal cord injury mouse model and their relationship to the duration of compression. <i>Spine Journal</i> , 2014, 14, 353-360.	0.6	30
1866	Deregulation of microRNA expression in thyroid neoplasias. <i>Nature Reviews Endocrinology</i> , 2014, 10, 88-101.	4.3	103
1867	MicroRNA-146a and microRNA-146b expression and anti-inflammatory function in human airway smooth muscle. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L727-L734.	1.3	113
1868	miRBase: annotating high confidence microRNAs using deep sequencing data. <i>Nucleic Acids Research</i> , 2014, 42, D68-D73.	6.5	4,752
1869	Aberrant expression of miR-218 and miR-204 in human mesial temporal lobe epilepsy and hippocampal sclerosis—Convergence on axonal guidance. <i>Epilepsia</i> , 2014, 55, 2017-2027.	2.6	71
1870	Methylome repatterning in a mouse model of Maternal PKU Syndrome. <i>Molecular Genetics and Metabolism</i> , 2014, 113, 194-199.	0.5	6
1871	Resources for Small Regulatory RNAs. <i>Current Protocols in Molecular Biology</i> , 2014, 107, 19.8.1-14.	2.9	2
1872	Differential expression of miR-139, miR-486 and miR-21 in breast cancer patients sub-classified according to lymph node status. <i>Cellular Oncology (Dordrecht)</i> , 2014, 37, 215-227.	2.1	62
1873	MicroRNA Prediction Based on Sample Classification Imbalance. <i>Applied Mechanics and Materials</i> , 2014, 577, 1252-1257.	0.2	0

#	ARTICLE	IF	CITATIONS
1874	Identification of miR159s and their target genes and expression analysis under drought stress in potato. <i>Computational Biology and Chemistry</i> , 2014, 53, 204-213.	1.1	39
1875	Bottom-up mass spectrometric sequencing of microRNA. <i>Analytical Methods</i> , 2014, 6, 8829-8839.	1.3	8
1876	RKIP and HMGA2 regulate breast tumor survival and metastasis through lysyl oxidase and syndecan-2. <i>Oncogene</i> , 2014, 33, 3528-3537.	2.6	79
1877	Virus-Based MicroRNA Silencing in Plants. <i>Plant Physiology</i> , 2014, 164, 36-47.	2.3	78
1878	Nucleic acid therapeutics: basic concepts and recent developments. <i>RSC Advances</i> , 2014, 4, 16618.	1.7	73
1879	A carbon nanotube/quantum dot based photoelectrochemical biosensing platform for the direct detection of microRNAs. <i>Chemical Communications</i> , 2014, 50, 13315-13318.	2.2	55
1880	AhR is negatively regulated by miR-203 in response to TCDD or BaP treatment. <i>Toxicology Research</i> , 2014, 3, 142-151.	0.9	11
1881	MicroRNA Target and Gene Validation in Viruses and Bacteria. <i>Methods in Molecular Biology</i> , 2014, 1107, 223-231.	0.4	5
1882	Two-dimensional combinatorial screening enables the bottom-up design of a microRNA-10b inhibitor. <i>Chemical Communications</i> , 2014, 50, 3027.	2.2	51
1883	miRNAome analysis of the mammalian neuronal nicotinic acetylcholine receptor gene family. <i>Rna</i> , 2014, 20, 1890-1899.	1.6	11
1884	MicroRNA156: A Potential Graft-Transmissible MicroRNA That Modulates Plant Architecture and Tuberization in <i>Solanum tuberosum</i> ssp. <i>andigena</i> . <i>Plant Physiology</i> , 2014, 164, 1011-1027.	2.3	227
1885	Integrating epigenetic marks for identification of transcriptionally active miRNAs. <i>Genomics</i> , 2014, 104, 70-78.	1.3	2
1886	Identification and expression profiling of <i>Helicoverpa armigera</i> microRNAs and their possible role in the regulation of digestive protease genes. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 54, 129-137.	1.2	30
1887	Asymmetric mRNA localization contributes to fidelity and sensitivity of spatially localized systems. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 833-839.	3.6	57
1888	miRNome of Italian Large White pig subcutaneous fat tissue: new miRNAs, isoRNAs and monRNAs. <i>Animal Genetics</i> , 2014, 45, 685-698.	0.6	17
1889	Serum miR-23a, a potential biomarker for diagnosis of pre-diabetes and type 2 diabetes. <i>Acta Diabetologica</i> , 2014, 51, 823-831.	1.2	126
1890	In-silico identification of miRNAs and their regulating target functions in <i>Ocimum basilicum</i> . <i>Gene</i> , 2014, 552, 277-282.	1.0	21
1891	Exosomes from docetaxel-resistant breast cancer cells alter chemosensitivity by delivering microRNAs. <i>Tumor Biology</i> , 2014, 35, 9649-9659.	0.8	126

#	ARTICLE	IF	CITATIONS
1892	Oncogenic transformation of diverse gastrointestinal tissues in primary organoid culture. <i>Nature Medicine</i> , 2014, 20, 769-777.	15.2	349
1893	Exploring the genome-wide relation between copy number status and microRNA expression. <i>Genomics</i> , 2014, 104, 271-278.	1.3	10
1894	Polymorphisms in MicroRNAs Are Associated with Survival in Non-Small Cell Lung Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 2503-2511.	1.1	22
1895	Evolution of the mir-181 microRNA family. <i>Computers in Biology and Medicine</i> , 2014, 52, 82-87.	3.9	31
1896	New alterations at potentially regulated regions of the Glial Derived Neurotrophic Factor gene in bipolar disorder. <i>Journal of Affective Disorders</i> , 2014, 167, 244-250.	2.0	5
1897	The common marmoset genome provides insight into primate biology and evolution. <i>Nature Genetics</i> , 2014, 46, 850-857.	9.4	225
1898	Prioritizing candidate disease miRNAs by integrating phenotype associations of multiple diseases with matched miRNA and mRNA expression profiles. <i>Molecular BioSystems</i> , 2014, 10, 2800-2809.	2.9	67
1899	Inferring condition-specific miRNA activity from matched miRNA and mRNA expression data. <i>Bioinformatics</i> , 2014, 30, 3070-3077.	1.8	22
1900	Epithelial-mesenchymal transition-associated miRNAs in ovarian carcinoma, with highlight on the miR-200 family: Prognostic value and prospective role in ovarian cancer therapeutics. <i>Cancer Letters</i> , 2014, 351, 173-181.	3.2	110
1901	Identification and Characterization of MicroRNAs in the Spleen of Common Carp Immune Organ. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1768-1778.	1.2	38
1902	In Silico Analysis of miRNA-Mediated Gene Regulation in OCA and OA Genes. <i>Cell Biochemistry and Biophysics</i> , 2014, 70, 1923-1932.	0.9	23
1903	The RNA expression signature of the HepG2 cell line as determined by the integrated analysis of miRNA and mRNA expression profiles. <i>Gene</i> , 2014, 548, 91-100.	1.0	17
1904	MicroRNAs in cancer: biomarkers, functions and therapy. <i>Trends in Molecular Medicine</i> , 2014, 20, 460-469.	3.5	1,732
1905	Identifying direct miRNA-mRNA causal regulatory relationships in heterogeneous data. <i>Journal of Biomedical Informatics</i> , 2014, 52, 438-447.	2.5	27
1906	Regulatory and coding genome regions are enriched for trait associated variants in dairy and beef cattle. <i>BMC Genomics</i> , 2014, 15, 436.	1.2	47
1907	Structured RNAs and synteny regions in the pig genome. <i>BMC Genomics</i> , 2014, 15, 459.	1.2	20
1908	Genome-wide mapping of miRNAs expressed in embryonic stem cells and pluripotent stem cells generated by different reprogramming strategies. <i>BMC Genomics</i> , 2014, 15, 488.	1.2	21
1909	High-throughput sequencing reveals small RNAs involved in ASGV infection. <i>BMC Genomics</i> , 2014, 15, 568.	1.2	39

#	ARTICLE	IF	CITATIONS
1910	Epigenetic response in mice mastitis: Role of histone H3 acetylation and microRNA(s) in the regulation of host inflammatory gene expression during <i>Staphylococcus aureus</i> infection. <i>Clinical Epigenetics</i> , 2014, 6, 12.	1.8	30
1911	Is Argonaute 1 the only effective slicer of small RNA-mediated regulation of gene expression in plants?. <i>Journal of Experimental Botany</i> , 2014, 65, 6293-6299.	2.4	10
1912	Translational repression of SLC26A3 by miR-494 in intestinal epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, G123-G131.	1.6	19
1913	MicroRNA target prediction: theory and practice. <i>Molecular Genetics and Genomics</i> , 2014, 289, 1085-1101.	1.0	5
1914	Dual Promoter Usage as Regulatory Mechanism of let-7c Expression in Leukemic and Solid Tumors. <i>Molecular Cancer Research</i> , 2014, 12, 878-889.	1.5	18
1915	Regulation of microRNA biogenesis. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 509-524.	16.1	4,396
1916	Identification and characterization of the expression profile of microRNAs in <i>Anopheles anthropophagus</i> . <i>Parasites and Vectors</i> , 2014, 7, 159.	1.0	17
1917	Tc1-like transposable elements in plant genomes. <i>Mobile DNA</i> , 2014, 5, 17.	1.3	25
1918	Computational identification and characterization of conserved miRNAs and their target genes in garlic (<i>Allium sativum</i> L.) expressed sequence tags. <i>Gene</i> , 2014, 537, 333-342.	1.0	43
1919	MiR393-targeted TIR1-like (F-box) gene in response to inoculation to <i>R. Solani</i> in <i>Zea mays</i> . <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1283-1291.	1.0	16
1920	Computational Identification of MicroRNAs and Their Targets in Perennial Ryegrass (<i>Lolium perenne</i>). <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1011-1022.	1.4	11
1921	Tumor-Suppressing Effects of miR-141 in Human Osteosarcoma. <i>Cell Biochemistry and Biophysics</i> , 2014, 69, 319-325.	0.9	31
1922	Tumor-Suppressing Effects of miR-429 on Human Osteosarcoma. <i>Cell Biochemistry and Biophysics</i> , 2014, 70, 215-224.	0.9	29
1923	An ensemble approach to the evolution of complex systems. <i>Journal of Biosciences</i> , 2014, 39, 259-280.	0.5	1
1924	Mitochondrial MicroRNAs and Their Potential Role in Cell Function. <i>Current Pathobiology Reports</i> , 2014, 2, 123-132.	1.6	17
1925	Transcriptome microRNA profiling of bovine mammary epithelial cells challenged with <i>Escherichia coli</i> or <i>Staphylococcus aureus</i> bacteria reveals pathogen directed microRNA expression profiles. <i>BMC Genomics</i> , 2014, 15, 181.	1.2	154
1926	A comparison of performance of plant miRNA target prediction tools and the characterization of features for genome-wide target prediction. <i>BMC Genomics</i> , 2014, 15, 348.	1.2	111
1927	MiRNA-125a-5p: a regulator and predictor of gefitinib's effect on nasopharyngeal carcinoma. <i>Cancer Cell International</i> , 2014, 14, 24.	1.8	29

#	ARTICLE	IF	CITATIONS
1928	MicroRNA-155 as an inducer of apoptosis and cell differentiation in Acute Myeloid Leukaemia. <i>Molecular Cancer</i> , 2014, 13, 79.	7.9	79
1929	Sources of Individual Variability: Mirnas That Predispose to Neuropathic Pain Identified Using Genome-Wide Sequencing. <i>Molecular Pain</i> , 2014, 10, 1744-8069-10-22.	1.0	41
1930	Genetic variants in microRNAs and microRNA target sites predict biochemical recurrence after radical prostatectomy in localized prostate cancer. <i>International Journal of Cancer</i> , 2014, 135, 2661-2667.	2.3	40
1931	Differentiated expression of microRNAs may regulate genotype-dependent traits in cotton. <i>Gene</i> , 2014, 547, 233-238.	1.0	16
1932	Exosomes in human semen carry a distinctive repertoire of small non-coding RNAs with potential regulatory functions. <i>Nucleic Acids Research</i> , 2014, 42, 7290-7304.	6.5	486
1933	AGO1 controls arabidopsis inflorescence architecture possibly by regulating TFL1 expression. <i>Annals of Botany</i> , 2014, 114, 1471-1481.	1.4	23
1934	MicroRNA-146a alleviates chronic skin inflammation in atopic dermatitis through suppression of innate immune responses in keratinocytes. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 836-847.e11.	1.5	152
1935	Web scraping technologies in an API world. <i>Briefings in Bioinformatics</i> , 2014, 15, 788-797.	3.2	84
1936	Innovations in the management of Wilms's™ tumor. <i>Therapeutic Advances in Urology</i> , 2014, 6, 165-176.	0.9	31
1937	Integrated mRNA and microRNA transcriptome sequencing characterizes sequence variants and mRNA-microRNA regulatory network in nasopharyngeal carcinoma model systems. <i>FEBS Open Bio</i> , 2014, 4, 128-140.	1.0	38
1938	The involvement of InMIR167 in the regulation of expression of its target gene InARF8, and their participation in the vegetative and generative development of Ipomoea nil plants. <i>Journal of Plant Physiology</i> , 2014, 171, 225-234.	1.6	25
1939	Involvement of the insulin-like growth factor I receptor and its downstream antiapoptotic signaling pathway is revealed by dysregulated microRNAs in bladder carcinoma. <i>Urological Science</i> , 2014, 25, 58-64.	0.2	9
1940	Down-regulation of miR-199b associated with imatinib drug resistance in 9q34.1 deleted BCR/ABL positive CML patients. <i>Gene</i> , 2014, 542, 109-112.	1.0	42
1941	Hippocampal subregion-specific microRNA expression during epileptogenesis in experimental temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2014, 62, 508-520.	2.1	163
1942	MicroRNA Target Identification: Lessons from HypoxamiRs. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1249-1268.	2.5	12
1943	The miRNA-Mediated Cross-Talk between Transcripts Provides a Novel Layer of Posttranscriptional Regulation. <i>Advances in Genetics</i> , 2014, 85, 149-199.	0.8	29
1944	Roles of small <sc>RNA</sc>s in soybean defense against <i><sc>P</sc>hytophthora sojae</i> infection. <i>Plant Journal</i> , 2014, 79, 928-940.	2.8	122
1945	Post-transcriptional Regulation of Human Breast Cancer Cell Proteome by Unliganded Estrogen Receptor 1 ² via microRNAs. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 1076-1090.	2.5	33

#	ARTICLE	IF	CITATIONS
1946	MicroRNAs. <i>Veterinary Pathology</i> , 2014, 51, 759-774.	0.8	424
1947	Dynamic Expression of MicroRNA-127 During Porcine Prenatal and Postnatal Skeletal Muscle Development. <i>Journal of Integrative Agriculture</i> , 2014, 13, 1331-1339.	1.7	9
1948	Circulating microRNA profiling in patients with advanced non-squamous NSCLC receiving bevacizumab/erlotinib followed by platinum-based chemotherapy at progression (SAKK 19/05). <i>Lung Cancer</i> , 2014, 85, 306-313.	0.9	40
1949	Identification and characterisation of maize microRNA<sc>s involved in developing ears. <i>Plant Biology</i> , 2014, 16, 9-15.	1.8	10
1950	Issues and Prospects of microRNA-Based Biomarkers in Blood and Other Body Fluids. <i>Molecules</i> , 2014, 19, 6080-6105.	1.7	102
1951	miRNome in myocardial infarction: Future directions and perspective. <i>World Journal of Cardiology</i> , 2014, 6, 939.	0.5	14
1952	Common features of microRNA target prediction tools. <i>Frontiers in Genetics</i> , 2014, 5, 23.	1.1	356
1954	Integrated profiling of microRNA expression in membranous nephropathy using high-throughput sequencing technology. <i>International Journal of Molecular Medicine</i> , 2014, 33, 25-34.	1.8	26
1955	Role of miR-146a in human chondrocyte apoptosis in response to mechanical pressure injury in vitro. <i>International Journal of Molecular Medicine</i> , 2014, 34, 451-463.	1.8	88
1956	Genome-wide analysis of salt-responsive and novel microRNAs in <i>Populus euphratica</i> by deep sequencing. <i>BMC Genetics</i> , 2014, 15, S6.	2.7	43
1957	Improving miRNA-mRNA interaction predictions. <i>BMC Genomics</i> , 2014, 15, S2.	1.2	26
1958	Integrated analysis of long non-coding RNAs and mRNA expression profiles reveals the potential role of lncRNAs in gastric cancer pathogenesis. <i>International Journal of Oncology</i> , 2014, 45, 619-628.	1.4	64
1959	Natural products as potential cancer therapy enhancers: A preclinical update. <i>SAGE Open Medicine</i> , 2014, 2, 205031211454692.	0.7	46
1960	microRNA-194 suppresses osteosarcoma cell proliferation and metastasis in vitro and in vivo by targeting CDH2 and IGF1R. <i>International Journal of Oncology</i> , 2014, 45, 1437-1449.	1.4	66
1961	Identification and characterization of microRNA expression in <i>Ginkgo biloba</i> L. leaves. <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	0.6	32
1962	microRNA-18a regulates gastric carcinoma cell apoptosis and invasion by suppressing hypoxia-inducible factor-1 α expression. <i>Experimental and Therapeutic Medicine</i> , 2015, 10, 717-722.	0.8	32
1963	Regulatory variant in FZD 6 gene contributes to nonsyndromic cleft lip and palate in an African-American family. <i>Molecular Genetics & Genomic Medicine</i> , 2015, 3, 440-451.	0.6	23
1964	<sc>ADRA</sc>2A is involved in neuroendocrine regulation of bone resorption. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 1520-1529.	1.6	19

#	ARTICLE	IF	CITATIONS
1965	Cantharidin modulates the E2F1/MCM7-miR-106b-93/p21-PTEN signaling axis in MCF-7 breast cancer cells. <i>Oncology Letters</i> , 2015, 10, 2849-2855.	0.8	11
1966	Deregulated microRNA species in the plasma and placenta of patients with preeclampsia. <i>Molecular Medicine Reports</i> , 2015, 12, 527-534.	1.1	92
1967	miRNA target recognition using features of suboptimal alignments. <i>International Journal of Data Mining and Bioinformatics</i> , 2015, 13, 171.	0.1	1
1968	Cellular miR-130b inhibits replication of porcine reproductive and respiratory syndrome virus in vitro and in vivo. <i>Scientific Reports</i> , 2015, 5, 17010.	1.6	41
1969	Upregulation of microRNA-204 inhibits cell proliferation, migration and invasion in human renal cell carcinoma cells by downregulating SOX4. <i>Molecular Medicine Reports</i> , 2015, 12, 7059-7064.	1.1	25
1970	Integrative miRNA and Gene Expression Profiling Analysis of Human Quiescent Hepatic Stellate Cells. <i>Scientific Reports</i> , 2015, 5, 11549.	1.6	79
1971	Competing endogenous RNA: A novel posttranscriptional regulatory dimension associated with the progression of cancer. <i>Oncology Letters</i> , 2015, 10, 2683-2690.	0.8	28
1972	The bimodally expressed micro RNA miR-42 gates exit from pluripotency. <i>Molecular Systems Biology</i> , 2015, 11, 850.	3.2	26
1974	RBMMMDA: predicting multiple types of disease-microRNA associations. <i>Scientific Reports</i> , 2015, 5, 13877.	1.6	154
1975	HDAC inhibitor misprocesses bantam oncomiRNA, but stimulates hid induced apoptotic pathway. <i>Scientific Reports</i> , 2015, 5, 14747.	1.6	6
1976	Expression and clinical significance of microRNA-21, maspin and vascular endothelial growth factor-C in bladder cancer. <i>Oncology Letters</i> , 2015, 10, 2610-2616.	0.8	36
1977	Identification of miRNAs and their targets in transgenic <i>Brassica napus</i> and its acceptor (Westar) by high-throughput sequencing and degradome analysis. <i>RSC Advances</i> , 2015, 5, 85383-85394.	1.7	11
1978	ComiRNet: a web-based system for the analysis of miRNA-gene regulatory networks. <i>BMC Bioinformatics</i> , 2015, 16, S7.	1.2	43
1979	Impacts of Whole-Genome Triplication on miRNA Evolution in <i>Brassica rapa</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 3085-3096.	1.1	18
1980	Novel therapeutics for coronary artery disease from genome-wide association study data. <i>BMC Medical Genomics</i> , 2015, 8, S1.	0.7	26
1981	Inferring plant microRNA functional similarity using a weighted protein-protein interaction network. <i>BMC Bioinformatics</i> , 2015, 16, 361.	1.2	12
1982	Identification of four functionally important microRNA families with contrasting differential expression profiles between drought-tolerant and susceptible rice leaf at vegetative stage. <i>BMC Genomics</i> , 2015, 16, 692.	1.2	85
1983	Genome-wide identification and functional analysis of lincRNAs acting as miRNA targets or decoys in maize. <i>BMC Genomics</i> , 2015, 16, 793.	1.2	94

#	ARTICLE	IF	CITATIONS
1984	Deep sequencing of small RNA facilitates tissue and sex associated microRNA discovery in zebrafish. BMC Genomics, 2015, 16, 950.	1.2	25
1985	Genome-wide discovery and validation of Eucalyptus small RNAs reveals variable patterns of conservation and diversity across species of Myrtaceae. BMC Genomics, 2015, 16, 1113.	1.2	13
1986	Positionally-conserved but sequence-diverged: identification of long non-coding RNAs in the Brassicaceae and Cleomaceae. BMC Plant Biology, 2015, 15, 217.	1.6	64
1987	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
1988	Analysis of miRNA, mRNA, and TF interactions through network-based methods. Eurasip Journal on Bioinformatics and Systems Biology, 2015, 2015, 4.	1.4	22
1989	Targeting MicroRNAs in Prevention and Treatment of Neurodegenerative Disorders. Drug Development Research, 2015, 76, 397-418.	1.4	25
1990	RegNetwork: an integrated database of transcriptional and post-transcriptional regulatory networks in human and mouse. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav095.	1.4	338
1991	Evaluation of MicroRNA375 as a Novel Biomarker for Graft Damage in Clinical Islet Transplantation. Transplantation, 2015, 99, 1568-1573.	0.5	46
1992	Robust Distal Tip Cell Pathfinding in the Face of Temperature Stress Is Ensured by Two Conserved microRNAs in <i>Caenorhabditis elegans</i> . Genetics, 2015, 200, 1201-1218.	1.2	30
1993	Could the Anti-Chaperone VER155008 Replace Temozolomide for Glioma Treatment. Journal of Cancer, 2015, 6, 786-794.	1.2	10
1994	Insights into the dynamics of hind leg development in honey bee (<i>Apis mellifera</i> L.) queen and worker larvae - A morphology/differential gene expression analysis. Genetics and Molecular Biology, 2015, 38, 263-277.	0.6	8
1995	Diagnostic and Prognostic Applications of MicroRNA-Abundant Circulating Exosomes. , 2015, , 223-256.		0
1996	Genome-wide Mapping and Analysis of Grapevine MicroRNAs and Their Potential Target Genes. Plant Genome, 2015, 8, eplantgenome2014.12.0091.	1.6	35
1997	KRAS-dependent sorting of miRNA to exosomes. ELife, 2015, 4, e07197.	2.8	296
1998	MIR-429 Inhibits Oral Squamous Cell Carcinoma Growth by Targeting ZEB1. Medical Science Monitor, 2015, 21, 383-389.	0.5	33
1999	Bioinformatic Interrogation of 5p-arm and 3p-arm Specific miRNA Expression Using TCGA Datasets. Journal of Clinical Medicine, 2015, 4, 1798-1814.	1.0	19
2000	Identification of MicroRNAs and Target Genes in the Fruit and Shoot Tip of <i>Lycium chinense</i> : A Traditional Chinese Medicinal Plant. PLoS ONE, 2015, 10, e0116334.	1.1	27
2001	Protein Interactome of Muscle Invasive Bladder Cancer. PLoS ONE, 2015, 10, e0116404.	1.1	12

#	ARTICLE	IF	CITATIONS
2002	Expression Profiling of Preadipocyte MicroRNAs by Deep Sequencing on Chicken Lines Divergently Selected for Abdominal Fatness. PLoS ONE, 2015, 10, e0117843.	1.1	24
2003	Alternative Polyadenylation Allows Differential Negative Feedback of Human miRNA miR-579 on Its Host Gene ZFR. PLoS ONE, 2015, 10, e0121507.	1.1	24
2004	Small RNA Sequencing for Profiling MicroRNAs in Long-Term Preserved Formalin-Fixed and Paraffin-Embedded Non-Small Cell Lung Cancer Tumor Specimens. PLoS ONE, 2015, 10, e0121521.	1.1	19
2005	Identifying TF-MiRNA Regulatory Relationships Using Multiple Features. PLoS ONE, 2015, 10, e0125156.	1.1	3
2006	Transcriptome-Wide Identification of miRNAs and Their Targets from <i>Typha angustifolia</i> by RNA-Seq and Their Response to Cadmium Stress. PLoS ONE, 2015, 10, e0125462.	1.1	20
2007	Rice <i>osa-miR171c</i> Mediates Phase Change from Vegetative to Reproductive Development and Shoot Apical Meristem Maintenance by Repressing Four OsHAM Transcription Factors. PLoS ONE, 2015, 10, e0125833.	1.1	61
2008	Barley Stripe Mosaic Virus (BSMV) Induced MicroRNA Silencing in Common Wheat (<i>Triticum aestivum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	27
2009	Release of Small RNA-containing Exosome-like Vesicles from the Human Filarial Parasite <i>Brugia malayi</i> . PLoS Neglected Tropical Diseases, 2015, 9, e0004069.	1.3	170
2010	MicroRNA Expression Profile in Penile Cancer Revealed by Next-Generation Small RNA Sequencing. PLoS ONE, 2015, 10, e0131336.	1.1	30
2011	Oncogenic Role of miR-15a-3p in 13q Amplicon-Driven Colorectal Adenoma-to-Carcinoma Progression. PLoS ONE, 2015, 10, e0132495.	1.1	22
2012	Identification of MicroRNAs in <i>Meloidogyne incognita</i> Using Deep Sequencing. PLoS ONE, 2015, 10, e0133491.	1.1	19
2013	Improved Methods to Generate Spheroid Cultures from Tumor Cells, Tumor Cells & Fibroblasts or Tumor-Fragments: Microenvironment, Microvesicles and MiRNA. PLoS ONE, 2015, 10, e0133895.	1.1	28
2014	Down but Not Out: The Role of MicroRNAs in Hibernating Bats. PLoS ONE, 2015, 10, e0135064.	1.1	22
2015	SncRNA715 Inhibits Schwann Cell Myelin Basic Protein Synthesis. PLoS ONE, 2015, 10, e0136900.	1.1	8
2016	Investigation of the Application of miR10b and miR135b in the Identification of Semen Stains. PLoS ONE, 2015, 10, e0137067.	1.1	12
2017	RNA Thermodynamic Structural Entropy. PLoS ONE, 2015, 10, e0137859.	1.1	17
2018	Survival and Diversity of Human Homologous Dietary MicroRNAs in Conventionally Cooked Top Sirloin and Dried Bovine Tissue Extracts. PLoS ONE, 2015, 10, e0138275.	1.1	15
2019	Role of bioinformatics in establishing microRNAs as modulators of abiotic stress responses: the new revolution. Frontiers in Physiology, 2015, 6, 286.	1.3	37

#	ARTICLE	IF	CITATIONS
2020	Identification and Characterization of Novel Maize Mirnas Involved in Different Genetic Background. International Journal of Biological Sciences, 2015, 11, 781-793.	2.6	19
2021	Update on Biomarkers for the Detection of Endometriosis. BioMed Research International, 2015, 2015, 1-14.	0.9	143
2022	miR-451a Inhibited Cell Proliferation and Enhanced Tamoxifen Sensitive in Breast Cancer via Macrophage Migration Inhibitory Factor. BioMed Research International, 2015, 2015, 1-12.	0.9	31
2023	Herb-Partitioned Moxibustion and the miRNAs Related to Crohn's Disease: A Study Based on Rat Models. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-13.	0.5	25
2024	Predicting effective microRNA target sites in mammalian mRNAs. ELife, 2015, 4, .	2.8	5,779
2025	miRNA Influences in NRF2 Pathway Interactions within Cancer Models. Journal of Nucleic Acids, 2015, 2015, 1-6.	0.8	48
2026	Dual regulation by microRNA-200b-3p and microRNA-200b-5p in the inhibition of epithelial-to-mesenchymal transition in triple-negative breast cancer. Oncotarget, 2015, 6, 16638-16652.	0.8	86
2027	Genomic instability and carcinogenesis. , 0, , 93-112.		0
2028	Hsa-miR-331-3p inhibits VHL expression by directly targeting its mRNA 3'-UTR in HCC cell lines. Acta Biochimica Polonica, 2015, 62, 77-82.	0.3	15
2029	MiR-195 suppresses non-small cell lung cancer by targeting CHEK1. Oncotarget, 2015, 6, 9445-9456.	0.8	140
2030	In situ Detection of MicroRNAs: The Art of MicroRNA Research in Human Diseases. Journal of Cytology & Histology, 2015, s3, .	0.1	3
2031	Evaluating microRNA profiles reveals discriminative responses following genotoxic or non-genotoxic carcinogen exposure in primary mouse hepatocytes. Mutagenesis, 2015, 30, 771-784.	1.0	17
2032	miR-222 Overexpression May Contribute to Liver Fibrosis in Biliary Atresia by Targeting <i>PPP2R2A</i> . Journal of Pediatric Gastroenterology and Nutrition, 2015, 60, 84-90.	0.9	24
2033	Regulation of NF- κ B signaling by oxidized glycerophospholipid and IL-1 β induced miRs-21-3p and -27a-5p in human aortic endothelial cells. Journal of Lipid Research, 2015, 56, 38-50.	2.0	33
2034	Inferring data-specific micro-RNA function through the joint ranking of micro-RNA and pathways from matched micro-RNA and gene expression data. Bioinformatics, 2015, 31, 2822-2828.	1.8	4
2035	Tumor-Suppressing Effect of MiR-4458 on Human Hepatocellular Carcinoma. Cellular Physiology and Biochemistry, 2015, 35, 1797-1807.	1.1	30
2036	MiR-34a, miR-21 and miR-23a as potential biomarkers for coronary artery disease: a pilot microarray study and confirmation in a 32 patient cohort. Experimental and Molecular Medicine, 2015, 47, e138-e138.	3.2	78
2037	High quality reference genome of drumstick tree (<i>Moringa oleifera</i> Lam.), a potential perennial crop. Science China Life Sciences, 2015, 58, 627-638.	2.3	53

#	ARTICLE	IF	CITATIONS
2038	Bias in Ligation-Based Small RNA Sequencing Library Construction Is Determined by Adaptor and RNA Structure. <i>PLoS ONE</i> , 2015, 10, e0126049.	1.1	153
2039	The implications on clinical diagnostics of using microRNA-based biomarkers in exercise. <i>Expert Review of Molecular Diagnostics</i> , 2015, 15, 761-772.	1.5	19
2040	The use of high-throughput sequencing methods for plant microRNA research. <i>RNA Biology</i> , 2015, 12, 709-719.	1.5	50
2041	Translational regulation shapes the molecular landscape of complex disease phenotypes. <i>Nature Communications</i> , 2015, 6, 7200.	5.8	79
2042	Principles of miRNA-mRNA interactions: beyond sequence complementarity. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 3127-3141.	2.4	144
2043	Genome-Wide Identification of microRNAs and Their Targets in Cold-Stored Potato Tubers by Deep Sequencing and Degradome Analysis. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 584-597.	1.0	17
2044	Different MicroRNA Profiles in Chronic Epilepsy Versus Acute Seizure Mouse Models. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 466-479.	1.1	63
2045	Construction of regulatory networks mediated by small RNAs responsive to abiotic stresses in rice (<i>Oryza sativa</i>). <i>Computational Biology and Chemistry</i> , 2015, 58, 69-80.	1.1	9
2046	In silico analysis and expression profiling of miRNAs targeting genes of steviol glycosides biosynthetic pathway and their relationship with steviol glycosides content in different tissues of <i>Stevia rebaudiana</i> . <i>Plant Physiology and Biochemistry</i> , 2015, 94, 57-64.	2.8	27
2047	Altered DNA methylation in PAH deficient phenylketonuria. <i>Molecular Genetics and Metabolism</i> , 2015, 115, 72-77.	0.5	20
2048	Identification of lung cancer miRNA-miRNA co-regulation networks through a progressive data refining approach. <i>Journal of Theoretical Biology</i> , 2015, 380, 271-279.	0.8	18
2049	Evidence That Up-Regulation of MicroRNA-29 Contributes to Postnatal Body Growth Deceleration. <i>Molecular Endocrinology</i> , 2015, 29, 921-932.	3.7	21
2050	miRNA-196b inhibits cell proliferation and induces apoptosis in HepG2 cells by targeting IGF2BP1. <i>Molecular Cancer</i> , 2015, 14, 79.	7.9	52
2051	Systematic discovery and characterization of stress-related microRNA genes in <i>Oryza sativa</i> . <i>Biologia (Poland)</i> , 2015, 70, 75-84.	0.8	1
2052	The schizophrenia risk gene product miR-137 alters presynaptic plasticity. <i>Nature Neuroscience</i> , 2015, 18, 1008-1016.	7.1	191
2053	Genome-wide identification of microRNAs associated with taproot development in radish (<i>Raphanus</i>) Tj ETQq1 1 0.784314 rgBT /Over to 96	1.0	16
2054	Inflammation-Associated MicroRNA-130b Down-Regulates Cytochrome P450 Activities and Directly Targets CYP2C9. <i>Drug Metabolism and Disposition</i> , 2015, 43, 884-888.	1.7	69
2055	APP intracellular domain acts as a transcriptional regulator of miR-663 suppressing neuronal differentiation. <i>Cell Death and Disease</i> , 2015, 6, e1651-e1651.	2.7	42

#	ARTICLE	IF	CITATIONS
2056	Using multiple online databases to help identify microRNA<sc>s regulating the airway epithelial cell response to a virus-like stimulus. <i>Respirology</i> , 2015, 20, 1206-1212.	1.3	18
2057	Downregulation of <i>Gabra4</i> expression during alcohol withdrawal is mediated by specific microRNA<sc>s in cultured mouse cortical neurons. <i>Brain and Behavior</i> , 2015, 5, e00355.	1.0	17
2058	Loss of serum response factor induces microRNA-mediated apoptosis in intestinal smooth muscle cells. <i>Cell Death and Disease</i> , 2015, 6, e2011-e2011.	2.7	17
2059	microRNAs in Mitochondria: An Unexplored Niche. <i>Advances in Experimental Medicine and Biology</i> , 2015, 887, 31-51.	0.8	35
2061	Efficient exploration of pan-cancer networks by generalized covariance selection and interactive web content. <i>Nucleic Acids Research</i> , 2015, 43, e98-e98.	6.5	16
2062	RNAi Technology: A Potential Tool in Plant Breeding. , 2015, , 397-427.		4
2063	Identification of microRNAs associated with male flower bud development of <i>Populus simonii</i> — <i>Populus nigra</i> . <i>Trees - Structure and Function</i> , 2015, 29, 1329-1339.	0.9	4
2064	Potential microRNA biomarkers for acute ischemic stroke. <i>International Journal of Molecular Medicine</i> , 2015, 36, 1639-1647.	1.8	32
2065	MicroRNA heterogeneity in endometrial cancer cell lines revealed by deep sequencing. <i>Oncology Letters</i> , 2015, 10, 3457-3465.	0.8	14
2066	Functional Network Analysis Reveals Versatile MicroRNAs in Human Heart. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 1628-1643.	1.1	17
2067	Rapid divergence and high diversity of miRNAs and miRNA targets in the <i>Camelineae</i> . <i>Plant Journal</i> , 2015, 81, 597-610.	2.8	20
2068	Nanoparticles in food. Epigenetic changes induced by nanomaterials and possible impact on health. <i>Food and Chemical Toxicology</i> , 2015, 77, 64-73.	1.8	116
2069	Small RNA and Degradome Deep Sequencing Reveals Peanut MicroRNA Roles in Response to Pathogen Infection. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 1013-1029.	1.0	49
2070	Small molecule chemical probes of microRNA function. <i>Current Opinion in Chemical Biology</i> , 2015, 24, 97-103.	2.8	48
2071	The role of microRNA-30c in the self-renewal and differentiation of C6 glioma cells. <i>Stem Cell Research</i> , 2015, 14, 211-223.	0.3	13
2072	microRNAs targeting the immunomodulatory HLA-G gene: A new survey searching for microRNAs with potential to regulate HLA-G. <i>Molecular Immunology</i> , 2015, 65, 230-241.	1.0	61
2073	High-throughput characterization of <i>Echinococcus</i> spp. metacestode miRNomes. <i>International Journal for Parasitology</i> , 2015, 45, 253-267.	1.3	53
2074	MicroRNA<sc>s in melanocyte and melanoma biology. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 340-354.	1.5	48

#	ARTICLE	IF	CITATIONS
2075	The phylogenetic utility and functional constraint of microRNA flanking sequences. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142983.	1.2	17
2076	Loss of miRNAs during Processing and Storage of Cow's (<i>Bos taurus</i>) Milk. Journal of Agricultural and Food Chemistry, 2015, 63, 588-592.	2.4	112
2077	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
2078	Cellular microRNA-miR-548g-3p modulates the replication of dengue virus. Journal of Infection, 2015, 70, 631-640.	1.7	63
2079	MicroRNA expression profiling and functional annotation analysis of their targets associated with the malignant transformation of oral leukoplakia. Gene, 2015, 558, 271-277.	1.0	19
2080	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
2081	MicroRNA Biogenesis in Regenerative Medicine. , 2015, , 3-46.		4
2082	Genome-wide discovery of novel and conserved microRNAs in white shrimp (<i>Litopenaeus vannamei</i>). Molecular Biology Reports, 2015, 42, 61-69.	1.0	18
2083	Functional analysis of miR-181a and Fas involved in hepatitis B virus-related hepatocellular carcinoma pathogenesis. Experimental Cell Research, 2015, 331, 352-361.	1.2	21
2084	miRNA-17 Members that Target <i>Bmpr2</i> Influence Signaling Mechanisms Important for Embryonic Stem Cell Differentiation In Vitro and Gastrulation in Embryos. Stem Cells and Development, 2015, 24, 354-371.	1.1	26
2085	ExcellmiRDB for Translational Genomics: A Curated Online Resource for Extracellular MicroRNAs. OMICS A Journal of Integrative Biology, 2015, 19, 24-30.	1.0	18
2086	Role of microRNAs in plant drought tolerance. Plant Biotechnology Journal, 2015, 13, 293-305.	4.1	229
2087	Identification and characterization of microRNAs by deep-sequencing in <i>Hyalomma anatolicum anatolicum</i> (Acari: Ixodidae) ticks. Gene, 2015, 564, 125-133.	1.0	23
2088	Synthetic biology devices and circuits for RNA-based "smart vaccines": a propositional review. Expert Review of Vaccines, 2015, 14, 313-331.	2.0	33
2089	Integrated miRNA and mRNA profiling of tumor-educated macrophages identifies prognostic subgroups in estrogen receptor-positive breast cancer. Molecular Oncology, 2015, 9, 155-166.	2.1	14
2090	Identification of microRNAs differentially expressed involved in male flower development. Functional and Integrative Genomics, 2015, 15, 225-232.	1.4	14
2091	The characteristics of the porcine (<i>Sus scrofa</i>) liver miRNAsome with the use of next generation sequencing. Journal of Applied Genetics, 2015, 56, 239-252.	1.0	5
2092	Biotechnology of Euphorbiaceae (<i>Jatropha curcas</i> , <i>Manihot esculenta</i> , <i>Ricinus communis</i>). , 2015, , 87-114.		4

#	ARTICLE	IF	CITATIONS
2093	Laboratory Methods in Epigenetics. , 2015, , 7-35.		0
2094	The Genome 10K Project: A Way Forward. Annual Review of Animal Biosciences, 2015, 3, 57-111.	3.6	294
2095	A Potassium Ion-Dependent RNA Structural Switch Regulates Human Pre-miRNA 92b Maturation. Chemistry and Biology, 2015, 22, 262-272.	6.2	107
2096	MicroRNAs in Tissue Engineering and Regenerative Medicine. , 2015, , 1159-1200.		1
2097	Detection of hypoxia markers in the cerebellum after a traumatic frontal cortex injury: a human postmortem gene expression analysis. International Journal of Legal Medicine, 2015, 129, 701-707.	1.2	27
2098	A global microRNA screen identifies regulators of the ErbB receptor signaling network. Cell Communication and Signaling, 2015, 13, 5.	2.7	35
2099	Structure of precursor microRNAâ€™s terminal loop regulates human Dicerâ€™s dicing activity by switching DExH/D domain. Protein and Cell, 2015, 6, 185-193.	4.8	18
2100	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
2101	Microvesicle-associated microRNA expression is altered upon particulate matter exposure in healthy workers and in A549 cells. Journal of Applied Toxicology, 2015, 35, 59-67.	1.4	84
2102	Chimira: analysis of small RNA sequencing data and microRNA modifications. Bioinformatics, 2015, 31, 3365-3367.	1.8	118
2103	Down-regulation of hsa-miR-1264 contributes to DNMT1-mediated silencing of SOCS3. Molecular Biology Reports, 2015, 42, 1365-1376.	1.0	20
2104	Polymorphism in the Serotonin Receptor 2a (HTR2A) Gene as Possible Predisposal Factor for Aggressive Traits. PLoS ONE, 2015, 10, e0117792.	1.1	38
2105	Analysis of shared miRNAs of different species using ensemble CCA and genetic distance. Computers in Biology and Medicine, 2015, 64, 261-267.	3.9	0
2106	Why is microRNA action tissue specific? A putative defense mechanism against growth disorders, tumor development or progression mediated by circulating microRNA?. Medical Hypotheses, 2015, 85, 530-533.	0.8	9
2107	Distinct and Cooperative Activities of HESO1 and URT1 Nucleotidyl Transferases in MicroRNA Turnover in Arabidopsis. PLoS Genetics, 2015, 11, e1005119.	1.5	125
2108	miR-155 Is Essential for Inflammation-Induced Hippocampal Neurogenic Dysfunction. Journal of Neuroscience, 2015, 35, 9764-9781.	1.7	83
2109	Identification of cytokine-induced modulation of microRNA expression and secretion as measured by a novel microRNA specific qPCR assay. Scientific Reports, 2015, 5, 11590.	1.6	55
2110	Overexpression of miR-145â€™5p Inhibits Proliferation of Prostate Cancer Cells and Reduces SOX2 Expression. Cancer Investigation, 2015, 33, 251-258.	0.6	73

#	ARTICLE	IF	CITATIONS
2111	Sequence Features of Drosha and Dicer Cleavage Sites Affect the Complexity of IsomiRs. <i>International Journal of Molecular Sciences</i> , 2015, 16, 8110-8127.	1.8	52
2112	MiR-204 is responsible for inherited retinal dystrophy associated with ocular coloboma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3236-45.	3.3	90
2113	Circulating Toll-like receptor 4-responsive microRNA panel in patients with coronary artery disease: results from prospective and randomized study of treatment with renin-angiotensin system blockade. <i>Clinical Science</i> , 2015, 128, 483-491.	1.8	34
2114	Bioinformatic analysis of miRNAs targeting the key nuclear receptors regulating CYP3A4 gene expression: The challenge of the CYP3A4 "missing heritability" enigma. <i>Journal of Applied Biomedicine</i> , 2015, 13, 181-188.	0.6	7
2115	Human miR-3145 inhibits influenza A viruses replication by targeting and silencing viral PB1 gene. <i>Experimental Biology and Medicine</i> , 2015, 240, 1630-1639.	1.1	61
2116	MiR-539 inhibits thyroid cancer cell migration and invasion by directly targeting CARMA1. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 1128-1133.	1.0	50
2117	Transcriptome analysis of mRNA and miRNA in skeletal muscle indicates an important network for differential Residual Feed Intake in pigs. <i>Scientific Reports</i> , 2015, 5, 11953.	1.6	137
2118	The genetics of celiac disease: A comprehensive review of clinical implications. <i>Journal of Autoimmunity</i> , 2015, 64, 26-41.	3.0	117
2119	Improving small RNA-seq by using a synthetic spike-in set for size-range quality control together with a set for data normalization. <i>Nucleic Acids Research</i> , 2015, 43, e89-e89.	6.5	35
2120	microRNA Biomarker Discovery and High-Throughput DNA Sequencing Are Possible Using Long-term Archived Serum Samples. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 1381-1387.	1.1	35
2121	Identification and Functional Validation of Reciprocal microRNA-mRNA Pairings in African American Prostate Cancer Disparities. <i>Clinical Cancer Research</i> , 2015, 21, 4970-4984.	3.2	74
2122	Small-RNA asymmetry is directly driven by mammalian Argonautes. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 512-521.	3.6	75
2123	Genome-wide identification of turnip mosaic virus-responsive microRNAs in non-heading Chinese cabbage by high-throughput sequencing. <i>Gene</i> , 2015, 571, 178-187.	1.0	26
2124	miR-216a regulates snx5, a novel notch signaling pathway component, during zebrafish retinal development. <i>Developmental Biology</i> , 2015, 400, 72-81.	0.9	30
2125	Identifying the Biological Basis of GWAS Hits for Endometriosis1. <i>Biology of Reproduction</i> , 2015, 92, 87.	1.2	55
2126	Functional interactions among members of the miR-17-92 cluster in lymphocyte development, differentiation and malignant transformation. <i>International Immunopharmacology</i> , 2015, 28, 854-858.	1.7	13
2127	Identification of differentially expressed microRNAs in placentas of cloned and normally produced calves by Solexa sequencing. <i>Animal Reproduction Science</i> , 2015, 155, 64-74.	0.5	10
2128	Annotation of the goat genome using next generation sequencing of microRNA expressed by the lactating mammary gland: comparison of three approaches. <i>BMC Genomics</i> , 2015, 16, 285.	1.2	39

#	ARTICLE	IF	CITATIONS
2129	MicroRNA-mediated regulation of differentiation and trans-differentiation in stem cells. <i>Advanced Drug Delivery Reviews</i> , 2015, 88, 3-15.	6.6	53
2130	Tissue-aware data integration approach for the inference of pathway interactions in metazoan organisms. <i>Bioinformatics</i> , 2015, 31, 1093-1101.	1.8	99
2131	Analysis of 13 cell types reveals evidence for the expression of numerous novel primate- and tissue-specific microRNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1106-15.	3.3	376
2132	MicroRNAs in cotton: an open world needs more exploration. <i>Planta</i> , 2015, 241, 1303-1312.	1.6	21
2133	Epidrug mediated re-expression of miRNA targeting the HMGA transcripts in pituitary cells. <i>Pituitary</i> , 2015, 18, 674-684.	1.6	16
2134	Molecular cloning and expression analysis of the STAT1 gene in the water buffalo (<i>Bubalus bubalis</i>). <i>Tropical Animal Health and Production</i> , 2015, 47, 53-59.	0.5	4
2135	Overlapping mouse subcongenic strains successfully separate two linked body fat QTL on distal MMU 2. <i>BMC Genomics</i> , 2015, 16, 16.	1.2	16
2136	Identification and characterization of microRNAs from Chinese pollination constant non-astringent persimmon using high-throughput sequencing. <i>BMC Plant Biology</i> , 2015, 15, 11.	1.6	52
2137	Dependence of Intracellular and Exosomal microRNAs on Viral E6/E7 Oncogene Expression in HPV-positive Tumor Cells. <i>PLoS Pathogens</i> , 2015, 11, e1004712.	2.1	191
2138	Heme oxygenase-1 modulates microRNA expression in cultured astroglia: Implications for chronic brain disorders. <i>Glia</i> , 2015, 63, 1270-1284.	2.5	38
2139	MicroRNAs expression patterns in the response of poplar woody root to bending stress. <i>Planta</i> , 2015, 242, 339-351.	1.6	17
2140	Characterization of the mammalian miRNA turnover landscape. <i>Nucleic Acids Research</i> , 2015, 43, 2326-2341.	6.5	92
2141	MicroRNAs and the regulation of aldosterone signaling in the kidney. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C521-C527.	2.1	17
2142	Implications of <i>miR166</i> and <i>miR159</i> induction to the basal response mechanisms of an andigena potato (<i>Solanum tuberosum</i> subsp. <i>andigena</i>) to salinity stress, predicted from network models in <i>Arabidopsis</i> . <i>Genome</i> , 2015, 58, 13-24.	0.9	38
2143	Two less common human microRNAs miR-875 and miR-3144 target a conserved site of E6 oncogene in most high-risk human papillomavirus subtypes. <i>Protein and Cell</i> , 2015, 6, 575-588.	4.8	22
2144	The miRNA Transcriptome Directly Reflects the Physiological and Biochemical Differences between Red, White, and Intermediate Muscle Fiber Types. <i>International Journal of Molecular Sciences</i> , 2015, 16, 9635-9653.	1.8	20
2145	Expression Profile of MicroRNAs in Gram-Negative Bacterial Sepsis. <i>Shock</i> , 2015, 43, 121-127.	1.0	39
2146	MicroRNA-301a modulates doxorubicin resistance in osteosarcoma cells by targeting AMP-activated protein kinase alpha 1. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 367-373.	1.0	68

#	ARTICLE	IF	CITATIONS
2147	Regulation of the alkaloid biosynthesis by mi<scp>RNA</scp> in opium poppy. <i>Plant Biotechnology Journal</i> , 2015, 13, 409-420.	4.1	97
2148	MicroRNAs and oncolytic viruses. <i>Current Opinion in Virology</i> , 2015, 13, 40-48.	2.6	57
2149	Tracking MicroRNAs with a Potential for Virulence Regulation in the Pea Aphid, <i>Acyrtosiphon pisum</i> Harris (Hemiptera: Aphidae), and the Asian Citrus Psyllid, <i>Diaphorina citri</i> Kuwayama (Hemiptera: Tj ETQq0 0 0rgBT /Overlock 10 T	0.7	10
2150	Identification of miR-10b, miR-26a, miR-146a and miR-153 as potential triple-negative breast cancer biomarkers. <i>Cellular Oncology (Dordrecht)</i> , 2015, 38, 433-442.	2.1	59
2151	microRNAs as pharmacogenomic biomarkers for drug efficacy and drug safety assessment. <i>Biomarkers in Medicine</i> , 2015, 9, 1153-1176.	0.6	64
2152	Draft genome assemblies and predicted microRNA complements of the intertidal lophotrochozoans <i>Patella vulgata</i> (Mollusca, Patellogastropoda) and <i>Spirobranchus (Pomatoceros) lamarcki</i> (Annelida.) Tj ETQq1 1 0 784314 rgBT /Over	0.7	14
2153	Non Coding RNA Molecules as Potential Biomarkers in Breast Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2015, 867, 263-275.	0.8	32
2154	MicroRNA-139 suppresses proliferation in luminal type breast cancer cells by targeting Topoisomerase II alpha. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 1077-1083.	1.0	25
2155	Asymmetric bulges and mismatches determine 20-nt microRNA formation in plants. <i>RNA Biology</i> , 2015, 12, 1054-1066.	1.5	36
2156	The microRNA-183 cluster: the family that plays together stays together. <i>Nucleic Acids Research</i> , 2015, 43, 7173-7188.	6.5	169
2157	An efficient and sensitive method for preparing cDNA libraries from scarce biological samples. <i>Nucleic Acids Research</i> , 2015, 43, e1-e1.	6.5	16
2158	The expression profile of <i>Aedes albopictus</i> miRNAs is altered by dengue virus serotype-2 infection. <i>Cell and Bioscience</i> , 2015, 5, 16.	2.1	94
2159	MicroRNAs and targets in senescent litchi fruit during ambient storage and post-cold storage shelf life. <i>BMC Plant Biology</i> , 2015, 15, 181.	1.6	37
2160	RAG-3D: a search tool for RNA 3D substructures. <i>Nucleic Acids Research</i> , 2015, 43, 9474-9488.	6.5	28
2161	Corticostriatal microRNAs in addiction. <i>Brain Research</i> , 2015, 1628, 2-16.	1.1	23
2162	DNMT1 mediates chemosensitivity by reducing methylation of miRNA-20a promoter in glioma cells. <i>Experimental and Molecular Medicine</i> , 2015, 47, e182-e182.	3.2	46
2163	Assessment of miRNA expression profile and differential expression pattern of target genes in cold-tolerant and cold-sensitive tomato cultivars. <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 851-860.	0.5	32
2164	Identification and profiling of miRNAs in the freeze-avoiding gall moth <i>Epiblema scudderiana</i> via next-generation sequencing. <i>Molecular and Cellular Biochemistry</i> , 2015, 410, 155-163.	1.4	36

#	ARTICLE	IF	CITATIONS
2165	Evolutionarily Dynamic, but Robust, Targeting of Resistance Genes by the miR482/2118 Gene Family in the Solanaceae. <i>Genome Biology and Evolution</i> , 2015, 7, 3307-3321.	1.1	86
2166	piRNA-like small RNAs mark extended 3'UTRs present in germ and somatic cells. <i>BMC Genomics</i> , 2015, 16, 462.	1.2	14
2167	Integrated approaches to miRNAs target definition: time-series analysis in an osteosarcoma differentiative model. <i>BMC Medical Genomics</i> , 2015, 8, 34.	0.7	15
2168	A microRNA expression atlas of mouse dendritic cell development. <i>Immunology and Cell Biology</i> , 2015, 93, 480-485.	1.0	9
2169	A system biology approach for understanding the miRNA regulatory network in colon rectal cancer. <i>International Journal of Data Mining and Bioinformatics</i> , 2015, 11, 1.	0.1	2
2170	MicroRNA and mRNA expression profiling in metastatic melanoma reveal associations with BRAF mutation and patient prognosis. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 254-266.	1.5	59
2171	Temporal expression profiling of novel <i>Spodoptera litura</i> nucleopolyhedrovirus-encoded microRNAs upon infection of Sf21 cells. <i>Journal of General Virology</i> , 2015, 96, 688-700.	1.3	16
2172	Prediction of clinical outcome in glioblastoma using a biologically relevant microRNA signature. <i>Molecular Oncology</i> , 2015, 9, 704-714.	2.1	56
2173	Identification of a polyomavirus microRNA highly expressed in tumors. <i>Virology</i> , 2015, 476, 43-53.	1.1	26
2174	Deep sequencing analyses of pine wood nematode <i>Bursaphelenchus xylophilus</i> microRNAs reveal distinct miRNA expression patterns during the pathological process of pine wilt disease. <i>Gene</i> , 2015, 555, 346-356.	1.0	22
2175	Selected Extracellular microRNA as Potential Biomarkers of Multiple Sclerosis Activity? Preliminary Study. <i>Journal of Molecular Neuroscience</i> , 2015, 56, 154-163.	1.1	42
2176	Let-7c overexpression inhibits dengue virus replication in human hepatoma Huh-7 cells. <i>Virus Research</i> , 2015, 196, 105-112.	1.1	45
2177	The effects of microRNA on the absorption, distribution, metabolism and excretion of drugs. <i>British Journal of Pharmacology</i> , 2015, 172, 2733-2747.	2.7	32
2178	MicroRNA-Based Biotechnology for Plant Improvement. <i>Journal of Cellular Physiology</i> , 2015, 230, 1-15.	2.0	188
2179	The dynamic regulation of microRNAs circuits in plant adaptation to abiotic stresses: A survey on molecular, physiological and methodological aspects. <i>Environmental and Experimental Botany</i> , 2015, 114, 65-79.	2.0	5
2180	Epigenetic regulation of persistent pain. <i>Translational Research</i> , 2015, 165, 177-199.	2.2	59
2181	MicroRNA Polymorphisms and Risk of Colorectal Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 65-72.	1.1	11
2182	Systems analysis reveals down-regulation of a network of pro-survival miRNAs drives the apoptotic response in dilated cardiomyopathy. <i>Molecular BioSystems</i> , 2015, 11, 239-251.	2.9	23

#	ARTICLE	IF	CITATIONS
2183	Association study of single nucleotide polymorphisms in mature microRNAs and the risk of thyroid tumor in a Chinese population. <i>Endocrine</i> , 2015, 49, 436-444.	1.1	32
2184	Identification of microRNAs differentially expressed in prostatic secretions of patients with prostate cancer. <i>International Journal of Cancer</i> , 2015, 136, 875-879.	2.3	42
2185	Deficiency of the miR-29a/b-1 cluster leads to ataxic features and cerebellar alterations in mice. <i>Neurobiology of Disease</i> , 2015, 73, 275-288.	2.1	46
2186	microRNA biogenesis, degradation and activity in plants. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 87-99.	2.4	113
2187	Differential expression of microRNA<sc>s and other small RNA<sc>s in barley between water and drought conditions. <i>Plant Biotechnology Journal</i> , 2015, 13, 2-13.	4.1	134
2188	microRNAs regulate TAL1 expression in T-cell acute lymphoblastic leukemia. <i>Oncotarget</i> , 2016, 7, 8268-8281.	0.8	27
2189	Pivotal role of microRNA-9 in osteosarcoma tumorigenesis and tumor progression. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	8
2190	Circulating Noncoding RNAs as Clinical Biomarkers. , 2016, , 239-258.		4
2191	Particulate Air Pollution Exposure and Expression of Viral and Human MicroRNAs in Blood: The Beijing Truck Driver Air Pollution Study. <i>Environmental Health Perspectives</i> , 2016, 124, 344-350.	2.8	34
2192	Characterization and comparison of flower bud microRNAs from yellow-horn species. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	4
2193	Genome-wide identification and characterisation of HOT regions in the human genome. <i>BMC Genomics</i> , 2016, 17, 733.	1.2	11
2194	AmiRNA Designer - new method of artificial miRNA design.. <i>Acta Biochimica Polonica</i> , 2016, 63, 71-77.	0.3	17
2195	Epigenetic Regulation of Innate Immunity by microRNAs. <i>Antibodies</i> , 2016, 5, 8.	1.2	10
2196	Reaping the Benefits of Next-generation Sequencing Technologies for Crop Improvement “ Solanaceae. , 0, , .		1
2197	HGIMDA: Heterogeneous graph inference for miRNA-disease association prediction. <i>Oncotarget</i> , 2016, 7, 65257-65269.	0.8	219
2198	High Percentage of Isomeric Human MicroRNA and Their Analytical Challenges. <i>Non-coding RNA</i> , 2016, 2, 13.	1.3	1
2199	Diagnostic value of microRNAs in asbestos exposure and malignant mesothelioma: systematic review and qualitative meta-analysis. <i>Oncotarget</i> , 2016, 7, 58606-58637.	0.8	69
2200	Biological analysis of chronic lymphocytic leukemia: integration of mRNA and microRNA expression profiles. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	3

#	ARTICLE	IF	CITATIONS
2201	Discovering MicroRNA-Regulatory Modules in Multi-Dimensional Cancer Genomic Data: A Survey of Computational Methods. <i>Cancer Informatics</i> , 2016, 15s2, CIN.S39369.	0.9	8
2202	Differences in miRNA and mRNA Profile of Papillary Thyroid Cancer Variants. <i>International Journal of Endocrinology</i> , 2016, 2016, 1-10.	0.6	29
2203	Identification and Characterization of Small Noncoding RNAs in Genome Sequences of the Edible Fungus <i>Pleurotus ostreatus</i> . <i>BioMed Research International</i> , 2016, 2016, 1-9.	0.9	38
2204	Feature Selection Has a Large Impact on One-Class Classification Accuracy for MicroRNAs in Plants. <i>Advances in Bioinformatics</i> , 2016, 2016, 1-6.	5.7	17
2205	Genome-Wide Scleral Micro- and Messenger-RNA Regulation During Myopia Development in the Mouse. <i>Investigative Ophthalmology and Visual Science</i> , 2016, 57, 6089.		24
2206	Genome-Wide <i>Anaplasma phagocytophilum</i> AnkA-DNA Interactions Are Enriched in Intergenic Regions and Gene Promoters and Correlate with Infection-Induced Differential Gene Expression. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 97.	1.8	47
2207	Associations of mRNA:microRNA for the Shared Downstream Molecules of EGFR and Alternative Tyrosine Kinase Receptors in Non-small Cell Lung Cancer. <i>Frontiers in Genetics</i> , 2016, 7, 173.	1.1	19
2208	Muscle-Enriched MicroRNAs Isolated from Whole Blood Are Regulated by Exercise and Are Potential Biomarkers of Cardiorespiratory Fitness. <i>Frontiers in Genetics</i> , 2016, 7, 196.	1.1	59
2209	Export of microRNAs: A Bridge between Breast Carcinoma and Their Neighboring Cells. <i>Frontiers in Oncology</i> , 2016, 6, 147.	1.3	20
2210	The First Report of miRNAs from a Thysanopteran Insect, <i>Thrips palmi</i> Karny Using High-Throughput Sequencing. <i>PLoS ONE</i> , 2016, 11, e0163635.	1.1	18
2211	Identification and Expression Analyses of miRNAs from Two Contrasting Flower Color Cultivars of <i>Canna</i> by Deep Sequencing. <i>PLoS ONE</i> , 2016, 11, e0147499.	1.1	20
2212	Alteration of Pituitary Tumor Transforming Gene-1 Regulates Trophoblast Invasion via the Integrin/Rho-Family Signaling Pathway. <i>PLoS ONE</i> , 2016, 11, e0149371.	1.1	9
2213	Circulating microRNA Profiles during the Bovine Oestrous Cycle. <i>PLoS ONE</i> , 2016, 11, e0158160.	1.1	42
2214	Comparison of miRNAs and Their Targets in Seed Development between Two Maize Inbred Lines by High-Throughput Sequencing and Degradome Analysis. <i>PLoS ONE</i> , 2016, 11, e0159810.	1.1	7
2215	Differential microRNA Expression and Regulation in the Rat Model of Post-Infarction Heart Failure. <i>PLoS ONE</i> , 2016, 11, e0160920.	1.1	31
2216	Genome-Wide Analysis of Differentially Expressed microRNA in <i>Bombyx mori</i> Infected with Nucleopolyhedrosis Virus. <i>PLoS ONE</i> , 2016, 11, e0165865.	1.1	23
2217	Identification of Rapeseed MicroRNAs Involved in Early Stage Seed Germination under Salt and Drought Stresses. <i>Frontiers in Plant Science</i> , 2016, 7, 658.	1.7	69
2218	Comparative Profiling of miRNAs and Target Gene Identification in Distant-Grafting between Tomato and <i>Lycium</i> (Goji Berry). <i>Frontiers in Plant Science</i> , 2016, 7, 1475.	1.7	29

#	ARTICLE	IF	CITATIONS
2219	MicroRNAs in the Host Response to Viral Infections of Veterinary Importance. <i>Frontiers in Veterinary Science</i> , 2016, 3, 86.	0.9	31
2220	MicroRNA Profiling in Aqueous Humor of Individual Human Eyes by Next-Generation Sequencing. , 2016, 57, 1706.		47
2221	MicroRNA-21 expression and its pathogenetic significance in cutaneous melanoma. <i>Melanoma Research</i> , 2016, 26, 21-28.	0.6	22
2222	Functional similarities between microRNAs inferred from biomedical texts. <i>International Journal of Data Mining and Bioinformatics</i> , 2016, 15, 233.	0.1	0
2223	A systematic study on dysregulated microRNA<sc>RNA</sc>s in cervical cancer development. <i>International Journal of Cancer</i> , 2016, 138, 1312-1327.	2.3	68
2224	Specific miRNA Disease Biomarkers in Blood, Serum and Plasma: Challenges and Prospects. <i>Molecular Diagnosis and Therapy</i> , 2016, 20, 509-518.	1.6	261
2225	Role of miR-145 in human laryngeal squamous cell carcinoma. <i>Head and Neck</i> , 2016, 38, 260-266.	0.9	40
2226	Relevance of microRNAâ€18a and microRNAâ€199aâ€5p to hepatocellular carcinoma recurrence after living donor liver transplantation. <i>Liver Transplantation</i> , 2016, 22, 665-676.	1.3	26
2227	Identification of miRNAs and their targets involved in the secondary metabolic pathways of <i>Mentha spp.</i> <i>Computational Biology and Chemistry</i> , 2016, 64, 154-162.	1.1	58
2228	Staufen Negatively Modulates MicroRNA Activity in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1227-1237.	0.8	13
2229	A transcriptomeâ€wide study on the microRNA<sc>RNA</sc> and the Argonaute 1â€enriched small RNA<sc>RNA</sc>-mediated regulatory networks involved in plant leaf senescence. <i>Plant Biology</i> , 2016, 18, 197-205.	1.8	18
2230	N Î±-Carboxymethyllysine Increases the Expression of miRâ€103/143 and Enhances Lipid Accumulation in 3T3â€L1 Cells. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 2413-2422.	1.2	15
2231	MicroRNAs in Control of Plant Development. <i>Journal of Cellular Physiology</i> , 2016, 231, 303-313.	2.0	276
2232	Genetic variations and miRNAâ€target interactions contribute to natural phenotypic variations in <i>Populus</i> . <i>New Phytologist</i> , 2016, 212, 150-160.	3.5	17
2233	OUP accepted manuscript. <i>Nucleic Acids Research</i> , 2017, 45, D626-D634.	6.5	308
2234	deepTarget. , 2016, , .		66
2235	Genome-Wide Analysis of Polyadenylation Events in <i>Schmidtea mediterranea</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3035-3048.	0.8	13
2236	Omics Tools for Exploration of Renal Disorders. , 2016, , 165-183.		0

#	ARTICLE	IF	CITATIONS
2237	Identification of conserved and novel microRNAs in <i>Porphyridium purpureum</i> via deep sequencing and bioinformatics. <i>BMC Genomics</i> , 2016, 17, 612.	1.2	12
2238	Novel equine tissue miRNAs and breed-related miRNA expressed in serum. <i>BMC Genomics</i> , 2016, 17, 831.	1.2	28
2239	Small RNA transcriptomes of mangroves evolve adaptively in extreme environments. <i>Scientific Reports</i> , 2016, 6, 27551.	1.6	18
2240	Genome Sequencing, Transcriptomics, and Proteomics. <i>Compendium of Plant Genomes</i> , 2016, , 141-161.	0.3	23
2241	Systemic Wound Healing Associated with local sub-Cutaneous Mechanical Stimulation. <i>Scientific Reports</i> , 2016, 6, 39043.	1.6	13
2242	SePIA: RNA and small RNA sequence processing, integration, and analysis. <i>BioData Mining</i> , 2016, 9, 20.	2.2	25
2243	Downregulation of miR-195 promotes prostate cancer progression by targeting HMGA1. <i>Oncology Reports</i> , 2016, 36, 376-382.	1.2	43
2244	Prioritizing cancer-related microRNAs by integrating microRNA and mRNA datasets. <i>Scientific Reports</i> , 2016, 6, 35350.	1.6	12
2245	Genome-wide miRNAs expression profiles of <i>Schistosoma japonicum</i> schistosomula in response to artesunate. <i>Pharmacogenomics</i> , 2016, 17, 2025-2037.	0.6	5
2246	<i>Dirofilaria immitis</i> exhibits sex- and stage-specific differences in excretory/secretory miRNA and protein profiles. <i>Veterinary Parasitology</i> , 2016, 232, 1-7.	0.7	37
2247	Genome-wide analysis of microRNAs identifies the lipid metabolism pathway to be a defining factor in adipose tissue from different sheep. <i>Scientific Reports</i> , 2016, 5, 18470.	1.6	42
2248	A comparison of microRNA expression profiles from splenic hemangiosarcoma, splenic nodular hyperplasia, and normal spleens of dogs. <i>BMC Veterinary Research</i> , 2016, 12, 272.	0.7	33
2249	Deep sequencing discovery and profiling of conserved and novel miRNAs in the ovule of <i>Ginkgo biloba</i> . <i>Trees - Structure and Function</i> , 2016, 30, 1557-1567.	0.9	11
2250	Small <i>RNA</i> and degradome sequencing reveals important <i>microRNA</i> function in <i>Astragalus chrysochlorus</i> response to selenium stimuli. <i>Plant Biotechnology Journal</i> , 2016, 14, 543-556.	4.1	43
2251	Unsupervised Learning in Genome Informatics. , 2016, , 405-448.		4
2252	Identifying microRNAs related to Alzheimer's disease from differential methylation signatures. <i>Gene Reports</i> , 2016, 4, 104-111.	0.4	2
2253	Web-based tools for microRNAs involved in human cancer. <i>Oncology Letters</i> , 2016, 11, 3563-3570.	0.8	4
2254	A Bioinformatics Method for the Design of Live Attenuated Virus Vaccine Utilizing Host MicroRNA Response Elements. <i>Methods in Molecular Biology</i> , 2016, 1404, 727-740.	0.4	0

#	ARTICLE	IF	CITATIONS
2255	Microsynteny and phylogenetic analysis of tandemly organised miRNA families across five members of Brassicaceae reveals complex retention and loss history. <i>Plant Science</i> , 2016, 247, 35-48.	1.7	19
2256	Regulation of brain endothelial barrier function by microRNAs in health and neuroinflammation. <i>FASEB Journal</i> , 2016, 30, 2662-2672.	0.2	49
2257	Deep-sequence profiling of miRNAs and their target prediction in <i>Monotropa hypopitys</i> . <i>Plant Molecular Biology</i> , 2016, 91, 441-458.	2.0	5
2258	Inforna 2.0: A Platform for the Sequence-Based Design of Small Molecules Targeting Structured RNAs. <i>ACS Chemical Biology</i> , 2016, 11, 1720-1728.	1.6	175
2259	Preliminary evidence for association of genetic variants in pri-miR-34b/c and abnormal miR-34c expression with attention deficit and hyperactivity disorder. <i>Translational Psychiatry</i> , 2016, 6, e879-e879.	2.4	31
2260	Wnt-signalling pathways and microRNAs network in carcinogenesis: experimental and bioinformatics approaches. <i>Molecular Cancer</i> , 2016, 15, 56.	7.9	55
2261	The regulation roles of miR-125b, miR-221 and miR-27b in porcine <i>Salmonella</i> infection signalling pathway. <i>Bioscience Reports</i> , 2016, 36, .	1.1	11
2262	MKNK2 is a valid target of miR-125b in breast cancer. <i>Gene Reports</i> , 2016, 5, 92-97.	0.4	3
2263	Computational identification and characterization of novel microRNA in the mammary gland of dairy goat (<i>Capra hircus</i>). <i>Journal of Genetics</i> , 2016, 95, 625-637.	0.4	2
2264	Differential role of microRNAs in prognosis, diagnosis, and therapy of ovarian cancer. <i>Biomedicine and Pharmacotherapy</i> , 2016, 84, 592-600.	2.5	51
2265	Using genomic information to improve soybean adaptability to climate change. <i>Journal of Experimental Botany</i> , 2017, 68, erw348.	2.4	25
2266	Synthesis of an artificial <i>Vitis vinifera</i> miRNA 319e using overlapping long primers and its application for gene silencing. <i>Journal of Biotechnology</i> , 2016, 233, 200-210.	1.9	11
2267	ATP-binding cassette transmembrane transporters and their epigenetic control in cancer: an overview. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2016, 12, 1419-1432.	1.5	46
2268	The neurobiological basis of human aggression: A review on genetic and epigenetic mechanisms. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2016, 171, 650-675.	1.1	139
2269	Pattern recognition receptor mediated downregulation of microRNA miR-650 fine-tunes MxA expression in dendritic cells infected with influenza A virus. <i>European Journal of Immunology</i> , 2016, 46, 167-177.	1.6	17
2270	miR-146a-3p Regulation of Immune Tolerance in Early Pregnancy. <i>American Journal of Reproductive Immunology</i> , 2016, 75, 272-280.	1.2	43
2271	Renal microRNA profiles in progressive chronic kidney disease. <i>European Journal of Clinical Investigation</i> , 2016, 46, 213-226.	1.7	96
2272	High-throughput miRNA sequencing and identification of biomarkers for forensically relevant biological fluids. <i>Electrophoresis</i> , 2016, 37, 2780-2788.	1.3	65

#	ARTICLE	IF	CITATIONS
2274	Resolvin E1 Reverses Experimental Periodontitis and Dysbiosis. <i>Journal of Immunology</i> , 2016, 197, 2796-2806.	0.4	128
2275	Identification of extracellular miRNA in archived serum samples by next-generation sequencing from RNA extracted using multiple methods. <i>Molecular Biology Reports</i> , 2016, 43, 1165-1178.	1.0	31
2276	miRNA Profiling in Plants: Current Identification and Expression Approaches. , 2016, , 189-215.		0
2277	Non-coding RNAs in Development and Disease: Background, Mechanisms, and Therapeutic Approaches. <i>Physiological Reviews</i> , 2016, 96, 1297-1325.	13.1	1,426
2278	Exploiting microRNA and mRNA profiles generated <i>in vitro</i> from carcinogen-exposed primary mouse hepatocytes for predicting <i>in vivo</i> genotoxicity and carcinogenicity. <i>Mutagenesis</i> , 2016, 31, 603-615.	1.0	11
2279	Gld2-catalyzed 3' monoadenylation of miRNAs in the hippocampus has no detectable effect on their stability or on animal behavior. <i>Rna</i> , 2016, 22, 1492-1499.	1.6	29
2280	BzDANP, a Small-Molecule Modulator of Pre-miR-29a Maturation by Dicer. <i>ACS Chemical Biology</i> , 2016, 11, 2790-2796.	1.6	17
2281	miRNAsong: a web-based tool for generation and testing of miRNA sponge constructs <i>in silico</i> . <i>Scientific Reports</i> , 2016, 6, 36625.	1.6	62
2282	Systems analysis identifies miR-29b regulation of invasiveness in melanoma. <i>Molecular Cancer</i> , 2016, 15, 72.	7.9	21
2283	Triplex-forming PNA modified with unnatural nucleobases: the role of protonation entropy in RNA binding. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32002-32006.	1.3	15
2284	Integrative Modeling Reveals Annexin A2-mediated Epigenetic Control of Mesenchymal Glioblastoma. <i>EBioMedicine</i> , 2016, 12, 72-85.	2.7	21
2285	Generation of different sizes and classes of small RNAs in barley is locus, chromosome and/or cultivar-dependent. <i>BMC Genomics</i> , 2016, 17, 735.	1.2	7
2286	MicroRNAs of Filarial Nematodes: A New Frontier in Host-Pathogen Interactions. , 2016, , 207-223.		2
2287	Transcriptome analysis of the male-to-hermaphrodite sex reversal induced by low temperature in papaya. <i>Tree Genetics and Genomes</i> , 2016, 12, 1.	0.6	17
2288	Characterization of long non-coding RNAs involved in cadmium toxic response in <i>Brassica napus</i> . <i>RSC Advances</i> , 2016, 6, 82157-82173.	1.7	32
2289	MicroRNAs and psychiatric disorders: From aetiology to treatment. , 2016, 167, 13-27.		45
2290	Targeted inhibition of oncogenic miR-21 maturation with designed RNA-binding proteins. <i>Nature Chemical Biology</i> , 2016, 12, 717-723.	3.9	37
2291	Expressed miRNAs target feather related mRNAs involved in cell signaling, cell adhesion and structure during chicken epidermal development. <i>Gene</i> , 2016, 591, 393-402.	1.0	17

#	ARTICLE	IF	CITATIONS
2292	Regulation of B-cell development and tolerance by different members of the miR-17a~1492 family microRNAs. <i>Nature Communications</i> , 2016, 7, 12207.	5.8	65
2293	Schistosomal miRNAs isolated from Extracellular Vesicles in sera of infected patients; a new tool for diagnosis and follow-up of human schistosomiasis. <i>Journal of Infectious Diseases</i> , 2017, 215, jiw539.	1.9	51
2294	Identification and characterization of microRNAs expressed in the African malaria vector <i>Anopheles funestus</i> life stages using high throughput sequencing. <i>Malaria Journal</i> , 2016, 15, 542.	0.8	11
2295	SNPs in <i>NRXN1</i> and <i>CHRNA5</i> are associated to smoking and regulation of GABAergic and glutamatergic pathways. <i>Pharmacogenomics</i> , 2016, 17, 1145-1158.	0.6	24
2296	The genome of the miiuy croaker reveals well-developed innate immune and sensory systems. <i>Scientific Reports</i> , 2016, 6, 21902.	1.6	67
2297	MicroRNA-939 restricts Hepatitis B virus by targeting Jmjd3-mediated and C/EBPβ-coordinated chromatin remodeling. <i>Scientific Reports</i> , 2016, 6, 35974.	1.6	19
2298	Elucidation of transcriptome-wide microRNA binding sites in human cardiac tissues by Ago2 HITS-CLIP. <i>Nucleic Acids Research</i> , 2016, 44, gkw640.	6.5	50
2299	Characterization and Small RNA Content of Extracellular Vesicles in Follicular Fluid of Developing Bovine Antral Follicles. <i>Scientific Reports</i> , 2016, 6, 25486.	1.6	106
2300	Identification and Characterization of miRNAs in <i>Chondrus crispus</i> by High-Throughput Sequencing and Bioinformatics Analysis. <i>Scientific Reports</i> , 2016, 6, 26397.	1.6	7
2302	A survey of the sorghum transcriptome using single-molecule long reads. <i>Nature Communications</i> , 2016, 7, 11706.	5.8	496
2303	Novel functional microRNAs from virus-free and infected <i>Vitis vinifera</i> plants under water stress. <i>Scientific Reports</i> , 2016, 6, 20167.	1.6	81
2304	Identification of miRNAs and their targets in wild tomato at moderately and acutely elevated temperatures by high-throughput sequencing and degradome analysis. <i>Scientific Reports</i> , 2016, 6, 33777.	1.6	43
2305	Interplay between RNA interference and heat shock response systems in <i>Drosophila melanogaster</i> . <i>Open Biology</i> , 2016, 6, 160224.	1.5	9
2306	Exploring miRNAs involved in blue/LIV-A light response in <i>Brassica rapa</i> reveals special regulatory mode during seedling development. <i>BMC Plant Biology</i> , 2016, 16, 111.	1.6	28
2307	A comprehensive view of the web-resources related to sericulture. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw086.	1.4	3
2308	Global investigation of the coevolution of <i>MIRNA</i> genes and microRNA targets during soybean domestication. <i>Plant Journal</i> , 2016, 85, 396-409.	2.8	36
2309	lmiRP: a computational approach to microRNA target site mutation. <i>BMC Bioinformatics</i> , 2016, 17, 190.	1.2	16
2310	Dynamic regulation of RNA editing in human brain development and disease. <i>Nature Neuroscience</i> , 2016, 19, 1093-1099.	7.1	165

#	ARTICLE	IF	CITATIONS
2311	microRNAs in the Same Clusters Evolve to Coordinately Regulate Functionally Related Genes. <i>Molecular Biology and Evolution</i> , 2016, 33, 2232-2247.	3.5	150
2312	Computational methods for identifying miRNA sponge interactions. <i>Briefings in Bioinformatics</i> , 2017, 18, bbw042.	3.2	111
2313	Analysis of secondary structural elements in human microRNA hairpin precursors. <i>BMC Bioinformatics</i> , 2016, 17, 112.	1.2	38
2314	ChemiRs: a web application for microRNAs and chemicals. <i>BMC Bioinformatics</i> , 2016, 17, 167.	1.2	29
2315	Integrative meta-analysis identifies microRNA-regulated networks in infantile hemangioma. <i>BMC Medical Genetics</i> , 2016, 17, 4.	2.1	18
2316	Verification of microRNA expression in human endometrial adenocarcinoma. <i>BMC Cancer</i> , 2016, 16, 261.	1.1	20
2317	MicroRNA-132 targets PEA-15 and suppresses the progression of astrocytoma in vitro. <i>Journal of Neuro-Oncology</i> , 2016, 129, 211-220.	1.4	8
2318	Molecular mechanisms and microRNAs in osteosarcoma pathogenesis. <i>Biochemistry (Moscow)</i> , 2016, 81, 315-328.	0.7	100
2319	LDL accelerates monocyte to macrophage differentiation: Effects on adhesion and anoikis. <i>Atherosclerosis</i> , 2016, 246, 177-186.	0.4	33
2320	Relationship between microRNA genes incidence and cancer-associated genomic regions in canine tumors: a comprehensive bioinformatics study. <i>Functional and Integrative Genomics</i> , 2016, 16, 143-152.	1.4	8
2321	Rare germline variant (rs78378222) in the TP53 3' UTR: Evidence for a new mechanism of cancer predisposition in Li-Fraumeni syndrome. <i>Cancer Genetics</i> , 2016, 209, 97-106.	0.2	19
2322	Plant miRNA function prediction based on functional similarity network and transductive multi-label classification algorithm. <i>Neurocomputing</i> , 2016, 179, 283-289.	3.5	9
2323	Regulation signature of miR-143 and miR-26 in porcine <i>Salmonella</i> infection identified by binding site enrichment analysis. <i>Molecular Genetics and Genomics</i> , 2016, 291, 789-799.	1.0	25
2324	Exosomes decrease sensitivity of breast cancer cells to adriamycin by delivering microRNAs. <i>Tumor Biology</i> , 2016, 37, 5247-5256.	0.8	79
2325	MECHANISMS IN ENDOCRINOLOGY: MicroRNA in diagnostics and therapy of thyroid cancer. <i>European Journal of Endocrinology</i> , 2016, 174, R89-R98.	1.9	36
2326	miR-155 targets Caspase-3 mRNA in activated macrophages. <i>RNA Biology</i> , 2016, 13, 43-58.	1.5	40
2327	HepatomiRNoma: The proposal of a new network of targets for diagnosis, prognosis and therapy in hepatocellular carcinoma. <i>Critical Reviews in Oncology/Hematology</i> , 2016, 97, 312-321.	2.0	30
2328	Identification and validation of a virus-inducible ta-siRNA-generating TAS4 locus in tomato. <i>Journal of Biosciences</i> , 2016, 41, 109-118.	0.5	9

#	ARTICLE	IF	CITATIONS
2329	miR clusters target cellular functional complexes by defining their degree of regulatory freedom. <i>Cancer and Metastasis Reviews</i> , 2016, 35, 289-322.	2.7	18
2330	miR-143 Silences a miRNA Program to Aberrantly Initiate a Wound-Healing Program That Promotes TGF β -Induced Metastasis. <i>Cancer Research</i> , 2016, 76, 3236-3251.	0.4	48
2331	Constructing an integrated genetic and epigenetic cellular network for whole cellular mechanism using high-throughput next-generation sequencing data. <i>BMC Systems Biology</i> , 2016, 10, 18.	3.0	21
2332	MicroRNAs: exploring new horizons in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 573-580.	0.6	174
2333	Role of apoptosis-related miRNAs in resveratrol-induced breast cancer cell death. <i>Cell Death and Disease</i> , 2016, 7, e2104-e2104.	2.7	193
2334	Prioritizing and selecting likely novel miRNAs from NGS data. <i>Nucleic Acids Research</i> , 2016, 44, e53-e53.	6.5	52
2335	Chemical modifications in the seed region of miRNAs 221/222 increase the silencing performances in gastrointestinal stromal tumor cells. <i>European Journal of Medicinal Chemistry</i> , 2016, 111, 15-25.	2.6	13
2336	A survey of best practices for RNA-seq data analysis. <i>Genome Biology</i> , 2016, 17, 13.	3.8	1,898
2337	The Host Shapes the Gut Microbiota via Fecal MicroRNA. <i>Cell Host and Microbe</i> , 2016, 19, 32-43.	5.1	570
2338	DNA methylation in the pathophysiology of hyperphenylalaninemia in the PAH enu2 mouse model of phenylketonuria. <i>Molecular Genetics and Metabolism</i> , 2016, 119, 1-7.	0.5	17
2339	A partial loss-of-function mutation in an Arabidopsis RNA polymerase III subunit leads to pleiotropic defects. <i>Journal of Experimental Botany</i> , 2016, 67, 2219-2230.	2.4	17
2340	MicroRNA-10a/10b represses a novel target gene mib1 to regulate angiogenesis. <i>Cardiovascular Research</i> , 2016, 110, 140-150.	1.8	69
2341	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. <i>Nature Genetics</i> , 2016, 48, 427-437.	9.4	545
2342	The role of microRNAs in cardiac development and regenerative capacity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H528-H541.	1.5	49
2343	Identification and characterization of microRNAs in the plant parasitic root-knot nematode <i>Meloidogyne incognita</i> using deep sequencing. <i>Functional and Integrative Genomics</i> , 2016, 16, 127-142.	1.4	22
2344	Identification and characterization of microRNAs in <i>Eucheuma denticulatum</i> by high-throughput sequencing and bioinformatics analysis. <i>RNA Biology</i> , 2016, 13, 343-352.	1.5	11
2345	Mir-351-5p contributes to the establishment of a pro-inflammatory environment in the H9c2 cell line by repressing PTEN expression. <i>Molecular and Cellular Biochemistry</i> , 2016, 411, 363-371.	1.4	16
2346	Correlations of microRNA: microRNA expression patterns reveal insights into microRNA clusters and global microRNA expression patterns. <i>Molecular BioSystems</i> , 2016, 12, 110-119.	2.9	26

#	ARTICLE	IF	CITATIONS
2347	Identifying miRNA synergistic regulatory networks in heterogeneous human data via network motifs. <i>Molecular BioSystems</i> , 2016, 12, 454-463.	2.9	9
2348	Host MicroRNA miR-197 Plays a Negative Regulatory Role in the Enterovirus 71 Infectious Cycle by Targeting the RAN Protein. <i>Journal of Virology</i> , 2016, 90, 1424-1438.	1.5	46
2349	A new heuristic method for approximating the number of local minima in partial RNA energy landscapes. <i>Computational Biology and Chemistry</i> , 2016, 60, 43-52.	1.1	0
2350	Inflammatory gene networks in term human decidual cells define a potential signature for cytokine-mediated parturition. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 214, 284.e1-284.e47.	0.7	41
2351	Regulatory RNAs and control of epigenetic mechanisms: expectations for cognition and cognitive dysfunction. <i>Epigenomics</i> , 2016, 8, 135-151.	1.0	55
2352	Systems Biology Approaches to the Study of Biological Networks Underlying Alzheimer's Disease: Role of miRNAs. <i>Methods in Molecular Biology</i> , 2016, 1303, 349-377.	0.4	19
2353	MicroRNAs in obesity-associated disorders. <i>Archives of Biochemistry and Biophysics</i> , 2016, 589, 108-119.	1.4	53
2354	Omics-Based Biomarkers: Application of Metabolomics in Neuropsychiatric Disorders. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyv096.	1.0	80
2355	Integrated bioinformatics analysis of miRNA expression in osteosarcoma. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 936-943.	1.9	25
2356	First characterization and validation of turbot microRNAs. <i>Aquaculture</i> , 2017, 472, 76-83.	1.7	18
2357	Identification and analysis of the expression of microRNA from lactating and nonlactating mammary glands of the Chinese swamp buffalo. <i>Journal of Dairy Science</i> , 2017, 100, 1971-1986.	1.4	29
2358	Genome-wide association study with additional genetic and post-transcriptional analyses reveals novel regulators of plasma factor XI levels. <i>Human Molecular Genetics</i> , 2017, 26, ddw401.	1.4	35
2359	The DNA damage response of <i>C. elegans</i> affected by gravity sensing and radiosensitivity during the Shenzhou-8 spaceflight. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2017, 795, 15-26.	0.4	23
2360	Extracellular vesicle mediated intercellular communication at the porcine maternal-fetal interface: A new paradigm for conceptus-endometrial cross-talk. <i>Scientific Reports</i> , 2017, 7, 40476.	1.6	125
2361	MiRNAs in Malignant Melanoma. , 2017, , 119-175.		0
2362	miRNA-based heavy metal homeostasis and plant growth. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10068-10082.	2.7	91
2363	Global transcriptome analysis reveals extensive gene remodeling, alternative splicing and differential transcription profiles in non-seed vascular plant <i>Selaginella moellendorffii</i> . <i>BMC Genomics</i> , 2017, 18, 1042.	1.2	34
2364	miR-503 inhibits proliferation making human hepatocellular carcinoma cells susceptible to 5-fluorouracil by targeting EIF4E. <i>Oncology Reports</i> , 2017, 37, 563-570.	1.2	33

#	ARTICLE	IF	CITATIONS
2365	miR-718 represses proinflammatory cytokine production through targeting phosphatase and tensin homolog (PTEN). <i>Journal of Biological Chemistry</i> , 2017, 292, 5634-5644.	1.6	43
2366	Genome-wide identification of direct HBx genomic targets. <i>BMC Genomics</i> , 2017, 18, 184.	1.2	52
2367	Dysregulation of miRNA-146a contributes to the development of lupus nephritis via targeting of <i>TRAF6</i> . <i>Personalized Medicine</i> , 2017, 14, 131-139.	0.8	6
2368	Identification of miRNA biomarkers of pneumonia using RNA-sequencing and bioinformatics analysis. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 1235-1244.	0.8	30
2369	Activity-dependent spatially localized miRNA maturation in neuronal dendrites. <i>Science</i> , 2017, 355, 634-637.	6.0	166
2370	Identification and characterization of the expression profile of the microRNAs in the Amazon species <i>Colossoma macropomum</i> by next generation sequencing. <i>Genomics</i> , 2017, 109, 67-74.	1.3	14
2371	Fabrication of a quinone containing layer on gold nanoparticles directed to a label-free and reagentless electrochemical miRNA sensor. <i>Analytical Methods</i> , 2017, 9, 2696-2702.	1.3	14
2372	Differential expression of microRNAs during fiber development between fuzzless-lintless mutant and its wild-type allotetraploid cotton. <i>Scientific Reports</i> , 2017, 7, 3.	1.6	88
2373	MicroRNAs in injury and repair. <i>Archives of Toxicology</i> , 2017, 91, 2781-2797.	1.9	28
2374	Transposable Element Misregulation Is Linked to the Divergence between Parental piRNA Pathways in <i>Drosophila</i> Hybrids. <i>Genome Biology and Evolution</i> , 2017, 9, 1450-1470.	1.1	26
2375	Expression dynamics of <i>Glycine max</i> (L.) Merrill microRNAs (miRNAs) and their targets during Mungbean yellow mosaic India virus (MYMIV) infection. <i>Physiological and Molecular Plant Pathology</i> , 2017, 100, 13-22.	1.3	21
2376	Genome-wide identification of cucumber green mottle mosaic virus-responsive microRNAs in watermelon. <i>Archives of Virology</i> , 2017, 162, 2591-2602.	0.9	27
2377	Delivery and release of microRNA-34a into MCF-7 breast cancer cells using spherical nucleic acid nanocarriers. <i>New Journal of Chemistry</i> , 2017, 41, 5255-5258.	1.4	5
2378	miR-218-5p restores sensitivity to gemcitabine through PRKCE/MDR1 axis in gallbladder cancer. <i>Cell Death and Disease</i> , 2017, 8, e2770-e2770.	2.7	55
2379	An internet-based bioinformatics toolkit for plant biosecurity diagnosis and surveillance of viruses and viroids. <i>BMC Bioinformatics</i> , 2017, 18, 26.	1.2	52
2380	Conservation, Divergence, and Abundance of MiRNAs and Their Effect in Plants. <i>RNA Technologies</i> , 2017, , 1-22.	0.2	4
2381	RNAi Suppressors: Biology and Mechanisms. <i>RNA Technologies</i> , 2017, , 199-230.	0.2	11
2382	MicroRNA regulation of immune events at conception. <i>Molecular Reproduction and Development</i> , 2017, 84, 914-925.	1.0	23

#	ARTICLE	IF	CITATIONS
2383	Identification and profiling of <i>Cyprinus carpio</i> microRNAs during ovary differentiation by deep sequencing. <i>BMC Genomics</i> , 2017, 18, 333.	1.2	42
2384	Large-scale analysis of microRNA expression, epi-transcriptomic features and biogenesis. <i>Nucleic Acids Research</i> , 2017, 45, 1079-1090.	6.5	44
2385	Cysteine-rich whey protein isolate (Immunocal®) ameliorates deficits in the GFAP.HMOX1 mouse model of schizophrenia. <i>Free Radical Biology and Medicine</i> , 2017, 110, 162-175.	1.3	11
2386	Clinically Relevant Multidrug Transporters Are Regulated by microRNAs along the Human Intestine. <i>Molecular Pharmaceutics</i> , 2017, 14, 2245-2253.	2.3	31
2387	MiR-106b and miR-93 regulate cell progression by suppression of PTEN via PI3K/Akt pathway in breast cancer. <i>Cell Death and Disease</i> , 2017, 8, e2796-e2796.	2.7	146
2388	Potential and Challenges of Liquid Biopsies. , 2017, , 233-261.		0
2389	Embryo-maternal dialogue during pregnancy establishment and implantation in the pig. <i>Molecular Reproduction and Development</i> , 2017, 84, 842-855.	1.0	93
2390	MiR-19b and miR-16 cooperatively signaling target the regulator ADRA1A in Hypertensive heart disease. <i>Biomedicine and Pharmacotherapy</i> , 2017, 91, 1178-1183.	2.5	19
2391	Excretory/secretory products from the gastrointestinal nematode <i>Trichuris muris</i> . <i>Experimental Parasitology</i> , 2017, 178, 30-36.	0.5	49
2392	Dysregulation of miR-638 in hepatocellular carcinoma and its clinical significance. <i>Oncology Letters</i> , 2017, 13, 3859-3865.	0.8	16
2393	A Systems Genetics Approach Identified GPD1L and its Molecular Mechanism for Obesity in Human Adipose Tissue. <i>Scientific Reports</i> , 2017, 7, 1799.	1.6	14
2394	The Limitations of Existing Approaches in Improving MicroRNA Target Prediction Accuracy. <i>Methods in Molecular Biology</i> , 2017, 1617, 133-158.	0.4	16
2395	Dynamic monitoring of circulating microRNAs as a predictive biomarker for the diagnosis and recurrence of papillary thyroid carcinoma. <i>Oncology Letters</i> , 2017, 13, 4252-4266.	0.8	38
2396	A sketch of known and novel MYCN-associated miRNA networks in neuroblastoma. <i>Oncology Reports</i> , 2017, 38, 3-20.	1.2	24
2397	miR-199a-5p and miR-495 target GRP78 within UPR pathway of lung cancer. <i>Gene</i> , 2017, 620, 15-22.	1.0	52
2398	A compilation of Web-based research tools for miRNA analysis. <i>Briefings in Functional Genomics</i> , 2017, 16, 249-273.	1.3	32
2399	¹⁹ F-NMR Spectroscopic Analysis of the Binding Modes in Triple-Helical Peptide Nucleic Acid (PNA)/MicroRNA Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 7113-7124.	1.7	24
2400	Roles of MIWI, MILI and PLD6 in small RNA regulation in mouse growing oocytes. <i>Nucleic Acids Research</i> , 2017, 45, gkx027.	6.5	46

#	ARTICLE	IF	CITATIONS
2401	Pro-inflammation NF- κ B signaling triggers a positive feedback via enhancing cholesterol accumulation in liver cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017, 36, 15.	3.5	54
2402	The functional genomic studies of curcumin. <i>Seminars in Cancer Biology</i> , 2017, 46, 107-118.	4.3	61
2403	Cancer cachexia-induced muscle atrophy: evidence for alterations in microRNAs important for muscle size. <i>Physiological Genomics</i> , 2017, 49, 253-260.	1.0	55
2404	Expression of microRNAs associated with oxidative stress in the hippocampus of piglets. <i>Genes and Genomics</i> , 2017, 39, 701-712.	0.5	4
2405	In Silico Prediction of RNA Secondary Structure. <i>Methods in Molecular Biology</i> , 2017, 1543, 145-168.	0.4	7
2406	Identification and characterization of two putative microRNAs encoded by <i>Bombyx mori</i> cyovirus. <i>Virus Research</i> , 2017, 233, 86-94.	1.1	25
2407	Comprehensive characteristics of microRNA expression profile of equine sarcoids. <i>Biochimie</i> , 2017, 137, 20-28.	1.3	16
2408	The <i>Caligus rogercresseyi</i> miRNome: Discovery and transcriptome profiling during the sea lice ontogeny. <i>Agri Gene</i> , 2017, 4, 8-22.	1.9	12
2409	Rapid Generation of miRNA Inhibitor Leads by Bioinformatics and Efficient High-Throughput Screening Methods. <i>Methods in Molecular Biology</i> , 2017, 1517, 179-198.	0.4	14
2410	HIC1 and miR-23~27~24 clusters form a double-negative feedback loop in breast cancer. <i>Cell Death and Differentiation</i> , 2017, 24, 421-432.	5.0	34
2411	The in vivo genetic toolkit for studying expression and functions of <i>Drosophila melanogaster</i> microRNAs. <i>RNA Biology</i> , 2017, 14, 179-187.	1.5	3
2412	Exon-Enriched Libraries Reveal Large Genic Differences Between <i>Aedes aegypti</i> from Senegal, West Africa, and Populations Outside Africa. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 571-582.	0.8	22
2413	Modulation of microRNA-mRNA Target Pairs by Human Papillomavirus 16 Oncoproteins. <i>MBio</i> , 2017, 8, .	1.8	56
2414	miRNA assays in the clinical laboratory: workflow, detection technologies and automation aspects. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, 636-647.	1.4	70
2415	Predicting microRNA biological functions based on genes discriminant analysis. <i>Computational Biology and Chemistry</i> , 2017, 71, 230-235.	1.1	4
2416	Two-tailed RT-qPCR: a novel method for highly accurate miRNA quantification. <i>Nucleic Acids Research</i> , 2017, 45, e144-e144.	6.5	146
2417	miR156 switches on vegetative phase change under the regulation of redox signals in apple seedlings. <i>Scientific Reports</i> , 2017, 7, 14223.	1.6	48
2418	Genome-wide Identification of microRNAs that Respond to Drought Stress in Seedlings of Tertiary Relict <i>Ammopiptanthus mongolicus</i> . <i>Horticultural Plant Journal</i> , 2017, 3, 209-218.	2.3	12

#	ARTICLE	IF	CITATIONS
2419	Genome-wide Analysis of HDAC Inhibitor-mediated Modulation of microRNAs and mRNAs in B Cells Induced to Undergo Class-switch DNA Recombination and Plasma Cell Differentiation. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	3
2420	The GBAP1 pseudogene acts as a ceRNA for the glucocerebrosidase gene GBA by sponging miR-22-3p. <i>Scientific Reports</i> , 2017, 7, 12702.	1.6	62
2421	MicroRNAs Associated with Tuberous Root Development. <i>Compendium of Plant Genomes</i> , 2017, , 121-136.	0.3	0
2422	Effects of anticholinergic agent on miRNA profiles and transcriptomes in a murine model of allergic rhinitis. <i>Molecular Medicine Reports</i> , 2017, 16, 6558-6569.	1.1	14
2423	Mirnova: genome-free prediction of microRNAs from small RNA sequencing data and single-cells using decision forests. <i>Nucleic Acids Research</i> , 2017, 45, e177-e177.	6.5	54
2424	Overexpression of Exportin-5 Overrides the Inhibitory Effect of miRNAs Regulation Control and Stabilize Proteins via Posttranslation Modifications in Prostate Cancer. <i>Neoplasia</i> , 2017, 19, 817-829.	2.3	8
2425	miR-150 Regulates Memory CD8 ⁺ Cell Differentiation via c-Myb. <i>Cell Reports</i> , 2017, 20, 2584-2597.	2.9	70
2426	miR-Seq: a pipeline for automated analyses of small RNA-seqs in model and nonmodel plants. <i>FEBS Letters</i> , 2017, 591, 2261-2268.	1.3	9
2427	Profiling and characterization of a longissimus dorsi muscle microRNA dataset from an F 2 Duroc \times Pietrain pig resource population. <i>Genomics Data</i> , 2017, 13, 50-53.	1.3	4
2428	MicroRNA-21 promotes neurite outgrowth by regulating PDCD4 in a rat model of spinal cord injury. <i>Molecular Medicine Reports</i> , 2017, 16, 2522-2528.	1.1	18
2429	miR-199a-3p is involved in the pathogenesis and progression of diabetic neuropathy through downregulation of SerpinE2. <i>Molecular Medicine Reports</i> , 2017, 16, 2417-2424.	1.1	43
2430	In vitro recapitulation of the site-specific editing (to wild-type) of mutant IDS mRNA transcripts, and the characterization of IDS protein translated from the edited mRNAs. <i>Human Mutation</i> , 2017, 38, 849-862.	1.1	0
2431	Improving the Quality of Positive Datasets for the Establishment of Machine Learning Models for pre-microRNA Detection. <i>Journal of Integrative Bioinformatics</i> , 2017, 14, .	1.0	2
2432	MicroRNA-based Regulation of Picornavirus Tropism. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	4
2433	MicroRNA profiling in gingival crevicular fluid of periodontitis—a pilot study. <i>FEBS Open Bio</i> , 2017, 7, 981-994.	1.0	48
2434	Expression and prognostic significance of miR-375 and miR-221 in liver cancer. <i>Oncology Letters</i> , 2017, 14, 2305-2309.	0.8	22
2435	Immunomodulation: A definitive role of microRNA-142. <i>Developmental and Comparative Immunology</i> , 2017, 77, 150-156.	1.0	37
2436	Animal Models to Study MicroRNA Function. <i>Advances in Cancer Research</i> , 2017, 135, 53-118.	1.9	53

#	ARTICLE	IF	CITATIONS
2437	miR-187 inhibits tumor growth and invasion by directly targeting MAPK12 in osteosarcoma. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 1045-1050.	0.8	20
2438	Co-regulation of microRNAs and transcription factors in cardiomyocyte specific differentiation of murine embryonic stem cells: An aspect from transcriptome analysis. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 983-1001.	0.9	5
2439	MicroRNAs as potential prognosticators of neurological outcome in out-of-hospital cardiac arrest patients. <i>Biomarkers in Medicine</i> , 2017, 11, 1113-1123.	0.6	2
2440	RNAstructuromeDB: A genome-wide database for RNA structural inference. <i>Scientific Reports</i> , 2017, 7, 17269.	1.6	34
2441	MicroRNAs regulate key cell survival pathways and mediate chemosensitivity during progression of diffuse large B-cell lymphoma. <i>Blood Cancer Journal</i> , 2017, 7, 654.	2.8	26
2442	Therapeutic targeting of non-coding RNAs in cancer. <i>Biochemical Journal</i> , 2017, 474, 4219-4251.	1.7	228
2443	miR-494 inhibits cell proliferation and metastasis via targeting of CDK6 in osteosarcoma. <i>Molecular Medicine Reports</i> , 2017, 16, 8627-8634.	1.1	25
2444	Genome-wide identification of novel microRNAs from genome sequences using computational approach in the mudskipper (<i>Boleophthalmus pectinirostris</i>). <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 397-408.	0.3	0
2445	Genomic Data Resources and Data Mining. , 2017, , 267-278.		2
2446	Concept, Development, and Application of Computational Methods for the Analysis and Integration of Omics Data. , 2017, , 241-266.		1
2447	In silico analysis of the grapefruit sRNAome, transcriptome and gene regulation in response to CTV-CDVd co-infection. <i>Virology Journal</i> , 2017, 14, 200.	1.4	8
2448	Turmeric (<i>Curcuma longa</i>): miRNAs and their regulating targets are involved in development and secondary metabolite pathways. <i>Comptes Rendus - Biologies</i> , 2017, 340, 481-491.	0.1	33
2449	microRNAs in skeletal muscle development. <i>Seminars in Cell and Developmental Biology</i> , 2017, 72, 67-76.	2.3	78
2450	Profiling of drought-responsive microRNA and mRNA in tomato using high-throughput sequencing. <i>BMC Genomics</i> , 2017, 18, 481.	1.2	92
2451	Using Quantitative Real-Time PCR to Detect MicroRNA Expression Profile During Embryonic Stem Cell Differentiation. <i>Methods in Molecular Biology</i> , 2017, 1622, 255-265.	0.4	5
2452	MicroRNA profiling provides insights into post-transcriptional regulation of gene expression in chickpea root apex under salinity and water deficiency. <i>Scientific Reports</i> , 2017, 7, 4632.	1.6	44
2453	MiR-155 enhances phagocytic activity of β^2 -thalassemia/HbE monocytes via targeting of BACH1. <i>International Journal of Hematology</i> , 2017, 106, 638-647.	0.7	15
2454	Altered microRNA and Piwi-interacting RNA profiles in cumulus cells from patients with diminished ovarian reserve. <i>Biology of Reproduction</i> , 2017, 97, 91-103.	1.2	16

#	ARTICLE	IF	CITATIONS
2455	miRNome landscape analysis reveals a 30 miRNA core in retinoblastoma. <i>BMC Cancer</i> , 2017, 17, 458.	1.1	37
2456	High-throughput sequencing of pituitary and hypothalamic microRNA transcriptome associated with high rate of egg production. <i>BMC Genomics</i> , 2017, 18, 255.	1.2	22
2457	Small RNA Activity in Archeological Barley Shows Novel Germination Inhibition in Response to Environment. <i>Molecular Biology and Evolution</i> , 2017, 34, 2555-2562.	3.5	15
2458	Quantification of microRNAs directly from body fluids using a base-stacking isothermal amplification method in a point-of-care device. <i>Biomedical Microdevices</i> , 2017, 19, 45.	1.4	7
2459	Practical Bioinformatics Analysis of MiRNA Data Using Online Tools. <i>Methods in Molecular Biology</i> , 2017, 1509, 195-208.	0.4	4
2460	Insect and plant-derived miRNAs in greenbug (<i>Schizaphis graminum</i>) and yellow sugarcane aphid (<i>Sipha</i>) Tj ETQq1 1.0.784314.rgBT /Ov	1.0	23
2461	Profiling of microRNAs in wild type and early flowering transgenic <i>Chrysanthemum morifolium</i> by deep sequencing. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 128, 283-301.	1.2	8
2462	miRPathDB: a new dictionary on microRNAs and target pathways. <i>Nucleic Acids Research</i> , 2017, 45, D90-D96.	6.5	102
2463	Localization of miRNAs by In Situ Hybridization in Plants Using Conventional Oligonucleotide Probes. <i>Methods in Molecular Biology</i> , 2017, 1456, 51-62.	0.4	2
2464	miR-138/miR-222 Overexpression Characterizes the miRNome of Amniotic Mesenchymal Stem Cells in Obesity. <i>Stem Cells and Development</i> , 2017, 26, 4-14.	1.1	17
2465	Expressed microRNA associated with high rate of egg production in chicken ovarian follicles. <i>Animal Genetics</i> , 2017, 48, 205-216.	0.6	40
2466	Identification of anthocyanin biosynthesis related microRNAs in a distinctive Chinese radish (<i>Raphanus sativus</i> L.) by high-throughput sequencing. <i>Molecular Genetics and Genomics</i> , 2017, 292, 215-229.	1.0	35
2467	Recent trends in microRNA research into breast cancer with particular focus on the associations between microRNAs and intrinsic subtypes. <i>Journal of Human Genetics</i> , 2017, 62, 15-24.	1.1	122
2468	Synovium-Derived MicroRNAs Regulate Bone Pathways in Rheumatoid Arthritis. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 461-472.	3.1	85
2469	Identification and characterization of miRNAs transcriptome in the South African abalone, <i>Haliotis midae</i> . <i>Marine Genomics</i> , 2017, 31, 9-12.	0.4	7
2470	The microRNA-99 family modulates hepatitis B virus replication by promoting IGF-1R/PI3K/Akt/mTOR/ULK1 signaling-induced autophagy. <i>Cellular Microbiology</i> , 2017, 19, e12709.	1.1	80
2471	Differential Expression of miR-4520a Associated With Pyrin Mutations in Familial Mediterranean Fever (FMF). <i>Journal of Cellular Physiology</i> , 2017, 232, 1326-1336.	2.0	23
2472	MicroRNA-138 targets SP1 to inhibit the proliferation, migration and invasion of hepatocellular carcinoma cells. <i>Oncology Letters</i> , 2017, 15, 1279-1286.	0.8	11

#	ARTICLE	IF	CITATIONS
2473	High throughput deep sequencing reveals the important roles of microRNAs during sweetpotato storage at chilling temperature. <i>Scientific Reports</i> , 2017, 7, 16578.	1.6	20
2474	Predictive relevance of miR-34a, miR-224 and miR-342 in patients with advanced squamous cell carcinoma of the lung undergoing palliative chemotherapy. <i>Oncology Letters</i> , 2017, 15, 592-599.	0.8	6
2475	Prostate-specific PTen deletion in mice activates inflammatory microRNA expression pathways in the epithelium early in hyperplasia development. <i>Oncogenesis</i> , 2017, 6, 400.	2.1	10
2476	Prediction of human miRNA target genes using computationally reconstructed ancestral mammalian sequences. <i>Nucleic Acids Research</i> , 2017, 45, 556-566.	6.5	34
2477	Role of miRNAs in biotic stress reactions in plants. <i>Indian Journal of Plant Physiology</i> , 2017, 22, 514-529.	0.8	26
2478	Computational Identification of MicroRNAs and Their Transcript Target(s) in Field Mustard (<i>Brassica Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4</i>)	0.3	9
2479	Targeted regulation of MiR-98 on E2F1 increases chemosensitivity of leukemia cells K562/A02. <i>OncoTargets and Therapy</i> , 2017, Volume 10, 3233-3239.	1.0	18
2480	In silico MCMV Silencing Concludes Potential Host-Derived miRNAs in Maize. <i>Frontiers in Plant Science</i> , 2017, 8, 372.	1.7	26
2481	De novo Transcriptome Profiling of Flowers, Flower Pedicels and Pods of <i>Lupinus luteus</i> (Yellow) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.7	32
2482	Identification, Characterization, and Functional Validation of Drought-responsive MicroRNAs in Subtropical Maize Inbreds. <i>Frontiers in Plant Science</i> , 2017, 8, 941.	1.7	74
2483	CRISPR-Cas9 Based Genome Editing Reveals New Insights into MicroRNA Function and Regulation in Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 1598.	1.7	150
2484	What Is New in the miRNA World Regarding Osteosarcoma and Chondrosarcoma?. <i>Molecules</i> , 2017, 22, 417.	1.7	57
2485	Peptide Nucleic Acids as miRNA Target Protectors for the Treatment of Cystic Fibrosis. <i>Molecules</i> , 2017, 22, 1144.	1.7	29
2486	MicroRNA MultiTool: A Software for Identifying Modified and Unmodified Human microRNA Using Mass Spectrometry. <i>Non-coding RNA</i> , 2017, 3, 13.	1.3	1
2487	New Frontiers in Melanoma Epigeneticsâ€”The More We Know, the More We Donâ€™t Know. <i>Epigenomes</i> , 2017, 1, 3.	0.8	6
2488	MicroRNAs-Based Inter-Domain Communication between the Host and Members of the Gut Microbiome. <i>Frontiers in Microbiology</i> , 2017, 8, 1896.	1.5	46
2489	MiR-30b Attenuates Neuropathic Pain by Regulating Voltage-Gated Sodium Channel Nav1.3 in Rats. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 126.	1.4	73
2490	MicroRNA-Mediated Regulation of ITGB3 and CHL1 Is Implicated in SSRI Action. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 355.	1.4	20

#	ARTICLE	IF	CITATIONS
2491	An Integrating Approach for Genome-Wide Screening of MicroRNA Polymorphisms Mediated Drug Response Alterations. <i>International Journal of Genomics</i> , 2017, 2017, 1-7.	0.8	5
2492	Epigenetics in Chronic Pain. , 2017, , 185-226.		1
2493	Analysis of Microarray-Identified Genes and MicroRNAs Associated with Idiopathic Pulmonary Fibrosis. Mediators of Inflammation, 2017, 2017, 1-9.	1.4	38
2494	Cancer-derived Circulating MicroRNAs Promote Tumor Angiogenesis by Entering Dendritic Cells to Degrade Highly Complementary MicroRNAs. <i>Theranostics</i> , 2017, 7, 1407-1421.	4.6	27
2495	SNPs, linkage disequilibrium, and chronic mountain sickness in Tibetan Chinese. <i>Hypoxia (Auckland, N Z)</i> Tj ETQq0 0.0 rgBT /Qverlock 10	1.9	9
2496	Release, Characterization, and Safety of Nanoencapsulated Food Ingredients. , 2017, , 401-453.		17
2497	Dysregulation of miRNA Expression in Cancer Associated Fibroblasts (CAFs) and Its Consequences on the Tumor Microenvironment. <i>Cancers</i> , 2017, 9, 54.	1.7	62
2498	Identification and expression profiling of microRNAs involved in the stigma exertion under high-temperature stress in tomato. <i>BMC Genomics</i> , 2017, 18, 843.	1.2	42
2499	Changes in circulating microRNA levels can be identified as early as day 8 of pregnancy in cattle. <i>PLoS ONE</i> , 2017, 12, e0174892.	1.1	36
2500	Uncovering robust patterns of microRNA co-expression across cancers using Bayesian Relevance Networks. <i>PLoS ONE</i> , 2017, 12, e0183103.	1.1	6
2501	Characterization of microRNAs of Beta macrocarpa and their responses to Beet necrotic yellow vein virus infection. <i>PLoS ONE</i> , 2017, 12, e0186500.	1.1	7
2502	Long 3'UTR of Nurr1 mRNAs is targeted by miRNAs in mesencephalic dopamine neurons. <i>PLoS ONE</i> , 2017, 12, e0188177.	1.1	13
2503	MicroRNA Regulation of HDL Homeostasis. , 2017, , 209-229.		0
2504	Genome-wide identification of leaf abscission associated microRNAs in sugarcane (<i>Saccharum</i>) Tj ETQq1 1 0.784314,rgBT /Qverlock 10	1.2	29
2505	Small RNA profiling for identification of miRNAs involved in regulation of saponins biosynthesis in <i>Chlorophytum borivillianum</i> . <i>BMC Plant Biology</i> , 2017, 17, 265.	1.6	20
2506	Tough decoy targeting of predominant let-7 miRNA species in adult human hematopoietic cells. <i>Journal of Translational Medicine</i> , 2017, 15, 169.	1.8	16
2507	Extrapolative microRNA precursor based SSR mining from tea EST database in respect to agronomic traits. <i>BMC Research Notes</i> , 2017, 10, 261.	0.6	22
2508	Identification of genome-wide non-canonical spliced regions and analysis of biological functions for spliced sequences using Read-Split-Fly. <i>BMC Bioinformatics</i> , 2017, 18, 382.	1.2	5

#	ARTICLE	IF	CITATIONS
2509	Immunometabolism in Obesity. , 2017, , .		1
2510	Bioinformatics profiling and characterization of potential microRNAs and their targets in the genus <i>Coffea</i> . <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2017, 41, 191-200.	0.8	10
2511	MicroRNAs as a novel class of diagnostic biomarkers for the detection of osteosarcoma: a meta-analysis. <i>OncoTargets and Therapy</i> , 2017, Volume 10, 5229-5236.	1.0	6
2512	Genome-Wide Identification and Characterization of Salinity Stress-Responsive miRNAs in Wild Emmer Wheat (<i>Triticum turgidum</i> ssp. <i>dicoccoides</i>). <i>Genes</i> , 2017, 8, 156.	1.0	36
2513	Head and Neck Cancer: Epidemiology and Role of MicroRNAs. , 2017, , .		1
2514	Defining age- and lactocrine-sensitive elements of the neonatal porcine uterine microRNA "mRNA interactome". <i>Biology of Reproduction</i> , 2017, 96, 327-340.	1.2	9
2515	Big Mechanisms of Information Flow in Cellular Systems in Response to Environmental Stress Signals via System Identification and Data Mining. , 2017, , 155-248.		0
2516	About miRNAs, miRNA seeds, target genes and target pathways. <i>Oncotarget</i> , 2017, 8, 107167-107175.	0.8	115
2517	Omics-Based Strategies for Improving Salt Tolerance in Maize (<i>Zea mays</i> L.). , 2018, , 243-266.		5
2518	Testicular piRNA profile comparison between successful and unsuccessful micro-TESE retrieval in NOA patients. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 801-808.	1.2	22
2519	Collective transcriptomic deregulation of hypertrophic and dilated cardiomyopathy "Importance of fibrotic mechanism in heart failure. <i>Computational Biology and Chemistry</i> , 2018, 73, 85-94.	1.1	7
2520	MicroRNA degradation by a conserved target RNA regulates animal behavior. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 244-251.	3.6	149
2521	Metastasis-associated miR-23a from nasopharyngeal carcinoma-derived exosomes mediates angiogenesis by repressing a novel target gene TSGA10. <i>Oncogene</i> , 2018, 37, 2873-2889.	2.6	154
2522	The miR-139-5p regulates proliferation of supratentorial paediatric low-grade gliomas by targeting the PI3K/AKT/mTORC1 signalling. <i>Neuropathology and Applied Neurobiology</i> , 2018, 44, 687-706.	1.8	31
2523	Functional Redundancy of DICER Cofactors TARBP2 and PRKRA During Murine Embryogenesis Does Not Involve miRNA Biogenesis. <i>Genetics</i> , 2018, 208, 1513-1522.	1.2	12
2524	MicroRNA meta-signature of oral cancer: evidence from a meta-analysis. <i>Upsala Journal of Medical Sciences</i> , 2018, 123, 43-49.	0.4	45
2525	PAGER 2.0: an update to the pathway, annotated-list and gene-signature electronic repository for Human Network Biology. <i>Nucleic Acids Research</i> , 2018, 46, D668-D676.	6.5	18
2526	Small ncRNA-Seq Results of Human Tissues: Variations Depending on Sample Integrity. <i>Clinical Chemistry</i> , 2018, 64, 1074-1084.	1.5	4

#	ARTICLE	IF	CITATIONS
2527	Integration of isothermal amplification with quantum dot-based fluorescence resonance energy transfer for simultaneous detection of multiple microRNAs. <i>Chemical Science</i> , 2018, 9, 4258-4267.	3.7	105
2528	MiR-27a-5p Increases Steer Fat Deposition Partly by Targeting Calcium-sensing Receptor (CASR). <i>Scientific Reports</i> , 2018, 8, 3012.	1.6	13
2529	The regulatory network analysis of long noncoding RNAs in human colorectal cancer. <i>Functional and Integrative Genomics</i> , 2018, 18, 261-275.	1.4	22
2530	Oncogenic and Tumor-Suppressive Roles of MicroRNAs with Special Reference to Apoptosis: Molecular Mechanisms and Therapeutic Potential. <i>Molecular Diagnosis and Therapy</i> , 2018, 22, 179-201.	1.6	30
2531	MicroRNA Networks in Breast Cancer Cells. <i>Methods in Molecular Biology</i> , 2018, 1711, 55-81.	0.4	15
2532	Legume, Microbiome, and Regulatory Functions of miRNAs in Systematic Regulation of Symbiosis. <i>Microorganisms for Sustainability</i> , 2018, , 255-282.	0.4	8
2533	MOBCdb: a comprehensive database integrating multi-omics data on breast cancer for precision medicine. <i>Breast Cancer Research and Treatment</i> , 2018, 169, 625-632.	1.1	32
2534	Statins differentially modulate microRNAs expression in peripheral cells of hyperlipidemic subjects: A pilot study. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 117, 55-61.	1.9	22
2535	Clinical-pathological study on β -APP, IL-1 β , GFAP, NFL, Spectrin β II, 8OHdG, TUNEL, miR-21, miR-16, miR-92 expressions to verify DAI-diagnosis, grade and prognosis. <i>Scientific Reports</i> , 2018, 8, 2387.	1.6	20
2536	miR-137 regulates ferroptosis by targeting glutamine transporter SLC1A5 in melanoma. <i>Cell Death and Differentiation</i> , 2018, 25, 1457-1472.	5.0	308
2537	Mirna biogenesis pathway is differentially regulated during adipose derived stromal/stem cell differentiation. <i>Adipocyte</i> , 2018, 7, 1-10.	1.3	10
2538	microRNA regulation in an ancient obligate endosymbiosis. <i>Molecular Ecology</i> , 2018, 27, 1777-1793.	2.0	25
2539	Secretory microRNAs as biomarkers of cancer. <i>Seminars in Cell and Developmental Biology</i> , 2018, 78, 22-36.	2.3	81
2540	BRCA1 mutation spectrum, functions, and therapeutic strategies: The story so far. <i>Current Problems in Cancer</i> , 2018, 42, 189-207.	1.0	19
2541	In silico identification of microRNAs and their targets associated with coconut embryogenic calli. <i>Agri Gene</i> , 2018, 7, 59-65.	1.9	15
2542	Hyperglycaemia-induced miR-301a promotes cell proliferation by repressing p21 and Smad4 in prostate cancer. <i>Cancer Letters</i> , 2018, 418, 211-220.	3.2	40
2543	Non-coding RNAs and plant male sterility: current knowledge and future prospects. <i>Plant Cell Reports</i> , 2018, 37, 177-191.	2.8	46
2544	Integrative analysis reveals disrupted pathways regulated by microRNAs in cancer. <i>Nucleic Acids Research</i> , 2018, 46, 1089-1101.	6.5	28

#	ARTICLE	IF	CITATIONS
2545	MicroRNA-122 targets genes related to goose fatty liver. <i>Poultry Science</i> , 2018, 97, 643-649.	1.5	10
2546	Comprehensive analysis of blood cells and plasma identifies tissue-specific miRNAs as potential novel circulating biomarkers in cattle. <i>BMC Genomics</i> , 2018, 19, 243.	1.2	23
2547	Identification of miRNAs in cervical mucus as a novel diagnostic marker for cervical neoplasia. <i>Scientific Reports</i> , 2018, 8, 7070.	1.6	36
2548	Identification of novel circulatory microRNA signatures linked to patients with ischemic stroke. <i>Human Molecular Genetics</i> , 2018, 27, 2318-2329.	1.4	64
2549	miR-206 is required for changes in cell adhesion that drive muscle cell morphogenesis in <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 2018, 438, 94-110.	0.9	11
2550	microRNA expression profiles of scar and normal tissue from patients with posterior urethral stricture caused by pelvic fracture urethral distraction defects. <i>International Journal of Molecular Medicine</i> , 2018, 41, 2733-2743.	1.8	14
2551	MicroRNA expression data analysis to identify key miRNAs associated with Alzheimer's disease. <i>Journal of Gene Medicine</i> , 2018, 20, e3014.	1.4	63
2552	Genome-wide identification, putative functionality and interactions between lncRNAs and miRNAs in Brassica species. <i>Scientific Reports</i> , 2018, 8, 4960.	1.6	37
2553	Overexpression of miR169o, an Overlapping MicroRNA in Response to Both Nitrogen Limitation and Bacterial Infection, Promotes Nitrogen Use Efficiency and Susceptibility to Bacterial Blight in Rice. <i>Plant and Cell Physiology</i> , 2018, 59, 1234-1247.	1.5	46
2554	Targeting of G-Quadruplex Harboring Pre-miRNA 92b by LNA Rescues PTEN Expression in NSCL Cancer Cells. <i>ACS Chemical Biology</i> , 2018, 13, 909-914.	1.6	31
2555	Identification and characterization of microRNAs in tree peony during chilling induced dormancy release by high-throughput sequencing. <i>Scientific Reports</i> , 2018, 8, 4537.	1.6	48
2556	Dysregulation of mi<sc>RNA</sc> and its potential therapeutic application in schizophrenia. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 586-597.	1.9	54
2557	Dissecting micro<sc>RNA</sc> dysregulation in age-related macular degeneration: new targets for eye gene therapy. <i>Acta Ophthalmologica</i> , 2018, 96, 9-23.	0.6	37
2558	Computational Approaches and Related Tools to Identify MicroRNAs in a Species: A Bird's Eye View. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2018, 10, 616-635.	2.2	12
2559	Ultrasensitive detection of cancer biomarker microRNA by amplification of fluorescence of lanthanide nanoprobe. <i>Nano Research</i> , 2018, 11, 264-273.	5.8	62
2560	Combining Supervised and Unsupervised Learning for Improved miRNA Target Prediction. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 1-1.	1.9	19
2561	Identification of E6/E7-Dependent MicroRNAs in HPV-Positive Cancer Cells. <i>Methods in Molecular Biology</i> , 2018, 1699, 119-134.	0.4	12
2562	Identification of drought-responsive microRNAs in tomato using high-throughput sequencing. <i>Functional and Integrative Genomics</i> , 2018, 18, 67-78.	1.4	40

#	ARTICLE	IF	CITATIONS
2563	miR-216b enhances the efficacy of vemurafenib by targeting Beclin-1, UVRAG and ATG5 in melanoma. <i>Cellular Signalling</i> , 2018, 42, 30-43.	1.7	25
2564	Feedback Mechanisms for Cardiac-Specific MicroRNAs and cAMP Signaling in Electrical Remodeling. , 2018, , 219-225.		0
2565	A Circulating MicroRNA Signature Serves as a Diagnostic and Prognostic Indicator in Sarcoidosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 40-54.	1.4	28
2566	The phenotypic and molecular assessment of the non-conserved Arabidopsis MICRORNA163/S-ADENOSYL-METHYLTRANSFERASE regulatory module during biotic stress. <i>Molecular Genetics and Genomics</i> , 2018, 293, 503-523.	1.0	2
2567	Mir-513a-3p contributes to the controlling of cellular migration processes in the A549 lung tumor cells by modulating integrin β -8 expression. <i>Molecular and Cellular Biochemistry</i> , 2018, 444, 43-52.	1.4	14
2568	MicroRNA-Directed Cancer Therapies: Implications in Melanoma Intervention. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 364, 1-12.	1.3	40
2569	Tumor-suppressive roles of β -catenin/miR-205 axis in epithelial-mesenchymal transition of oral squamous cell carcinoma via targeting ZEB1 and ZEB2. <i>Journal of Cellular Physiology</i> , 2018, 233, 6565-6577.	2.0	23
2570	iDEP: an integrated web application for differential expression and pathway analysis of RNA-Seq data. <i>BMC Bioinformatics</i> , 2018, 19, 534.	1.2	803
2571	Highly expressed placental miRNAs control key biological processes in human cancer cell lines. <i>Oncotarget</i> , 2018, 9, 23554-23563.	0.8	10
2572	Cooperative and Independent Functions of the miR-23a~27a~24-2 Cluster in Bovine Adipocyte Adipogenesis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3957.	1.8	22
2573	miRBaseConverter: an R/Bioconductor package for converting and retrieving miRNA name, accession, sequence and family information in different versions of miRBase. <i>BMC Bioinformatics</i> , 2018, 19, 514.	1.2	59
2574	Sequencing the mosaic genome of Brahman cattle identifies historic and recent introgression including polled. <i>Scientific Reports</i> , 2018, 8, 17761.	1.6	39
2575	Dysregulated miR-155 and miR-125b Are Related to Impaired B-cell Responses in Down Syndrome. <i>Frontiers in Immunology</i> , 2018, 9, 2683.	2.2	30
2576	Biogenesis, Stabilization, and Transport of microRNAs in Kidney Health and Disease. <i>Non-coding RNA</i> , 2018, 4, 30.	1.3	5
2577	In silico identification and characterization of a diverse subset of conserved microRNAs in bioenergy crop <i>Arundo donax</i> L.. <i>Scientific Reports</i> , 2018, 8, 16667.	1.6	9
2578	Exercise Training-Induced Changes in MicroRNAs: Beneficial Regulatory Effects in Hypertension, Type 2 Diabetes, and Obesity. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3608.	1.8	74
2579	Mapping the Pax6 3' untranslated region microRNA regulatory landscape. <i>BMC Genomics</i> , 2018, 19, 820.	1.2	6
2580	endo-siRBase: A multi-species developmental endo-siRNA repository and searchable database. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
2581	Novel and differentially abundant microRNAs in sperm cells, seminal plasma, and serum of boars due to porcine reproduction and respiratory syndrome virus infection. <i>Animal Reproduction Science</i> , 2018, 199, 60-71.	0.5	7
2582	Noncoding RNAs and their epitranscriptomic influences in cancer. <i>Epigenomics</i> , 2018, 10, 1361-1363.	1.0	0
2583	Association of a potential functional mir-520f rs75598818 G > A polymorphism with breast cancer. <i>Journal of Genetics</i> , 2018, 97, 1307-1313.	0.4	7
2584	RATEmiRs: the rat atlas of tissue-specific and enriched miRNAs database. <i>BMC Genomics</i> , 2018, 19, 825.	1.2	19
2585	Novel Human miRNA-Disease Association Inference Based on Random Forest. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 13, 568-579.	2.3	97
2586	<i>Genomes and Variants</i> , 2018, , 17-33.		0
2587	A miRNA Host Response Signature Accurately Discriminates Acute Respiratory Infection Etiologies. <i>Frontiers in Microbiology</i> , 2018, 9, 2957.	1.5	14
2588	MicroRNA dysregulatory synergistic network: discovering microRNA dysregulatory modules across subtypes in non-small cell lung cancers. <i>BMC Bioinformatics</i> , 2018, 19, 504.	1.2	9
2589	Inferring Disease-miRNA Associations by Self-Weighting with Multiple Data Source. <i>Molecular Biology</i> , 2018, 52, 749-760.	0.4	1
2590	Interpreting Non-coding Genetic Variation in Multiple Sclerosis Genome-Wide Associated Regions. <i>Frontiers in Genetics</i> , 2018, 9, 647.	1.1	25
2591	Loss of miR-83 extends lifespan and affects target gene expression in an age-dependent manner in <i>Caenorhabditis elegans</i> . <i>Journal of Genetics and Genomics</i> , 2018, 45, 651-662.	1.7	9
2592	Several phased siRNA annotation methods can frequently misidentify 24 nucleotide siRNA-dominated PHAS loci. <i>Plant Direct</i> , 2018, 2, e00101.	0.8	17
2593	miRTrace reveals the organismal origins of microRNA sequencing data. <i>Genome Biology</i> , 2018, 19, 213.	3.8	44
2594	Genome-wide analysis of RNAs associated with <i>Populus euphratica</i> Oliv. heterophyll morphogenesis. <i>Scientific Reports</i> , 2018, 8, 17248.	1.6	14
2595	Identification and Characterization of MicroRNAs Associated with Somatic Copy Number Alterations in Cancer. <i>Cancers</i> , 2018, 10, 475.	1.7	6
2596	Association of Genetic Variants of Small Non-Coding RNAs with Survival in Colorectal Cancer. <i>International Journal of Medical Sciences</i> , 2018, 15, 217-222.	1.1	3
2598	Predicting microRNA-disease associations using bipartite local models and hubness-aware regression. <i>RNA Biology</i> , 2018, 15, 1192-1205.	1.5	32
2599	MicroRNAs as biological regulators in skin disorders. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 996-1004.	2.5	58

#	ARTICLE	IF	CITATIONS
2600	Predicting microRNA targeting efficacy in <i>Drosophila</i> . <i>Genome Biology</i> , 2018, 19, 152.	3.8	91
2601	Expression Profile of <i>Glossina pallidipes</i> MicroRNAs During Symptomatic and Asymptomatic Infection With <i>Glossina pallidipes</i> Salivary Gland Hypertrophy Virus (Hytrosavirus). <i>Frontiers in Microbiology</i> , 2018, 9, 2037.	1.5	7
2602	Uncovering association networks through an eQTL analysis involving human miRNAs and lincRNAs. <i>Scientific Reports</i> , 2018, 8, 15050.	1.6	6
2603	Integrating Transcriptome and Experiments Reveals the Anti-diabetic Mechanism of <i>Cyclocarya paliurus</i> Formula. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 13, 419-430.	2.3	12
2604	Predicting Human miRNA-like Sequences within Human Papillomavirus Genomes. <i>Archives of Medical Research</i> , 2018, 49, 323-334.	1.5	2
2605	Identification of eight key miRNAs associated with renal cell carcinoma: A meta-analysis. <i>Oncology Letters</i> , 2018, 16, 5847-5855.	0.8	20
2606	Distinct communication patterns of trophoblastic miRNA among the maternal-placental-fetal compartments. <i>Placenta</i> , 2018, 72-73, 28-35.	0.7	24
2607	Progress of Genomics in Hypertension—Cardiac Hypertrophy. <i>Translational Bioinformatics</i> , 2018, , 179-217.	0.0	0
2608	Control of Immunoregulatory Molecules by miRNAs in T Cell Activation. <i>Frontiers in Immunology</i> , 2018, 9, 2148.	2.2	69
2609	MicroRNA-539 inhibits colorectal cancer progression by directly targeting SOX4. <i>Oncology Letters</i> , 2018, 16, 2693-2700.	0.8	16
2610	The Lhx1-Ldb1 complex interacts with Furry to regulate microRNA expression during pronephric kidney development. <i>Scientific Reports</i> , 2018, 8, 16029.	1.6	6
2611	A regulation loop between Nrf1 and MRTF-A controls migration and invasion in MDA-MB-231 breast cancer cells. <i>International Journal of Molecular Medicine</i> , 2018, 42, 2459-2468.	1.8	2
2612	Dual-layer transposon repression in heads of <i>Drosophila melanogaster</i> . <i>Rna</i> , 2018, 24, 1749-1760.	1.6	14
2613	Comprehensive RNA-Sequencing Analysis in Serum and Muscle Reveals Novel Small RNA Signatures with Biomarker Potential for DMD. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 13, 1-15.	2.3	41
2614	MiR-19b non-canonical binding is directed by HuR and confers chemosensitivity through regulation of P-glycoprotein in breast cancer. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 996-1006.	0.9	27
2615	Draft genome sequence of wild <i>Prunus yedoensis</i> reveals massive inter-specific hybridization between sympatric flowering cherries. <i>Genome Biology</i> , 2018, 19, 127.	3.8	89
2616	Identification and verification of differentially expressed microRNAs and their target genes for the diagnosis of esophageal cancer. <i>Oncology Letters</i> , 2018, 16, 3642-3650.	0.8	20
2617	Detection of microRNA in cattle serum and their potential use to diagnose severity of Johne's disease. <i>Journal of Dairy Science</i> , 2018, 101, 10259-10270.	1.4	34

#	ARTICLE	IF	CITATIONS
2618	Highly sensitive and multiplexed miRNA analysis based on digitally encoded silica microparticles coupled with RCA-based cascade amplification. <i>Analyst, The</i> , 2018, 143, 5137-5144.	1.7	11
2619	Noncoding RNAs in Retrovirus Replication. , 2018, , 421-478.		1
2620	Identification of six key miRNAs associated with breast cancer through screening large-scale microarray data. <i>Oncology Letters</i> , 2018, 16, 4159-4168.	0.8	7
2621	Examining the Genetic Background of Porcine Muscle Growth and Development Based on Transcriptome and miRNAome Data. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1208.	1.8	20
2622	Crosstalk between MicroRNAs and Autophagy in Adult Neurogenesis: Implications for Neurodegenerative Disorders. <i>Brain Plasticity</i> , 2018, 3, 195-203.	1.9	8
2623	Response to Persistent ER Stress in Plants: A Multiphasic Process That Transitions Cells from Prosurvival Activities to Cell Death. <i>Plant Cell</i> , 2018, 30, 1220-1242.	3.1	67
2624	Microarray analysis of miRNA expression profiles following whole body irradiation in a mouse model. <i>Biomarkers</i> , 2018, 23, 689-703.	0.9	28
2625	Towards precise reconstruction of gene regulatory networks by data integration. <i>Quantitative Biology</i> , 2018, 6, 113-128.	0.3	4
2626	Motif scraper: a cross-platform, open-source tool for identifying degenerate nucleotide motif matches in FASTA files. <i>Bioinformatics</i> , 2018, 34, 3926-3928.	1.8	7
2627	Integrating multi-source information on a single network to detect disease-related clusters of molecular mechanisms. <i>Journal of Proteomics</i> , 2018, 188, 15-29.	1.2	37
2628	Multiplicity of phenotypes and RNA evolution. <i>Journal of Theoretical Biology</i> , 2018, 447, 139-146.	0.8	9
2629	Estrogen receptor $\hat{1}^2$ promotes renal cell carcinoma progression via regulating LncRNA HOTAIR-miR-138/200c/204/217 associated CeRNA network. <i>Oncogene</i> , 2018, 37, 5037-5053.	2.6	93
2630	MicroRNAs in Exosomes in Cancer. , 2018, , 59-78.		4
2631	Expression of miRNAs Targeting mTOR and S6K1 Genes of mTOR Signaling Pathway Including miR-96, miR-557, and miR-3182 in Triple-Negative Breast Cancer. <i>Applied Biochemistry and Biotechnology</i> , 2018, 186, 1074-1089.	1.4	31
2632	Assessing the functional association of intronic miRNAs with their host genes. <i>Rna</i> , 2018, 24, 991-1004.	1.6	43
2633	Comprehensive identification of microRNA arm selection preference in lung cancer: miR-324-5p and -3p serve oncogenic functions in lung cancer. <i>Oncology Letters</i> , 2018, 15, 9818-9826.	0.8	28
2634	Human papillomavirus 16 E6 modulates the expression of miR-496 in oropharyngeal cancer. <i>Virology</i> , 2018, 521, 149-157.	1.1	14
2635	TGF- $\hat{1}^2$ signaling alters H4K20me3 status via miR-29 and contributes to cellular senescence and cardiac aging. <i>Nature Communications</i> , 2018, 9, 2560.	5.8	124

#	ARTICLE	IF	CITATIONS
2636	High resolution annotation of zebrafish transcriptome using long-read sequencing. <i>Genome Research</i> , 2018, 28, 1415-1425.	2.4	69
2637	Computational Approaches in Reproductomics. , 2018, , 347-383.		0
2638	Identification of MicroRNAs and Their Target Genes Associated with Ovarian Development in Black Tiger Shrimp (<i>Penaeus monodon</i>) Using High-Throughput Sequencing. <i>Scientific Reports</i> , 2018, 8, 11602.	1.6	11
2639	MicroRNA signatures in cardiac biopsies and detection of allograft rejection. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 1329-1340.	0.3	34
2640	Lateral Root Development in Potato Is Mediated by Stu-mi164 Regulation of NAC Transcription Factor. <i>Frontiers in Plant Science</i> , 2018, 9, 383.	1.7	53
2641	ARMOUR “ A Rice miRNA: mRNA Interaction Resource. <i>Frontiers in Plant Science</i> , 2018, 9, 602.	1.7	10
2642	Cyclin D1-mediated microRNA expression signature predicts breast cancer outcome. <i>Theranostics</i> , 2018, 8, 2251-2263.	4.6	26
2643	Pain-Associated Transcriptome Changes in Synovium of Knee Osteoarthritis Patients. <i>Genes</i> , 2018, 9, 338.	1.0	37
2644	Identification of virus-encoded microRNAs in divergent Papillomaviruses. <i>PLoS Pathogens</i> , 2018, 14, e1007156.	2.1	27
2645	Circulating microRNAs and prediction of asthma exacerbation in childhood asthma. <i>Respiratory Research</i> , 2018, 19, 128.	1.4	70
2646	miR-MaGiC improves quantification accuracy for small RNA-seq. <i>BMC Research Notes</i> , 2018, 11, 296.	0.6	9
2647	<scp>d</scp> Rhamnose $\hat{1}^2$ -hederin reverses chemoresistance of breast cancer cells by regulating exosome-mediated resistance transmission. <i>Bioscience Reports</i> , 2018, 38, .	1.1	16
2648	Role of microRNAs in aldosterone signaling. <i>Current Opinion in Nephrology and Hypertension</i> , 2018, 27, 390-394.	1.0	16
2649	Integrated Analysis Reveals That miR-193b, miR-671, and TREM-1 Correlate With a Good Response to Treatment of Human Localized Cutaneous Leishmaniasis Caused by <i>Leishmania braziliensis</i> . <i>Frontiers in Immunology</i> , 2018, 9, 640.	2.2	25
2650	miRNA Long-Term Response to Early Metabolic Environmental Challenge in Hypothalamic Arcuate Nucleus. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 90.	1.4	5
2651	Using microRNA Networks to Understand Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1871.	1.8	74
2652	The Glucose-Regulated MiR-483-3p Influences Key Signaling Pathways in Cancer. <i>Cancers</i> , 2018, 10, 181.	1.7	35
2653	The miRNA Mirage: How Close Are We to Finding a Non-Invasive Diagnostic Biomarker in Endometriosis? A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2018, 19, 599.	1.8	86

#	ARTICLE	IF	CITATIONS
2654	The Oncogenic Relevance of miR-17-92 Cluster and Its Paralogous miR-106b-25 and miR-106a-363 Clusters in Brain Tumors. <i>International Journal of Molecular Sciences</i> , 2018, 19, 879.	1.8	46
2655	Genome-Wide Identification of MicroRNAs in Response to Cadmium Stress in Oilseed Rape (<i>Brassica</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 1431.	1.8	34
2656	Impact of miRNA-mRNA Profiling and Their Correlation on Medulloblastoma Tumorigenesis. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 490-503.	2.3	36
2657	Identification and annotation of newly conserved microRNAs and their targets in wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 14	1.1	14
2658	A comprehensive review of web-based resources of non-coding RNAs for plant science research. <i>International Journal of Biological Sciences</i> , 2018, 14, 819-832.	2.6	23
2659	Genome-wide profiling of sRNAs in the <i>Verticillium dahliae</i> -infected <i>Arabidopsis</i> roots. <i>Mycology</i> , 2018, 9, 155-165.	2.0	6
2660	Expression and function of microRNA-9 in the mid-hindbrain area of embryonic chick. <i>BMC Developmental Biology</i> , 2018, 18, 3.	2.1	8
2661	Application values of miR-194 and miR-29 in the diagnosis and prognosis of gastric cancer. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 4179-4184.	0.8	31
2662	MicroRNA Expression Analysis of Naked Silkworms. <i>Journal of Economic Entomology</i> , 2018, 111, 2876-2883.	0.8	4
2663	miR-320b Is Down-Regulated in Psoriasis and Modulates Keratinocyte Proliferation by Targeting AKT3. <i>Inflammation</i> , 2018, 41, 2160-2170.	1.7	20
2664	Investigating the Molecular Mechanism of Aqueous Extract of <i>Cyclocarya paliurus</i> on Ameliorating Diabetes by Transcriptome Profiling. <i>Frontiers in Pharmacology</i> , 2018, 9, 912.	1.6	9
2665	The small RNA complement of adult <i>Schistosoma haematobium</i> . <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006535.	1.3	17
2666	MicroRNA-17 and the prognosis of human carcinomas: a systematic review and meta-analysis. <i>BMJ Open</i> , 2018, 8, e018070.	0.8	14
2667	Integrated micro/messenger RNA regulatory networks in essential thrombocytosis. <i>PLoS ONE</i> , 2018, 13, e0191932.	1.1	8
2668	Wolbachia-mediated virus blocking in mosquito cells is dependent on XRN1-mediated viral RNA degradation and influenced by viral replication rate. <i>PLoS Pathogens</i> , 2018, 14, e1006879.	2.1	58
2669	Mitochondrial regulation in skeletal muscle: A role for non-coding RNAs?. <i>Experimental Physiology</i> , 2018, 103, 1132-1144.	0.9	10
2670	Genome-wide identification, expression profiling, and target gene analysis of microRNA<sc>s in the Onion thrips, <i>Thrips tabaci</i> Lindeman (Thysanoptera: Thripidae), vectors of tospoviruses (Bunyaviridae). <i>Ecology and Evolution</i> , 2018, 8, 6399-6419.	0.8	8
2671	Exploration of the molecular mechanisms of cervical cancer based on mRNA expression profiles and predicted microRNA interactions. <i>Oncology Letters</i> , 2018, 15, 8965-8972.	0.8	13

#	ARTICLE	IF	CITATIONS
2672	Integrative Bioinformatics of Transcriptome: Databases, Tools and Pipelines. , 2019, , 1099-1103.		0
2673	Functional Genomics. , 2019, , 118-133.		5
2674	Neonatal lactocrine deficiency affects the adult porcine endometrial transcriptome at pregnancy day 13. Biology of Reproduction, 2019, 100, 71-85.	1.2	3
2675	A Bioinformatics Toolkit: In Silico Tools and Online Resources for Investigating Genetic Variation. Seminars in Thrombosis and Hemostasis, 2019, 45, 674-684.	1.5	1
2676	p85 Inactivates MMP-2 and Suppresses Bladder Cancer Invasion by Inhibiting MMP-14 Transcription and TIMP-2 Degradation. Neoplasia, 2019, 21, 908-920.	2.3	7
2677	Identification of miRNAs involved in fruit ripening by deep sequencing of Olea europaea L. transcriptome. PLoS ONE, 2019, 14, e0221460.	1.1	18
2678	miR-195 suppresses metastasis and angiogenesis of squamous cell lung cancer by inhibiting the expression of VEGF. Molecular Medicine Reports, 2019, 20, 2625-2632.	1.1	27
2679	Differentially Expressed MiRNAs and tRNA Genes Affect Host Homeostasis During Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus Infections in Young Pigs. Frontiers in Genetics, 2019, 10, 691.	1.1	15
2680	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
2681	Protocols for the Analysis of microRNA Expression, Biogenesis, and Function in Immune Cells. Current Protocols in Immunology, 2019, 126, e78.	3.6	20
2682	Ensemble of decision tree reveals potential miRNA-disease associations. PLoS Computational Biology, 2019, 15, e1007209.	1.5	166
2683	MicroRNA-transcriptome networks in whole blood and monocytes of women undergoing preterm labour. Journal of Cellular and Molecular Medicine, 2019, 23, 6835-6845.	1.6	17
2684	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
2685	MicroRNA Sequencing Reveals the Effect of Different Levels of Non-Fibrous Carbohydrate/Neutral Detergent Fiber on Rumen Development in Calves. Animals, 2019, 9, 496.	1.0	7
2686	miRBaseMiner, a tool for investigating miRBase content. RNA Biology, 2019, 16, 1534-1546.	1.5	19
2687	MicroRNA Regulation of Epigenetic Modifiers in Breast Cancer. Cancers, 2019, 11, 897.	1.7	52
2688	Small RNA profiling of Cavendish banana roots inoculated with Fusarium oxysporum f. sp. cubense race 1 and tropical race 4. Phytopathology Research, 2019, 1, .	0.9	10
2689	Lineage-Specific Evolved MicroRNAs Regulating NB-LRR Defense Genes in Triticeae. International Journal of Molecular Sciences, 2019, 20, 3128.	1.8	8

#	ARTICLE	IF	CITATIONS
2690	HNRNPA2/B1 is upregulated in endocrine-resistant LCC9 breast cancer cells and alters the miRNA transcriptome when overexpressed in MCF-7 cells. <i>Scientific Reports</i> , 2019, 9, 9430.	1.6	78
2691	Oncogenic Biogenesis of pri-miR-17 ^{~1} /492 Reveals Hierarchy and Competition among Polycistronic MicroRNAs. <i>Molecular Cell</i> , 2019, 75, 340-356.e10.	4.5	26
2692	Crosstalk Between Plant miRNA and Heavy Metal Toxicity. , 2019, , 145-168.		11
2693	Molecular Responses to Cold Stress in Temperate Fruit Crops with Focus on Rosaceae Family. <i>Sustainable Development and Biodiversity</i> , 2019, , 105-130.	1.4	6
2694	Unique miRNA profiling of squamous cell carcinoma arising from ovarian mature teratoma: comprehensive miRNA sequence analysis of its molecular background. <i>Carcinogenesis</i> , 2019, 40, 1435-1444.	1.3	9
2695	Integrated Analysis of Small RNA, Transcriptome and Degradome Sequencing Provides New Insights into Floral Development and Abscission in Yellow Lupine (<i>Lupinus luteus</i> L.). <i>International Journal of Molecular Sciences</i> , 2019, 20, 5122.	1.8	21
2697	Integrative Analysis of miRNA and mRNA Expression Profiles Associated With Human Atrial Aging. <i>Frontiers in Physiology</i> , 2019, 10, 1226.	1.3	13
2698	Inventory of European Sea Bass (<i>Dicentrarchus labrax</i>) sncRNAs Vital During Early Teleost Development. <i>Frontiers in Genetics</i> , 2019, 10, 657.	1.1	9
2699	Transcription Factors Targeted by miRNAs Regulating Smooth Muscle Cell Growth and Intimal Thickening after Vascular Injury. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5445.	1.8	14
2700	miRNAs derived from cancer-associated fibroblasts in colorectal cancer. <i>Epigenomics</i> , 2019, 11, 1627-1645.	1.0	58
2701	CGMDA: An Approach to Predict and Validate MicroRNA-Disease Associations by Utilizing Chaos Game Representation and LightGBM. <i>IEEE Access</i> , 2019, 7, 133314-133323.	2.6	27
2702	DNA Replication Inhibitor Geminin and Retinoic Acid Signaling Participate in Complex Interactions Associated With Pluripotency. <i>Cancer Genomics and Proteomics</i> , 2019, 16, 593-601.	1.0	9
2703	Genome-Wide Characterization and Expression Profiling of Squamosa Promoter Binding Protein-like (SBP) Transcription Factors in Wheat (<i>Triticum aestivum</i> L.). <i>Agronomy</i> , 2019, 9, 527.	1.3	26
2704	<i>PinMol</i>: Python application for designing molecular beacons for live cell imaging of endogenous mRNAs. <i>Rna</i> , 2019, 25, 305-318.	1.6	8
2705	Large-scale rapid detection of circulating microRNAs in plasma for diagnosis and screening of specific diseases. <i>Nanoscale</i> , 2019, 11, 16879-16885.	2.8	7
2706	MicroRNA-576-3p inhibits the migration and proangiogenic abilities of hypoxia-treated glioma cells through hypoxia-inducible factor-1 β . <i>International Journal of Molecular Medicine</i> , 2019, 43, 2387-2397.	1.8	19
2707	Bioinspired photonic barcodes for multiplexed target cycling and hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2019, 143, 111629.	5.3	20
2708	Increased plasma levels of miR-124-3p, miR-125b-5p and miR-192-5p are associated with outcomes in acute ischaemic stroke patients receiving thrombolysis. <i>Atherosclerosis</i> , 2019, 289, 36-43.	0.4	37

#	ARTICLE	IF	CITATIONS
2709	Oxygen-induced circRNA profiles and coregulatory networks in a retinopathy of prematurity mouse model. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 2037-2050.	0.8	6
2710	A Complete Pipeline for Isolating and Sequencing MicroRNAs, and Analyzing Them Using Open Source Tools. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	2
2711	A ceRNA Circuitry Involving the Long Noncoding RNA Klhl14-AS, Pax8, and Bcl2 Drives Thyroid Carcinogenesis. <i>Cancer Research</i> , 2019, 79, 5746-5757.	0.4	23
2712	RNAseq analysis reveals drought-responsive molecular pathways with candidate genes and putative molecular markers in root tissue of wheat. <i>Scientific Reports</i> , 2019, 9, 13917.	1.6	60
2713	miR-183 inhibits microglia activation and expression of inflammatory factors in rats with cerebral ischemia reperfusion via NF- κ B signaling pathway. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 2540-2546.	0.8	22
2714	<i>Bacillus coagulans</i> R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs. <i>Environmental Pollution</i> , 2019, 255, 113139.	3.7	38
2715	Plasma extracellular vesicle microRNAs for pulmonary ground-glass nodules. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1663666.	5.5	38
2716	Microbiome Multi-Omics Network Analysis: Statistical Considerations, Limitations, and Opportunities. <i>Frontiers in Genetics</i> , 2019, 10, 995.	1.1	101
2717	Analysis of Small RNAs from <i>Solanum torvum</i> Swartz by Deep Sequencing. <i>Tropical Plant Biology</i> , 2019, 12, 44-54.	1.0	1
2718	Identification and expression profiling of microRNAs in <i>Hymenolepis</i> . <i>International Journal for Parasitology</i> , 2019, 49, 211-223.	1.3	13
2719	The interplay between microRNA and alternative splicing of linear and circular RNAs in eleven plant species. <i>Bioinformatics</i> , 2019, 35, 3119-3126.	1.8	18
2720	anamiR: integrated analysis of MicroRNA and gene expression profiling. <i>BMC Bioinformatics</i> , 2019, 20, 239.	1.2	13
2721	<i>Giardia lamblia</i> miRNAs as a new diagnostic tool for human giardiasis. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007398.	1.3	6
2722	Identification and characterization of <i>Populus</i> microRNAs in response to plant growth-promoting endophytic <i>Streptomyces</i> sp. SSD49. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 97.	1.7	13
2723	Correlation of miRNA expression with intensity of neuropathic pain in man. <i>Molecular Pain</i> , 2019, 15, 174480691986032.	1.0	14
2724	A comparison of RNA extraction and sequencing protocols for detection of small RNAs in plasma. <i>BMC Genomics</i> , 2019, 20, 446.	1.2	55
2725	Intracellular MicroRNA imaging using telomerase-catalyzed FRET ratioflares with signal amplification. <i>Chemical Science</i> , 2019, 10, 7111-7118.	3.7	39
2726	CBS-miRSeq: A comprehensive tool for accurate and extensive analyses of microRNA-sequencing data. <i>Computers in Biology and Medicine</i> , 2019, 110, 234-243.	3.9	7

#	ARTICLE	IF	CITATIONS
2727	Exosome-derived uterine microRNAs isolated from cows with endometritis impede blastocyst development. <i>Reproductive Biology</i> , 2019, 19, 204-209.	0.9	24
2728	Sequence-specific recognition of structured RNA by triplex-forming peptide nucleic acids. <i>Methods in Enzymology</i> , 2019, 623, 401-416.	0.4	5
2729	Dual Epigenetic Regulation of ER1±36 Expression in Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2637.	1.8	17
2730	Analysis of miRNAs Targeted Storage Regulatory Genes during Soybean Seed Development Based on Transcriptome Sequencing. <i>Genes</i> , 2019, 10, 408.	1.0	14
2731	Induced androgenetic development in rainbow trout and transcriptome analysis of irradiated eggs. <i>Scientific Reports</i> , 2019, 9, 8084.	1.6	7
2732	MicroRNA heterogeneity in melanoma progression. <i>Seminars in Cancer Biology</i> , 2019, 59, 208-220.	4.3	24
2733	Interpreting the MicroRNA-15/107 family: interaction identification by combining network based and experiment supported approach. <i>BMC Medical Genetics</i> , 2019, 20, 96.	2.1	14
2734	Predicting microRNA-disease association based on microRNA structural and functional similarity network. <i>Quantitative Biology</i> , 2019, 7, 138-146.	0.3	2
2735	Bioinformatics Resource Manager: a systems biology web tool for microRNA and omics data integration. <i>BMC Bioinformatics</i> , 2019, 20, 255.	1.2	5
2736	In vitro assessment of mechanistic events induced by structurally related chemical rubber sensitizers. <i>Toxicology in Vitro</i> , 2019, 60, 144-153.	1.1	3
2737	MicroRNA26 attenuates vascular smooth muscle maturation via endothelial BMP signalling. <i>PLoS Genetics</i> , 2019, 15, e1008163.	1.5	8
2738	In silico analysis revealed Zika virus miRNAs associated with viral pathogenesis through alteration of host genes involved in immune response and neurological functions. <i>Journal of Medical Virology</i> , 2019, 91, 1584-1594.	2.5	28
2739	ALG-1 Influences Accurate mRNA Splicing Patterns in the <i>Caenorhabditis elegans</i> Intestine and Body Muscle Tissues by Modulating Splicing Factor Activities. <i>Genetics</i> , 2019, 212, 931-951.	1.2	8
2740	Involvement of microRNAs in physiological and pathological processes in asthma. <i>Journal of Cellular Physiology</i> , 2019, 234, 21547-21559.	2.0	26
2741	A comparative analysis of small RNAs between two Upland cotton backcross inbred lines with different fiber length: Expression and distribution. <i>Crop Journal</i> , 2019, 7, 198-208.	2.3	7
2742	The role of MicroRNAs in defense against viral phytopathogens. <i>Physiological and Molecular Plant Pathology</i> , 2019, 107, 8-13.	1.3	7
2743	Nutritive implications of dietary microRNAs: facts, controversies, and perspectives. <i>Food and Function</i> , 2019, 10, 3044-3056.	2.1	8
2744	Exosomal miRNAs as Novel Pharmacodynamic Biomarkers for Cancer Chemopreventive Agent Early Stage Treatments in Chemically Induced Mouse Model of Lung Squamous Cell Carcinoma. <i>Cancers</i> , 2019, 11, 477.	1.7	6

#	ARTICLE	IF	CITATIONS
2745	Identification of a novel salivary biomarker miR-143-3p for periodontal diagnosis: A proof of concept study. <i>Journal of Periodontology</i> , 2019, 90, 1149-1159.	1.7	34
2746	microRNA expression profile in Smooth Muscle Cells isolated from thoracic aortic aneurysm samples. <i>Advances in Medical Sciences</i> , 2019, 64, 331-337.	0.9	3
2747	miR-27b-mediated suppression of aquaporin-11 expression in hepatocytes reduces HCV genomic RNA levels but not viral titers. <i>Virology Journal</i> , 2019, 16, 58.	1.4	5
2748	Microbe and host interaction in gastrointestinal homeostasis. <i>Psychopharmacology</i> , 2019, 236, 1623-1640.	1.5	22
2749	High levels of PIWI-interacting RNAs are present in the small RNA landscape of prostate epithelium from vitamin D clinical trial specimens. <i>Prostate</i> , 2019, 79, 840-855.	1.2	11
2750	Identification of Expressed miRNAs in Human Rheumatoid Arthritis Using Computational Approach – Discovery of a New miR-7167 from Human. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2019, 8, 147-154.	0.6	4
2751	Seminal Plasma Exosomes: Promising Biomarkers for Identification of Male and Pseudo-Males in <i>Cynoglossus semilaevis</i> . <i>Marine Biotechnology</i> , 2019, 21, 310-319.	1.1	24
2752	Comparative genomics reveals origin of MIR159A-MIR159B paralogy, and complexities of PTGS interaction between miR159 and target GA-MYBs in Brassicaceae. <i>Molecular Genetics and Genomics</i> , 2019, 294, 693-714.	1.0	12
2753	Long Non-coding RNAs Coordinate Developmental Transitions and Other Key Biological Processes in Grapevine. <i>Scientific Reports</i> , 2019, 9, 3552.	1.6	31
2754	Platelet MicroRNAs. , 2019, , 127-138.		1
2755	Single nucleotide polymorphisms, variable number tandem repeats and allele influence on serotonergic enzyme modulators for aggressive and suicidal behaviors: A review. <i>Pharmacology Biochemistry and Behavior</i> , 2019, 180, 74-82.	1.3	13
2756	Comparative analysis of microRNA profiles between wild and cultured <i>Haemaphysalis longicornis</i> (Acari, Ixodidae) ticks. <i>Parasite</i> , 2019, 26, 18.	0.8	8
2757	Nutritional Regulation of Mammary miRNome: Implications for Human Studies. , 2019, , 1495-1511.		0
2758	Inhibition of pre-miRNA-136 processing by Dicer with small molecule BzDANP suggested the formation of ternary complex of pre-miR-136-BzDANP-Dicer. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2140-2148.	1.4	8
2759	Identification of 8 miRNAs as biomarkers for nonalcoholic fatty liver disease. <i>Journal of Cellular Physiology</i> , 2019, 234, 17361-17369.	2.0	6
2760	Identification of microRNAs for regulating adenosine monophosphate-activated protein kinase expression in immature boar Sertoli cells in vitro. <i>Molecular Reproduction and Development</i> , 2019, 86, 450-464.	1.0	4
2761	Current Challenges in the Management of Neuroblastoma. , 2019, , 213-229.		0
2762	Transcriptome profiling reveals the anti-diabetic molecular mechanism of <i>Cyclocarya paliurus</i> polysaccharides. <i>Journal of Functional Foods</i> , 2019, 55, 1-8.	1.6	17

#	ARTICLE	IF	CITATIONS
2763	Alterations in tissue microRNA after heat stress in the conscious rat: potential biomarkers of organ-specific injury. <i>BMC Genomics</i> , 2019, 20, 141.	1.2	13
2764	Small RNAs in Rat Sperm Are a Predictive and Sensitive Biomarker of Exposure to the Testicular Toxicant Ethylene Glycol Monomethyl Ether. <i>Toxicological Sciences</i> , 2019, 169, 399-408.	1.4	12
2765	Post-transcriptional adaptation of the aquatic plant <i>Spirodela polyrhiza</i> under stress and hormonal stimuli. <i>Plant Journal</i> , 2019, 98, 1120-1133.	2.8	13
2766	Computational methods for microRNA and PIWI-interacting RNA gene discovery and functional predictions. , 2019, , 35-53.		0
2767	Computational Tools for microRNA Target Prediction. , 2019, , 79-105.		6
2768	Functional polymorphism within miR-23a~1/427a~1/424-2 cluster confers clinical outcome of breast cancer in Pakistani cohort. <i>Personalized Medicine</i> , 2019, 16, 107-114.	0.8	1
2769	Predicting the origin of stains from whole miRNome massively parallel sequencing data. <i>Forensic Science International: Genetics</i> , 2019, 40, 131-139.	1.6	25
2770	Interplay between miRNAs and host genes and their role in cancer. <i>Briefings in Functional Genomics</i> , 2019, 18, 255-266.	1.3	103
2771	Comprehensive Investigation of miRNome Identifies Novel Candidate miRNA-mRNA Interactions Implicated in T-Cell Acute Lymphoblastic Leukemia. <i>Neoplasia</i> , 2019, 21, 294-310.	2.3	19
2772	Genetic and Genomic Basis of Aggressive Behavior. <i>Russian Journal of Genetics</i> , 2019, 55, 1445-1459.	0.2	5
2773	Small Noncoding RNA Expression in Cancer. , 2019, , .		1
2774	Up-regulation of miR-let7a~5p Leads to Decreased Expression of ABCC2 in Obstructive Cholestasis. <i>Hepatology Communications</i> , 2019, 3, 1674-1686.	2.0	8
2775	Secondary Structural Model of Human MALAT1 Reveals Multiple Structure-Function Relationships. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5610.	1.8	41
2776	Human genetics and neuropathology suggest a link between miR-218 and amyotrophic lateral sclerosis pathophysiology. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	37
2777	A network view of microRNA and gene interactions in different pathological stages of colon cancer. <i>BMC Medical Genomics</i> , 2019, 12, 158.	0.7	5
2778	MicroRNA Detection with Turnover Amplification via Hybridization-Mediated Staudinger Reduction for Pancreatic Cancer Diagnosis. <i>Journal of the American Chemical Society</i> , 2019, 141, 20490-20497.	6.6	39
2779	MicroRNAs Involved in Carcinogenesis, Prognosis, Therapeutic Resistance, and Applications in Human Triple-Negative Breast Cancer. <i>Cells</i> , 2019, 8, 1492.	1.8	102
2780	<p>MiR-195-5p Inhibits Proliferation and Induces Apoptosis of Non-Small Cell Lung Cancer Cells by Targeting CEP55</p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 11465-11474.	1.0	53

#	ARTICLE	IF	CITATIONS
2781	Robust profiling of microRNAs and isomiRs in human plasma exosomes across 46 individuals. <i>Scientific Reports</i> , 2019, 9, 19999.	1.6	24
2782	Expression and role of microRNA-663b in childhood acute lymphocytic leukemia and its mechanism. <i>Open Medicine (Poland)</i> , 2019, 14, 863-871.	0.6	3
2783	DeepMiR2GO: Inferring Functions of Human MicroRNAs Using a Deep Multi-Label Classification Model. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6046.	1.8	7
2784	DNA methylation directs microRNA biogenesis in mammalian cells. <i>Nature Communications</i> , 2019, 10, 5657.	5.8	89
2785	Min3: Predict microRNA target gene using an improved binding-site representation method and support vector machine. <i>Journal of Bioinformatics and Computational Biology</i> , 2019, 17, 1950032.	0.3	2
2786	Integrated analysis identifying long non-coding RNAs (lncRNAs) for competing endogenous RNAs (ceRNAs) network-regulated palatal shelf fusion in the development of mouse cleft palate. <i>Annals of Translational Medicine</i> , 2019, 7, 762-762.	0.7	10
2787	Circulating miRNAs in diabetic kidney disease: case-control study and in silico analyses. <i>Acta Diabetologica</i> , 2019, 56, 55-65.	1.2	41
2788	Revealing Clusters of Connected Pathways Through Multisource Data Integration in Huntington's Disease and Spastic Ataxia. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 26-37.	3.9	18
2789	Large-scale validation of miRNAs by disease association, evolutionary conservation and pathway activity. <i>RNA Biology</i> , 2019, 16, 93-103.	1.5	5
2790	Label-Free and Multiplexed Quantification of microRNAs by Mass Spectrometry Based on Duplex-Specific-Nuclease-Assisted Recycling Amplification. <i>Analytical Chemistry</i> , 2019, 91, 2120-2127.	3.2	41
2791	Epigenetic changes and photosynthetic plasticity in response to environment. <i>Environmental and Experimental Botany</i> , 2019, 159, 108-120.	2.0	7
2792	MiRNA-target interactions in osteogenic signaling pathways involving zinc via the metal regulatory element. <i>BioMetals</i> , 2019, 32, 111-121.	1.8	6
2793	Effect of single-nucleotide polymorphism in pri-microRNA-124 on poststroke motor function recovery. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 7125-7132.	1.2	2
2794	Noncoding RNAs regulating cardiac muscle mass. <i>Journal of Applied Physiology</i> , 2019, 127, 633-644.	1.2	10
2795	miRBase: from microRNA sequences to function. <i>Nucleic Acids Research</i> , 2019, 47, D155-D162.	6.5	3,014
2796	MicroRNA profile comparison of testicular tissues derived from successful and unsuccessful microdissection testicular sperm extraction retrieval in non-obstructive azoospermia patients. <i>Reproduction, Fertility and Development</i> , 2019, 31, 671.	0.1	21
2797	Fuzzy based algorithms to predict MicroRNA regulated protein interaction pathways and ranking estimation in <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2019, 692, 170-175.	1.0	2
2798	The miR164-dependent regulatory pathway in developing maize seed. <i>Molecular Genetics and Genomics</i> , 2019, 294, 501-517.	1.0	19

#	ARTICLE	IF	CITATIONS
2799	Human antigen R and drug resistance in tumors. <i>Investigational New Drugs</i> , 2019, 37, 1107-1116.	1.2	10
2800	Network Profiling of Brain-Expressed X-Chromosomal MicroRNA Genes Implicates Shared Key MicroRNAs in Intellectual Disability. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 295-304.	1.1	12
2801	Noncoding RNAs Databases: Current Status and Trends. <i>Methods in Molecular Biology</i> , 2019, 1912, 251-285.	0.4	27
2802	Computational Resources for Prediction and Analysis of Functional miRNA and Their Targetome. <i>Methods in Molecular Biology</i> , 2019, 1912, 215-250.	0.4	27
2803	Bioinformatic analysis of long-lasting transcriptional and translational changes in the basolateral amygdala following acute stress. <i>PLoS ONE</i> , 2019, 14, e0209846.	1.1	18
2804	HIF-1 α -induced miR-23a \sim 1427a \sim 1424 cluster promotes colorectal cancer progression via reprogramming metabolism. <i>Cancer Letters</i> , 2019, 440-441, 211-222.	3.2	45
2805	Anagrelide for Gastrointestinal Stromal Tumor. <i>Clinical Cancer Research</i> , 2019, 25, 1676-1687.	3.2	14
2806	Identification of microRNAs related to myocardial ischemic reperfusion injury. <i>Journal of Cellular Physiology</i> , 2019, 234, 11380-11390.	2.0	17
2807	Regulation of Aldosterone Signaling by MicroRNAs. <i>Vitamins and Hormones</i> , 2019, 109, 69-103.	0.7	9
2808	Identification and characterization of drought responsive microRNAs and their target genes in cardamom (<i>Elettaria cardamomum</i> Maton). <i>Plant Growth Regulation</i> , 2019, 87, 201-216.	1.8	15
2809	Identification of eight meta-signature miRNAs as potential biomarkers for oropharyngeal cancers. <i>Cancer Genetics</i> , 2019, 233-234, 75-83.	0.2	5
2810	MicroRNAs in Gametes and Preimplantation Embryos: Clinical Implications. , 2019, , 241-268.		0
2811	Identification of miRNA and siRNA Targets in Plants. , 2019, , 177-205.		0
2813	Genome-wide profiling reveals extensive alterations in <i>Pseudomonas putida</i> -mediated miRNAs expression during drought stress in chickpea (<i>Cicer arietinum</i> L.). <i>Environmental and Experimental Botany</i> , 2019, 157, 217-227.	2.0	33
2814	Systematic review regulatory principles of non-coding RNAs in cardiovascular diseases. <i>Briefings in Bioinformatics</i> , 2019, 20, 66-76.	3.2	18
2815	MicroRNAs and complex diseases: from experimental results to computational models. <i>Briefings in Bioinformatics</i> , 2019, 20, 515-539.	3.2	507
2816	Identification and functional prediction of circRNAs in <i>Populus Euphratica</i> Oliv. heteromorphic leaves. <i>Genomics</i> , 2020, 112, 92-98.	1.3	16
2817	Interactive functions of microRNAs in the miR α 23a α 27a α 24 α 2 cluster and the potential for targeted therapy in cancer. <i>Journal of Cellular Physiology</i> , 2020, 235, 6-16.	2.0	26

#	ARTICLE	IF	CITATIONS
2818	Potential miRNA-disease association prediction based on kernelized Bayesian matrix factorization. <i>Genomics</i> , 2020, 112, 809-819.	1.3	32
2819	Profiling and characterization of miRNAs associated with intramuscular fat content in Yorkshire pigs. <i>Animal Biotechnology</i> , 2020, 31, 256-263.	0.7	4
2820	Development and characterization of non-coding RNA based simple sequence repeat markers in <i>Capsicum</i> species. <i>Genomics</i> , 2020, 112, 1554-1564.	1.3	32
2821	Transcriptome characterization and expression profiling in chestnut cultivars resistant or susceptible to the gall wasp <i>Dryocosmus kuriphilus</i> . <i>Molecular Genetics and Genomics</i> , 2020, 295, 107-120.	1.0	11
2822	Coding and non-coding transcriptome of mesial temporal lobe epilepsy: Critical role of small non-coding RNAs. <i>Neurobiology of Disease</i> , 2020, 134, 104612.	2.1	33
2823	Integrated exosomal miRNA and transcriptome analysis of brain microvascular endothelial cells in spontaneously hypertensive rats. <i>Hypertension Research</i> , 2020, 43, 90-98.	1.5	6
2824	<i>Biostatistics and Bioinformatics in Clinical Trials.</i> , 2020, , 284-295.e2.		1
2825	<i>Scientific Advances in the Diagnosis of Emerging and Reemerging Viral Human Pathogens.</i> , 2020, , 93-120.		3
2826	Expression levels of microRNAs that are potential cytochrome P450 regulators in cynomolgus macaques. <i>Xenobiotica</i> , 2020, 50, 747-752.	0.5	2
2827	Next-Generation Sequence Databases: RNA and Genomic Informatics Resources for Plants. <i>Plant Physiology</i> , 2020, 182, 136-146.	2.3	22
2828	<i>Non-coding RNA therapy in cancer.</i> , 2020, , 211-220.		0
2829	Small RNAs in parasitic nematodes – forms and functions. <i>Parasitology</i> , 2020, 147, 855-864.	0.7	23
2830	DBMDA: A Unified Embedding for Sequence-Based miRNA Similarity Measure with Applications to Predict and Validate miRNA-Disease Associations. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 602-611.	2.3	49
2831	The coding and non-coding transcriptional landscape of subependymal giant cell astrocytomas. <i>Brain</i> , 2020, 143, 131-149.	3.7	24
2832	Single-molecule fluorescence resonance energy transfer and its biomedical applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 122, 115753.	5.8	21
2833	A Brassica miRNA Regulates Plant Growth and Immunity through Distinct Modes of Action. <i>Molecular Plant</i> , 2020, 13, 231-245.	3.9	90
2834	Identification of miRNAs and their target genes in <i>Ganoderma lucidum</i> by high-throughput sequencing and degradome analysis. <i>Fungal Genetics and Biology</i> , 2020, 136, 103313.	0.9	18
2835	Designing a general method for predicting the regulatory relationships between long noncoding RNAs and protein-coding genes based on multi-omics characteristics. <i>Bioinformatics</i> , 2020, 36, 2025-2032.	1.8	5

#	ARTICLE	IF	CITATIONS
2836	Integrated analysis of the miRNA-mRNA next-generation sequencing data for finding their associations in different cancer types. <i>Computational Biology and Chemistry</i> , 2020, 84, 107152.	1.1	5
2837	miR-146a-5p Plays an Oncogenic Role in NSCLC via Suppression of TRAF6. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 847.	1.8	22
2838	OpenGDC: Unifying, Modeling, Integrating Cancer Genomic Data and Clinical Metadata. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6367.	1.3	12
2839	Importance of microRNAs in Skin Oncogenesis and Their Suitability as Agents and Targets for Topical Therapy. <i>Skin Pharmacology and Physiology</i> , 2020, 33, 270-279.	1.1	11
2840	Expression differences of miR-142-5p between treatment-naïve chronic myeloid leukemia patients responding and non-responding to imatinib therapy suggest a link to oncogenic ABL2, SRI, cKIT and MCL1 signaling pathways critical for development of therapy resistance. <i>Experimental Hematology and Oncology</i> , 2020, 9, 26.	2.0	23
2841	CRISPR screening of porcine sgRNA library identifies host factors associated with Japanese encephalitis virus replication. <i>Nature Communications</i> , 2020, 11, 5178.	5.8	40
2842	Genetic variants in miRNAs differentially expressed during brain development and their relevance to psychiatric disorders susceptibility. <i>World Journal of Biological Psychiatry</i> , 2021, 22, 1-12.	1.3	7
2843	Genome-wide identification of low phosphorus responsive microRNAs in two soybean genotypes by high-throughput sequencing. <i>Functional and Integrative Genomics</i> , 2020, 20, 825-838.	1.4	18
2844	Placental microRNA expression associates with birthweight through control of adipokines: results from two independent cohorts. <i>Epigenetics</i> , 2021, 16, 770-782.	1.3	12
2845	Comprehensive Analysis of Non-coding RNA Profiles of Exosome-Like Vesicles From the Protoscoleces and Hydatid Cyst Fluid of <i>Echinococcus granulosus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 316.	1.8	33
2846	Transcriptome Characterization of Repressed Embryonic Myogenesis Due to Maternal Calorie Restriction. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 527.	1.8	2
2847	Integrative Network Analysis of Predicted miRNA-Targets Regulating Expression of Immune Response Genes in Bovine Coronavirus Infection. <i>Frontiers in Genetics</i> , 2020, 11, 584392.	1.1	8
2848	Roles of Non-Coding RNAs in Response to Nitrogen Availability in Plants. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8508.	1.8	13
2849	Multi-Omics Data Integration in Extracellular Vesicle Biology—Utopia or Future Reality?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8550.	1.8	26
2850	The expression profile and bioinformatics analysis of microRNAs in human bronchial epithelial cells treated by beryllium sulfate. <i>Journal of Applied Toxicology</i> , 2021, 41, 1275-1285.	1.4	7
2851	Self-Assembly Trigger Signal Amplification for MicroRNA Sensing in Living Cells with GSH-Cleavable Nanoprobes. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 20582-20590.	1.8	6
2852	A developmental stage specific network approach for studying dynamic transcription factor-microRNA co-regulation during craniofacial development. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	17
2853	Bovine hepatic miRNAome profiling and differential miRNA expression analyses between beef steers with divergent feed efficiency phenotypes. <i>Scientific Reports</i> , 2020, 10, 19309.	1.6	10

#	ARTICLE	IF	CITATIONS
2854	MiRNAs: A Powerful Tool in Deciphering Gynecological Malignancies. <i>Frontiers in Oncology</i> , 2020, 10, 591181.	1.3	9
2855	The role of miR-7 as a potential switch in the mouse hypothalamus-pituitary-ovary axis through regulation of gonadotropins. <i>Molecular and Cellular Endocrinology</i> , 2020, 518, 110969.	1.6	10
2856	Distinct miRNA Profile of Cellular and Extracellular Vesicles Released from Chicken Tracheal Cells Following Avian Influenza Virus Infection. <i>Vaccines</i> , 2020, 8, 438.	2.1	4
2857	MISSIM: An Incremental Learning-Based Model With Applications to the Prediction of miRNA-Disease Association. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 1733-1742.	1.9	10
2858	An in-silico approach to study the possible interactions of miRNA between human and SARS-CoV2. <i>Computational Biology and Chemistry</i> , 2020, 88, 107352.	1.1	25
2859	Role of PIWI-interacting RNAs on cell survival: Proliferation, apoptosis, and cycle. <i>IUBMB Life</i> , 2020, 72, 1870-1878.	1.5	15
2860	New Insights on the Mobility of Viral and Host Non-Coding RNAs Reveal Extracellular Vesicles as Intriguing Candidate Antiviral Targets. <i>Pathogens</i> , 2020, 9, 876.	1.2	3
2861	Non-coding RNA Expression Patterns of Two Different Teleost Gonad Maturation Stages. <i>Marine Biotechnology</i> , 2020, 22, 683-695.	1.1	11
2862	An Integrative Omics Approach Reveals Involvement of BRCA1 in Hepatic Metastatic Progression of Colorectal Cancer. <i>Cancers</i> , 2020, 12, 2380.	1.7	7
2863	miR-205: A Potential Biomedicine for Cancer Therapy. <i>Cells</i> , 2020, 9, 1957.	1.8	31
2864	Identifying metastasis-initiating miRNA-target regulations of colorectal cancer from expressional changes in primary tumors. <i>Scientific Reports</i> , 2020, 10, 14919.	1.6	7
2865	Goat Immunity to Helminthes. , 2020, , .		1
2866	miRNA Profiling of Circulating Small Extracellular Vesicles From Subarachnoid Hemorrhage Rats Using Next-Generation Sequencing. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 242.	1.8	5
2867	Identification of microRNA-451a as a Novel Circulating Biomarker for Colorectal Cancer Diagnosis. <i>BioMed Research International</i> , 2020, 2020, 1-18.	0.9	8
2868	Non-Coding RNA Databases in Cardiovascular Research. <i>Non-coding RNA</i> , 2020, 6, 35.	1.3	10
2869	Identification of Biomarkers to Construct a Competing Endogenous RNA Network and Establishment of a Genomic-Clinicopathologic Nomogram to Predict Survival for Children with Rhabdoid Tumors of the Kidney. <i>BioMed Research International</i> , 2020, 2020, 1-27.	0.9	1
2870	Inoculation of maize seeds with <i>Pseudomonas putida</i> leads to enhanced seedling growth in combination with modified regulation of miRNAs and antioxidant enzymes. <i>Symbiosis</i> , 2020, 81, 271-285.	1.2	5
2871	RNAi Mediated Hypoxia Stress Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9394.	1.8	7

#	ARTICLE	IF	CITATIONS
2872	Detecting <i>Cynoglossus semilaevis</i> infected with <i>Vibrio harveyi</i> using micro RNAs from mucous exosomes. <i>Molecular Immunology</i> , 2020, 128, 268-276.	1.0	19
2874	Predictive role of single nucleotide polymorphism (rs11614913) in the development of breast cancer in Pakistani population. <i>Personalized Medicine</i> , 2020, 17, 213-227.	0.8	8
2875	Small RNA Sequencing Analysis of miRNA Expression Reveals Novel Insights into Root Formation under Root Restriction Cultivation in Grapevine (<i>Vitis vinifera</i> L.). <i>International Journal of Molecular Sciences</i> , 2020, 21, 3513.	1.8	7
2876	Clues of in vivo nuclear gene regulation by mitochondrial short non-coding RNAs. <i>Scientific Reports</i> , 2020, 10, 8219.	1.6	14
2877	Genome-wide integration of microRNA and transcriptomic profiles of differentiating human alveolar epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L173-L184.	1.3	8
2878	Genome-wide identification and characterization of microRNAs by small RNA sequencing for low nitrogen stress in potato. <i>PLoS ONE</i> , 2020, 15, e0233076.	1.1	36
2879	Prediction of miRNA targets by learning from interaction sequences. <i>PLoS ONE</i> , 2020, 15, e0232578.	1.1	14
2880	Transcriptomics reveal high regulatory diversity of drought tolerance strategies in a biennial oil crop. <i>Plant Science</i> , 2020, 297, 110515.	1.7	11
2881	Functional Landscape of Dysregulated MicroRNAs in Oral Squamous Cell Carcinoma: Clinical Implications. <i>Frontiers in Oncology</i> , 2020, 10, 619.	1.3	27
2882	PathWalks: identifying pathway communities using a disease-related map of integrated information. <i>Bioinformatics</i> , 2020, 36, 4070-4079.	1.8	7
2883	NATpare: a pipeline for high-throughput prediction and functional analysis of nat-siRNAs. <i>Nucleic Acids Research</i> , 2020, 48, 6481-6490.	6.5	9
2884	MicroRNA Regulation of the Small Rho GTPase Regulators' Complexities and Opportunities in Targeting Cancer Metastasis. <i>Cancers</i> , 2020, 12, 1092.	1.7	16
2885	Expression profiling of microRNAs and isomiRs in conventional central chondrosarcoma. <i>Cell Death Discovery</i> , 2020, 6, 46.	2.0	18
2886	Identification of Molecular Mechanisms Related to Pig Fatness at the Transcriptome and miRNAome Levels. <i>Genes</i> , 2020, 11, 600.	1.0	9
2887	Developmental alterations in the transcriptome of three distinct rodent models of schizophrenia. <i>PLoS ONE</i> , 2020, 15, e0232200.	1.1	9
2888	Physiological characteristics and RNA sequencing in two root zones with contrasting nitrate assimilation of <i>Populus alba</i> canescens. <i>Tree Physiology</i> , 2020, 40, 1392-1404.	1.4	9
2889	The Role of Gene Expression Changes in ceRNA Network Underlying Ossification of Ligamentum Flavum Development. <i>DNA and Cell Biology</i> , 2020, 39, 1162-1171.	0.9	5
2890	Profiling cytotoxic microRNAs in pediatric and adult glioblastoma cells by high-content screening, identification, and validation of miR-1300. <i>Oncogene</i> , 2020, 39, 5292-5306.	2.6	5

#	ARTICLE	IF	CITATIONS
2891	Extracellular Vesicle-Contained microRNA of <i>C. elegans</i> as a Tool to Decipher the Molecular Basis of Nematode Parasitism. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 217.	1.8	14
2892	Genome-Wide microRNA Profiling Using Oligonucleotide Microarray Reveals Regulatory Networks of microRNAs in <i>Nicotiana benthamiana</i> During Beet Necrotic Yellow Vein Virus Infection. <i>Viruses</i> , 2020, 12, 310.	1.5	18
2893	Model-Based Integration Analysis Revealed Presence of Novel Prognostic miRNA Targets and Important Cancer Driver Genes in Triple-Negative Breast Cancers. <i>Cancers</i> , 2020, 12, 632.	1.7	6
2894	One-class support vector classifiers: A survey. <i>Knowledge-Based Systems</i> , 2020, 196, 105754.	4.0	65
2895	Introduction to plant small RNAs. , 2020, , 3-35.		1
2896	The Role of MicroRNAs in Muscle Tissue Development in Beef Cattle. <i>Genes</i> , 2020, 11, 295.	1.0	34
2897	Small RNAs With a Big Impact on Horticultural Traits. <i>Critical Reviews in Plant Sciences</i> , 2020, 39, 30-43.	2.7	19
2898	Comparative profiling of exosomal miRNAs in human adult peripheral and umbilical cord blood plasma by deep sequencing. <i>Epigenomics</i> , 2020, 12, 825-842.	1.0	3
2899	Role of non-coding RNA networks in leukemia progression, metastasis and drug resistance. <i>Molecular Cancer</i> , 2020, 19, 57.	7.9	68
2900	Dynamic changes in the expression pattern of miRNAs and associated target genes during coconut somatic embryogenesis. <i>Planta</i> , 2020, 251, 79.	1.6	21
2901	Identification of Blood Circular RNAs as Potential Biomarkers for Acute Ischemic Stroke. <i>Frontiers in Neuroscience</i> , 2020, 14, 81.	1.4	34
2902	Genomic Identification of RNA Editing Through Integrating Omics Datasets and the Clinical Relevance in Hepatocellular Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 37.	1.3	8
2903	Expression pattern and regulatory network of gibel carp (<i>Carassius gibelio</i>) miRNAs and their putative target genes in response to CyHV-2 infection. <i>Aquaculture</i> , 2020, 523, 735178.	1.7	3
2904	Repression of tick microRNA-133 induces organic anion transporting polypeptide expression critical for <i>Anaplasma phagocytophilum</i> survival in the vector and transmission to the vertebrate host. <i>PLoS Genetics</i> , 2020, 16, e1008856.	1.5	18
2905	Integrative Bioinformatic Analyses of Global Transcriptome Data Decipher Novel Molecular Insights into Cardiac Anti-Fibrotic Therapies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4727.	1.8	17
2906	Machine Learning-Based Ensemble Recursive Feature Selection of Circulating miRNAs for Cancer Tumor Classification. <i>Cancers</i> , 2020, 12, 1785.	1.7	38
2907	miRNA dysregulation in ischaemic stroke: Focus on diagnosis, prognosis, therapeutic and protective biomarkers. <i>European Journal of Neuroscience</i> , 2020, 52, 3610-3627.	1.2	29
2908	miRNA repertoire and host immune factor regulation upon avian coronavirus infection in eggs. <i>Archives of Virology</i> , 2020, 165, 835-843.	0.9	18

#	ARTICLE	IF	CITATIONS
2909	RATEmiRs: the rat atlas of tissue-specific and enriched miRNAs for discerning baseline expression exclusivity of candidate biomarkers. <i>RNA Biology</i> , 2020, 17, 630-636.	1.5	5
2910	Maternal Recognition of Pregnancy in the Horse: Are MicroRNAs the Secret Messengers?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 419.	1.8	10
2911	Transcriptome analysis reveals the roles of stem nodes in cadmium transport to rice grain. <i>BMC Genomics</i> , 2020, 21, 127.	1.2	23
2912	Combining feature selection and shape analysis uncovers precise rules for miRNA regulation in Huntington's disease mice. <i>BMC Bioinformatics</i> , 2020, 21, 75.	1.2	6
2913	The conserved microRNA miR-34 regulates synaptogenesis via coordination of distinct mechanisms in presynaptic and postsynaptic cells. <i>Nature Communications</i> , 2020, 11, 1092.	5.8	24
2914	Identification of microRNAs in developing wheat grain that are potentially involved in regulating grain characteristics and the response to nitrogen levels. <i>BMC Plant Biology</i> , 2020, 20, 87.	1.6	35
2915	Efecto de la alteraci3n de los niveles de expresi3n de microARN neurog3nicos y su implicaci3n en la agresividad de glioblastomas localizados en la regi3n paraventricular. <i>Neurología</i> , 2022, 37, 781-793.	0.3	1
2916	Plasma Exosome-derived MicroRNAs as Novel Biomarkers of Traumatic Brain Injury in Rats. <i>International Journal of Medical Sciences</i> , 2020, 17, 437-448.	1.1	24
2917	Comparison of Proangiogenic Effects of Adipose-Derived Stem Cells and Foreskin Fibroblast Exosomes on Artificial Dermis Prefabricated Flaps. <i>Stem Cells International</i> , 2020, 2020, 1-14.	1.2	21
2918	Deep neural networks for human microRNA precursor detection. <i>BMC Bioinformatics</i> , 2020, 21, 17.	1.2	18
2919	Small RNA Biosensor Design Strategy To Mitigate Off-Analyte Response. <i>ACS Sensors</i> , 2020, 5, 377-384.	4.0	0
2920	Circulating miR-141 and miR-375 are associated with treatment outcome in metastatic castration resistant prostate cancer. <i>Scientific Reports</i> , 2020, 10, 227.	1.6	42
2921	The Asthma-associated PER1-like domain-containing protein 1 (PERLD1) Haplotype Influences Soluble Glycosylphosphatidylinositol Anchor Protein (sGPI-AP) Levels in Serum and Immune Cell Proliferation. <i>Scientific Reports</i> , 2020, 10, 715.	1.6	3
2922	Small RNA Bidirectional Crosstalk During the Interaction Between <i>Wheat</i> and <i>Zymoseptoria tritici</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1669.	1.7	23
2923	Regulatory SNP rs5743417 impairs constitutive expression of human Î²-defensin 1 and has high frequency in Africans and Afro-Americans. <i>International Journal of Immunogenetics</i> , 2020, 47, 332-341.	0.8	5
2924	miRNAs as Influencers of Cell-Cell Communication in Tumor Microenvironment. <i>Cells</i> , 2020, 9, 220.	1.8	53
2925	miR-873-3p targets HDAC4 to stimulate matrix metalloproteinase-13 expression upon parathyroid hormone exposure in rat osteoblasts. <i>Journal of Cellular Physiology</i> , 2020, 235, 7996-8009.	2.0	21
2926	Intragenic MicroRNAs Autoregulate Their Host Genes in Both Direct and Indirect Ways: A Cross-Species Analysis. <i>Cells</i> , 2020, 9, 232.	1.8	15

#	ARTICLE	IF	CITATIONS
2927	The Fundamentals of miRNA Biology: Structure, Biogenesis, and Regulatory Functions. Russian Journal of Bioorganic Chemistry, 2020, 46, 1-13.	0.3	9
2928	Role of microRNAs in neurodegeneration induced by environmental neurotoxicants and aging. Ageing Research Reviews, 2020, 60, 101068.	5.0	25
2929	The Encystment-Related MicroRNAs and Its Regulation Molecular Mechanism in Pseudourostyla cristata Revealed by High Throughput Small RNA Sequencing. International Journal of Molecular Sciences, 2020, 21, 2309.	1.8	5
2930	miR-129-5p: A key factor and therapeutic target in amyotrophic lateral sclerosis. Progress in Neurobiology, 2020, 190, 101803.	2.8	31
2931	PathME: pathway based multi-modal sparse autoencoders for clustering of patient-level multi-omics data. BMC Bioinformatics, 2020, 21, 146.	1.2	38
2932	Identification and application of piwi-interacting RNAs from seminal plasma exosomes in Cynoglossus semilaevis. BMC Genomics, 2020, 21, 302.	1.2	17
2933	Cell-mediated and serology-based tests for Mycobacterium ulcerans disease: A systematic review and meta-analysis. PLoS Neglected Tropical Diseases, 2020, 14, e0008172.	1.3	2
2934	miR-30a-5p Inhibits Epithelial-to-Mesenchymal Transition by Targeting CDK6 in Nasal Polyps. American Journal of Rhinology and Allergy, 2021, 35, 152-163.	1.0	7
2935	High miR-133a levels in the circulation anticipates presentation of clinical events in familial hypercholesterolaemia patients. Cardiovascular Research, 2021, 117, 109-122.	1.8	32
2936	Cooperative driver pathway discovery via fusion of multi-relational data of genes, miRNAs and pathways. Briefings in Bioinformatics, 2021, 22, 1984-1999.	3.2	8
2937	Exosomes from bovine endometrial epithelial cells ensure trophoblast cell development by miR-218 targeting secreted frizzled related protein 2. Journal of Cellular Physiology, 2021, 236, 4565-4579.	2.0	13
2938	miRNA expression and interaction with the 3'UTR of FMR1 in FRAXopathy pathogenesis. Non-coding RNA Research, 2021, 6, 1-7.	2.4	5
2939	Amplification-free electrochemiluminescence molecular beacon-based microRNA sensing using a mobile phone for detection. Sensors and Actuators B: Chemical, 2021, 330, 129261.	4.0	29
2940	Expression of miRNAs and their target genes in roots of 'Sanhu' tangerine (Citrus reticulata blanco) Tj ETQq11 0.784314 rgBT Protection, 2021, 128, 407-420.	1.6	2
2941	RNAi-based antiviral immunity of shrimp. Developmental and Comparative Immunology, 2021, 115, 103907.	1.0	13
2942	A Guide to RNAseq Data Analysis Using Bioinformatics Approaches. , 2021, , 243-260.		0
2943	Hypoxia-induced Nur77 activates PI3K/Akt signaling via suppression of Dicer/let-7i-5p to induce epithelial-to-mesenchymal transition. Theranostics, 2021, 11, 3376-3391.	4.6	17
2944	Circular RNA Circ_0005564 promotes osteogenic differentiation of bone marrow mesenchymal cells in osteoporosis. Bioengineered, 2021, 12, 4911-4923.	1.4	19

#	ARTICLE	IF	CITATIONS
2945	Regulating COX10-AS1 / miR-142-5p / PAICS axis inhibits the proliferation of non-small cell lung cancer. <i>Bioengineered</i> , 2021, 12, 4643-4653.	1.4	9
2946	Transcriptomic Profiling of Equine and Viral Genes in Peripheral Blood Mononuclear Cells in Horses during Equine Herpesvirus 1 Infection. <i>Pathogens</i> , 2021, 10, 43.	1.2	6
2947	Identification and function prediction of novel microRNAs in adenosine monophosphate activated protein kinase-activated Sertoli cells of immature boar. <i>Animal Science Journal</i> , 2021, 92, e13622.	0.6	0
2948	Noncoding RNAs in Lingzhi Mushroom. <i>Compendium of Plant Genomes</i> , 2021, , 131-146.	0.3	0
2949	The influence of lifestyle factors on miRNA expression and signal pathways: a review. <i>Epigenomics</i> , 2021, 13, 145-164.	1.0	20
2950	Databases and bioinformatics tools for genome engineering in plants using RNA interference. , 2021, , 773-786.		1
2951	In Silico Identification and Functional Characterization of Conserved miRNAs in the Genome of <i>Cryptosporidium parvum</i> . <i>Bioinformatics and Biology Insights</i> , 2021, 15, 117793222110276.	1.0	4
2952	Role of Bioinformatics in MicroRNA Analysis. , 2021, , 365-373.		3
2953	Techniques for Characterizing Cytomegalovirus-Encoded miRNAs. <i>Methods in Molecular Biology</i> , 2021, 2244, 301-342.	0.4	1
2954	Current Status of MicroRNAs that Target the Wnt Signaling Pathway in Regulation of Osteogenesis and Bone Metabolism: A Review. <i>Medical Science Monitor</i> , 2021, 27, e929510.	0.5	4
2955	Association of MicroRNA Biogenesis Genes Polymorphisms with Risk of Large Artery Atherosclerosis Stroke. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 1801-1807.	1.7	4
2956	The Multiomics Analyses of Fecal Matrix and Its Significance to Coeliac Disease Gut Profiling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1965.	1.8	6
2957	The role of miR-29 family in disease. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 696-715.	1.2	46
2959	Identification of Host Factors Associated with the Development of Equine Herpesvirus Myeloencephalopathy by Transcriptomic Analysis of Peripheral Blood Mononuclear Cells from Horses. <i>Viruses</i> , 2021, 13, 356.	1.5	10
2960	MicroRNA Mimics or Inhibitors as Antiviral Therapeutic Approaches Against COVID-19. <i>Drugs</i> , 2021, 81, 517-531.	4.9	59
2961	Negative Regulation of ULK1 by microRNA-106a in Autophagy Induced by a Triple Drug Combination in Colorectal Cancer Cells In Vitro. <i>Genes</i> , 2021, 12, 245.	1.0	15
2962	Identification of SNPs Associated with Somatic Cell Score in Candidate Genes in Italian Holstein Friesian Bulls. <i>Animals</i> , 2021, 11, 366.	1.0	15
2963	Identification of Regulatory circRNAs Involved in the Pathogenesis of Acute Myocardial Infarction. <i>Frontiers in Genetics</i> , 2020, 11, 626492.	1.1	17

#	ARTICLE	IF	CITATIONS
2964	ReCGBM: a gradient boosting-based method for predicting human dicer cleavage sites. <i>BMC Bioinformatics</i> , 2021, 22, 63.	1.2	2
2966	Genome-wide identification of microRNAs involved in the somatic embryogenesis of <i>Eucalyptus</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	5
2967	Small Non-coding RNAs Are Dysregulated in Huntingtonâ€™s Disease Transgenic Mice Independently of the Therapeutic Effects of an Environmental Intervention. <i>Molecular Neurobiology</i> , 2021, 58, 3308-3318.	1.9	11
2968	Dual Effect of Taxifolin on ZEB2 Cancer Signaling in HepG2 Cells. <i>Molecules</i> , 2021, 26, 1476.	1.7	9
2969	Recent trends in application of nanomaterials for the development of electrochemical microRNA biosensors. <i>Mikrochimica Acta</i> , 2021, 188, 128.	2.5	22
2970	Novel approaches on identification of conserved miRNAs for broad-spectrum Potyvirus control measures. <i>Molecular Biology Reports</i> , 2021, 48, 2377-2388.	1.0	1
2971	Integrated Genome-Wide Analysis of MicroRNA Expression Quantitative Trait Loci in Pig Longissimus Dorsi Muscle. <i>Frontiers in Genetics</i> , 2021, 12, 644091.	1.1	4
2972	Distinct miRNA Signatures and Networks Discern Fetal from Adult Erythroid Differentiation and Primary from Immortalized Erythroid Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3626.	1.8	12
2973	MicroRNA expression profile in bovine mammary gland parenchyma infected by coagulase-positive or coagulase-negative staphylococci. <i>Veterinary Research</i> , 2021, 52, 41.	1.1	10
2974	Longitudinal profiling of circulating miRNA during cardiac allograft rejection: a proof-of-concept study. <i>ESC Heart Failure</i> , 2021, 8, 1840-1849.	1.4	8
2975	Computationally predicted SARS-COV-2 encoded microRNAs target NFKB, JAK/STAT and TGFB signaling pathways. <i>Gene Reports</i> , 2021, 22, 101012.	0.4	58
2976	The Causes and Consequences of miR-503 Dysregulation and Its Impact on Cardiovascular Disease and Cancer. <i>Frontiers in Pharmacology</i> , 2021, 12, 629611.	1.6	11
2977	Synonymous mutation in <i>Growth Regulating Factor 15</i> of miR396a target sites enhances photosynthetic efficiency and heat tolerance in poplar. <i>Journal of Experimental Botany</i> , 2021, 72, 4502-4519.	2.4	18
2978	MicroRNA annotation in plants: current status and challenges. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	10
2979	Expression profiling of <i>Echinococcus multilocularis</i> miRNAs throughout metacestode development in vitro. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009297.	1.3	7
2980	Integrative Genomic Analysis of Gemcitabine Resistance in Pancreatic Cancer by Patient-derived Xenograft Models. <i>Clinical Cancer Research</i> , 2021, 27, 3383-3396.	3.2	36
2981	A bioinformatics approach to microRNA-sequencing analysis. <i>Osteoarthritis and Cartilage Open</i> , 2021, 3, 100131.	0.9	34
2983	Interplay between cyclooxygenaseâ€² and microRNAs in cancer (Review). <i>Molecular Medicine Reports</i> , 2021, 23, .	1.1	10

#	ARTICLE	IF	CITATIONS
2984	MicroRNA-1 Expression and Function in <i>Hyalomma Anatolicum anaticum</i> (Acari: Ixodidae) Ticks. <i>Frontiers in Physiology</i> , 2021, 12, 596289.	1.3	5
2985	Comparative Small RNA Profiling and Functional Exploration on Wheat With High- and Low-Cadmium Accumulation. <i>Frontiers in Genetics</i> , 2021, 12, 635599.	1.1	6
2986	miR-190 promotes malignant transformation and progression of human urothelial cells through CDKN1B/p27 inhibition. <i>Cancer Cell International</i> , 2021, 21, 241.	1.8	4
2987	Identification of conserved and novel mature miRNAs in selected crops as future targets for metabolic engineering. <i>Asian Journal of Agriculture and Biology</i> , 2021, 2021, .	1.4	3
2988	DF-MDA: An effective diffusion-based computational model for predicting miRNA-disease association. <i>Molecular Therapy</i> , 2021, 29, 1501-1511.	3.7	12
2989	Whole transcriptome sequencing and integrated network analysis elucidates the effects of 3,8-Di-O-methyllellagic acid 2-O-glucoside derived from <i>Sanguisorba officinalis</i> L., a novel differentiation inducer on erythroleukemia cells. <i>Pharmacological Research</i> , 2021, 166, 105491.	3.1	7
2990	Extracellular Vesicles from Human Adipose-Derived Mesenchymal Stem Cells: A Review of Common Cargos. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 854-901.	1.7	24
2991	Plasma miRNA Biomarkers in Limited Volume Samples for Detection of Early-stage Pancreatic Cancer. <i>Cancer Prevention Research</i> , 2021, 14, 729-740.	0.7	16
2992	Evolution after Whole-Genome Duplication: Teleost MicroRNAs. <i>Molecular Biology and Evolution</i> , 2021, 38, 3308-3331.	3.5	31
2993	The program of renal fibrogenesis is controlled by microRNAs regulating oxidative metabolism. <i>Redox Biology</i> , 2021, 40, 101851.	3.9	17
2994	Elucidation of the Host Bronchial Lymph Node miRNA Transcriptome Response to Bovine Respiratory Syncytial Virus. <i>Frontiers in Genetics</i> , 2021, 12, 633125.	1.1	5
2995	The Chinese mitten crab genome provides insights into adaptive plasticity and developmental regulation. <i>Nature Communications</i> , 2021, 12, 2395.	5.8	38
2996	Single nucleotide polymorphisms affect miRNA target prediction in bovine. <i>PLoS ONE</i> , 2021, 16, e0249406.	1.1	5
2997	Profiling of miRNAs in Bhut Jolokia (<i>Capsicum chinense</i>) and Kon Jolokia (<i>C. frutescens</i>) of Northeast India. <i>Scientia Horticulturae</i> , 2021, 281, 109952.	1.7	4
2998	Conserved long-range base pairings are associated with pre-mRNA processing of human genes. <i>Nature Communications</i> , 2021, 12, 2300.	5.8	27
2999	Non-Coding RNAs Regulate Placental Trophoblast Function and Participate in Recurrent Abortion. <i>Frontiers in Pharmacology</i> , 2021, 12, 646521.	1.6	16
3000	Genetic Determinants Highlight the Existence of Shared Etiopathogenetic Mechanisms Characterizing Age-Related Macular Degeneration and Neurodegenerative Disorders. <i>Frontiers in Neurology</i> , 2021, 12, 626066.	1.1	10
3001	Application of the targeted sequencing approach reveals the single nucleotide polymorphism (SNP) repertoire in microRNA genes in the pig genome. <i>Scientific Reports</i> , 2021, 11, 9848.	1.6	5

#	ARTICLE	IF	CITATIONS
3002	Simultaneous learning of individual microRNA-gene interactions and regulatory comodules. <i>BMC Bioinformatics</i> , 2021, 22, 237.	1.2	1
3003	Global miRNA dosage control of embryonic germ layer specification. <i>Nature</i> , 2021, 593, 602-606.	13.7	39
3005	Expression Characteristics of microRNA in Pig Umbilical Venous Blood and Umbilical Arterial Blood. <i>Animals</i> , 2021, 11, 1563.	1.0	5
3007	In silico analysis suggests the RNAi-enhancing antibiotic enoxacin as a potential inhibitor of SARS-CoV-2 infection. <i>Scientific Reports</i> , 2021, 11, 10271.	1.6	11
3008	Secretory microRNA Profiles of Third- and Fourth-Stage <i>Dirofilaria immitis</i> Larvae with Different Macrocyclic Lactone Susceptibility: In Search of Biomarkers for Early Detection of Infection. <i>Pathogens</i> , 2021, 10, 786.	1.2	4
3009	Barriers in Systemic Delivery and Preclinical Testing of Synthetic microRNAs in Animal Models: an Experimental Study on miR-215-5p Mimic. <i>Physiological Research</i> , 2021, 70, 481-487.	0.4	2
3010	Immune System and Neuroinflammation in Idiopathic Parkinson's Disease: Association Analysis of Genetic Variants and miRNAs Interactions. <i>Frontiers in Genetics</i> , 2021, 12, 651971.	1.1	8
3011	Placental extracellular vesicles-associated microRNA-519c mediates endotoxin adaptation in pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 225, 681.e1-681.e20.	0.7	15
3012	MicroRNA Omics Analysis of <i>Camellia sinesis</i> Pollen Tubes in Response to Low-Temperature and Nitric Oxide. <i>Biomolecules</i> , 2021, 11, 930.	1.8	6
3013	Role of microRNAs in mediating biotic and abiotic stress in plants. <i>Plant Gene</i> , 2021, 26, 100277.	1.4	14
3014	miRNA regulation of G protein-coupled receptor mediated angiogenic pathways in cancer. <i>Nucleus (India)</i> , 0, , 1.	0.9	4
3015	An updated overview and classification of bioinformatics tools for MicroRNA analysis, which one to choose?. <i>Computers in Biology and Medicine</i> , 2021, 134, 104544.	3.9	13
3016	Profiling of Primary and Mature miRNA Expression in Atherosclerosis-Associated Cell Types. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2149-2167.	1.1	17
3017	Identification of microRNAs and their target genes related to needle discoloration of evergreen tree Chinese cedar (<i>Cryptomeria fortunei</i>) in cold winters. <i>Planta</i> , 2021, 254, 31.	1.6	10
3018	A structure-specific small molecule inhibits a miRNA-200 family member precursor and reverses a type 2 diabetes phenotype. <i>Cell Chemical Biology</i> , 2022, 29, 300-311.e10.	2.5	13
3019	In Silico Target Prediction of Overexpressed microRNAs from LPS-Challenged Zebrafish (<i>Danio rerio</i>) Treated with the Novel Anti-Inflammatory Peptide TnP. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7117.	1.8	8
3020	Construction and comprehensive analysis of a ceRNA network to reveal potential prognostic biomarkers for lung adenocarcinoma. <i>BMC Cancer</i> , 2021, 21, 849.	1.1	13
3021	MicroRNAs in Woody Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 686831.	1.7	11

#	ARTICLE	IF	CITATIONS
3022	Role of MicroRNA in Inflammatory Bowel Disease: Clinical Evidence and the Development of Preclinical Animal Models. <i>Cells</i> , 2021, 10, 2204.	1.8	18
3023	Epigenetic Regulation Mechanisms in Viral Infections: A Special Focus on COVID-19. , 0, , .		0
3025	Physiological characteristics and miRNA sequencing of two root zones with contrasting ammonium assimilation patterns in <i>Populus</i> . <i>Genes and Genomics</i> , 2021, , 1.	0.5	3
3026	MicroRNA Targeting. <i>Methods in Molecular Biology</i> , 2022, 2257, 105-130.	0.4	14
3028	<scp>miRNA</scp>â€³4 and <scp>miRNA</scp>â€²10 target hexamerin genes enhancing their differential expression during early brain development of honeybee (<scp><i>Apis mellifera</i></scp>) castes. <i>Insect Molecular Biology</i> , 2021, 30, 594-604.	1.0	13
3029	Liquid Biopsy for Cancer Cachexia: Focus on Muscle-Derived microRNAs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9007.	1.8	5
3030	Analysis of Nanotoxicity with Integrated Omics and Mechanobiology. <i>Nanomaterials</i> , 2021, 11, 2385.	1.9	24
3031	Detection of an anti-angina therapeutic module in the effective population treated by a multi-target drug Danhong injection: a randomized trial. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 329.	7.1	24
3032	Identifying potential human and medicinal plant microRNAs against SARS-CoV-2 3â€²UTR region: A computational genomics assessment. <i>Computers in Biology and Medicine</i> , 2021, 136, 104662.	3.9	13
3033	Sex bias miRNAs in <i>Cynoglossus semilaevis</i> could play a role in transgenerational inheritance. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 39, 100853.	0.4	5
3035	Molecular underpinnings of the early brain developmental response to differential feeding in the honey bee <i>Apis mellifera</i> . <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2021, 1864, 194732.	0.9	5
3036	Computational approaches to decipher miRNA-target association in Mango (<i>Mangifera indica</i> L.). <i>Plant Gene</i> , 2021, 27, 100292.	1.4	2
3037	Comparative Mucous miRomics in <i>Cynoglossus semilaevis</i> Related to <i>Vibrio harveyi</i> Caused Infection. <i>Marine Biotechnology</i> , 2021, 23, 766-776.	1.1	10
3038	A comprehensive review of online resources for microRNAâ€“diseases associations: the state of the art. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	7
3039	MicroRNAs and Their Exploration for Developing Heavy Metal-tolerant Plants. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2579-2595.	2.8	6
3040	Whole Transcriptome Analysis Revealed a Stress Response to Deep Underground Environment Conditions in Chinese Hamster V79 Lung Fibroblast Cells. <i>Frontiers in Genetics</i> , 2021, 12, 698046.	1.1	5
3041	Plant miRNAs: Biogenesis and its functional validation to combat drought stress with special focus on maize. <i>Plant Gene</i> , 2021, 27, 100294.	1.4	8
3042	Altered expression of microRNAs in the rat diaphragm in a model of ventilator-induced diaphragm dysfunction after controlled mechanical ventilation. <i>BMC Genomics</i> , 2021, 22, 671.	1.2	1

#	ARTICLE	IF	CITATIONS
3043	Diabetes Microvascular Complications: An Overview of Epigenetic Modifications. , 0, , .		0
3044	Blood small extracellular vesicles derived miRNAs to differentiate pancreatic ductal adenocarcinoma from chronic pancreatitis. <i>Clinical and Translational Medicine</i> , 2021, 11, e520.	1.7	10
3045	ZBED6 regulates Igf2 expression partially through its regulation of miR483 expression. <i>Scientific Reports</i> , 2021, 11, 19484.	1.6	5
3046	Differentially Regulated miRNAs and Their Related Molecular Pathways in Lichen Sclerosus. <i>Cells</i> , 2021, 10, 2291.	1.8	4
3047	Comprehensive transcriptome and methylome analysis delineates the biological basis of hair follicle development and wool-related traits in Merino sheep. <i>BMC Biology</i> , 2021, 19, 197.	1.7	31
3048	Pharmacological basis and new insights of taxifolin: A comprehensive review. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112004.	2.5	81
3049	MicroRNA expression and analysis of immune-related putative target genes in ISKNV-infected spleen of mandarin fish (<i>Siniperca chuatsi</i>). <i>Aquaculture</i> , 2022, 547, 737450.	1.7	4
3050	Alteration of Pituitary Tumor Transforming Gene 1 by MicroRNA-186 and 655 Regulates Invasion Ability of Human Oral Squamous Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1021.	1.8	3
3051	MicroRNAs for Virus Pathogenicity and Host Responses, Identified in SARS-CoV-2 Genomes, May Play Roles in Viral-Host Co-Evolution in Putative Zoonotic Host Species. <i>Viruses</i> , 2021, 13, 117.	1.5	6
3052	Genome-wide analysis of primary microRNA expression using H3K36me3 ChIP-seq data. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1944-1955.	1.9	3
3053	Crosstalk between miRNA and plant abiotic stresses. , 2021, , 137-153.		0
3054	Comprehensive annotation and characterization of planarian tRNA and tRNA-derived fragments (tRFs). <i>Rna</i> , 2021, 27, 477-495.	1.6	11
3055	A risk progression breast epithelial 3D culture model reveals Cx43/hsa_circ_0077755/miR-182 as a biomarker axis for heightened risk of breast cancer initiation. <i>Scientific Reports</i> , 2021, 11, 2626.	1.6	4
3056	Viral miRNAs confer survival in host cells by targeting apoptosis related host genes. <i>Informatics in Medicine Unlocked</i> , 2021, 22, 100501.	1.9	5
3057	Quantitation of MicroRNAs by Real-Time RT-qPCR. <i>Methods in Molecular Biology</i> , 2011, , 113-134.	0.4	1
3058	MicroRNA Clusters. , 2013, , 1310-1314.		8
3059	Sequencing Small RNA: Introduction and Data Analysis Fundamentals. <i>Methods in Molecular Biology</i> , 2014, 1182, 93-103.	0.4	5
3060	Identification and Validation of miRNA Target Sites Within Nontraditional miRNA Targets. <i>Methods in Molecular Biology</i> , 2015, 1206, 53-67.	0.4	3

#	ARTICLE	IF	CITATIONS
3061	miRNAs Expression Profile in Zebrafish Developing Vessels. <i>Methods in Molecular Biology</i> , 2015, 1214, 129-150.	0.4	9
3062	Manual Annotation of Protein Interactions. <i>Methods in Molecular Biology</i> , 2009, 563, 75-95.	0.4	14
3063	Current Knowledge of MicroRNAs and Noncoding RNAs in Virus-Infected Cells. <i>Methods in Molecular Biology</i> , 2010, 623, 35-65.	0.4	21
3064	An Array Platform for Identification of Stress-Responsive MicroRNAs in Plants. <i>Methods in Molecular Biology</i> , 2010, 639, 253-269.	0.4	18
3065	Monitoring MicroRNA Expression During Embryonic Stem-Cell Differentiation Using Quantitative Real-Time PCR (qRT-PCR). <i>Methods in Molecular Biology</i> , 2010, 650, 213-224.	0.4	4
3066	MicroRNA Profiling Using Fluorescence-Labeled Beads: Data Acquisition and Processing. <i>Methods in Molecular Biology</i> , 2011, 676, 253-268.	0.4	6
3067	Detection of Human Dicer and Argonaute 2 Catalytic Activity. <i>Methods in Molecular Biology</i> , 2011, 725, 121-141.	0.4	14
3068	Cloning Small RNAs. <i>Neuromethods</i> , 2011, , 77-90.	0.2	1
3069	MicroRNA Expression Analysis: Techniques Suitable for Studies of Intercellular and Extracellular MicroRNAs. <i>Methods in Molecular Biology</i> , 2011, 784, 99-107.	0.4	6
3070	MicroRNA Expression Analysis Using the Affymetrix Platform. <i>Methods in Molecular Biology</i> , 2012, 822, 117-129.	0.4	7
3071	Current and Future Developments in Cancer Therapy Research: miRNAs as New Promising Targets or Tools. , 2012, , 517-546.		2
3072	Bioinformatics and Plant Stress Management. , 2019, , 47-78.		1
3073	Technologies to Address Plant microRNA Functions. <i>Concepts and Strategies in Plant Sciences</i> , 2020, , 25-43.	0.6	2
3074	The Molecular Mechanisms of Reaction Wood Induction. <i>Springer Series in Wood Science</i> , 2014, , 107-138.	0.8	8
3075	Evolution of the Long Non-coding RNAs MALAT1 and MEN1. <i>Lecture Notes in Computer Science</i> , 2010, , 1-12.	1.0	18
3076	An SVM-Based Approach to Discover MicroRNA Precursors in Plant Genomes. <i>Lecture Notes in Computer Science</i> , 2012, , 304-315.	1.0	2
3077	miRNAs in Malignant Melanoma. , 2011, , 105-136.		1
3078	Plant miRNomics: Novel Insights in Gene Expression and Regulation. , 2015, , 181-211.		7

#	ARTICLE	IF	CITATIONS
3079	MicroRNAs as Potential Engineering Targets for Improvement of CHO Cell Production Phenotypes. , 2012, , 3-11.		1
3080	Clinical Role of MicroRNAs in Different Brain Tumors. , 2011, , 185-192.		1
3081	Prioritizing Candidate Disease miRNAs by Topological Features in the miRNA-Target Dysregulated Network. , 2012, , 289-306.		3
3082	Current strategies for microRNA research. Modern Rheumatology, 2012, 22, 645-653.	0.9	9
3083	Inhibition of miR-29-3p isoforms via tough decoy suppresses osteoblast function in homeostasis but promotes intermittent parathyroid hormone-induced bone anabolism. Bone, 2021, 143, 115779.	1.4	11
3084	MicroRNA epigenetic systems and cancer. , 0, , 134-153.		1
3085	Regulatory networks of circRNAs related to transcription factors in <i>Populus euphratica</i> Oliv. heteromorphic leaves. Bioscience Reports, 2019, 39, .	1.1	8
3086	MicroRNA-92a-3p enhances functional recovery and suppresses apoptosis after spinal cord injury via targeting phosphatase and tensin homolog. Bioscience Reports, 2020, 40, .	1.1	15
3087	A genome-wide microRNA screen identifies the microRNA-183/96/182 cluster as a modulator of circadian rhythms. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	33
3088	Activation of gga-miR-155 by reticuloendotheliosis virus T strain and its contribution to transformation. Journal of General Virology, 2017, 98, 810-820.	1.3	11
3100	Identification of grapevine microRNAs and their targets using high throughput sequencing and degradome analysis. Plant Journal, 2010, 62, 960-76.	2.8	335
3101	Micro RNA <i>let-7c</i> suppresses hepatitis C virus replication by targeting Bach1 for induction of haem oxygenase-1 expression. Journal of Viral Hepatitis, 2019, 26, 655-665.	1.0	16
3102	Sequencing of Isotope-Labeled Small RNA Using Femtosecond Laser Ablation Time-of-Flight Mass Spectrometry. Applied Physics Express, 2010, 3, 047002.	1.1	4
3103	MicroRNA-384 Inhibits the Progression of Papillary Thyroid Cancer by Targeting PRKACB. BioMed Research International, 2020, 2020, 1-11.	0.9	10
3104	PmDNE: Prediction of miRNA-Disease Association Based on Network Embedding and Network Similarity Analysis. BioMed Research International, 2020, 2020, 1-9.	0.9	3
3105	Abstract 5703: Up-regulation of miR-146a contributes to the inhibition of invasion of pancreatic cancer cells. Cancer Research, 2010, 70, 5703-5703.	0.4	22
3106	A microRNA-dependent program controls p53-independent survival and chemosensitivity in human and murine squamous cell carcinoma. Journal of Clinical Investigation, 2011, 121, 809-820.	3.9	73
3107	Neev, a novel long non-coding RNA, is expressed in chaetoblasts during regeneration of <i>Eisenia fetida</i> . Journal of Experimental Biology, 2020, 223, .	0.8	2

#	ARTICLE	IF	CITATIONS
3108	The distribution of circulating microRNA and their relation to coronary disease. <i>F1000Research</i> , 2012, 1, 50.	0.8	40
3109	Clinical applications of microRNAs. <i>F1000Research</i> , 2013, 2, 136.	0.8	126
3111	Epigenetics and Systems Physiology of Nutrition: An Overview. <i>Advances in Diabetes and Metabolism</i> , 2017, 5, 6-11.	0.1	2
3112	The Discovery, Distribution, and Evolution of Viruses Associated with <i>Drosophila melanogaster</i> . <i>PLoS Biology</i> , 2015, 13, e1002210.	2.6	272
3113	An Interferon Regulated MicroRNA Provides Broad Cell-Intrinsic Antiviral Immunity through Multihit Host-Directed Targeting of the Sterol Pathway. <i>PLoS Biology</i> , 2016, 14, e1002364.	2.6	45
3114	Global Prediction of Tissue-Specific Gene Expression and Context-Dependent Gene Networks in <i>Caenorhabditis elegans</i> . <i>PLoS Computational Biology</i> , 2009, 5, e1000417.	1.5	84
3115	Single Nucleotide Polymorphisms Can Create Alternative Polyadenylation Signals and Affect Gene Expression through Loss of MicroRNA-Regulation. <i>PLoS Computational Biology</i> , 2012, 8, e1002621.	1.5	49
3116	Human Developmental Enhancers Conserved between Deuterostomes and Protostomes. <i>PLoS Genetics</i> , 2012, 8, e1002852.	1.5	55
3117	The Roles of <i>Arabidopsis</i> CDF2 in Transcriptional and Posttranscriptional Regulation of Primary MicroRNAs. <i>PLoS Genetics</i> , 2015, 11, e1005598.	1.5	46
3118	miR-190 Enhances HIF-Dependent Responses to Hypoxia in <i>Drosophila</i> by Inhibiting the Prolyl-4-hydroxylase Fatiga. <i>PLoS Genetics</i> , 2016, 12, e1006073.	1.5	25
3119	Regulation of hepatic microRNAs in response to early stage <i>Echinococcus multilocularis</i> egg infection in C57BL/6 mice. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0007640.	1.3	12
3120	MiR-433 and miR-127 Arise from Independent Overlapping Primary Transcripts Encoded by the miR-433-127 Locus. <i>PLoS ONE</i> , 2008, 3, e3574.	1.1	48
3121	Reexamining microRNA Site Accessibility in <i>Drosophila</i> : A Population Genomics Study. <i>PLoS ONE</i> , 2009, 4, e5681.	1.1	14
3122	Genome-Wide Transcriptional Profiling Reveals MicroRNA-Correlated Genes and Biological Processes in Human Lymphoblastoid Cell Lines. <i>PLoS ONE</i> , 2009, 4, e5878.	1.1	64
3123	Differential Micro RNA Expression in PBMC from Multiple Sclerosis Patients. <i>PLoS ONE</i> , 2009, 4, e6309.	1.1	222
3124	Repertoire of Bovine miRNA and miRNA-Like Small Regulatory RNAs Expressed upon Viral Infection. <i>PLoS ONE</i> , 2009, 4, e6349.	1.1	91
3125	Genomic Profiling of Messenger RNAs and MicroRNAs Reveals Potential Mechanisms of TWEAK-Induced Skeletal Muscle Wasting in Mice. <i>PLoS ONE</i> , 2010, 5, e8760.	1.1	73
3126	Identification of Novel miRNAs and miRNA Dependent Developmental Shifts of Gene Expression in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2010, 5, e10157.	1.1	22

#	ARTICLE	IF	CITATIONS
3127	Improved Microarray-Based Decision Support with Graph Encoded Interactome Data. PLoS ONE, 2010, 5, e10225.	1.1	6
3128	MicroRNA Networks in Mouse Lung Organogenesis. PLoS ONE, 2010, 5, e10854.	1.1	80
3129	MiR-RACE, a New Efficient Approach to Determine the Precise Sequences of Computationally Identified Trifoliolate Orange (<i>Poncirus trifoliata</i>) MicroRNAs. PLoS ONE, 2010, 5, e10861.	1.1	55
3130	ExprTarget: An Integrative Approach to Predicting Human MicroRNA Targets. PLoS ONE, 2010, 5, e13534.	1.1	80
3131	MicroRNAs Are Mediators of Androgen Action in Prostate and Muscle. PLoS ONE, 2010, 5, e13637.	1.1	52
3132	Pre-Clinical Drug Prioritization via Prognosis-Guided Genetic Interaction Networks. PLoS ONE, 2010, 5, e13937.	1.1	9
3133	MiR-886-3p Down Regulates CXCL12 (SDF1) Expression in Human Marrow Stromal Cells. PLoS ONE, 2010, 5, e14304.	1.1	52
3134	Prediction of Associations between microRNAs and Gene Expression in Glioma Biology. PLoS ONE, 2011, 6, e14681.	1.1	73
3135	ENCODE Tiling Array Analysis Identifies Differentially Expressed Annotated and Novel 5' Capped RNAs in Hepatitis C Infected Liver. PLoS ONE, 2011, 6, e14697.	1.1	16
3136	Temporal Differences in MicroRNA Expression Patterns in Astrocytes and Neurons after Ischemic Injury. PLoS ONE, 2011, 6, e14724.	1.1	94
3137	MicroRNA Expression Analysis: Clinical Advantage of Propranolol Reveals Key MicroRNAs in Myocardial Infarction. PLoS ONE, 2011, 6, e14736.	1.1	36
3138	miRNA-mRNA Integrated Analysis Reveals Roles for miRNAs in Primary Breast Tumors. PLoS ONE, 2011, 6, e16915.	1.1	278
3139	NAVIGaTing the Micronome – Using Multiple MicroRNA Prediction Databases to Identify Signalling Pathway-Associated MicroRNAs. PLoS ONE, 2011, 6, e17429.	1.1	207
3140	Identification and Characterization of 63 MicroRNAs in the Asian Seabass <i>Lates calcarifer</i> . PLoS ONE, 2011, 6, e17537.	1.1	48
3141	Hypomethylation of Intragenic LINE-1 Represses Transcription in Cancer Cells through AGO2. PLoS ONE, 2011, 6, e17934.	1.1	94
3142	Alternative Splicing and Nonsense-Mediated RNA Decay Contribute to the Regulation of SHOX Expression. PLoS ONE, 2011, 6, e18115.	1.1	36
3143	MicroRNAs Dynamically Remodel Gastrointestinal Smooth Muscle Cells. PLoS ONE, 2011, 6, e18628.	1.1	39
3144	Sequencing-Based Approaches Reveal Low Ambient Temperature-Responsive and Tissue-Specific MicroRNAs in <i>Phalaenopsis</i> Orchid. PLoS ONE, 2011, 6, e18937.	1.1	69

#	ARTICLE	IF	CITATIONS
3145	Deep Sequencing of Organ- and Stage-Specific microRNAs in the Evolutionarily Basal Insect <i>Blattella germanica</i> (L.) (Dictyoptera, Blattellidae). PLoS ONE, 2011, 6, e19350.	1.1	94
3146	Regulation of Gene Expression in Plants through miRNA Inactivation. PLoS ONE, 2011, 6, e21330.	1.1	70
3147	Evidence for the Complexity of MicroRNA-Mediated Regulation in Ovarian Cancer: A Systems Approach. PLoS ONE, 2011, 6, e22508.	1.1	43
3148	Characterization and Comparative Profiling of MiRNA Transcriptomes in Bighead Carp and Silver Carp. PLoS ONE, 2011, 6, e23549.	1.1	61
3149	A Study of the Evolution of Human microRNAs by Their Apparent Repression Effectiveness on Target Genes. PLoS ONE, 2011, 6, e25034.	1.1	3
3150	Expression and Localization of microRNAs in Perinatal Rat Pancreas: Role of miR-21 in Regulation of Cholesterol Metabolism. PLoS ONE, 2011, 6, e25997.	1.1	24
3151	First Survey of the Wheat Chromosome 5A Composition through a Next Generation Sequencing Approach. PLoS ONE, 2011, 6, e26421.	1.1	57
3152	Quantitative Bias in Illumina TruSeq and a Novel Post Amplification Barcoding Strategy for Multiplexed DNA and Small RNA Deep Sequencing. PLoS ONE, 2011, 6, e26969.	1.1	51
3153	MaturePred: Efficient Identification of MicroRNAs within Novel Plant Pre-miRNAs. PLoS ONE, 2011, 6, e27422.	1.1	61
3154	Genome-Wide Identification of MicroRNAs in Response to Low Nitrate Availability in Maize Leaves and Roots. PLoS ONE, 2011, 6, e28009.	1.1	146
3155	Microarray-Based Transcriptomic Analysis of Differences between Long-Term Gregarious and Solitary Desert Locusts. PLoS ONE, 2011, 6, e28110.	1.1	36
3156	Expression of Mir-21 and Mir-143 in Cervical Specimens Ranging from Histologically Normal through to Invasive Cervical Cancer. PLoS ONE, 2011, 6, e28423.	1.1	90
3157	E-Cadherin Is Transcriptionally Activated via Suppression of ZEB1 Transcriptional Repressor by Small RNA-Mediated Gene Silencing. PLoS ONE, 2011, 6, e28688.	1.1	34
3158	Quantification of miRNA-mRNA Interactions. PLoS ONE, 2012, 7, e30766.	1.1	67
3159	Identification of Mouse Serum miRNA Endogenous References by Global Gene Expression Profiles. PLoS ONE, 2012, 7, e31278.	1.1	39
3160	miRNA-Mediated Relationships between Cis-SNP Genotypes and Transcript Intensities in Lymphocyte Cell Lines. PLoS ONE, 2012, 7, e31429.	1.1	15
3161	Identification of XMRV Infection-Associated microRNAs in Four Cell Types in Culture. PLoS ONE, 2012, 7, e32853.	1.1	6
3162	MicroRNA-34a Inhibits the Proliferation and Metastasis of Osteosarcoma Cells Both In Vitro and In Vivo. PLoS ONE, 2012, 7, e33778.	1.1	182

#	ARTICLE	IF	CITATIONS
3163	microPIR: An Integrated Database of MicroRNA Target Sites within Human Promoter Sequences. PLoS ONE, 2012, 7, e33888.	1.1	34
3164	High-Throughput Sequencing of mGluR Signaling Pathway Genes Reveals Enrichment of Rare Variants in Autism. PLoS ONE, 2012, 7, e35003.	1.1	96
3165	A Cross-Species Analysis of MicroRNAs in the Developing Avian Face. PLoS ONE, 2012, 7, e35111.	1.1	27
3166	MicroRNA Genes and Their Target 3' Untranslated Regions Are Infrequently Somatic Mutated in Ovarian Cancers. PLoS ONE, 2012, 7, e35805.	1.1	27
3167	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
3168	MicroRNA Transcriptomic Analysis of Heterosis during Maize Seed Germination. PLoS ONE, 2012, 7, e39578.	1.1	74
3169	Perturbation of microRNAs in Rat Heart during Chronic Doxorubicin Treatment. PLoS ONE, 2012, 7, e40395.	1.1	86
3170	MicroRNA Profiling in Mucosal Biopsies of Eosinophilic Esophagitis Patients Pre and Post Treatment with Steroids and Relationship with mRNA Targets. PLoS ONE, 2012, 7, e40676.	1.1	43
3171	Computational Identification and Functional Predictions of Long Noncoding RNA in Zea mays. PLoS ONE, 2012, 7, e43047.	1.1	156
3172	Identification of Novel Targets for miR-29a Using miRNA Proteomics. PLoS ONE, 2012, 7, e43243.	1.1	48
3173	Cigarette Smoking Decreases Global MicroRNA Expression in Human Alveolar Macrophages. PLoS ONE, 2012, 7, e44066.	1.1	99
3174	Seed-Milarity Confers to hsa-miR-210 and hsa-miR-147b Similar Functional Activity. PLoS ONE, 2012, 7, e44919.	1.1	33
3175	Comprehensive Exploration of the Effects of miRNA SNPs on Monocyte Gene Expression. PLoS ONE, 2012, 7, e45863.	1.1	8
3176	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
3177	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
3178	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
3179	microRNA miR-34a Regulates Cytodifferentiation and Targets Multi-signaling Pathways in Human Dental Papilla Cells. PLoS ONE, 2012, 7, e50090.	1.1	30
3180	Identifying Conserved and Novel MicroRNAs in Developing Seeds of Brassica napus Using Deep Sequencing. PLoS ONE, 2012, 7, e50663.	1.1	61

#	ARTICLE	IF	CITATIONS
3181	Expression-Based Functional Investigation of the Organ-Specific MicroRNAs in Arabidopsis. PLoS ONE, 2012, 7, e50870.	1.1	16
3182	Evidence for Small RNAs Homologous to Effector-Encoding Genes and Transposable Elements in the Oomycete <i>Phytophthora infestans</i> . PLoS ONE, 2012, 7, e51399.	1.1	79
3183	Comparative Transcriptome Profiling of Dairy Goat MicroRNAs from Dry Period and Peak Lactation Mammary Gland Tissues. PLoS ONE, 2012, 7, e52388.	1.1	71
3184	Heart Structure-Specific Transcriptomic Atlas Reveals Conserved microRNA-mRNA Interactions. PLoS ONE, 2013, 8, e52442.	1.1	66
3185	Multi-Platform Analysis of MicroRNA Expression Measurements in RNA from Fresh Frozen and FFPE Tissues. PLoS ONE, 2013, 8, e52517.	1.1	99
3186	Systematic Transcriptome Wide Analysis of lncRNA-miRNA Interactions. PLoS ONE, 2013, 8, e53823.	1.1	402
3187	MicroRNA-Mediated Suppression of Oncolytic Adenovirus Replication in Human Liver. PLoS ONE, 2013, 8, e54506.	1.1	24
3188	miRNA Expression Profile Analysis in Kidney of Different Porcine Breeds. PLoS ONE, 2013, 8, e55402.	1.1	23
3189	Novel Pancreatic Endocrine Maturation Pathways Identified by Genomic Profiling and Causal Reasoning. PLoS ONE, 2013, 8, e56024.	1.1	14
3190	Increased Sensitivity to Chemotherapy Induced by CpG-ODN Treatment Is Mediated by microRNA Modulation. PLoS ONE, 2013, 8, e58849.	1.1	21
3191	miR-146a Inhibits Cell Growth, Cell Migration and Induces Apoptosis in Non-Small Cell Lung Cancer Cells. PLoS ONE, 2013, 8, e60317.	1.1	230
3192	Identification and Analysis of Red Sea Mangrove (<i>Avicennia marina</i>) microRNAs by High-Throughput Sequencing and Their Association with Stress Responses. PLoS ONE, 2013, 8, e60774.	1.1	33
3193	Integrative Analysis of miRNA and mRNA Profiles in Response to Ethylene in Rose Petals during Flower Opening. PLoS ONE, 2013, 8, e64290.	1.1	70
3194	DNA Methylation Patterns Facilitate the Identification of MicroRNA Transcription Start Sites: A Brain-Specific Study. PLoS ONE, 2013, 8, e66722.	1.1	8
3195	MicroRNA-Gene Expression Network in Murine Liver during <i>Schistosoma japonicum</i> Infection. PLoS ONE, 2013, 8, e67037.	1.1	41
3196	Elucidation of miRNAs-Mediated Responses to Low Nitrogen Stress by Deep Sequencing of Two Soybean Genotypes. PLoS ONE, 2013, 8, e67423.	1.1	46
3197	A Single Nucleotide Polymorphism within the Interferon Gamma Receptor 2 Gene Perfectly Coincides with Polledness in Holstein Cattle. PLoS ONE, 2013, 8, e67992.	1.1	13
3198	Transcriptome-Wide Identification and Characterization of MicroRNAs from Castor Bean (<i>Ricinus</i>) Tj ETQq1 1 0.784314 rgBT /Overl	1.1	28

#	ARTICLE	IF	CITATIONS
3199	Prediction of microRNAs Associated with Human Diseases Based on Weighted k Most Similar Neighbors. PLoS ONE, 2013, 8, e70204.	1.1	266
3200	Identification of MiRNA from Eggplant (<i>Solanum melongena</i> L.) by Small RNA Deep Sequencing and Their Response to <i>Verticillium dahliae</i> Infection. PLoS ONE, 2013, 8, e72840.	1.1	74
3201	Dual Role of miR-21 in CD4+ T-Cells: Activation-Induced miR-21 Supports Survival of Memory T-Cells and Regulates CCR7 Expression in Naive T-Cells. PLoS ONE, 2013, 8, e76217.	1.1	61
3202	Changes in the Expression of miR-381 and miR-495 Are Inversely Associated with the Expression of the MDR1 Gene and Development of Multi-Drug Resistance. PLoS ONE, 2013, 8, e82062.	1.1	79
3203	Coordinate MicroRNA-Mediated Regulation of Protein Complexes in Prostate Cancer. PLoS ONE, 2013, 8, e84261.	1.1	9
3204	Systems and Evolutionary Characterization of MicroRNAs and Their Underlying Regulatory Networks in Soybean Cotyledons. PLoS ONE, 2014, 9, e86153.	1.1	37
3205	Analyses of Hypomethylated Oil Palm Gene Space. PLoS ONE, 2014, 9, e86728.	1.1	26
3206	Identification of MicroRNAs in the Coral <i>Stylophora pistillata</i> . PLoS ONE, 2014, 9, e91101.	1.1	49
3207	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
3208	Interleukin-19 Impairment in Active Crohn's Disease Patients. PLoS ONE, 2014, 9, e93910.	1.1	21
3209	Dysregulated microRNA Clusters in Response to Retinoic Acid and CYP26B1 Inhibitor Induced Testicular Function in Dogs. PLoS ONE, 2014, 9, e99433.	1.1	27
3210	Identification of Conserved and Novel MicroRNAs in the Pacific Oyster <i>Crassostrea gigas</i> by Deep Sequencing. PLoS ONE, 2014, 9, e104371.	1.1	33
3211	Research Resources: Comparative MicroRNA Profiles in Human <i>Corona Radiata</i> Cells and <i>Cumulus Oophorus</i> Cells Detected by Next-Generation Small RNA Sequencing. PLoS ONE, 2014, 9, e106706.	1.1	22
3212	RNA Expression Profiling of Human iPSC-Derived Cardiomyocytes in a Cardiac Hypertrophy Model. PLoS ONE, 2014, 9, e108051.	1.1	51
3213	Identification of Novel miRNAs and miRNA Expression Profiling in Wheat Hybrid Necrosis. PLoS ONE, 2015, 10, e0117507.	1.1	26
3214	Identification and Characterization of MicroRNAs from Tree Peony (<i>Paeonia ostii</i>) and Their Response to Copper Stress. PLoS ONE, 2015, 10, e0117584.	1.1	30
3215	Gene Profiling Characteristics of Radioadaptive Response in AG01522 Normal Human Fibroblasts. PLoS ONE, 2015, 10, e0123316.	1.1	20
3216	Differentially Expressed MicroRNAs in Postpartum Breast Cancer in Hispanic Women. PLoS ONE, 2015, 10, e0124340.	1.1	23

#	ARTICLE	IF	CITATIONS
3217	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
3218	Identification and Characterization of MicroRNAs in Ginkgo biloba var. epiphylla Mak. PLoS ONE, 2015, 10, e0127184.	1.1	37
3219	Identification of MicroRNAs in Response to Different Day Lengths in Soybean Using High-Throughput Sequencing and qRT-PCR. PLoS ONE, 2015, 10, e0132621.	1.1	16
3220	KSHV MicroRNAs Repress Tropomyosin 1 and Increase Anchorage-Independent Growth and Endothelial Tube Formation. PLoS ONE, 2015, 10, e0135560.	1.1	23
3221	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
3222	Small RNA Sequencing Based Identification of MiRNAs in Daphnia magna. PLoS ONE, 2015, 10, e0137617.	1.1	7
3223	Lipopolysaccharide-Induced Differential Expression of miRNAs in Male and Female Rhipicephalus haemaphysaloides Ticks. PLoS ONE, 2015, 10, e0139241.	1.1	15
3224	Identification of Novel and Conserved microRNAs in Homalodisca vitripennis, the Glassy-Winged Sharpshooter by Expression Profiling. PLoS ONE, 2015, 10, e0139771.	1.1	4
3225	MicroRNA Expression Profile during Aphid Feeding in Chrysanthemum (Chrysanthemum morifolium). PLoS ONE, 2015, 10, e0143720.	1.1	30
3226	A pH Sensitive High-Throughput Assay for miRNA Binding of a Peptide-Aminoglycoside (PA) Library. PLoS ONE, 2015, 10, e0144251.	1.1	16
3227	Genome-Wide Identification and Characterization of microRNAs in Developing Grains of Zea mays L.. PLoS ONE, 2016, 11, e0153168.	1.1	34
3228	Circulating MicroRNAs: Association with Lung Function in Asthma. PLoS ONE, 2016, 11, e0157998.	1.1	53
3229	Genome-Wide Identification and Characterization of MicroRNAs and Target Genes in Lonicera japonica. PLoS ONE, 2016, 11, e0164140.	1.1	18
3230	Plasma miRNA Profiles in Pregnant Women Predict Infant Outcomes following Prenatal Alcohol Exposure. PLoS ONE, 2016, 11, e0165081.	1.1	63
3231	Genome-Wide Identification and Analysis of MicroRNAs Involved in Witches' Broom Phytoplasma Response in Ziziphus jujuba. PLoS ONE, 2016, 11, e0166099.	1.1	33
3232	Small RNA Library Preparation Method for Next-Generation Sequencing Using Chemical Modifications to Prevent Adapter Dimer Formation. PLoS ONE, 2016, 11, e0167009.	1.1	45
3233	MicroRNAs regulating cluster of differentiation 46 (CD46) in cardioembolic and non-cardioembolic stroke. PLoS ONE, 2017, 12, e0172131.	1.1	12
3234	Whole exome sequencing of a consanguineous family identifies the possible modifying effect of a globally rare AK5 allelic variant in celiac disease development among Saudi patients. PLoS ONE, 2017, 12, e0176664.	1.1	14

#	ARTICLE	IF	CITATIONS
3235	Circulating microRNAs and association with methacholine PC20 in the Childhood Asthma Management Program (CAMP) cohort. PLoS ONE, 2017, 12, e0180329.	1.1	38
3236	Acute resistance exercise modulates microRNA expression profiles: Combined tissue and circulatory targeted analyses. PLoS ONE, 2017, 12, e0181594.	1.1	65
3237	Genome-wide miRNA response to anacardic acid in breast cancer cells. PLoS ONE, 2017, 12, e0184471.	1.1	13
3238	Identification of functionally important microRNAs from rice inflorescence at heading stage of a qDTY4.1-QTL bearing Near Isogenic Line under drought conditions. PLoS ONE, 2017, 12, e0186382.	1.1	15
3239	MicroRNA signatures of endogenous Huntingtin CAG repeat expansion in mice. PLoS ONE, 2018, 13, e0190550.	1.1	39
3240	MicroRNA expression profiles in metastatic and non-metastatic giant cell tumor of bone. Histology and Histopathology, 2013, 28, 671-8.	0.5	28
3241	Draft Genome of the Common Snapping Turtle, <i>Chelydra serpentina</i> , a Model for Phenotypic Plasticity in Reptiles. G3: Genes, Genomes, Genetics, 2020, 10, 4299-4314.	0.8	10
3242	microRNA Gene Finding and Target Prediction - Basic Principles and Challenges. MOJ Proteomics & Bioinformatics, 2014, 1, .	0.1	4
3243	New approaches to diagnose and target reproductive failure in cattle. Animal Reproduction, 2020, 17, e20200057.	0.4	22
3244	Toward a microRNA signature of endometrial cancer. Proceedings in Obstetrics and Gynecology, 2011, 2, 1-7.	0.1	4
3245	Identification of microRNAs dysregulated in cellular senescence driven by endogenous genotoxic stress. Aging, 2013, 5, 460-473.	1.4	42
3246	Serum exosomal miR-4772-3p is a predictor of tumor recurrence in stage II and III colon cancer. Oncotarget, 2016, 7, 76250-76260.	0.8	93
3247	MiR-21-5p in urinary extracellular vesicles is a novel biomarker of urothelial carcinoma. Oncotarget, 2017, 8, 24668-24678.	0.8	78
3248	microRNAs 424 and 503 are mediators of the anti-proliferative and anti-invasive action of the thyroid hormone receptor beta. Oncotarget, 2014, 5, 2918-2933.	0.8	45
3249	Fixed differences in the 3'UTR of buffalo <i>PRNP</i> gene provide binding sites for miRNAs post-transcriptional regulation. Oncotarget, 2017, 8, 46006-46019.	0.8	8
3250	A genome-wide miRNA screen revealed miR-603 as a MGMT-regulating miRNA in glioblastomas. Oncotarget, 2014, 5, 4026-4039.	0.8	62
3251	Differential expression of microRNA let-7b-5p regulates burn-induced hyperglycemia. Oncotarget, 2017, 8, 72886-72892.	0.8	5
3252	Identification of metastasis-associated microRNAs in serum from rectal cancer patients. Oncotarget, 2017, 8, 90077-90089.	0.8	18

#	ARTICLE	IF	CITATIONS
3253	Deciphering microRNA targets in pancreatic cancer using miRComb R package. <i>Oncotarget</i> , 2018, 9, 6499-6517.	0.8	8
3254	MicroRNA-143 is a putative predictive factor for the response to fluoropyrimidine-based chemotherapy in patients with metastatic colorectal cancer. <i>Oncotarget</i> , 2015, 6, 22996-23007.	0.8	34
3255	Circadian disruption and breast cancer: An epigenetic link?. <i>Oncotarget</i> , 2015, 6, 16866-16882.	0.8	33
3256	miR-155, identified as anti-metastatic by global miRNA profiling of a metastasis model, inhibits cancer cell extravasation and colonization in vivo and causes significant signaling alterations. <i>Oncotarget</i> , 2015, 6, 29224-29239.	0.8	18
3257	Long non-coding RNA containing ultraconserved genomic region 8 promotes bladder cancer tumorigenesis. <i>Oncotarget</i> , 2016, 7, 20636-20654.	0.8	66
3258	Post-transcriptional knowledge in pathway analysis increases the accuracy of phenotypes classification. <i>Oncotarget</i> , 2016, 7, 54572-54582.	0.8	43
3260	Detection of EGF-dependent microRNAs of the fetal mouse submandibular gland at embryonic day 13. <i>Journal of Medical Investigation</i> , 2009, 56, 250-252.	0.2	4
3261	Molecular Imaging Strategies for In Vivo Tracking of MicroRNAs: A Comprehensive Review. <i>Current Medicinal Chemistry</i> , 2013, 20, 3594-3603.	1.2	30
3262	Targeting miRNAs for Pancreatic Cancer Therapy. <i>Current Pharmaceutical Design</i> , 2014, 20, 5279-5286.	0.9	18
3263	Hypolipidaemic Drug Treatment: Yesterday is Not Gone Yet, Today is Challenging and Tomorrow is Coming Soon; let us Combine them all. <i>Current Pharmaceutical Design</i> , 2014, 20, 6350-6357.	0.9	9
3264	ISCHEMIRs: Finding a Way Through the Obstructed Cerebral Arteries. <i>Current Drug Targets</i> , 2016, 17, 800-810.	1.0	11
3265	MicroRNA Targeting as a Therapeutic Strategy Against Glioma. <i>Current Molecular Medicine</i> , 2013, 13, 535-542.	0.6	30
3266	MicroRNAs in Abdominal Aortic Aneurysm. <i>Current Vascular Pharmacology</i> , 2015, 13, 280-290.	0.8	21
3267	In Silico Identification of Conserved MiRNAs from <i>Physcomitrella patens</i> ESTs and their Target Characterization. <i>Current Bioinformatics</i> , 2018, 14, 33-42.	0.7	9
3268	Comprehensive Overview and Assessment of microRNA Target Prediction Tools in <i>Homo sapiens</i> and <i>Drosophila melanogaster</i> . <i>Current Bioinformatics</i> , 2019, 14, 432-445.	0.7	8
3269	miRNA Profile of a Triassic Common Mammalian Ancestor and PremiRNA Evolution in the Three Mammalian Reproductive Lineages. <i>The Open Genomics Journal</i> , 2008, 1, 22-32.	0.5	4
3270	Methylated MicroRNA Genes of the Developing Murine Palate. <i>MicroRNA (Sharjah, United Arab)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	0.6	14
3271	miRNA Modulation of Insect Virus Replication. <i>Current Issues in Molecular Biology</i> , 2020, 34, 61-82.	1.0	6

#	ARTICLE	IF	CITATIONS
3272	Toward Preparing a Knowledge Base to Explore Potential Drugs and Biomedical Entities Related to COVID-19: Automated Computational Approach. JMIR Medical Informatics, 2020, 8, e21648.	1.3	9
3273	MiR-504 promotes cell proliferation and metastasis by targeting BRMS1 in breast cancer. Panminerva Medica, 2019, , .	0.2	4
3274	MicroRNAs in skeletogenesis. Frontiers in Bioscience - Landmark, 2009, Volume, 2757.	3.0	14
3275	Expression of Bioinformatically Candidate miRNAs including, miR-576-5p, miR-501-3p and miR-3143, Targeting PI3K Pathway in Triple-Negative Breast Cancer. , 2019, 8, 1646.		4
3276	MicroRNA microarray expression profiling in human myocardial infarction. Disease Markers, 2009, 27, 255-68.	0.6	78
3277	Identification and analysis of microRNAs in Botryococcus braunii using high-throughput sequencing. Aquatic Biology, 2017, 26, 41-48.	0.5	5
3278	Neuronal dark matter: the emerging role of microRNAs in neurodegeneration. Frontiers in Cellular Neuroscience, 2013, 7, 178.	1.8	167
3279	Alcoholic and Non-Alcoholic Beer Modulate Plasma and Macrophage microRNAs Differently in a Pilot Intervention in Humans with Cardiovascular Risk. Nutrients, 2021, 13, 69.	1.7	12
3280	MicroRNA signatures in liver diseases. World Journal of Gastroenterology, 2009, 15, 1665.	1.4	113
3281	Prognostic biomarkers for prediction of recurrence of hepatocellular carcinoma: Current status and future prospects. World Journal of Gastroenterology, 2014, 20, 3112.	1.4	72
3282	Small RNAs “ their biogenesis, regulation and function in embryonic stem cells. Stembook, 2009, , .	0.3	12
3283	Identification of conserved miRNA molecules in einkorn wheat (Triticum monococcum subsp.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.1	5
3284	The Chicken GGA-Mir-1658* Gene: Seed Region Polymorphisms, Frequency Distribution and Putative Targets. Journal of Animal and Veterinary Advances, 2011, 10, 1187-1193.	0.1	5
3285	A Comprehensive in silico Analysis of Functional and Structural Impact SNPS in the MC1R Gene. Journal of Animal and Veterinary Advances, 2011, 10, 928-931.	0.1	3
3286	Analysis of miR-205 and miR-155 expression in the blood of breast cancer patients. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2013, 25, 46-54.	0.7	70
3287	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
3288	Clinical Significance of MicroRNA Expression Profiles and Polymorphisms in Lung Cancer Development and Management. Pathology Research International, 2011, 2011, 1-7.	1.4	15
3289	Plasma miRNA expression profile in the diagnosis of late-onset hypogonadism. Asian Journal of Andrology, 2016, 18, 713.	0.8	3

#	ARTICLE	IF	CITATIONS
3290	MicroRNAs involvement in renal pathophysiology: A bird's eye view. <i>Indian Journal of Nephrology</i> , 2017, 27, 337.	0.2	15
3291	The Roles of CCR7 for the Homing of Memory CD8+ T Cells into Their Survival Niches. <i>Immune Network</i> , 2020, 20, e20.	1.6	30
3292	Fast and Simple microRNA Northern Blots. <i>Biochemistry Insights</i> , 2009, 2, BCI.S2257.	3.3	7
3293	Cisplatin binds to pre-miR-200b and impairs its processing to mature microRNA. <i>Neoplasma</i> , 2018, 65, 222-227.	0.7	5
3294	Computational Identification, Characterization and Analysis of Conserved miRNAs and their Targets in <i>Amborella Trichopoda</i> . <i>Journal of Data Mining in Genomics & Proteomics</i> , 2015, 06, .	0.5	7
3295	Urinary Micromas as Noninvasive Biomarkers for Acetaminophen- Induced Liver Injury. <i>Metabolomics: Open Access</i> , 2011, 1, .	0.1	11
3296	Evolving Concept of Cancer Stem Cells: Role of Micro-RNAs and their Implications in Tumor Aggressiveness. <i>Journal of Carcinogenesis & Mutagenesis</i> , 0, s1, .	0.3	5
3297	Alpha-Defens in 5 Expression is Regulated by microRNAs in the Caco-2 Intestinal Epithelial Cell Line. <i>Journal of Inflammatory Bowel Diseases & Disorders</i> , 2016, 01, .	0.1	10
3298	Performance and Evaluation of MicroRNA Gene Identification Tools. <i>Journal of Proteomics and Bioinformatics</i> , 2009, 02, 336-343.	0.4	4
3299	A Simple Approach for Evaluating Total MicroRNA Extraction from Mouse Brain Tissues. <i>Journal of Analytical Sciences Methods and Instrumentation</i> , 2012, 02, 5-12.	0.1	1
3300	Next generation sequencing for profiling expression of miRNAs: technical progress and applications in drug development. <i>Journal of Biomedical Science and Engineering</i> , 2011, 04, 666-676.	0.2	45
3301	MicroRNAs Play Significant Roles in Pathogenesis of HBV-Related Diseases. <i>Journal of Biomedical Science and Engineering</i> , 2016, 09, 78-89.	0.2	3
3302	Predicting the target genes of microRNA based on microarray data. <i>Genetics and Molecular Research</i> , 2013, 12, 6059-6066.	0.3	5
3303	Effective sample selection for classification of pre-miRNAs. <i>Genetics and Molecular Research</i> , 2011, 10, 506-518.	0.3	6
3304	Blood exosomal micro ribonucleic acid profiling reveals the complexity of hepatocellular carcinoma and identifies potential biomarkers for differential diagnosis. <i>World Journal of Gastrointestinal Oncology</i> , 2020, 12, 1195-1208.	0.8	7
3305	MicroRNA-based Cancer Therapeutics: Big Hope from Small RNAs. <i>Molecular and Cellular Pharmacology</i> , 2010, 2, 213-219.	1.7	70
3307	Insilico profiling of microRNAs in Korean ginseng (<i>Panax ginseng</i> Meyer). <i>Journal of Ginseng Research</i> , 2013, 37, 227-247.	3.0	32
3308	The expression and functions of microRNAs in pancreatic adenocarcinoma and hepatocellular carcinoma. <i>Chinese Journal of Cancer</i> , 2011, 30, 540-550.	4.9	18

#	ARTICLE	IF	CITATIONS
3309	High AU content: a signature of upregulated miRNA in cardiac diseases. <i>Bioinformation</i> , 2010, 5, 132-135.	0.2	7
3310	IntmiR: a complete catalogue of intronic miRNAs of human and mouse. <i>Bioinformation</i> , 2011, 5, 458-459.	0.2	12
3311	miRTour: Plant miRNA and target prediction tool. <i>Bioinformation</i> , 2011, 6, 248-249.	0.2	23
3312	RAmiRNA: Software suite for generation of SVM-based prediction models of mature miRNAs. <i>Bioinformation</i> , 2012, 8, 581-585.	0.2	1
3313	Computational identification and characterization of putative miRNAs in <i>Heliothis virescens</i> . <i>Bioinformation</i> , 2013, 9, 79-83.	0.2	16
3314	Search for signatures in miRNAs associated with cancer. <i>Bioinformation</i> , 2013, 9, 524-527.	0.2	3
3315	Computer aided gene mining for gingerol biosynthesis. <i>Bioinformation</i> , 2015, 11, 316-321.	0.2	3
3316	Computational identification of putative miRNAs and their target genes in pathogenic amoeba <i>Naegleria fowleri</i> . <i>Bioinformation</i> , 2015, 11, 550-557.	0.2	3
3317	Identification and characterization of conserved miRNAs with its targets mRNA in <i>Trichinella Spiralis</i> . <i>Bioinformation</i> , 2016, 12, 279-284.	0.2	2
3318	Analysis of microRNAs and their targets from onion (<i>Allium cepa</i>) using genome survey sequences (GSS) and expressed sequence tags (ESTs). <i>Bioinformation</i> , 2019, 15, 907-917.	0.2	6
3319	Regulatory Network Analysis of MicroRNAs and Genes in Neuroblastoma. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 7645-7652.	0.5	8
3320	MicroRNA: a new and promising potential biomarker for diagnosis and prognosis of ovarian cancer. <i>Cancer Biology and Medicine</i> , 2015, 12, 328-41.	1.4	81
3321	The genome of the crustacean <i>Parhyale hawaiiensis</i> , a model for animal development, regeneration, immunity and lignocellulose digestion. <i>ELife</i> , 2016, 5, .	2.8	130
3322	A microRNA negative feedback loop downregulates vesicle transport and inhibits fear memory. <i>ELife</i> , 2016, 5, .	2.8	29
3323	Construction of microRNA functional families by a mixture model of position weight matrices. <i>PeerJ</i> , 2013, 1, e199.	0.9	6
3324	The impact of feature selection on one and two-class classification performance for plant microRNAs. <i>PeerJ</i> , 2016, 4, e2135.	0.9	12
3325	Onset of human preterm and term birth is related to unique inflammatory transcriptome profiles at the maternal fetal interface. <i>PeerJ</i> , 2017, 5, e3685.	0.9	62
3326	A novel computational approach to the silencing of <i>Sugarcane Bacilliform Guadeloupe A Virus</i> determines potential host-derived MicroRNAs in sugarcane (<i>Saccharum officinarum</i> L.). <i>PeerJ</i> , 2020, 8, e8359.	0.9	14

#	ARTICLE	IF	CITATIONS
3327	Computational analysis of microRNA-mediated interactions in SARS-CoV-2 infection. PeerJ, 2020, 8, e9369.	0.9	164
3328	MicroRNAs in the Onset of Schizophrenia. Cells, 2021, 10, 2679.	1.8	23
3329	Rapid, multiplexed detection of the <i>let-7</i> miRNA family using β PNA amphiphiles in micelle-tagging electrophoresis. Biopolymers, 2022, 113, e23479.	1.2	1
3330	Identification and Characterization of Downy Mildew-Responsive microRNAs in Indian <i>Vitis vinifera</i> by High-Throughput Sequencing. Journal of Fungi (Basel, Switzerland), 2021, 7, 899.	1.5	1
3331	Genome sequencing of turmeric provides evolutionary insights into its medicinal properties. Communications Biology, 2021, 4, 1193.	2.0	23
3334	ZO-2 favors Hippo signaling, and its re-expression in the steatotic liver by AMPK restores junctional sealing. Tissue Barriers, 2022, 10, 1994351.	1.6	7
3335	Genome-wide in silico analysis of long intergenic non-coding RNAs from rice peduncles at the heading stage. Physiology and Molecular Biology of Plants, 2021, 27, 2389-2406.	1.4	1
3337	MiRNA expression profiling in HIV pathogenesis, disease progression and response to treatment: a systematic review. Epigenomics, 2021, 13, 1653-1671.	1.0	6
3339	Circulating miR-19b-3p as a Novel Prognostic Biomarker for Acute Heart Failure. Journal of the American Heart Association, 2021, 10, e022304.	1.6	16
3341	An integrated multi-omic analysis of iPSC-derived motor neurons from C9ORF72 ALS patients. iScience, 2021, 24, 103221.	1.9	27
3342	Comprehensive analysis of hub mRNA, lncRNA and miRNA, and associated ceRNA networks implicated in grass carp (<i>Ctenopharyngodon idella</i>) growth traits. Genomics, 2021, 113, 4004-4014.	1.3	9
3343	Global RNA editing identification and characterization during human pluripotent-to-cardiomyocyte differentiation. Molecular Therapy - Nucleic Acids, 2021, 26, 879-891.	2.3	6
3345	Application of Computational Tools for Identification of miRNA and Their Target SNPs. Journal of Proteomics and Bioinformatics, 2008, 01, 359-367.	0.4	3
3346	The microRNAs of <i>Caenorhabditis elegans</i> . , 2009, , 89-99.		0
3347	BatchGenAna: a batch platform for large-scale genomic analysis of mammalian small RNAs. Bioinformatics, 2009, 3, 336-348.	0.2	0
3348	Rice Genomics. , 2010, , 257-279.		0
3349	MicroRNA Analysis in the Spinal Fluid of Alzheimer Patients: A Methodological Feasibility Study. , 2010, , 275-282.		2
3350	Gene Profiling of the Failing Heart: Epigenetics. , 2010, , 23-42.		0

#	ARTICLE	IF	CITATIONS
3351	MicroRNAs, Cellular Behavior, and Endometrial Cancer. <i>Proceedings in Obstetrics and Gynecology</i> , 2010, 1, 1-15.	0.1	1
3352	Mesenchymal Stem Cells for Liver Regeneration. <i>Pancreatic Islet Biology</i> , 2011, , 155-179.	0.1	0
3354	Epigenetics, Alcohol, and Cancer. , 2011, , 69-91.		0
3357	MicroRNAs. , 2011, , 135-153.		0
3358	MicroRNAs as Possible Molecular Pacemakers. , 0, , .		1
3359	A novel stepwise support vector machine (SVM) method based on optimal feature combination for predicting miRNA precursors. <i>African Journal of Biotechnology</i> , 2011, 10, .	0.3	1
3360	MicroRNAs as Biomarkers and Therapeutic Targets in Melanoma. , 2012, , 127-144.		0
3361	Bioinformatic Tools for the Search of Disease-Associated Variations. , 2012, , 1-25.		0
3362	Genomes and Nucleic Acid Alterations. , 2012, , 1225-1229.		0
3363	MicroRNA Detection Methods for Mammalian Cell Lines and Their Applications in Therapeutic Protein Production. , 2012, , 99-111.		0
3365	hESC-Derived Hepatocytes. , 2012, , 49-66.		0
3366	Analysis of 3'UTR of Prnp Gene in Mammals: Possible Role of Target Sequences of miRNA for TSE Sensitivity in Bovidae and Cervidae. , 0, , .		0
3367	MicroRNA and Glial Tumors: Tiny Relation with Great Potential. , 0, , .		0
3368	Analytical Study of Hexapod MIRNAs using Phylogenetic Methods. , 2012, , .		0
3369	Computational prediction of microRNA for targeting HIV-1 and HIV-2 subtype. <i>American Journal of Bioinformatics and Computational Biology</i> , 0, , .	0.0	0
3370	MicroRNA Target Prediction. , 2013, , 1335-1335.		0
3371	MicroRNA Web Resources. , 2013, , 1335-1337.		0
3372	Comparison of Four Ab Initio MicroRNA Prediction Tools. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
3373	MicroRNA Control of Apoptotic Programs in Cancer. , 2013, , 503-530.		0
3374	MicroRNA-mRNA Regulation Networks. , 2013, , 1354-1357.		0
3375	Circulating miRNAs from Dried Blood Spots are Associated with High Altitude Sickness. Journal of Medical Diagnostic Methods, 2013, 02, .	0.0	1
3376	MicroRNAs in Cardiometabolic Diseases. Indonesian Biomedical Journal, 2013, 5, 67.	0.2	0
3377	Promising Biomarkers: MicroRNAs at Diagnosis, Therapy and Prognostic Evaluation of Breast Cancer. Lecture Notes in Electrical Engineering, 2014, , 649-656.	0.3	0
3378	Biostatistics and Bioinformatics in Clinical Trials. , 2014, , 282-293.e2.		0
3380	Computational Prediction of microRNAs and their Targets. Journal of Proteomics and Bioinformatics, 2014, 07, .	0.4	2
3381	MicroRNAs in the Molecular Pathology of Gliomas. , 2014, , 77-116.		0
3382	Sequence-Selective Recognition of Double-Stranded RNA. , 2014, , 167-180.		1
3383	GenoScan: Genomic Scanner for Putative miRNA Precursors. Lecture Notes in Computer Science, 2014, , 266-277.	1.0	0
3384	Molecular basis of reprogramming: Modulation by microRNAs. Biomedical Research Journal, 2014, 1, 108.	0.4	0
3385	Comparative Analysis of 3D-Culture System for Murine Neonatal Heart Regeneration: A Systematic Approach for Big Gene Expression Data. Lecture Notes in Computer Science, 2014, , 754-764.	1.0	1
3386	Identification and Analysis of Genomic Homing Endonuclease Target Sites. Methods in Molecular Biology, 2014, 1123, 245-264.	0.4	2
3388	MicroRNA Gene Interaction in Amyotrophic Lateral Sclerosis Dataset. Dataset Papers in Science, 2014, 2014, 1-24.	1.0	0
3389	Molecular Mechanisms and Biomarker Perspective of MicroRNAs in Traumatic Brain Injury. , 2014, , 76-115.		0
3391	Computational Platform for Integration and Analysis of MicroRNA Annotation. , 2015, , 221-233.		0
3392	miR-RACE: An Effective Approach to Accurately Determine the Sequence of Computationally Identified miRNAs. Methods in Molecular Biology, 2015, 1296, 109-118.	0.4	0
3394	In Situ Detection of Neuron-Specific MicroRNAs in Frozen Brain Tissue. Neuromethods, 2016, , 195-208.	0.2	0

#	ARTICLE	IF	CITATIONS
3396	MicroRNA Quantification by Pyrosequencing with a Sequence-Tagged Stem-Loop RT Primer. Springer Protocols, 2016, , 327-338.	0.1	0
3398	In Silico Identification of MicroRNAs with B/CYDV Gene Silencing Potential. Brazilian Archives of Biology and Technology, 2016, 59, .	0.5	1
3399	A Novel Computational Method for MiRNA-Disease Association Prediction. Lecture Notes in Computer Science, 2017, , 539-547.	1.0	0
3400	Methodological Challenges in Functional Investigation and Therapeutic Use of microRNAs. , 2017, , 61-79.		0
3401	Identification of human genes and its genomics functions via miRNAs of <i>C. elegans</i> on bioinformatics platforms. Journal of Next Generation Sequencing & Applications, 2017, 04, .	0.3	0
3402	Nutritional Regulation of Mammary miRNome: Implications for Human Studies. , 2017, , 1-17.		0
3405	Addition of coconut oil to the diet based on maize dried distilled grains with solubles (DDGS) alters miR-122a expression in the pig liver. Journal of Animal and Feed Sciences, 2017, 26, 326-332.	0.4	0
3406	Peculiarities of Non Coding Micrnas Organization in <i>H. Sapiens</i> and some other Species. International Journal of Molecular Biology Open Access, 2017, 2, .	0.2	0
3408	Expressed sequence tags (ESTs)-based computational identification of novel and conserved microRNAs in turmeric (<i>Curcuma longa</i> L.). Journal of Applied Biotechnology & Bioengineering, 2018, 5, .	0.0	0
3409	Cellular Automata Model for Ribonucleic Acid (RNA). , 2018, , 101-202.		0
3412	COMPUTATIONAL IDENTIFICATION OF MICRORNA IN FIVE WOODY OIL TREE CROPS AND THEIR miRNA TARGET SEQUENCES. Journal of Oil Palm Research, 0, , .	2.1	0
3414	Deciphering conserved identical sequences of mature miRNAs among six members of great apes. Zoosystematics and Evolution, 2018, 94, 401-408.	0.4	1
3417	Mining of miRNAs using Next Generation Sequencing (NGS) data generated for Okra (<i>Abelmoschus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	1
3419	Applications of Computational Systems Biology in Cancer Signaling Pathways. , 2019, , 513-537.		0
3420	Approaches to Studying the microRNAome in Skeletal Muscle. , 2019, , 109-133.		0
3424	A novel potato microRNA stu-miR856 regulates mitogen-activatedprotein kinase genes contributing to drought tolerance. Biologia Plantarum, 0, , .	1.9	3
3431	Extending Knowledge on Genomic Data and Metadata of Cancer by Exploiting Taxonomy-Based Relaxed Queries on Domain-Specific Ontologies. Lecture Notes in Computer Science, 2020, , 33-43.	1.0	0
3433	The Role of MicroRNAs in the Progression, Prognostication, and Treatment of Breast Cancer. Novel Approaches in Cancer Study, 2020, 4, .	0.2	0

#	ARTICLE	IF	CITATIONS
3440	Detection of disease-associated microRNAs " application for autism spectrum disorders. Reviews in the Neurosciences, 2020, 31, 757-769.	1.4	4
3441	Whole transcriptome analysis on blue light-induced eye damage. International Journal of Ophthalmology, 2020, 13, 1210-1222.	0.5	1
3443	MicroRNA deregulation and cancer and medicinal plants as microRNA regulator. Asian Pacific Journal of Tropical Biomedicine, 2020, 10, 47.	0.5	3
3444	The Role of HSA21 Encoded Mirna in Down Syndrome Pathophysiology:Opportunities in miRNA-Targeted Pharmacotherapy and Diagnosis of the Down Syndrome. Pharmaceutical Sciences, 2020, 27, 302-312.	0.1	1
3445	Diagnostic and Therapeutic MicroRNAs in Primary Myelofibrosis. Proceedings of the Singapore National Academy of Science, 2020, 14, 91-109.	0.1	0
3447	Involvement of miR-190b in Xbp1 mRNA Splicing upon Tocotrienol Treatment. Molecules, 2021, 26, 163.	1.7	1
3448	MicroRNA profiling of the pig periaqueductal grey (PAG) region reveals candidates potentially related to sex-dependent differences. Biology of Sex Differences, 2020, 11, 67.	1.8	1
3449	Genome-wide Discovery of MicroRNA Biomarkers for Cancer Precision Medicine. RSC Detection Science, 2020, , 1-34.	0.0	1
3450	Supervised Deep Learning Methods for Human pre-miRNA Identification. , 2020, , .		0
3452	Prediction of lncRNA-miRNA Interactions via an Embedding Learning Graph Factorize Over Heterogeneous Information Network. Lecture Notes in Computer Science, 2020, , 270-278.	1.0	0
3455	MYCN in Neuroblastoma: "Old Wine into New Wineskins" Diseases (Basel, Switzerland), 2021, 9, 78.	1.0	12
3457	Mucus piRNAs profiles of <i>Vibrio harveyi</i> "infected <i>Cynoglossus semilaevis</i>: A hint for fish disease monitoring. Journal of Fish Diseases, 2022, 45, 165-175.	0.9	2
3458	A review on applications of plant network biology to understand the drought stress response in economically important cereal crops. Plant Gene, 2022, 29, 100345.	1.4	11
3459	Identification and characterization of heat-responsive miRNAs and their regulatory network in maize. Plant Growth Regulation, 2022, 96, 195-208.	1.8	4
3460	Bioinformatics Methods for Studying MicroRNA and ARE-Mediated Regulation of Post-Transcriptional Gene Expression. , 0, , 156-173.		0
3463	Prediction of human targets for viral-encoded microRNAs by thermodynamics and empirical constraints. Journal of RNAi and Gene Silencing, 2010, 6, 379-85.	1.2	18
3464	Differentially expressed miRNAs in the plasma may provide a molecular signature for aggressive pancreatic cancer. American Journal of Translational Research (discontinued), 2010, 3, 28-47.	0.0	119
3465	The Role of MicroRNA in Inflammatory Bowel Disease. Gastroenterology and Hepatology, 2010, 6, 714-22.	0.2	66

#	ARTICLE	IF	CITATIONS
3466	The emerging role of microRNAs in drug responses. <i>Current Opinion in Molecular Therapeutics</i> , 2010, 12, 695-702.	2.8	30
3468	MicroRNAs: Processing, Maturation, Target Recognition and Regulatory Functions. <i>Molecular and Cellular Pharmacology</i> , 2011, 3, 83-92.	1.7	650
3469	Therapy-, gender- and race-specific microRNA markers, target genes and networks related to glioblastoma recurrence and survival. <i>Cancer Genomics and Proteomics</i> , 2011, 8, 173-83.	1.0	31
3470	MicroRNAs in ischemia-reperfusion injury. <i>American Journal of Cardiovascular Disease</i> , 2012, 2, 237-47.	0.5	55
3471	Noncoding RNAs and Cancer. <i>Avicenna Journal of Medical Biotechnology</i> , 2009, 1, 55-70.	0.2	11
3472	The Role of MicroRNAs in Human Diseases. <i>Avicenna Journal of Medical Biotechnology</i> , 2010, 2, 161-79.	0.2	335
3475	Role of hepatitis B virus genotype D & its mutants in occult hepatitis B infection. <i>Indian Journal of Medical Research</i> , 2013, 138, 329-39.	0.4	2
3476	Fine mapping of variants associated with endometriosis in the WNT4 region on chromosome 1p36. <i>International Journal of Molecular Epidemiology and Genetics</i> , 2013, 4, 193-206.	0.4	16
3477	Epithelial and stromal expression of miRNAs during prostate cancer progression. <i>American Journal of Translational Research (discontinued)</i> , 2014, 6, 329-39.	0.0	32
3479	MicroRNA-570-3p regulates HuR and cytokine expression in airway epithelial cells. <i>American Journal of Clinical and Experimental Immunology</i> , 2014, 3, 68-83.	0.2	26
3481	Expression profile of long non-coding RNAs is altered in endometrial cancer. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 5010-21.	1.3	11
3482	MicroRNA-222 promotes human non-small cell lung cancer H460 growth by targeting p27. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 5534-40.	1.3	19
3483	Analysis of microarray-identified genes and microRNAs associated with drug resistance in ovarian cancer. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 6847-58.	0.5	26
3484	Breast cancer intrinsic subtype classification, clinical use and future trends. <i>American Journal of Cancer Research</i> , 2015, 5, 2929-43.	1.4	327
3485	miR-503 inhibits cell proliferation and induces apoptosis in colorectal cancer cells by targeting E2F3. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 12853-60.	0.5	27
3486	Association between microRNA polymorphisms and papillary thyroid cancer susceptibility. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 13450-7.	0.5	16
3487	Competing endogenous RNA in cancer: a new pattern of gene expression regulation. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 17110-6.	1.3	69
3488	miR-503 inhibits cell proliferation and invasion in glioma by targeting L1CAM. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 18441-7.	1.3	19

#	ARTICLE	IF	CITATIONS
3489	Dysregulated expression of microRNAs and mRNAs in myocardial infarction. American Journal of Translational Research (discontinued), 2015, 7, 2291-304.	0.0	25
3491	Alpha-Defensin 5 Expression is Regulated by microRNAs in the Caco-2 Intestinal Epithelial Cell Line. , 2016, 1, .		8
3492	Downregulation of miR-429 contributes to the development of drug resistance in epithelial ovarian cancer by targeting ZEB1. American Journal of Translational Research (discontinued), 2017, 9, 1357-1368.	0.0	40
3493	MicroRNAs as biomarkers associated with bladder cancer. Medical Journal of the Islamic Republic of Iran, 2016, 30, 475.	0.9	27
3495	MicroRNA profiles in B-cell non-Hodgkin lymphoma. Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine, 2019, 30, 195-214.	0.7	15
3496	Effect of miR-483-5p on apoptosis of lung cancer cells through targeting of RBM5. International Journal of Clinical and Experimental Pathology, 2018, 11, 3147-3156.	0.5	2
3497	A comprehensive analysis for associations between multiple microRNAs and prognosis of osteosarcoma patients. PeerJ, 2020, 8, e8389.	0.9	1
3498	Lung cancer: microRNA and target database. Chinese Journal of Lung Cancer, 2012, 15, 429-34.	0.7	4
3499	RNA-seq for revealing the function of the transcriptome. , 2022, , 105-129.		3
3500	Fuzheng Xiaozheng prescription relieves rat hepatocellular carcinoma through improving anti-inflammation capacity and regulating lipid related metabolisms. Journal of Ethnopharmacology, 2022, 284, 114801.	2.0	12
3501	Controlling flowering of <i>Medicago sativa</i> (alfalfa) by inducing dominant mutations. Journal of Integrative Plant Biology, 2022, 64, 205-214.	4.1	2
3502	MiR-106b-5p Promotes Malignant Behaviors of Cervical Squamous Cell Carcinoma Cells by Targeting TIMP2. Reproductive Sciences, 2022, 29, 203-211.	1.1	0
3503	MicroRNAs affect GPCR and Ion channel genes needed for influenza replication. Journal of General Virology, 2021, 102, .	1.3	0
3504	miR-199a-5p inhibits the Expression of ABCB11 in Obstructive Cholestasis. Journal of Biological Chemistry, 2021, 297, 101400.	1.6	1
3505	MiR-574-5P, miR-1827, and miR-4429 as Potential Biomarkers for Schizophrenia. Journal of Molecular Neuroscience, 2022, 72, 226-238.	1.1	16
3506	Circulating miRNAs associated with bone mineral density in healthy adult baboons. Journal of Orthopaedic Research, 2022, 40, 1827-1833.	1.2	4
3507	Coordinated regulation of WNT/ β -catenin, c-Met, and integrin signalling pathways by miR-193b controls triple negative breast cancer metastatic traits. BMC Cancer, 2021, 21, 1296.	1.1	4
3508	A SNP at MicroRNA binding site of epidermal growth factor receptor 3 β -untranslated region associated with Yangzhou geese egg production. Animal Gene, 2021, 23, 200123.	0.2	0

#	ARTICLE	IF	CITATIONS
3509	CircRFWD3 Promotes HNSCC Metastasis by Modulating miR-27a/b/PPAR β Signaling. SSRN Electronic Journal, 0, , .	0.4	0
3510	Salivary MicroRNA Signature for Diagnosis of Endometriosis. Journal of Clinical Medicine, 2022, 11, 612.	1.0	44
3511	Altered White Matter and microRNA Expression in a Murine Model Related to Williams Syndrome Suggests That miR-34b/c Affects Brain Development via Ptpu and Dcx Modulation. Cells, 2022, 11, 158.	1.8	8
3512	Preclinical development and phase 1 trial of a novel siRNA targeting lipoprotein(a). Nature Medicine, 2022, 28, 96-103.	15.2	128
3513	Swelling-induced upregulation of miR-141-3p inhibits hepatocyte proliferation. JHEP Reports, 2022, 4, 100440.	2.6	5
3514	Role of MicroRNAs and Long Non-Coding RNAs in Sarcopenia. Cells, 2022, 11, 187.	1.8	16
3515	miR-1 Regulates Differentiation and Proliferation of Goat Hair Follicle Stem Cells by Targeting IGF1R and LEF1 Genes. DNA and Cell Biology, 2022, 41, 190-201.	0.9	3
3516	Small RNAs Participate in Plant-Virus Interaction and Their Application in Plant Viral Defense. International Journal of Molecular Sciences, 2022, 23, 696.	1.8	12
3517	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
3518	Systematic Review: microRNAs as Potential Biomarkers in Mild Cognitive Impairment Diagnosis. Frontiers in Aging Neuroscience, 2021, 13, 807764.	1.7	12
3519	Upregulation of miR-34a-5p, miR-20a-3p and miR-29a-3p by Onconase in A375 Melanoma Cells Correlates with the Downregulation of Specific Onco-Proteins. International Journal of Molecular Sciences, 2022, 23, 1647.	1.8	3
3520	Inferring Latent MicroRNA-Disease Associations on A Gene-Mediated Tripartite Heterogeneous Multiplexing Network. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, PP, 1-1.	1.9	0
3521	Clues for Improving the Pathophysiology Knowledge for Endometriosis Using Serum Micro-RNA Expression. Diagnostics, 2022, 12, 175.	1.3	4
3522	Single cell multi-miRNAs quantification with hydrogel microbeads for liver cancer cell subtypes discrimination. Chemical Science, 2022, 13, 2062-2070.	3.7	14
3523	Schwann Cell-Derived Exosomes Induce the Differentiation of Human Adipose-Derived Stem Cells Into Schwann Cells. Frontiers in Molecular Biosciences, 2021, 8, 835135.	1.6	7
3524	Effects of nutrient restriction during early or mid-gestation in bovine on placental development and miRNA expression in the cotyledon. Animal Reproduction Science, 2022, 237, 106935.	0.5	0
3525	Fecal microbiota transplantation as tool to study the interrelation between microbiota composition and miRNA expression. Microbiological Research, 2022, 257, 126972.	2.5	5
3526	Depth normalization of small RNA sequencing: using data and biology to select a suitable method. Nucleic Acids Research, 2022, 50, e56-e56.	6.5	4

#	ARTICLE	IF	CITATIONS
3528	TRmir: A Comprehensive Resource for Human Transcriptional Regulatory Information of MiRNAs. <i>Frontiers in Genetics</i> , 2022, 13, 808950.	1.1	1
3529	Answer ALS, a large-scale resource for sporadic and familial ALS combining clinical and multi-omics data from induced pluripotent cell lines. <i>Nature Neuroscience</i> , 2022, 25, 226-237.	7.1	66
3530	Identification of miRNA and their target genes in <i>Cestrum nocturnum</i> L. and <i>Cestrum diurnum</i> L. in stress responses. <i>Physiology and Molecular Biology of Plants</i> , 2022, 28, 31-49.	1.4	1
3531	PDMDA: predicting deep-level miRNA-disease associations with graph neural networks and sequence features. <i>Bioinformatics</i> , 2022, 38, 2226-2234.	1.8	18
3532	Translocated <i>Legionella pneumophila</i> small RNAs mimic eukaryotic microRNAs targeting the host immune response. <i>Nature Communications</i> , 2022, 13, 762.	5.8	34
3533	Association of a potential functional mir-520f rs75598818 G>A polymorphism with breast cancer. <i>Journal of Genetics</i> , 2018, 97, 1307-1313.	0.4	3
3536	Integrated analysis of the transcriptome, sRNAome, and degradome reveals the network regulating fruit skin coloration in sponge gourd (<i>Luffa cylindrica</i>). <i>Scientific Reports</i> , 2022, 12, 3338.	1.6	1
3537	Role of miRNAs in Neurodegeneration: From Disease Cause to Tools of Biomarker Discovery and Therapeutics. <i>Genes</i> , 2022, 13, 425.	1.0	39
3538	Analysing miRNA-Target Gene Networks in Inflammatory Bowel Disease and Other Complex Diseases Using Transcriptomic Data. <i>Genes</i> , 2022, 13, 370.	1.0	4
3539	Genome-wide identification of MITE-derived microRNAs and their targets in bread wheat. <i>BMC Genomics</i> , 2022, 23, 154.	1.2	9
3540	Expression characteristics and interaction networks of microRNAs in spleen tissues of grass carp (<i>Ctenopharyngodon idella</i>). <i>PLoS ONE</i> , 2022, 17, e0266189.	1.1	5
3541	Nitrate/ammonium-responsive microRNA-mRNA regulatory networks affect root system architecture in <i>Populus euphratica</i> . <i>BMC Plant Biology</i> , 2022, 22, 96.	1.6	7
3542	Evidence of antagonistic predictive effects of miRNAs in breast cancer cohorts through data-driven networks. <i>Scientific Reports</i> , 2022, 12, 5166.	1.6	0
3543	Feeding pigs with coconut oil affects their adipose miRNA profile. <i>Molecular Biology Reports</i> , 2022, , 1.	1.0	0
3544	LncRNA-miRNA-mRNA Network Analysis Reveals the Potential Biomarkers in Crohn's Disease Rats Treated with Herb-Partitioned Moxibustion. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 1699-1716.	1.6	9
3545	microRNA profile of <i>Hermetia illucens</i> (black soldier fly) and its implications on mass rearing. <i>PLoS ONE</i> , 2022, 17, e0265492.	1.1	1
3546	hsa-miR-206b Involves in the Development of Papillary Thyroid Carcinoma via Targeting LMX1B. <i>BioMed Research International</i> , 2022, 2022, 1-11.	0.9	3
3547	Identification and evaluation of circulating small extracellular vesicle microRNAs as diagnostic biomarkers for patients with indeterminate pulmonary nodules. <i>Journal of Nanobiotechnology</i> , 2022, 20, 172.	4.2	14

#	ARTICLE	IF	CITATIONS
3548	Integrated Analysis of Physiological, mRNA Sequencing, and miRNA Sequencing Data Reveals a Specific Mechanism for the Response to Continuous Cropping Obstacles in <i>Pogostemon cablin</i> Roots. <i>Frontiers in Plant Science</i> , 2022, 13, 853110.	1.7	8
3549	A review on methods for predicting miRNA-mRNA regulatory modules. <i>Journal of Integrative Bioinformatics</i> , 2022, 19, .	1.0	5
3550	A Multi-Level Iterative Bi-Clustering Method for Discovering miRNA Co-regulation Network of Abiotic Stress Tolerance in Soybeans. <i>Frontiers in Plant Science</i> , 2022, 13, 860791.	1.7	2
3551	Genome-wide variants and polygenic risk scores for cognitive impairment following blood or marrow transplantation. <i>Bone Marrow Transplantation</i> , 2022, , .	1.3	0
3552	A Computational approach to screen, predict and annotate human and chimpanzee PHEX intronic miRNAs, their gene targets, and regulatory interaction networks. <i>Computational Biology and Chemistry</i> , 2022, 98, 107673.	1.1	0
3553	Distinct CholinomiR Blood Cell Signature as a Potential Modulator of the Cholinergic System in Women with Fibromyalgia Syndrome. <i>Cells</i> , 2022, 11, 1276.	1.8	8
3554	Serological profiling reveals hsa-miR-451a as a possible biomarker of anaphylaxis. <i>JCI Insight</i> , 2022, 7, .	2.3	9
3555	Competing endogenous RNA-networks reveal key regulatory microRNAs involved in the response of Atlantic salmon to a novel orthomyxovirus. <i>Developmental and Comparative Immunology</i> , 2022, 132, 104396.	1.0	2
3556	Identification of miRNA-mRNA Regulatory Modules Involved in Lipid Metabolism and Seed Development in a Woody Oil Tree (<i>Camellia oleifera</i>). <i>Cells</i> , 2022, 11, 71.	1.8	9
3557	Roles of Noncoding RNA in Reproduction. <i>Frontiers in Genetics</i> , 2021, 12, 777510.	1.1	28
3558	Whole-Genome Transcript Expression Profiling Reveals Novel Insights into Transposon Genes and Non-Coding RNAs during Atlantic Salmon Seawater Adaptation. <i>Biology</i> , 2022, 11, 1.	1.3	18
3559	MiR-1246 regulates the PI3K/AKT signaling pathway by targeting PIK3AP1 and inhibits thyroid cancer cell proliferation and tumor growth. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 649-661.	1.4	12
3560	Macrophage Heterogeneity in the Intestinal Cells of Salmon: Hints From Transcriptomic and Imaging Data. <i>Frontiers in Immunology</i> , 2021, 12, 798156.	2.2	1
3561	miR-181a Promotes Multiple Protumorigenic Functions by Targeting TGF β 2R3. <i>Journal of Investigative Dermatology</i> , 2022, 142, 1956-1965.e2.	0.3	4
3563	Multi-Relation Graph Embedding for Predicting miRNA-Target Gene Interactions by Integrating Gene Sequence Information. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 4345-4353.	3.9	1
3564	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. <i>Research in Pharmaceutical Sciences</i> , 2022, 17, 242.	0.6	5
3565	Seminal plasma piRNA array analysis and identification of possible biomarker piRNAs for the diagnosis of asthenozoospermia. <i>Experimental and Therapeutic Medicine</i> , 2022, 23, 347.	0.8	3
3566	Clone and Function Verification of the OPR gene in <i>Brassica napus</i> Related to Linoleic Acid Synthesis. <i>BMC Plant Biology</i> , 2022, 22, 192.	1.6	5

#	ARTICLE	IF	CITATIONS
3569	Characteristics of the MicroRNA Expression Profile of Exosomes Released by Vero Cells Infected with Porcine Epidemic Diarrhea Virus. <i>Viruses</i> , 2022, 14, 806.	1.5	3
3570	MicroRNA Profile of MA-104 Cell Line Associated With the Pathogenesis of Bovine Rotavirus Strain Circulated in Chinese Calves. <i>Frontiers in Microbiology</i> , 2022, 13, 854348.	1.5	1
3571	<i>Verticillium dahliae</i> Secretes Small RNA to Target Host MIR157d and Retard Plant Floral Transition During Infection. <i>Frontiers in Plant Science</i> , 2022, 13, 847086.	1.7	8
3572	Set of miRNAs Involved in Sulfur Uptake and the Assimilation Pathway of Indian Mustard (<i>Brassica juncea</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 100959.	1.6	3
3573	Effects of Methylprednisolone in the Treatment of Spinal Cord Injuries by Evaluation of microRNA-21: An Experimental Study. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2022, , .	0.4	0
3658	Discovery of miR-mRNA interactions via simultaneous Bayesian inference of gene networks and clusters using sequence-based predictions and expression data. <i>Journal of Integrative Bioinformatics</i> , 2013, 10, 227.	1.0	2
3661	Hsa-miR-19b-3p and Hsa-miR-23b-3P are the candidate biomarkers for bipolar disorder. <i>Informatics in Medicine Unlocked</i> , 2022, 30, 100959.	1.9	0
3662	The Role of Epigenetics in Primary Biliary Cholangitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4873.	1.8	11
3663	Exosomes and MicroRNAs in Biomedical Science. <i>Synthesis Lectures on Biomedical Engineering</i> , 2022, 17, 1-175.	0.1	0
3664	Dissection of the microRNA Network Regulating Hedgehog Signaling in <i>Drosophila</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 866491.	1.8	2
3665	RNA-Seq, Bioinformatic Identification of Potential MicroRNA-like Small RNAs in the Edible Mushroom <i>Agaricus bisporus</i> and Experimental Approach for Their Validation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4923.	1.8	5
3666	Mapping the epithelial-immune cell interactome upon infection in the gut and the upper airways. <i>Npj Systems Biology and Applications</i> , 2022, 8, 15.	1.4	3
3667	ceRNASHiny: An Interactive R/Shiny App for Identification and Analysis of ceRNA Regulation. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, .	1.6	3
3668	Endometriosis Associated-miRNome Analysis of Blood Samples: A Prospective Study. <i>Diagnostics</i> , 2022, 12, 1150.	1.3	4
3669	Vertebrate Virus-Encoded MicroRNAs and Their Sequence Conservation. <i>Japanese Journal of Infectious Diseases</i> , 2011, 64, 357-366.	0.5	9
3670	Identification of microRNAs in the Lyme Disease Vector <i>Ixodes scapularis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 5565.	1.8	3
3671	MicroRNA-503 Exacerbates Myocardial Ischemia/Reperfusion Injury via Inhibiting PI3K/Akt- and STAT3-Dependent Prosurvival Signaling Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 1-17.	1.9	3
3672	Noncoding RNA Databases. <i>Current Pharmaceutical Biotechnology</i> , 2023, 24, 825-831.	0.9	3

#	ARTICLE	IF	CITATIONS
3673	miR-155-3p: processing by-product or rising star in immunity and cancer?. <i>Open Biology</i> , 2022, 12, .	1.5	11
3674	Nested miRNA Secondary Structure Is a Unique Determinant of miR159 Efficacy in Arabidopsis. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	2
3677	Rapid quantification of microRNA-375 through one-pot primer-generating rolling circle amplification. <i>Analyst</i> , The, 2022, 147, 2936-2941.	1.7	1
3678	Functional Annotation of miRNAs in Rice Using ARMOUR. <i>Springer Protocols</i> , 2022, , 227-234.	0.1	1
3679	Differential Gene Expression in Cord Blood of Infants Diagnosed with Cerebral Palsy: A Pilot Analysis of the Beneficial Effects of Antenatal Magnesium Cohort. <i>Developmental Neuroscience</i> , 2022, 44, 412-425.	1.0	0
3680	Molecular Dissection of a Conserved Cluster of miRNAs Identifies Critical Structural Determinants That Mediate Differential Processing. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	2
3681	exRNA disease: An extracellular RNA transcriptome atlas in human diseases. <i>Gene</i> , 2022, 836, 146662.	1.0	2
3682	MicroRNA 182, 183, 200a, and 200b exhibit strong correlations but no involvement in PTEN protein regulation in uterine endometrial carcinoma. <i>Pathology Research and Practice</i> , 2022, 236, 153986.	1.0	0
3684	MiR-4763-3p targeting <i>RASD2</i> as a Potential Biomarker and Therapeutic Target for Schizophrenia. , 2022, 13, 1278.		1
3685	CircRFWD3 promotes HNSCC metastasis by modulating miR-27a/b/PPAR β signaling. <i>Cell Death Discovery</i> , 2022, 8, .	2.0	3
3686	Identification and Characterization of Long Non-coding RNA in Tomato Roots Under Salt Stress. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	9
3687	Copper microRNAs modulate the formation of giant feeding cells induced by the root knot nematode <i>Meloidogyne incognita</i> in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2022, 236, 283-295.	3.5	6
3688	Genome-Wide Analysis of microRNAs Identifies the Lipid Metabolism Pathway to Be a Defining Factor in Adipose Tissue From Different Sheep. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	3
3689	Variation in placental microRNA expression associates with maternal family history of cardiovascular disease. <i>Journal of Developmental Origins of Health and Disease</i> , 2023, 14, 132-139.	0.7	0
3690	Alterations in bone marrow microRNA expression profiles on infection with avian pathogenic <i>Escherichia coli</i> . <i>Research in Veterinary Science</i> , 2022, 150, 1-9.	0.9	4
3691	A Bioinformatics Approach to MicroRNA-Sequencing Analysis Based on Human Saliva Samples of Patients with Endometriosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8045.	1.8	10
3692	Analysis of miRNA Associated with Coronary Artery Calcification. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-5.	0.7	3
3693	Human placental microRNAs dysregulated by cadmium exposure predict neurobehavioral outcomes at birth. <i>Pediatric Research</i> , 2023, 93, 1410-1418.	1.1	4

#	ARTICLE	IF	CITATIONS
3694	Evolutionary conservation of nested MIR159 structural microRNA genes and their promoter characterization in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
3696	Matrix Bound Nanovesicles Have Tissue-Specific Characteristics That Suggest a Regulatory Role. <i>Tissue Engineering - Part A</i> , 2022, 28, 879-892.	1.6	5
3697	Transcriptome analysis revealed gene expression feminization of testis after exogenous tetrodotoxin administration in pufferfish <i>Takifugu flavidus</i> . <i>BMC Genomics</i> , 2022, 23, .	1.2	0
3698	Integrative analysis of circulating microRNAs and the placental transcriptome in recurrent pregnancy loss. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	3
3699	Transcriptome analysis of well-differentiated laryngeal squamous cell carcinoma cells in below-background environment. <i>Annals of Translational Medicine</i> , 2022, 10, 824-824.	0.7	1
3700	Roles of microRNAs in abiotic stress response and characteristics regulation of plant. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	28
3702	Genome sequencing and comparative analysis of <i>Ficus benghalensis</i> and <i>Ficus religiosa</i> species reveal evolutionary mechanisms of longevity. <i>IScience</i> , 2022, 25, 105100.	1.9	12
3703	Hypoxia-induced epigenetic transgenerational miRNAs dysregulation involved in reproductive impairment of ovary. <i>Chemico-Biological Interactions</i> , 2022, 367, 110176.	1.7	3
3704	Databases for Rational Design and Discovery of Multitarget Drugs. , 2022, , 737-780.		0
3705	Insights into the Oxidative Stress and microRNA-Based Therapeutics in Colorectal Cancer. , 2022, , 1699-1717.		0
3706	miRNA-Based Genetic Engineering for Crop Improvement and Production of Functional Foods. , 2022, , 401-429.		0
3707	Integrative Investigation of Root-Related mRNAs, lncRNAs and circRNAs of 'Muscat Hamburg'(Vitis Tj ETQq1 1 0.784314 rgBT 13, 1547.	1.0	1
3708	è,ç~â^tâç—...ç†â† ä,çš,,è° fèš,æ€SRNA. <i>Scientia Sinica Vitae</i> , 2022, , .	0.1	0
3709	The Specific microRNA Profile and Functional Networks for Children with Allergic Asthma. <i>Journal of Asthma and Allergy</i> , 0, Volume 15, 1179-1194.	1.5	2
3710	MicroRNAs as Regulators of Cancer Cell Energy Metabolism. <i>Journal of Personalized Medicine</i> , 2022, 12, 1329.	1.1	5
3711	Precision machine learning to understand micro-RNA regulation in neurodegenerative diseases. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	1
3712	Endometriosis-associated infertility diagnosis based on saliva microRNA signatures. <i>Reproductive BioMedicine Online</i> , 2023, 46, 138-149.	1.1	4
3713	Identification and expression analysis of sex biased miRNAs in chinese hook snout carp <i>Opsariichthys bidens</i> . <i>Frontiers in Genetics</i> , 0, 13, .	1.1	2

#	ARTICLE	IF	CITATIONS
3714	Nomogram for predicted probability of cervical cancer and its precursor lesions using miRNA in cervical mucus, HPV genotype and age. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
3715	Temperature-Biased miRNA Expression Patterns during European Sea Bass (<i>Dicentrarchus labrax</i>) Development. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11164.	1.8	6
3716	Modulation of Host-Parasite Interactions with Small Molecules Targeting <i>Schistosoma mansoni</i> microRNAs. <i>ACS Infectious Diseases</i> , 0, , .	1.8	0
3717	RTX-KG2: a system for building a semantically standardized knowledge graph for translational biomedicine. <i>BMC Bioinformatics</i> , 2022, 23, .	1.2	15
3718	The Impact of the Anticoagulant Type in Blood Collection Tubes on Circulating Extracellular Plasma MicroRNA Profiles Revealed by Small RNA Sequencing. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10340.	1.8	3
3719	Regulation Networks of Non-Coding RNA-Associated ceRNAs in Cisplatin-Induced Acute Kidney Injury. <i>Cells</i> , 2022, 11, 2971.	1.8	2
3720	A novel circRNA-miRNA association prediction model based on structural deep neural network embedding. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	18
3721	Association of Circular RNA and Long Non-Coding RNA Dysregulation with the Clinical Response to Immune Checkpoint Blockade in Cutaneous Metastatic Melanoma. <i>Biomedicines</i> , 2022, 10, 2419.	1.4	2
3722	Cold-inducible promoter-driven knockdown of <i>Brachypodium</i> antifreeze proteins confers freezing and phytopathogen susceptibility. <i>Plant Direct</i> , 2022, 6, .	0.8	0
3723	Integrated miRNA, target mRNA, and metabolome profiling of <i>Tinospora cordifolia</i> with reference to berberine biosynthesis. <i>3 Biotech</i> , 2022, 12, .	1.1	0
3724	A systematic review of the research progress of non-coding RNA in neuroinflammation and immune regulation in cerebral infarction/ischemia-reperfusion injury. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	15
3725	MYC-mediated silencing of miR-181a-5p promotes pathogenic Th17 responses by modulating AKT3-FOXO3 signaling. <i>IScience</i> , 2022, 25, 105176.	1.9	4
3726	Liver transcriptomics reveals microRNA features of the host response in a mouse model of dengue virus infection. <i>Computers in Biology and Medicine</i> , 2022, 150, 106057.	3.9	1
3727	Identification and Characterization of Piwi-Interacting RNAs for Early Testicular Development in Yak. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12320.	1.8	4
3728	Study of KRAS-Related miRNA Expression in Colorectal Cancer. <i>Cancer Management and Research</i> , 0, Volume 14, 2987-3008.	0.9	4
3729	Dynamic Analysis of microRNAs from Different Life Stages of <i>Rhipicephalus microplus</i> (Acari: Ixodidae) by High-Throughput Sequencing. <i>Pathogens</i> , 2022, 11, 1148.	1.2	2
3730	Prediction models based on miRNA-disease relationship: Diagnostic relevance to multiple diseases including COVID-19. <i>Current Pharmaceutical Biotechnology</i> , 2022, 24, .	0.9	2
3731	Small RNA Analyses of a <i>Ceratobasidium</i> Isolate Infected with Three Endornaviruses. <i>Viruses</i> , 2022, 14, 2276.	1.5	4

#	ARTICLE	IF	CITATIONS
3732	Identification and Characterization of Small RNA Markers of Age in the Blow Fly <i>Cochliomyia macellaria</i> (Fabricius) (Diptera: Calliphoridae). <i>Insects</i> , 2022, 13, 948.	1.0	2
3733	Placental microRNAs relate to early childhood growth trajectories. <i>Pediatric Research</i> , 2023, 94, 341-348.	1.1	2
3734	Dysregulation of miR-543 in Parkinson's disease: Impact on the neuroprotective gene SIRT1. <i>Neuropathology and Applied Neurobiology</i> , 2023, 49, .	1.8	4
3735	Increased levels of microRNA-320 in blood serum and plasma is associated with imminent and advanced lung cancer. <i>Molecular Oncology</i> , 2023, 17, 312-327.	2.1	1
3736	Role of microRNAs and long non-coding RNAs in glucocorticoid signaling (Review). <i>International Journal of Molecular Medicine</i> , 2022, 50, .	1.8	2
3737	PMMS: Predicting essential miRNAs based on multi-head self-attention mechanism and sequences. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	1
3738	Differentiation and Maturation of Muscle and Fat Cells in Cultivated Seafood: Lessons from Developmental Biology. <i>Marine Biotechnology</i> , 2023, 25, 1-29.	1.1	4
3739	Further Mining and Characterization of miRNA Resource in Chinese Fir (<i>Cunninghamia lanceolata</i>). <i>Genes</i> , 2022, 13, 2137.	1.0	1
3740	Whole transcriptome expression profiles in kidney samples from rats with hyperuricaemic nephropathy. <i>PLoS ONE</i> , 2022, 17, e0276591.	1.1	0
3741	miR-122-5p Regulates Renal Fibrosis In Vivo. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15423.	1.8	0
3742	Characteristics of piRNAs and their comparative profiling in testes of sheep with different fertility. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
3743	RNA:RNA interaction in ternary complexes resolved by chemical probing. <i>Rna</i> , 2023, 29, 317-329.	1.6	2
3744	miRNA profiling in intrauterine exosomes of pregnant cattle on day 7. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	0
3745	Deciphering the Role of p53 and TAp73 in Neuroblastoma: From Pathogenesis to Treatment. <i>Cancers</i> , 2022, 14, 6212.	1.7	2
3746	CODA: a combo-Seq data analysis workflow. <i>Briefings in Bioinformatics</i> , 2023, 24, .	3.2	1
3747	MicroRNAs as Potential Biomarkers in Coronary Artery Disease. <i>Current Topics in Medicinal Chemistry</i> , 2023, 23, 454-469.	1.0	8
3748	Production and Biological Effects of Extracellular Vesicles from Adipose-Derived Stem Cells Were Markedly Increased by Low-Intensity Ultrasound Stimulation for Promoting Diabetic Wound Healing. <i>Stem Cell Reviews and Reports</i> , 2023, 19, 784-806.	1.7	6
3749	Comparative Analysis of mRNA and miRNA Expression between Dermal Papilla Cells and Hair Matrix Cells of Hair Follicles in Yak. <i>Cells</i> , 2022, 11, 3985.	1.8	0

#	ARTICLE	IF	CITATIONS
3750	Integrated Analysis of MicroRNA and mRNA Expression Profiles in the Fat Bodies of MbMNPV-Infected <i>Helicoverpa armigera</i> . <i>Viruses</i> , 2023, 15, 19.	1.5	1
3751	Dietary Sugar Shifts Mitochondrial Metabolism and Small RNA Biogenesis in Sperm. <i>Antioxidants and Redox Signaling</i> , 2023, 38, 1167-1183.	2.5	0
3752	A five-pseudouridylation-associated-LncRNA classifier for primary prostate cancer prognosis prediction. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
3753	A Transcriptomic Regulatory Network among miRNAs, lncRNAs, circRNAs, and mRNAs Associated with L-leucine-induced Proliferation of Equine Satellite Cells. <i>Animals</i> , 2023, 13, 208.	1.0	0
3755	Multiple Copies of microRNA Binding Sites in Long 3'UTR Variants Regulate Axonal Translation. <i>Cells</i> , 2023, 12, 233.	1.8	4
3757	Profiling the Spatial Expression Pattern and ceRNA Network of lncRNA, miRNA, and mRNA Associated with the Development of Intermuscular Bones in Zebrafish. <i>Biology</i> , 2023, 12, 75.	1.3	2
3758	MFIDMA: A Multiple Information Integration Model for the Prediction of Drug-miRNA Associations. <i>Biology</i> , 2023, 12, 41.	1.3	3
3759	Identification of miRNA-mediated gene regulatory networks in L-methionine exposure counteracts cocaine-conditioned place preference in mice. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
3760	Temporal transcriptomic changes in miRNAs involved in the host immune response and metabolism during <i>Neospora caninum</i> infection. <i>Parasites and Vectors</i> , 2023, 16, .	1.0	1
3761	miR-148a regulation interferes in inflammatory cytokine and parasitic load in canine leishmaniasis. <i>PLoS Neglected Tropical Diseases</i> , 2023, 17, e0011039.	1.3	2
3762	Identification and Validation of Mirnas and their Targets that Regulate the Resistance Genes against Fusarium Wilt in Tomato. <i>International Journal of Phytopathology</i> , 2022, 11, 301-313.	0.1	0
3763	MicroRNA 3' ends shorten during adolescent brain maturation. <i>Frontiers in Molecular Neuroscience</i> , 0, 16, .	1.4	0
3764	miRNA transcriptome reveals key miRNAs and their targets contributing to the difference in Cd tolerance of two contrasting maize genotypes. <i>Ecotoxicology and Environmental Safety</i> , 2023, 256, 114881.	2.9	4
3765	miProBERT: identification of microRNA promoters based on the pre-trained model BERT. <i>Briefings in Bioinformatics</i> , 2023, 24, .	3.2	1
3766	Novel microRNAs associated with the immune response to cucumber mosaic virus in hot pepper (<i>Capsicum annuum</i> L.). <i>Physiological and Molecular Plant Pathology</i> , 2023, 124, 101963.	1.3	2
3767	Sex-Inclined Piwi-Interacting RNAs in Serum Exosomes for Sex Determination in the Greater Amberjack (<i>Seriola dumerili</i>). <i>International Journal of Molecular Sciences</i> , 2023, 24, 3438.	1.8	0
3768	Chromosome 1p status in neuroblastoma correlates with higher expression levels of miRNAs targeting neuronal differentiation pathway. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2023, 59, 100-108.	0.7	0
3769	Identification and profiling of microRNAs during yak's testicular development. <i>BMC Veterinary Research</i> , 2023, 19, .	0.7	1

#	ARTICLE	IF	CITATIONS
3770	Insights into Online microRNA Bioinformatics Tools. <i>Non-coding RNA</i> , 2023, 9, 18.	1.3	3
3771	A Data-Mining Approach to Identify NF- κ B-Responsive microRNAs in Tissues Involved in Inflammatory Processes: Potential Relevance in Age-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5123.	1.8	2
3772	Global expression and functional analysis of human piRNAs during HSV-1 infection. <i>Virus Research</i> , 2023, 328, 199087.	1.1	3
3773	Preparation of therapy-grade extracellular vesicles from adipose tissue to promote diabetic wound healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 11, .	2.0	0
3774	Small RNA sequencing identified miR-3180 as a potential prognostic biomarker for Chinese hepatocellular carcinoma patients. <i>Frontiers in Genetics</i> , 0, 14, .	1.1	0
3775	Characterization of microRNAs and Target Genes in <i>Musa acuminata</i> subsp. <i>burmannicoides</i> , var. <i>Calcutta 4</i> during Interaction with <i>Pseudocercospora musae</i> . <i>Plants</i> , 2023, 12, 1473.	1.6	0
3776	Pentose Pathway Activation Is Superior to Increased Glycolysis for Therapeutic Angiogenesis in Peripheral Arterial Disease. <i>Journal of the American Heart Association</i> , 2023, 12, .	1.6	2
3777	NF1-Related MicroRNA Gene Polymorphisms and the Susceptibility to Soft Tissue Sarcomas: A Caseâ€“Control Study. <i>DNA and Cell Biology</i> , 0, , .	0.9	0
3778	Identification of conserved miRNAs and their targets in <i>Jatropha curcas</i> : an in silico approach. <i>Journal of Genetic Engineering and Biotechnology</i> , 2023, 21, 43.	1.5	0
3779	A Compilation of the Diverse miRNA Functions in <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> Development. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6963.	1.8	2
3780	Symbiosis preservation: Putative regulation of fatty acyl-CoA reductase by miR-31a within the symbiont harboring bacteriome through tsetse evolution. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	0
3781	How can we modulate aging through nutrition and physical exercise? An epigenetic approach. <i>Aging</i> , 0, , .	1.4	1
3782	Small RNA networking: host-microbe interaction in food crops. , 2023, , 271-293.		0
3783	MicroRNAs in gametes and preimplantation embryos: Clinical implications. , 2023, , 251-287.		0
3784	MicroRNA Biogenesis in Regenerative Medicine. , 2023, , 3-48.		0
3785	MicroRNAs in Tissue Engineering and Regenerative Medicine. , 2015, , 1007-1049.		0
3814	MicroRNA: A Novel Micro-machineries to Target Crop Plants for Tolerance to Temperature Stress. <i>Plant Molecular Biology Reporter</i> , 0, , .	1.0	0
3816	tRNAThr-miR-720 mimicry in glioma cells. <i>Human Cell</i> , 2023, 36, 2276-2277.	1.2	0

#	ARTICLE	IF	CITATIONS
3822	Computational Genomics Approaches for Livestock Improvement and Management. Livestock Diseases and Management, 2023, , 351-376.	0.5	0
3829	Non-coding RNAs in Lepidoptera. , 0, , .		0
3854	Role of Non-coding RNAs in Disease Resistance in Plants. , 2024, , 167-190.		0