

miRBase: integrating microRNA annotation and deep-seq

Nucleic Acids Research

39, D152-D157

DOI: [10.1093/nar/gkq1027](https://doi.org/10.1093/nar/gkq1027)

Citation Report

#	ARTICLE	IF	CITATIONS
2	MicroRNA Regulation of Angiogenesis and Arteriogenesis. Trends in Cardiovascular Medicine, 2010, 20, 253-262.	4.9	18
3	Serum microRNAs as non-invasive biomarkers for cancer. Molecular Cancer, 2010, 9, 306.	19.2	369
4	miRNA therapeutics: delivery and biological activity of peptide nucleic acids targeting miRNAs. Epigenomics, 2011, 3, 733-745.	2.1	39
5	Vive la différence: biogenesis and evolution of microRNAs in plants and animals. Genome Biology, 2011, 12, 221.	9.6	393
6	Towards an environment for data mining based analysis processes in bioinformatics & personalized medicine. , 2011, , .		6
7	imiRTP: An Integrated Method to Identifying miRNA-target Interactions in Arabidopsis thaliana. , 2011, , .		3
8	MicroRNA expression analysis reveals significant biological pathways in human prostate cancer. , 2011, , .		1
9	Gene sets enrichment analysis of miRNA expression profile. , 2011, , .		0
10	The control of developmental phase transitions in plants. Development (Cambridge), 2011, 138, 4117-4129.	2.5	540
11	Integrating contextual miRNA and protein signatures for diagnostic and treatment decisions in cancer. Expert Review of Molecular Diagnostics, 2011, 11, 813-827.	3.1	36
13	G-DOC: A Systems Medicine Platform for Personalized Oncology. Neoplasia, 2011, 13, 771-783.	5.3	58
14	Aberrant epigenetic grooming of miRNAs in pancreatic cancer: a systems biology perspective. Epigenomics, 2011, 3, 747-759.	2.1	19
15	MicroRNAs and their isomiRs function cooperatively to target common biological pathways. Genome Biology, 2011, 12, R126.	9.6	297
16	Genome sequence of an Australian kangaroo, <i>Macropus eugenii</i> , provides insight into the evolution of mammalian reproduction and development. Genome Biology, 2011, 12, R81.	9.6	167
17	The Monarch Butterfly Genome Yields Insights into Long-Distance Migration. Cell, 2011, 147, 1171-1185.	28.9	509
18	Mirtrons: microRNA biogenesis via splicing. Biochimie, 2011, 93, 1897-1904.	2.6	246
19	Characterization and application of small RNAs and RNA silencing mechanisms in fungi. Fungal Biology Reviews, 2011, 25, 172-180.	4.7	16
20	Deep sequencing of small RNAs from human skin reveals major alterations in the psoriasis miRNAome. Human Molecular Genetics, 2011, 20, 4025-4040.	2.9	213

#	ARTICLE	IF	CITATIONS
21	Biogenic mechanisms and utilization of small RNAs derived from human protein-coding genes. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 1075-1082.	8.2	94
22	MicroRNA in TLR signaling and endotoxin tolerance. <i>Cellular and Molecular Immunology</i> , 2011, 8, 388-403.	10.5	272
23	MicroRNAs as Post-Transcriptional Machines and their Interplay with Cellular Networks. <i>Advances in Experimental Medicine and Biology</i> , 2011, 722, 59-74.	1.6	78
24	Nanopore-based detection of circulating microRNAs in lung cancer patients. <i>Nature Nanotechnology</i> , 2011, 6, 668-674.	31.5	423
25	A Primate Herpesvirus Uses the Integrator Complex to Generate Viral MicroRNAs. <i>Molecular Cell</i> , 2011, 43, 982-992.	9.7	106
26	MicroRNA“offset RNAs (moRNAs): by-product spectators or functional players?. <i>Trends in Molecular Medicine</i> , 2011, 17, 473-474.	6.7	34
27	MicroRNA function and neurotrophin BDNF. <i>Neurochemistry International</i> , 2011, 59, 551-558.	3.8	52
28	Implementation of a de novo genome-wide computational approach for updating <i>Brachypodium</i> miRNAs. <i>Genomics</i> , 2011, 97, 282-293.	2.9	17
29	Genome-wide identification of novel microRNAs and their target genes in the human parasite <i>Schistosoma mansoni</i> . <i>Genomics</i> , 2011, 98, 96-111.	2.9	83
30	Distant cis-regulatory elements in human skeletal muscle differentiation. <i>Genomics</i> , 2011, 98, 401-411.	2.9	21
31	Transcriptional regulation of co-expressed microRNA target genes. <i>Genomics</i> , 2011, 98, 445-452.	2.9	43
32	snoU6 and 5S RNAs are not reliable miRNA reference genes in neuronal differentiation. <i>Neuroscience</i> , 2011, 199, 32-43.	2.3	29
33	Targeting miR-375 in gastric cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2011, 15, 961-972.	3.4	27
34	The Mutational Landscape of Head and Neck Squamous Cell Carcinoma. <i>Science</i> , 2011, 333, 1157-1160.	12.6	2,225
35	The genome of <i>Tetranychus urticae</i> reveals herbivorous pest adaptations. <i>Nature</i> , 2011, 479, 487-492.	27.8	897
36	Response, Tolerance and Adaptation to Abiotic Stress of Olive, Grapevine and Chestnut in the Mediterranean Region: Role of Absciscic Acid, Nitric Oxide and MicroRNAs. , 2011, , .		3
37	Gene Modulation by Peptide Nucleic Acids (PNAs) Targeting microRNAs (miRs). , 0, , .		4
38	Role of MicroRNAs in Insect Host“Microorganism Interactions. <i>Frontiers in Physiology</i> , 2011, 2, 48.	2.8	79

#	ARTICLE	IF	CITATIONS
39	Systems-Biology Approaches to Discover Anti-Viral Effectors of the Human Innate Immune Response. <i>Viruses</i> , 2011, 3, 1112-1130.	3.3	9
40	MicroRNA Genes Derived from Repetitive Elements and Expanded by Segmental Duplication Events in Mammalian Genomes. <i>PLoS ONE</i> , 2011, 6, e17666.	2.5	77
41	MicroRNA Expression Profiling Reveals MiRNA Families Regulating Specific Biological Pathways in Mouse Frontal Cortex and Hippocampus. <i>PLoS ONE</i> , 2011, 6, e21495.	2.5	71
42	Overexpression of the Lung Cancer-Prognostic miR-146b MicroRNAs Has a Minimal and Negative Effect on the Malignant Phenotype of A549 Lung Cancer Cells. <i>PLoS ONE</i> , 2011, 6, e22379.	2.5	37
43	miR-143 Overexpression Impairs Growth of Human Colon Carcinoma Xenografts in Mice with Induction of Apoptosis and Inhibition of Proliferation. <i>PLoS ONE</i> , 2011, 6, e23787.	2.5	95
44	Mutagen-Specific Mutation Signature Determines Global microRNA Binding. <i>PLoS ONE</i> , 2011, 6, e27400.	2.5	9
45	Emerging Role of MicroRNAs in Drug-Resistant Breast Cancer. <i>Gene Expression</i> , 2011, 15, 141-151.	1.2	36
46	A Conserved Long Noncoding RNA Affects Sleep Behavior in <i>Drosophila</i> . <i>Genetics</i> , 2011, 189, 455-468.	2.9	75
47	Naming 'junk': Human non-protein coding RNA (ncRNA) gene nomenclature. <i>Human Genomics</i> , 2011, 5, 90.	2.9	160
48	Expression of microRNAs: potential molecular link between obesity, diabetes and cancer. <i>Obesity Reviews</i> , 2011, 12, 1050-1062.	6.5	54
49	MicroRNAs en route to the clinic: progress in validating and targeting microRNAs for cancer therapy. <i>Nature Reviews Cancer</i> , 2011, 11, 849-864.	28.4	870
50	Evolution of microRNA diversity and regulation in animals. <i>Nature Reviews Genetics</i> , 2011, 12, 846-860.	16.3	645
51	Long non-coding RNAs are expressed in oral mucosa and altered in oral premalignant lesions. <i>Oral Oncology</i> , 2011, 47, 1055-1061.	1.5	74
52	MicroRNA regulation in angiogenesis. <i>Vascular Pharmacology</i> , 2011, 55, 79-86.	2.1	155
53	Employing machine learning for reliable miRNA target identification in plants. <i>BMC Genomics</i> , 2011, 12, 636.	2.8	32
54	MicroRNAs in rheumatoid arthritis. <i>FEBS Letters</i> , 2011, 585, 3667-3674.	2.8	88
55	Targeting microRNAs involved in human diseases: A novel approach for modification of gene expression and drug development. <i>Biochemical Pharmacology</i> , 2011, 82, 1416-1429.	4.4	100
56	Age-associated changes in expression of small, noncoding RNAs, including microRNAs, in <i>C. elegans</i> . <i>Rna</i> , 2011, 17, 1804-1820.	3.5	142

#	ARTICLE	IF	CITATIONS
57	Micromanaging Vascular Smooth Muscle Cell Differentiation and Phenotypic Modulation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2370-2377.	2.4	203
58	MicroRNA regulation of innate immune responses in epithelial cells. Cellular and Molecular Immunology, 2011, 8, 371-379.	10.5	108
59	Local and global factors affecting RNA sequencing analysis. Analytical Biochemistry, 2011, 419, 317-322.	2.4	45
60	Viruses and microRNAs: a toolbox for systematic analysis. Wiley Interdisciplinary Reviews RNA, 2011, 2, 787-801.	6.4	8
61	The discovery approaches and detection methods of microRNAs. Molecular Biology Reports, 2011, 38, 4125-4135.	2.3	53
62	Molecular imaging of microRNAs. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 1572-1579.	6.4	47
63	Beyond Genome-Wide Association Studies: New Strategies for Identifying Genetic Determinants of Hypertension. Current Hypertension Reports, 2011, 13, 442-451.	3.5	35
64	Deciphering causal and statistical relations of molecular aberrations and gene expressions in NCI-60 cell lines. BMC Systems Biology, 2011, 5, 186.	3.0	7
65	Replication competent HIV-1 viruses that express intragenomic microRNA reveal discrete RNA-interference mechanisms that affect viral replication. Cell and Bioscience, 2011, 1, 38.	4.8	12
66	miRFam: an effective automatic miRNA classification method based on n-grams and a multiclass SVM. BMC Bioinformatics, 2011, 12, 216.	2.6	29
67	Identification and characterization of microRNAs from Phaeodactylum tricornutum by high-throughput sequencing and bioinformatics analysis. BMC Genomics, 2011, 12, 337.	2.8	55
68	A genome-wide survey for SNPs altering microRNA seed sites identifies functional candidates in GWAS. BMC Genomics, 2011, 12, 504.	2.8	78
69	Functional complementation between transcriptional methylation regulation and post-transcriptional microRNA regulation in the human genome. BMC Genomics, 2011, 12, S15.	2.8	52
70	Next-generation sequencing of the Chinese hamster ovary microRNA transcriptome: Identification, annotation and profiling of microRNAs as targets for cellular engineering. Journal of Biotechnology, 2011, 153, 62-75.	3.8	102
71	Comprehensive analysis of microRNA genomic loci identifies pervasive repetitive-element origins. Mobile Genetic Elements, 2011, 1, 8-17.	1.8	69
72	Predicting KRAS-targeting MicroRNAs using in silico approach. , 2011, , .		1
73	The 2011 Nucleic Acids Research Database Issue and the online Molecular Biology Database Collection. Nucleic Acids Research, 2011, 39, D1-D6.	14.5	70
74	The MyomiR Network in Skeletal Muscle Plasticity. Exercise and Sport Sciences Reviews, 2011, 39, 150-154.	3.0	145

#	ARTICLE	IF	CITATIONS
75	Selective MicroRNA Suppression in Human Thoracic Aneurysms. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 605-613.	5.1	107
76	MicroRNA Sequence Variation Potentially Contributes to Within-Species Functional Divergence in the Nematode <i>Caenorhabditis briggsae</i> . <i>Genetics</i> , 2011, 189, 967-976.	2.9	16
77	A Comprehensive Expression Profile of MicroRNAs in Porcine Pituitary. <i>PLoS ONE</i> , 2011, 6, e24883.	2.5	22
78	MicroRNA-9. <i>RNA Biology</i> , 2011, 8, 557-564.	3.1	151
79	Species-specific microRNA roles elucidated following astrocyte activation. <i>Nucleic Acids Research</i> , 2011, 39, 3710-3723.	14.5	73
80	Down-Regulation of ATP-Binding Cassette C2 Protein Expression in HepG2 Cells after Rifampicin Treatment Is Mediated by MicroRNA-379. <i>Molecular Pharmacology</i> , 2011, 80, 314-320.	2.3	74
81	Identification and remediation of biases in the activity of RNA ligases in small-RNA deep sequencing. <i>Nucleic Acids Research</i> , 2011, 39, e141-e141.	14.5	219
82	Discovery of MicroRNA conservative sites in <i>drosophila melanogaster</i> . , 2011, , .		0
83	RNAcentral: A vision for an international database of RNA sequences. <i>Rna</i> , 2011, 17, 1941-1946.	3.5	67
84	Label-free high-throughput microRNA expression profiling from total RNA. <i>Nucleic Acids Research</i> , 2011, 39, e154-e154.	14.5	97
85	A genome-wide CNV association study on panic disorder in a Japanese population. <i>Journal of Human Genetics</i> , 2011, 56, 852-856.	2.3	30
86	Unusually effective microRNA targeting within repeat-rich coding regions of mammalian mRNAs. <i>Genome Research</i> , 2011, 21, 1395-1403.	5.5	123
87	miR393: Integrator of environmental cues in auxin signaling?. <i>Plant Signaling and Behavior</i> , 2011, 6, 1672-1675.	2.4	44
88	Uncovering MicroRNA and Transcription Factor Mediated Regulatory Networks in Glioblastoma. <i>PLoS Computational Biology</i> , 2012, 8, e1002488.	3.2	124
89	Flexible and Versatile as a Chameleon—Sophisticated Functions of microRNA-199a. <i>International Journal of Molecular Sciences</i> , 2012, 13, 8449-8466.	4.1	62
90	A Survey of MicroRNA Length Variants Contributing to miRNome Complexity in Peach ( <i>Prunus Persica</i> ) Tj ETQq1 1 0.784314 µgBT /Over	3.6	15
91	EBV and human microRNAs co-target oncogenic and apoptotic viral and human genes during latency. <i>EMBO Journal</i> , 2012, 31, 2207-2221.	7.8	268
92	Virus-Encoded microRNAs: An Overview and a Look to the Future. <i>PLoS Pathogens</i> , 2012, 8, e1003018.	4.7	334

#	ARTICLE	IF	CITATIONS
93	MicroRNAs as Diagnostic Biomarkers in Gastric Cancer. International Journal of Molecular Sciences, 2012, 13, 12544-12555.	4.1	39
94	Extent, Causes, and Consequences of Small RNA Expression Variation in Human Adipose Tissue. PLoS Genetics, 2012, 8, e1002704.	3.5	48
95	Non-Coding RNAs in Retinal Development. International Journal of Molecular Sciences, 2012, 13, 558-578.	4.1	32
96	Multiple microRNAs induced by Cdx1 suppress Cdx2 in human colorectal tumour cells. Biochemical Journal, 2012, 447, 449-455.	3.7	9
97	Selection on Synonymous Sites for Increased Accessibility around miRNA Binding Sites in Plants. Molecular Biology and Evolution, 2012, 29, 3037-3044.	8.9	57
98	A miRNA-regulatory network explains how dysregulated miRNAs perturb oncogenic processes across diverse cancers. Genome Research, 2012, 22, 2302-2314.	5.5	184
99	Bioinformatic Identification of Novel Elements Potentially Involved in Messenger RNA Fate Control During Spermatogenesis1. Biology of Reproduction, 2012, 87, 138.	2.7	2
100	Extracellular small RNAs: what, where, why?. Biochemical Society Transactions, 2012, 40, 886-890.	3.4	77
101	ncPRO-seq: a tool for annotation and profiling of ncRNAs in sRNA-seq data. Bioinformatics, 2012, 28, 3147-3149.	4.1	91
102	Evolution and function of the extended miR-2 microRNA family. RNA Biology, 2012, 9, 242-248.	3.1	79
103	Comparative analysis of human and mouse expression data illuminates tissue-specific evolutionary patterns of miRNAs. Nucleic Acids Research, 2012, 40, 5890-5900.	14.5	48
104	Loss of SNAIL Regulated miR-128-2 on Chromosome 3p22.3 Targets Multiple Stem Cell Factors to Promote Transformation of Mammary Epithelial Cells. Cancer Research, 2012, 72, 6036-6050.	0.9	78
105	Degradation of Cellular miR-27 by a Novel, Highly Abundant Viral Transcript Is Important for Efficient Virus Replication In Vivo. PLoS Pathogens, 2012, 8, e1002510.	4.7	179
106	Deep Annotation of Populus trichocarpa microRNAs from Diverse Tissue Sets. PLoS ONE, 2012, 7, e33034.	2.5	63
107	Orbld. Mobile Genetic Elements, 2012, 2, 184-192.	1.8	25
108	Zcchc11 Uridylates Mature miRNAs to Enhance Neonatal IGF-1 Expression, Growth, and Survival. PLoS Genetics, 2012, 8, e1003105.	3.5	49
109	Genome-Wide Analysis of mir-548 Gene Family Reveals Evolutionary and Functional Implications. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-8.	3.0	76
110	Rlsearch: fast RNA-RNA interaction search using a simplified nearest-neighbor energy model. Bioinformatics, 2012, 28, 2738-2746.	4.1	79

#	ARTICLE	IF	CITATIONS
111	Widespread occurrence of 5-methylcytosine in human coding and non-coding RNA. Nucleic Acids Research, 2012, 40, 5023-5033.	14.5	793
112	Integrative analysis of gene and miRNA expression profiles with transcription factorâ€”miRNA feed-forward loops identifies regulators in human cancers. Nucleic Acids Research, 2012, 40, e135-e135.	14.5	76
113	Gene Expression Atlas updateâ€”a value-added database of microarray and sequencing-based functional genomics experiments. Nucleic Acids Research, 2012, 40, D1077-D1081.	14.5	143
114	DIANA miRPath v.2.0: investigating the combinatorial effect of microRNAs in pathways. Nucleic Acids Research, 2012, 40, W498-W504.	14.5	486
115	Environmental Toxicant Exposure and the Epigenome. Advances in Molecular Toxicology, 2012, , 129-162.	0.4	5
116	Deep annotation of mouse iso-miR and iso-moR variation. Nucleic Acids Research, 2012, 40, 5864-5875.	14.5	82
117	A novel source for miR-21 expression through the alternative polyadenylation of VMP1 gene transcripts. Nucleic Acids Research, 2012, 40, 6821-6833.	14.5	79
118	The Therapeutic Potential of MicroRNAs in Cancer. Cancer Journal (Sudbury, Mass ), 2012, 18, 275-284.	2.0	97
119	Detection of microRNAs in color space. Bioinformatics, 2012, 28, 318-323.	4.1	63
120	Prioritizing cancer-related key miRNAâ€”target interactions by integrative genomics. Nucleic Acids Research, 2012, 40, 7653-7665.	14.5	30
121	deepBlockAlign: a tool for aligning RNA-seq profiles of read block patterns. Bioinformatics, 2012, 28, 17-24.	4.1	19
122	Hybridization-based reconstruction of small non-coding RNA transcripts from deep sequencing data. Nucleic Acids Research, 2012, 40, 7633-7643.	14.5	10
123	Small RNA deep sequencing reveals a distinct miRNA signature released in exosomes from prion-infected neuronal cells. Nucleic Acids Research, 2012, 40, 10937-10949.	14.5	402
124	GPSy: a cross-species gene prioritization system for conserved biological processesâ€”application in male gamete development. Nucleic Acids Research, 2012, 40, W458-W465.	14.5	20
125	Microparticles: major transport vehicles for distinct microRNAs in circulation. Cardiovascular Research, 2012, 93, 633-644.	3.8	418
126	Post-developmental microRNA expression is required for normal physiology, and regulates aging in parallel to insulin/IGF-1 signaling in <i>C. elegans</i> . Rna, 2012, 18, 2220-2235.	3.5	48
127	PolymiRTS Database 2.0: linking polymorphisms in microRNA target sites with human diseases and complex traits. Nucleic Acids Research, 2012, 40, D216-D221.	14.5	116
128	Unraveling multiple miRNA-mRNA associations through a graph-based approach. , 2012, , .		1



#	ARTICLE	IF	CITATIONS
129	NONCODE v3.0: integrative annotation of long noncoding RNAs. Nucleic Acids Research, 2012, 40, D210-D215.	14.5	383
130	Grass MicroRNA Gene Paleohistory Unveils New Insights into Gene Dosage Balance in Subgenome Partitioning after Whole-Genome Duplication. Plant Cell, 2012, 24, 1776-1792.	6.6	53
131	NCBI Reference Sequences (RefSeq): current status, new features and genome annotation policy. Nucleic Acids Research, 2012, 40, D130-D135.	14.5	1,027
132	A New Database (GCD) on Genome Composition for Eukaryote and Prokaryote Genome Sequences and Their Initial Analyses. Genome Biology and Evolution, 2012, 4, 501-512.	2.5	16
133	Novel and Alternative Bioinformatics Approaches to Understand miRNA-mRNA Interactome in Cancer Research. , 2012, , 267-288.		0
134	Current Progress on Understanding MicroRNAs in Glioblastoma Multiforme. Genes and Cancer, 2012, 3, 3-15.	1.9	132
135	GeneCodis3: a non-redundant and modular enrichment analysis tool for functional genomics. Nucleic Acids Research, 2012, 40, W478-W483.	14.5	515
136	Liver-specific microRNA-122: Biogenesis and function. RNA Biology, 2012, 9, 137-142.	3.1	349
137	Circulating miRNA profiling to identify biomarkers of dysmetabolism. Biomarkers in Medicine, 2012, 6, 729-742.	1.4	13
138	MicroRNAs 125a and 455 Repress Lipoprotein-Supported Steroidogenesis by Targeting Scavenger Receptor Class B Type I in Steroidogenic Cells. Molecular and Cellular Biology, 2012, 32, 5035-5045.	2.3	102
139	A Unilateral Negative Feedback Loop Between<i>miR-200</i>microRNAs and Sox2/E2F3 Controls Neural Progenitor Cell-Cycle Exit and Differentiation. Journal of Neuroscience, 2012, 32, 13292-13308.	3.6	98
140	MicroRNAs in Amoebozoa: Deep sequencing of the small RNA population in the social amoeba <i>Dictyostelium discoideum</i> reveals developmentally regulated microRNAs. Rna, 2012, 18, 1771-1782.	3.5	42
141	SNPNexus: a web server for functional annotation of novel and publicly known genetic variants (2012) Tj ETQq0 0 0 rgBT /Overlock 10 T	14.5	161
142	PAREsnip: a tool for rapid genome-wide discovery of small RNA/target interactions evidenced through degradome sequencing. Nucleic Acids Research, 2012, 40, e103-e103.	14.5	96
143	miRNEST database: an integrative approach in microRNA search and annotation. Nucleic Acids Research, 2012, 40, D198-D204.	14.5	52
144	miRGator v3.0: a microRNA portal for deep sequencing, expression profiling and mRNA targeting. Nucleic Acids Research, 2012, 41, D252-D257.	14.5	140
145	Circulating Micro-RNAs as Potential Blood-Based Markers for Early Stage Breast Cancer Detection. PLoS ONE, 2012, 7, e29770.	2.5	219
146	Integrative Analysis in Oral Squamous Cell Carcinoma Reveals DNA Copy Numberâ€‘Associated miRNAs Dysregulating Target Genes. Otolaryngology - Head and Neck Surgery, 2012, 147, 501-508.	1.9	17

#	ARTICLE	IF	CITATIONS
147	A comprehensive analysis of precursor microRNA cleavage by human Dicer. <i>Rna</i> , 2012, 18, 2083-2092.	3.5	96
148	MicroRNA Transgene Overexpression Complements Deficiency-Based Modifier Screens in <i>Drosophila</i> . <i>Genetics</i> , 2012, 190, 617-626.	2.9	30
149	Involvement of miRNAs in ovarian follicular and luteal development. <i>Journal of Endocrinology</i> , 2012, 215, 323-334.	2.6	164
150	Translation Efficiency in Upstream Region of microRNA Targets in <i>Arabidopsis thaliana</i> . <i>Evolutionary Bioinformatics</i> , 2012, 8, EBO.S10362.	1.2	6
151	PsRobot: a web-based plant small RNA meta-analysis toolbox. <i>Nucleic Acids Research</i> , 2012, 40, W22-W28.	14.5	448
152	RNA regulons and the RNA-protein interaction network. <i>Biomolecular Concepts</i> , 2012, 3, 403-414.	2.2	22
153	Mechanistic Roles of Noncoding RNAs in Lung Cancer Biology and Their Clinical Implications. <i>Genetics Research International</i> , 2012, 2012, 1-16.	2.0	78
154	miRmap: Comprehensive prediction of microRNA target repression strength. <i>Nucleic Acids Research</i> , 2012, 40, 11673-11683.	14.5	322
155	CellBase, a comprehensive collection of RESTful web services for retrieving relevant biological information from heterogeneous sources. <i>Nucleic Acids Research</i> , 2012, 40, W609-W614.	14.5	31
156	MicroRNA-204 regulates vascular smooth muscle cell calcification in vitro and in vivo. <i>Cardiovascular Research</i> , 2012, 96, 320-329.	3.8	152
157	Defining and providing robust controls for microRNA prediction. <i>Bioinformatics</i> , 2012, 28, 1058-1061.	4.1	31
158	In vitro quantification of specific microRNA using molecular beacons. <i>Nucleic Acids Research</i> , 2012, 40, e13-e13.	14.5	102
159	pre-miRNA profiles obtained through application of locked nucleic acids and deep sequencing reveals complex 5' arm variation including concomitant cleavage and polyuridylation patterns. <i>Nucleic Acids Research</i> , 2012, 40, 1424-1437.	14.5	30
160	MicroRNAs are exported from malignant cells in customized particles. <i>Nucleic Acids Research</i> , 2012, 40, 9125-9138.	14.5	198
161	Deep sequencing of RNA from immune cell-derived vesicles uncovers the selective incorporation of small non-coding RNA biotypes with potential regulatory functions. <i>Nucleic Acids Research</i> , 2012, 40, 9272-9285.	14.5	595
162	mirEX: a platform for comparative exploration of plant pri-miRNA expression data. <i>Nucleic Acids Research</i> , 2012, 40, D191-D197.	14.5	50
163	Advantages of genomic complexity: bioinformatics opportunities in microRNA cancer signatures: Figure 1. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012, 19, 156-160.	4.4	26
164	Epigenetics. <i>Transplantation</i> , 2012, 94, 1-7.	1.0	28

#	ARTICLE	IF	CITATIONS
165	Myelin Basic Protein synthesis is regulated by small non-coding RNA 715. EMBO Reports, 2012, 13, 827-834.	4.5	31
166	Probing Evolutionary Biography of MicroRNAs and Associated Factors. Current Genomics, 2012, 13, 144-152.	1.6	7
167	Systems Biology Approaches Reveal New Insights into Mechanisms Regulating Fresh Fruit Quality. , 2012, , 218-243.		0
168	Do miRNAs hold the key to controlling EBV-driven tumorigenesis?. Future Virology, 2012, 7, 1045-1049.	1.8	1
169	A Simple Method for Analyzing Actives in Random RNAi Screens: Introducing the "H Score" for Hit Nomination & Gene Prioritization. Combinatorial Chemistry and High Throughput Screening, 2012, 15, 686-704.	1.1	24
170	MicroRNA in Aging: From Discovery to Biology. Current Genomics, 2012, 13, 548-557.	1.6	103
171	MicroRNAs play critical roles during plant development and in response to abiotic stresses. Genetics and Molecular Biology, 2012, 35, 1069-1077.	1.3	108
172	Peptide nucleic acids targeting miR-221 modulate p27Kip1 expression in breast cancer MDA-MB-231 cells. International Journal of Oncology, 2012, 41, 2119-2127.	3.3	67
173	A MicroRNA Superfamily Regulates Nucleotide Binding Site "Leucine-Rich Repeats and Other mRNAs. Plant Cell, 2012, 24, 859-874.	6.6	697
174	A New Level of Complexity. Circulation Research, 2012, 110, 1000-1013.	4.5	95
175	Method for microRNA isolation from clinical serum samples. Analytical Biochemistry, 2012, 431, 69-75.	2.4	105
176	The functions of microRNAs in pluripotency and reprogramming. Nature Cell Biology, 2012, 14, 1114-1121.	10.3	130
177	Online Tools for Bioinformatics Analyses in Nutrition Sciences. Advances in Nutrition, 2012, 3, 654-665.	6.4	13
178	MMpred: functional miRNA " mRNA interaction analyses by miRNA expression prediction. BMC Genomics, 2012, 13, 620.	2.8	10
179	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>). New Phytologist, 2012, 196, 149-161.	7.3	209
180	Genomic dissection of small <sc>RNA</sc>s in wild rice (<i>Oryza rufipogon</i>): lessons for rice domestication. New Phytologist, 2012, 196, 914-925.	7.3	33
181	Systematic identification of edited microRNAs in the human brain. Genome Research, 2012, 22, 1533-1540.	5.5	163
182	The Rice Genome Knowledgebase (RGKbase): an annotation database for rice comparative genomics and evolutionary biology. Nucleic Acids Research, 2012, 41, D1199-D1205.	14.5	25

#	ARTICLE	IF	CITATIONS
183	Integrated miRNA, mRNA and protein expression analysis reveals the role of post-transcriptional regulation in controlling CHO cell growth rate. BMC Genomics, 2012, 13, 656.	2.8	70
184	microRNAs in skeletal muscle differentiation and disease. Clinical Science, 2012, 123, 611-625.	4.3	75
185	Feedback networks between microRNAs and epigenetic modifications in urological tumors. Epigenetics, 2012, 7, 315-325.	2.7	30
186	Human RNA Methyltransferase BCDIN3D Regulates MicroRNA Processing. Cell, 2012, 151, 278-288.	28.9	131
187	Construction of short tandem target mimic (STTM) to block the functions of plant and animal microRNAs. Methods, 2012, 58, 118-125.	3.8	148
188	Functional Characterization of <i>Drosophila</i> microRNAs by a Novel <i>In Vivo</i> Library. Genetics, 2012, 192, 1543-1552.	2.9	45
189	Fibroblast Growth Factor (FGF) Signaling during Gastrulation Negatively Modulates the Abundance of MicroRNAs That Regulate Proteins Required for Cell Migration and Embryo Patterning. Journal of Biological Chemistry, 2012, 287, 38505-38514.	3.4	25
190	Apple miRNAs and tasiRNAs with novel regulatory networks. Genome Biology, 2012, 13, R47.	9.6	272
191	MicroRNAs and their targets: recognition, regulation and an emerging reciprocal relationship. Nature Reviews Genetics, 2012, 13, 271-282.	16.3	1,406
192	Do miRNAs have a deep evolutionary history?. BioEssays, 2012, 34, 857-866.	2.5	96
193	Genome-wide analysis of microRNAs in rubber tree ( <i>Hevea brasiliensis</i> L.) using high-throughput sequencing. Planta, 2012, 236, 437-445.	3.2	41
194	Overexpression of Arabidopsis miR157b induces bushy architecture and delayed phase transition in <i>Torenia fournieri</i> . Planta, 2012, 236, 1027-1035.	3.2	54
195	Exploring the evolutionary differences of SBP-box genes targeted by miR156 and miR529 in plants. Genetica, 2012, 140, 317-324.	1.1	27
196	Role of MicroRNAs in Lung Disease. Archivos De Bronconeumologia, 2012, 48, 325-330.	0.8	37
197	Rol de los microARN en las enfermedades pulmonares. Archivos De Bronconeumologia, 2012, 48, 325-330.	0.8	70
198	The Loop Position of shRNAs and Pre-miRNAs Is Critical for the Accuracy of Dicer Processing <i>In Vivo</i> . Cell, 2012, 151, 900-911.	28.9	266
199	CapSeq and CIP-TAP Identify Pol II Start Sites and Reveal Capped Small RNAs as <i>C. elegans</i> piRNA Precursors. Cell, 2012, 151, 1488-1500.	28.9	192
200	An <i>In Vivo</i> Functional Screen Uncovers miR-150-Mediated Regulation of Hematopoietic Injury Response. Cell Reports, 2012, 2, 1048-1060.	6.4	42

#	ARTICLE	IF	CITATIONS
201	Circulating microRNAs as novel and sensitive biomarkers of acute myocardial Infarction. Clinical Biochemistry, 2012, 45, 727-732.	1.9	110
202	GeneSetDB: A comprehensive meta-database, statistical and visualisation framework for gene set analysis. FEBS Open Bio, 2012, 2, 76-82.	2.3	69
203	Barcoded cDNA library preparation for small RNA profiling by next-generation sequencing. Methods, 2012, 58, 164-170.	3.8	114
204	Methods for validation of miRNA sequence variants and the cleavage of their targets. Methods, 2012, 58, 135-143.	3.8	22
205	Identification and comparative profiling of microRNAs in wild-type Xanthoceras sorbifolia and its double flower mutant. Genes and Genomics, 2012, 34, 561-568.	1.4	14
206	Non-coding RNA in Neurodegeneration. Current Geriatrics Reports, 2012, 1, 219-228.	1.1	0
207	Prediction of miRNA in HIV-1 genome and its targets through artificial neural network: a bioinformatics approach. Network Modeling Analysis in Health Informatics and Bioinformatics, 2012, 1, 141-151.	2.1	8
208	Classification of Real and Pseudo pre-miRNAs in Plant Species. Procedia Computer Science, 2012, 11, 17-23.	2.0	3
209	MicroRNAs and neuronal development. Seminars in Fetal and Neonatal Medicine, 2012, 17, 347-352.	2.3	29
210	LIN28 Binds Messenger RNAs at GGAGA Motifs and Regulates Splicing Factor Abundance. Molecular Cell, 2012, 48, 195-206.	9.7	267
211	Non-coding transcription characterization and annotation. RNA Biology, 2012, 9, 274-282.	3.1	45
212	Pre-miRNA classification via combinatorial feature mining and boosting. , 2012, , .		2
213	Airway Epithelial miRNA Expression Is Altered in Asthma. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 965-974.	5.6	222
214	Predicting mRNA targets for HSV-1 miRNAs. , 2012, , .		0
215	An integrative framework for identifying consistent microRNA expression signatures associated with clear cell renal cell carcinoma. , 2012, , .		0
216	Computational analysis of PTEN-targeting microRNAs. , 2012, , .		0
217	Effective clustering of microRNA sequences by N-grams and feature weighting. , 2012, , .		2
218	Discovering the first microRNA-targeted drug. Journal of Cell Biology, 2012, 199, 407-412.	5.2	256

#	ARTICLE	IF	CITATIONS
219	Papillary Thyroid Carcinoma in Pregnancy: A Variant of the Disease?. <i>Annals of Surgical Oncology</i> , 2012, 19, 4210-4216.	1.5	15
220	Expression of platelet-derived growth factor-C and insulin-like growth factor I in hepatic stellate cells is inhibited by miR-29. <i>Laboratory Investigation</i> , 2012, 92, 978-987.	3.7	75
221	MECHANISMS IN ENDOCRINOLOGY: Micro-RNAs: targets for enhancing osteoblast differentiation and bone formation. <i>European Journal of Endocrinology</i> , 2012, 166, 359-371.	3.7	125
222	A-to-I editing of microRNAs: Regulating the regulators?. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 251-257.	5.0	17
223	miRNAs and estrogen action. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 223-233.	7.1	177
224	Identification of long non-protein coding RNAs in chicken skeletal muscle using next generation sequencing. <i>Genomics</i> , 2012, 99, 292-298.	2.9	173
225	Relax with CouchDB – Into the non-relational DBMS era of bioinformatics. <i>Genomics</i> , 2012, 100, 1-7.	2.9	32
226	microRNAs in cardiovascular development. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 949-957.	1.9	90
227	Deep sequencing of small RNAs confirms an annelid affinity of Myzostomida. <i>Molecular Phylogenetics and Evolution</i> , 2012, 64, 198-203.	2.7	28
228	Adenosine deaminases that act on RNA induce reproducible changes in abundance and sequence of embryonic miRNAs. <i>Genome Research</i> , 2012, 22, 1468-1476.	5.5	80
229	Genome-wide identification of microRNAs in larch and stage-specific modulation of 11 conserved microRNAs and their targets during somatic embryogenesis. <i>Planta</i> , 2012, 236, 647-657.	3.2	137
230	N-myc and Noncoding RNAs in Neuroblastoma. <i>Molecular Cancer Research</i> , 2012, 10, 1243-1253.	3.4	59
231	The miR-29 family: genomics, cell biology, and relevance to renal and cardiovascular injury. <i>Physiological Genomics</i> , 2012, 44, 237-244.	2.3	439
232	Comparative analysis of somatic copy-number alterations across different human cancer types reveals two distinct classes of breakpoint hotspots. <i>Human Molecular Genetics</i> , 2012, 21, 4957-4965.	2.9	15
233	Regulatory RNAs in the light of Drosophila genomics. <i>Briefings in Functional Genomics</i> , 2012, 11, 356-365.	2.7	12
234	Dynamic MicroRNA Gene Transcription and Processing during T Cell Development. <i>Journal of Immunology</i> , 2012, 188, 3257-3267.	0.8	80
235	Understanding MicroRNA Regulation: A computational perspective. <i>IEEE Signal Processing Magazine</i> , 2012, 29, 77-88.	5.6	7
236	Plasma MicroRNA-21 Concentration May Be a Useful Biomarker in Glioblastoma Patients. <i>Cancer Investigation</i> , 2012, 30, 615-621.	1.3	60

#	ARTICLE	IF	CITATIONS
237	miR-EdiTar: a database of predicted A-to-I edited miRNA target sites. <i>Bioinformatics</i> , 2012, 28, 3166-3168.	4.1	28
238	Modeling evolutionary growth of a microRNA-mediated regulation system. <i>Journal of Theoretical Biology</i> , 2012, 311, 54-65.	1.7	2
239	From plant gene regulatory grids to network dynamics. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2012, 1819, 454-465.	1.9	41
240	<i>Porphyromonas gingivalis</i> lipopolysaccharide induces miR-146a without altering the production of inflammatory cytokines. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 918-925.	2.1	21
241	High-resolution melting (HRM) analysis for the detection of single nucleotide polymorphisms in microRNA target sites. <i>Clinica Chimica Acta</i> , 2012, 413, 1092-1097.	1.1	9
242	Epigenetic biomarkers: A new perspective in laboratory diagnostics. <i>Clinica Chimica Acta</i> , 2012, 413, 1576-1582.	1.1	45
243	Regulation of Monocyte Functional Heterogeneity by miR-146a and Relb. <i>Cell Reports</i> , 2012, 1, 317-324.	6.4	105
244	Identification and comparative analysis of the <i>Eriocheir sinensis</i> microRNA transcriptome response to <i>Spiroplasma eriocheiris</i> infection using a deep sequencing approach. <i>Fish and Shellfish Immunology</i> , 2012, 32, 345-352.	3.6	73
245	Do microRNAs regulate bone marrow stem cell niche physiology?. <i>Gene</i> , 2012, 497, 1-9.	2.2	18
246	Identification and characterization of microRNAs and their target genes in <i>Brassica oleracea</i> . <i>Gene</i> , 2012, 505, 300-308.	2.2	68
247	Expression analysis of miRNAs in BmN cells. <i>Gene</i> , 2012, 505, 240-245.	2.2	13
248	Characterization and discovery of novel miRNAs and moRNAs in JAK2V617F-mutated SET2 cells. <i>Blood</i> , 2012, 119, e120-e130.	1.4	34
249	In vivo structure–function analysis of human Dicer reveals directional processing of precursor miRNAs. <i>Rna</i> , 2012, 18, 1116-1122.	3.5	105
250	LIN28A Is a Suppressor of ER-Associated Translation in Embryonic Stem Cells. <i>Cell</i> , 2012, 151, 765-777.	28.9	208
251	miRNAs in cardiac disease: Sitting duck or moving target?. <i>IUBMB Life</i> , 2012, 64, 872-878.	3.4	8
252	Computational analysis of noncoding RNAs. <i>Wiley Interdisciplinary Reviews RNA</i> , 2012, 3, 759-778.	6.4	50
253	Roles of microRNAs in atherosclerosis and restenosis. <i>Journal of Biomedical Science</i> , 2012, 19, 79.	7.0	66
254	ncRNAclassifier: a tool for detection and classification of transposable element sequences in RNA hairpins. <i>BMC Bioinformatics</i> , 2012, 13, 246.	2.6	25



#	ARTICLE	IF	CITATIONS
255	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> . BMC Genomics, 2012, 13, 15.	2.8	69
256	Large-scale analysis of microRNA evolution. BMC Genomics, 2012, 13, 218.	2.8	52
257	Widespread uncoupling between transcriptome and translatome variations after a stimulus in mammalian cells. BMC Genomics, 2012, 13, 220.	2.8	113
258	Quantification and accurate normalisation of small RNAs through new custom RT-qPCR arrays demonstrates Salmonella-induced microRNAs in human monocytes. BMC Genomics, 2012, 13, 23.	2.8	50
259	Transcriptome analysis of microRNAs in developing cerebral cortex of rat. BMC Genomics, 2012, 13, 232.	2.8	42
260	Computational identification and analysis of novel sugarcane microRNAs. BMC Genomics, 2012, 13, 290.	2.8	63
261	Let-7b regulates the expression of the growth hormone receptor gene in deletion-type dwarf chickens. BMC Genomics, 2012, 13, 306.	2.8	59
262	A microRNA activity map of human mesenchymal tumors: connections to oncogenic pathways; an integrative transcriptomic study. BMC Genomics, 2012, 13, 332.	2.8	3
263	IntegratomeDB: an integrated system and biological search engine. BMC Genomics, 2012, 13, 35.	2.8	10
264	Characterization of microRNAs expression during maize seed development. BMC Genomics, 2012, 13, 360.	2.8	58
265	Analysis of plant-derived miRNAs in animal small RNA datasets. BMC Genomics, 2012, 13, 381.	2.8	123
266	Identification of common carp ( <i>Cyprinus carpio</i> ) microRNAs and microRNA-related SNPs. BMC Genomics, 2012, 13, 413.	2.8	50
267	Profiling microRNAs in lung tissue from pigs infected with <i>Actinobacillus pleuropneumoniae</i> . BMC Genomics, 2012, 13, 459.	2.8	54
268	Small RNA and transcriptome deep sequencing proffers insight into floral gene regulation in <i>Rosa</i> cultivars. BMC Genomics, 2012, 13, 657.	2.8	49
269	miRNA regulation in the early development of barley seed. BMC Plant Biology, 2012, 12, 120.	3.6	68
270	High throughput sequencing reveals novel and abiotic stress-regulated microRNAs in the inflorescences of rice. BMC Plant Biology, 2012, 12, 132.	3.6	157
271	Identification and profiling of novel microRNAs in the <i>Brassica rapa</i> genome based on small RNA deep sequencing. BMC Plant Biology, 2012, 12, 218.	3.6	37
272	miRFANs: an integrated database for Arabidopsis thaliana microRNA function annotations. BMC Plant Biology, 2012, 12, 68.	3.6	30



#	ARTICLE	IF	CITATIONS
273	Characterization of microRNA expression profiles in normal and osteoarthritic human chondrocytes. BMC Musculoskeletal Disorders, 2012, 13, 144.	1.9	156
274	MicroRNAs and hepatitis C virus: Toward the end of miR-122 supremacy. Virology Journal, 2012, 9, 109.	3.4	29
275	On the complexity of miRNA-mediated regulation in plants: novel insights into the genomic organization of plant miRNAs. Biology Direct, 2012, 7, 15.	4.6	15
276	Integrative transcriptome analysis suggest processing of a subset of long non-coding RNAs to small RNAs. Biology Direct, 2012, 7, 25.	4.6	71
277	Crosstalk between transcription factors and microRNAs in human protein interaction network. BMC Systems Biology, 2012, 6, 18.	3.0	53
278	“MicroRNA Targets”™, a new AthaMap web-tool for genome-wide identification of miRNA targets in Arabidopsis thaliana. BioData Mining, 2012, 5, 7.	4.0	23
279	Plasma profile of microRNA after supplementation with high doses of vitamin D3 for 12 months. BMC Research Notes, 2012, 5, 245.	1.4	42
280	Reducing ligation bias of small RNAs in libraries for next generation sequencing. Silence: A Journal of RNA Regulation, 2012, 3, 4.	8.1	176
281	MicroRNAs from the same precursor have different targeting properties. Silence: A Journal of RNA Regulation, 2012, 3, 8.	8.1	57
282	Four AUXIN RESPONSE FACTOR genes downregulated by microRNA167 are associated with growth and development in Oryza sativa. Functional Plant Biology, 2012, 39, 736.	2.1	59
283	Analysis of miR-376 cluster members in the mouse inner ear. International Journal of Experimental Pathology, 2012, 93, 450-457.	1.3	14
284	Target Prediction Algorithms and Bioinformatics Resources for miRNA Studies. , 2012, , 29-48.		1
285	Circulating MicroRNAs as Noninvasive Biomarkers in Breast Cancer. Recent Results in Cancer Research, 2012, 195, 151-161.	1.8	106
286	Involvement of miRNA in erythroid differentiation. Epigenomics, 2012, 4, 51-65.	2.1	54
287	The Long and Short of MicroRNAs in the Kidney. Journal of the American Society of Nephrology: JASN, 2012, 23, 400-404.	6.1	43
288	Genetic polymorphism at miR-181a binding site contributes to gastric cancer susceptibility. Carcinogenesis, 2012, 33, 2377-2383.	2.8	38
289	Comprehensive molecular portraits of human breast tumours. Nature, 2012, 490, 61-70.	27.8	10,282
290	MicroRNA-target interactions: new insights from genome-wide approaches. Annals of the New York Academy of Sciences, 2012, 1271, 118-128.	3.8	51

#	ARTICLE	IF	CITATIONS
291	A Catalogue of Glioblastoma and Brain MicroRNAs Identified by Deep Sequencing. OMICS A Journal of Integrative Biology, 2012, 16, 690-699.	2.0	51
292	Methods for Identifying Small RNA Genes. Advances in Insect Physiology, 2012, , 155-194.	2.7	0
293	A General Introduction to MicroRNAs, Their Investigation and Exploitation in CHO Cell Lines. , 2012, , 1-13.		0
294	Manipulating Levels of Specific MicroRNAs in Mammalian Cells. , 2012, , 113-121.		0
295	miRNAs in breast cancer: ready for real time?. Pharmacogenomics, 2012, 13, 709-719.	1.3	14
296	SVM-based miRNA: MiRNA&#x2217; duplex prediction. , 2012, , .		1
297	miRNA and tropism of human parvovirus B19. Computational Biology and Chemistry, 2012, 40, 1-6.	2.3	3
298	Genome-wide identification and profiling of microRNA-like RNAs from Metarhizium anisopliae during development. Fungal Biology, 2012, 116, 1156-1162.	2.5	91
299	Systematic investigation of Amphioxus (Branchiostoma floridae) microRNAs. Gene, 2012, 508, 110-116.	2.2	5
300	Biogenesis of Mammalian MicroRNAs: A Global View. Genomics, Proteomics and Bioinformatics, 2012, 10, 239-245.	6.9	112
301	MicroRNAs in Common Human Diseases. Genomics, Proteomics and Bioinformatics, 2012, 10, 246-253.	6.9	314
302	Finding MicroRNA Targets in Plants: Current Status and Perspectives. Genomics, Proteomics and Bioinformatics, 2012, 10, 264-275.	6.9	56
303	Predicting sRNAs and Their Targets in Bacteria. Genomics, Proteomics and Bioinformatics, 2012, 10, 276-284.	6.9	48
304	Restoration of E-cadherin expression in pancreatic ductal adenocarcinoma treated with microRNA-101. Surgery, 2012, 152, 704-713.	1.9	29
305	miRSeqNovel: An R based workflow for analyzing miRNA sequencing data. Molecular and Cellular Probes, 2012, 26, 208-211.	2.1	15
306	Translational study of microRNAs and its application in kidney disease and hypertension research. Clinical Science, 2012, 122, 439-447.	4.3	20
307	Fibrinogen gene regulation. Thrombosis and Haemostasis, 2012, 108, 419-426.	3.4	96
308	MicroRNAs in Opioid Pharmacology. Journal of NeuroImmune Pharmacology, 2012, 7, 808-819.	4.1	36

#	ARTICLE	IF	CITATIONS
309	Epstein-Barr Virus and the Pathogenesis of T and NK Lymphoma: a Mystery Unsolved. Current Hematologic Malignancy Reports, 2012, 7, 276-284.	2.3	25
310	Genomewide analysis of intronic microRNAs in rice and Arabidopsis. Journal of Genetics, 2012, 91, 313-324.	0.7	36
311	Epithelial mesenchymal transition in colorectal cancer: Seminal role in promoting disease progression and resistance to neoadjuvant therapy. Surgical Oncology, 2012, 21, 316-323.	1.6	51
312	Toward a combinatorial nature of microRNA regulation in human cells. Nucleic Acids Research, 2012, 40, 9404-9416.	14.5	40
313	Identification of circulating miRNA biomarkers based on global quantitative real-time PCR profiling. Journal of Animal Science and Biotechnology, 2012, 3, 4.	5.3	84
314	MiR1511 co-regulates with miR1511* to cleave the GmRPL4a gene in soybean. Science Bulletin, 2012, 57, 3804-3810.	1.7	7
315	Toward a Semisynthetic Stress Response System To Engineer Microbial Solvent Tolerance. MBio, 2012, 3, .	4.1	73
316	Human ESC/iPSC-based "omics"™ and bioinformatics for translational research. Drug Discovery Today: Disease Models, 2012, 9, e161-e170.	1.2	8
317	Macro-Role of MicroRNA in Gastric Cancer. Digestive Diseases, 2012, 30, 255-267.	1.9	81
320	MicroRNAs and their roles in aging. Journal of Cell Science, 2012, 125, 7-17.	2.0	316
321	Developing microRNA Therapeutics: Approaching the Unique Complexities. Nucleic Acid Therapeutics, 2012, 22, 213-225.	3.6	52
322	Identification and characterization of microRNA in the dairy goat (Capra hircus) mammary gland by Solexa deep-sequencing technology. Molecular Biology Reports, 2012, 39, 9361-9371.	2.3	87
323	MicroRNAs in prostate cancer: from biomarkers to molecularly-based therapeutics. Prostate Cancer and Prostatic Diseases, 2012, 15, 314-319.	3.9	38
324	Automatically clustering large-scale miRNA sequences: methods and experiments. BMC Genomics, 2012, 13, S15.	2.8	5
325	Genome-wide annotation and analysis of zebra finch microRNA repertoire reveal sex-biased expression. BMC Genomics, 2012, 13, 727.	2.8	39
326	MirSNP, a database of polymorphisms altering miRNA target sites, identifies miRNA-related SNPs in GWAS SNPs and eQTLs. BMC Genomics, 2012, 13, 661.	2.8	255
327	Selective extracellular vesicle-mediated export of an overlapping set of microRNAs from multiple cell types. BMC Genomics, 2012, 13, 357.	2.8	445
328	Detection of miRNAs with a nanopore single-molecule counter. Expert Review of Molecular Diagnostics, 2012, 12, 573-584.	3.1	54

#	ARTICLE	IF	CITATIONS
329	Sex differences in microRNA regulation of gene expression: no smoke, just miRs. <i>Biology of Sex Differences</i> , 2012, 3, 22.	4.1	106
330	Catalog of MicroRNA Seed Polymorphisms in Vertebrates. <i>PLoS ONE</i> , 2012, 7, e30737.	2.5	61
331	Primitive Duplicate Hox Clusters in the European Eel's Genome. <i>PLoS ONE</i> , 2012, 7, e32231.	2.5	128
332	Integrated Sequence-Structure Motifs Suffice to Identify microRNA Precursors. <i>PLoS ONE</i> , 2012, 7, e32797.	2.5	29
333	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.	2.5	71
334	Characterization and Evolution of microRNA Genes Derived from Repetitive Elements and Duplication Events in Plants. <i>PLoS ONE</i> , 2012, 7, e34092.	2.5	41
335	MicroRNA-141 Represses HBV Replication by Targeting PPARA. <i>PLoS ONE</i> , 2012, 7, e34165.	2.5	88
336	Discovery of Novel MicroRNAs in Rat Kidney Using Next Generation Sequencing and Microarray Validation. <i>PLoS ONE</i> , 2012, 7, e34394.	2.5	19
337	Characterization of miRNAs in Response to Short-Term Waterlogging in Three Inbred Lines of <i>Zea mays</i> . <i>PLoS ONE</i> , 2012, 7, e39786.	2.5	74
338	Large-Scale Identification of MicroRNA Targets in Murine Dgcr8-Deficient Embryonic Stem Cell Lines. <i>PLoS ONE</i> , 2012, 7, e41762.	2.5	8
339	Prediction of Conserved Precursors of miRNAs and Their Mature Forms by Integrating Position-Specific Structural Features. <i>PLoS ONE</i> , 2012, 7, e44314.	2.5	12
340	High-Throughput Sequencing and Characterization of the Small RNA Transcriptome Reveal Features of Novel and Conserved MicroRNAs in <i>Panax ginseng</i> . <i>PLoS ONE</i> , 2012, 7, e44385.	2.5	59
341	Global MicroRNA Profiling of the Mouse Ventricles during Development of Severe Hypertrophic Cardiomyopathy and Heart Failure. <i>PLoS ONE</i> , 2012, 7, e44744.	2.5	70
342	miR-BAG: Bagging Based Identification of MicroRNA Precursors. <i>PLoS ONE</i> , 2012, 7, e45782.	2.5	23
343	Oligo- and Polymetastatic Progression in Lung Metastasis(es) Patients Is Associated with Specific MicroRNAs. <i>PLoS ONE</i> , 2012, 7, e50141.	2.5	181
344	miRandola: Extracellular Circulating MicroRNAs Database. <i>PLoS ONE</i> , 2012, 7, e47786.	2.5	142
345	Transcriptome Sequencing and Annotation for the Jamaican Fruit Bat ( <i>Artibeus jamaicensis</i> ). <i>PLoS ONE</i> , 2012, 7, e48472.	2.5	77
346	Expression of Small RNA in <i>Aphis gossypii</i> and Its Potential Role in the Resistance Interaction with Melon. <i>PLoS ONE</i> , 2012, 7, e48579.	2.5	40

#	ARTICLE	IF	CITATIONS
347	High-Throughput MicroRNA (miRNAs) Arrays Unravel the Prognostic Role of MiR-211 in Pancreatic Cancer. PLoS ONE, 2012, 7, e49145.	2.5	67
348	Inferring MicroRNA Regulation of mRNA with Partially Ordered Samples of Paired Expression Data and Exogenous Prediction Algorithms. PLoS ONE, 2012, 7, e51480.	2.5	4
349	Circulating microRNAs: promising candidates serving as novel biomarkers of acute hepatitis. Frontiers in Physiology, 2012, 3, 476.	2.8	36
350	Non-Canonical Processing of Arabidopsis pri-miR319a/b/c Generates Additional microRNAs to Target One RAP2.12 mRNA Isoform. Frontiers in Plant Science, 2012, 3, 46.	3.6	26
351	MicroRNAs in Human Malignant Gliomas. Journal of Oncology, 2012, 2012, 1-7.	1.3	24
352	Plant MicroRNA Prediction by Supervised Machine Learning Using C5.0 Decision Trees. Journal of Nucleic Acids, 2012, 2012, 1-10.	1.2	22
353	Bioinformatic Resources of microRNA Sequences, Gene Targets, and Genetic Variation. Frontiers in Genetics, 2012, 3, 31.	2.3	17
354	DNA Methylation of Tumor Suppressive miRNAs in Non-Hodgkinâ€™s Lymphomas. Frontiers in Genetics, 2012, 3, 233.	2.3	14
355	Bioinformatics of Cancer ncRNA in High Throughput Sequencing: Present State and Challenges. Frontiers in Genetics, 2012, 3, 287.	2.3	9
356	Complex role of microRNAs in HTLV-1 infections. Frontiers in Genetics, 2012, 3, 295.	2.3	17
357	Looking at Kaposiâ€™s Sarcoma-Associated Herpesvirusâ€™Host Interactions from a microRNA Viewpoint. Frontiers in Microbiology, 2011, 2, 271.	3.5	16
358	MicroRNAs in HIV-1 infection: an integration of viral and cellular interaction at the genomic level. Frontiers in Microbiology, 2012, 3, 306.	3.5	16
359	MicroRNA Target Signatures in Advanced Stage Neuroblastoma. , 0, , .		0
360	Investigating the In Vivo Expression Patterns of miR-7 microRNA Family Members in the Adult Mouse Brain. MicroRNA (Sharjah, United Arab Emirates), 2012, 1, 11-18.	1.2	11
361	Genes and Molecular Pathways of the Osteogenic Process. , 0, , .		5
362	Computational prediction of candidate miRNAs and their targets from the completed Linum usitatissimum genome and EST database. Journal of Nucleic Acids Investigation, 2012, 3, 2.	0.8	3
363	microRNA expression profile of peripheral blood mononuclear cells of Klinefelter syndrome. Experimental and Therapeutic Medicine, 2012, 4, 825-831.	1.8	15
364	Analyzing the microRNA Transcriptome in Plants Using Deep Sequencing Data. Biology, 2012, 1, 297-310.	2.8	15

#	ARTICLE	IF	CITATIONS
365	A Single-Base Substitution in the Seed Region of miR-184 Causes EDICT Syndrome. , 2012, 53, 348.		99
366	Potential pitfalls in microRNA profiling. Wiley Interdisciplinary Reviews RNA, 2012, 3, 601-616.	6.4	151
367	Computational approaches to discovering noncoding RNA. Wiley Interdisciplinary Reviews RNA, 2012, 3, 567-579.	6.4	17
368	MicroRNA Profiling Using $\mu$ ParaFlo Microfluidic Array Technology. Methods in Molecular Biology, 2012, 822, 153-182.	0.9	19
369	Exome sequencing identifies recurrent SPOP, FOXA1 and MED12 mutations in prostate cancer. Nature Genetics, 2012, 44, 685-689.	21.4	1,300
370	MicroRNAs in inflammation and immune responses. Leukemia, 2012, 26, 404-413.	7.2	198
371	MicroRNA profiling: approaches and considerations. Nature Reviews Genetics, 2012, 13, 358-369.	16.3	1,453
372	Evolution of coding and non-coding genes in HOX clusters of a marsupial. BMC Genomics, 2012, 13, 251.	2.8	47
373	Controlling miRNA Regulation in Disease. Methods in Molecular Biology, 2012, 822, 1-18.	0.9	33
374	Role of microRNAs in gliomagenesis: targeting miRNAs in glioblastoma multiforme therapy. Expert Opinion on Investigational Drugs, 2012, 21, 1475-1488.	4.1	75
375	Clinical Outcome Prediction by MicroRNAs in Human Cancer: A Systematic Review. Journal of the National Cancer Institute, 2012, 104, 528-540.	6.3	207
376	Extensive Promoter DNA Hypermethylation and Hypomethylation Is Associated with Aberrant MicroRNA Expression in Chronic Lymphocytic Leukemia. Cancer Research, 2012, 72, 3775-3785.	0.9	123
377	The roles of microRNAs in sarcomas. Journal of Pathology, 2012, 227, 385-391.	4.5	14
378	Systematic analysis and functional annotation of variations in the genome of an Indian individual. Human Mutation, 2012, 33, 1133-1140.	2.5	21
379	Deep sequencing reveals predominant expression of miR-21 amongst the small non-coding RNAs in retinal microvascular endothelial cells. Journal of Cellular Biochemistry, 2012, 113, 2098-2111.	2.6	62
380	Evidence for premature aging due to oxidative stress in iPSCs from Cockayne syndrome. Human Molecular Genetics, 2012, 21, 3825-3834.	2.9	67
381	MicroRNA Expression Profiling and Discovery. , 2012, , 191-208.		0
383	miRâ€TRAP: A Benchtop Chemical Biology Strategy to Identify microRNA Targets. Angewandte Chemie - International Edition, 2012, 51, 5880-5883.	13.8	48

#	ARTICLE	IF	CITATIONS
384	Beyond nutrients: Food-derived microRNAs provide cross-kingdom regulation. <i>BioEssays</i> , 2012, 34, 280-284.	2.5	67
385	Profiling conserved microRNA expression in recombinant CHO cell lines using illumina sequencing. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1371-1375.	3.3	37
386	Reference genome sequence of the model plant <i>Setaria</i> . <i>Nature Biotechnology</i> , 2012, 30, 555-561.	17.5	864
387	High-Throughput Luciferase Reporter Assay for Small-Molecule Inhibitors of MicroRNA Function. <i>Journal of Biomolecular Screening</i> , 2012, 17, 822-828.	2.6	62
388	Identification and characterization of microRNAs in <i>Phaseolus vulgaris</i> by high-throughput sequencing. <i>BMC Genomics</i> , 2012, 13, 83.	2.8	106
389	Genome-wide search for miRNA-target interactions in <i>Arabidopsis thaliana</i> with an integrated approach. <i>BMC Genomics</i> , 2012, 13, S3.	2.8	27
390	Small RNAs in Plants. <i>Signaling and Communication in Plants</i> , 2012, , 1-28.	0.7	4
391	System approaches reveal the molecular networks involved in neural stem cell differentiation. <i>Protein and Cell</i> , 2012, 3, 213-224.	11.0	9
392	Analysis of putative miRNA function using a novel approach, GAPPS-miRTarGE. <i>Genes and Genomics</i> , 2012, 34, 205-216.	1.4	0
393	Current approaches to micro-RNA analysis and target gene prediction. <i>Journal of Applied Genetics</i> , 2012, 53, 149-158.	1.9	14
394	miR-301a Is a Candidate Oncogene that Targets the Homeobox Gene Gax in Human Hepatocellular Carcinoma. <i>Digestive Diseases and Sciences</i> , 2012, 57, 1171-1180.	2.3	68
395	Cloning and Expression Studies of Novel Small RNAs in Tetraploid Cotton. <i>Plant Molecular Biology Reporter</i> , 2012, 30, 710-718.	1.8	5
396	Integration of MicroRNA Databases to Study MicroRNAs Associated with Multiple Sclerosis. <i>Molecular Neurobiology</i> , 2012, 45, 520-535.	4.0	58
397	Identification of Glycine Max MicroRNAs in response to phosphorus deficiency. <i>Journal of Plant Biology</i> , 2012, 55, 268-280.	2.1	29
398	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.	2.5	94
399	Evaluation of online miRNA resources for biomedical applications. <i>Genes To Cells</i> , 2012, 17, 11-27.	1.2	29
400	Small non-coding RNAs mount a silent revolution in gene expression. <i>Current Opinion in Cell Biology</i> , 2012, 24, 333-340.	5.4	113
401	The NRF2-related interactome and regulome contain multifunctional proteins and fine-tuned autoregulatory loops. <i>FEBS Letters</i> , 2012, 586, 1795-1802.	2.8	95

#	ARTICLE	IF	CITATIONS
402	Comparison of the transcriptional profiles of head and body lice. <i>Insect Molecular Biology</i> , 2012, 21, 257-268.	2.0	47
403	Deep sequencing of short RNAs reveals novel microRNAs in minor salivary glands of patients with Sjögren's syndrome. <i>Oral Diseases</i> , 2012, 18, 127-131.	3.0	60
404	Behavioral plasticity in honey bees is associated with differences in brain microRNA transcriptome. <i>Genes, Brain and Behavior</i> , 2012, 11, 660-670.	2.2	87
405	miRNA profiling for biomarker discovery in multiple sclerosis: From microarray to deep sequencing. <i>Journal of Neuroimmunology</i> , 2012, 248, 32-39.	2.3	77
406	MicroRNA-337 is associated with chondrogenesis through regulating TGFBR2 expression. <i>Osteoarthritis and Cartilage</i> , 2012, 20, 593-602.	1.3	50
407	Identification and comparison of microRNAs from skeletal muscle and adipose tissues from two porcine breeds. <i>Animal Genetics</i> , 2012, 43, 704-713.	1.7	44
408	Alternative mRNA processing increases the complexity of microRNA-based gene regulation in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2012, 70, 421-431.	5.7	61
409	The regulation of silkworm fibroin L chain production by miRNA-965 and miRNA-1926 in insect cells. <i>Russian Journal of Bioorganic Chemistry</i> , 2012, 38, 417-421.	1.0	9
410	Annotation of primate miRNAs by high throughput sequencing of small RNA libraries. <i>BMC Genomics</i> , 2012, 13, 116.	2.8	16
411	Inhibition of microRNA function by anti-miR oligonucleotides. <i>Silence: A Journal of RNA Regulation</i> , 2012, 3, 1.	8.1	456
412	Identification of novel microRNAs in <i>Xenopus laevis</i> metaphase II arrested eggs. <i>Genesis</i> , 2012, 50, 286-299.	1.6	31
413	Genome-wide identification of SNPs in microRNA genes and the SNP effects on microRNA target binding and biogenesis. <i>Human Mutation</i> , 2012, 33, 254-263.	2.5	343
414	Identification of novel candidate genes involved in mineralization of dental enamel by genome-wide transcript profiling. <i>Journal of Cellular Physiology</i> , 2012, 227, 2264-2275.	4.1	94
415	microRNA Expression Profiling in Archival Tissue Specimens: Methods and Data Processing. <i>Molecular Biotechnology</i> , 2012, 50, 159-169.	2.4	9
416	The first draft of the pigeonpea genome sequence. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2012, 21, 98-112.	1.7	167
418	Weaker control of the electrical properties of cerebellar granule cells by tonically active GABA <sub>A</sub> receptors in the Ts65Dn mouse model of Down's syndrome. <i>Molecular Brain</i> , 2013, 6, 33.	2.6	12
419	MicroRNAs: an emerging science in cancer epigenetics. <i>Journal of Clinical Bioinformatics</i> , 2013, 3, 6.	1.2	74
420	Viral categorization and discovery in human circulation by transcriptome sequencing. <i>Biochemical and Biophysical Research Communications</i> , 2013, 436, 525-529.	2.1	4



#	ARTICLE	IF	CITATIONS
421	Towards an environment for data mining based analysis processes in bioinformatics and personalized medicine. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2013, 2, 29-44.	2.1	7
422	Deciphering microRNA code in pain and inflammation: lessons from bladder pain syndrome. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 3773-3789.	5.4	46
423	Distinctive microRNA expression signatures in proton-irradiated mice. <i>Molecular and Cellular Biochemistry</i> , 2013, 382, 225-235.	3.1	15
424	Extracellular MicroRNAs in Urologic Malignancies: Chances and Challenges. <i>International Journal of Molecular Sciences</i> , 2013, 14, 14785-14799.	4.1	101
425	MIR846 and MIR842 comprise a cistronic MIRNA pair that is regulated by abscisic acid by alternative splicing in roots of Arabidopsis. <i>Plant Molecular Biology</i> , 2013, 81, 447-460.	3.9	52
426	Species-specific microRNA regulation influences phenotypic variability. <i>BioEssays</i> , 2013, 35, 881-888.	2.5	37
427	MicroRNA-mediated regulation of T helper cell differentiation and plasticity. <i>Nature Reviews Immunology</i> , 2013, 13, 666-678.	22.7	331
428	MicroRNAs in the ionizing radiation response and in radiotherapy. <i>Current Opinion in Genetics and Development</i> , 2013, 23, 12-19.	3.3	155
429	Genome-wide annotation of genes and noncoding RNAs of foxtail millet in response to simulated drought stress by deep sequencing. <i>Plant Molecular Biology</i> , 2013, 83, 459-473.	3.9	157
430	Whole transcriptome sequencing of the aging rat brain reveals dynamic RNA changes in the dark matter of the genome. <i>Age</i> , 2013, 35, 763-776.	3.0	94
431	Complex regulation of autophagy in cancer – Integrated approaches to discover the networks that hold a double-edged sword. <i>Seminars in Cancer Biology</i> , 2013, 23, 252-261.	9.6	83
432	miRTar Hunter: A Prediction System for Identifying Human microRNA Target Sites. <i>Molecules and Cells</i> , 2013, 35, 195-201.	2.6	33
433	Identification of MicroRNA 395a in 24-Epibrassinolide-Regulated Root Growth of Arabidopsis thaliana Using MicroRNA Arrays. <i>International Journal of Molecular Sciences</i> , 2013, 14, 14270-14286.	4.1	18
434	Exome Sequencing Analysis: A Guide to Disease Variant Detection. <i>Methods in Molecular Biology</i> , 2013, 1038, 137-158.	0.9	18
435	The KUPNetViz: a biological network viewer for multiple -omics datasets in kidney diseases. <i>BMC Bioinformatics</i> , 2013, 14, 235.	2.6	13
436	PMTED: a plant microRNA target expression database. <i>BMC Bioinformatics</i> , 2013, 14, 174.	2.6	47
437	Candidate gene association studies: a comprehensive guide to useful in silico tools. <i>BMC Genetics</i> , 2013, 14, 39.	2.7	115
438	A heterozygous variant in the human cardiac miR-133 gene, MIR133A2, alters miRNA duplex processing and strand abundance. <i>BMC Genetics</i> , 2013, 14, 18.	2.7	39

#	ARTICLE	IF	CITATIONS
439	Multiclass relevance units machine: benchmark evaluation and application to small ncRNA discovery. BMC Genomics, 2013, 14, S6.	2.8	9
440	Reannotation and extended community resources for the genome of the non-seed plant <i>Physcomitrella patens</i> provide insights into the evolution of plant gene structures and functions. BMC Genomics, 2013, 14, 498.	2.8	170
441	Discovery and characterization of miRNA genes in atlantic salmon ( <i>Salmo salar</i> ) by use of a deep sequencing approach. BMC Genomics, 2013, 14, 482.	2.8	74
442	Fine-tuning of microRNA-mediated repression of mRNA by splicing-regulated and highly repressive microRNA recognition element. BMC Genomics, 2013, 14, 438.	2.8	19
443	Identification of miRNAs associated with sexual maturity in chicken ovary by Illumina small RNA deep sequencing. BMC Genomics, 2013, 14, 352.	2.8	127
444	Characterization of human plasma-derived exosomal RNAs by deep sequencing. BMC Genomics, 2013, 14, 319.	2.8	860
445	Prediction and identification of natural antisense transcripts and their small RNAs in soybean ( <i>Glycine max</i> ). BMC Genomics, 2013, 14, 280.	2.8	13
446	Transcriptome analysis reveals ginsenosides biosynthetic genes, microRNAs and simple sequence repeats in <i>Panax ginseng</i> C. A. Meyer. BMC Genomics, 2013, 14, 245.	2.8	115
447	Integrated $\text{miR-omics}$ profiling indicates that miRNAs are modulators of the ontogenetic venom composition shift in the Central American rattlesnake, <i>Crotalus simus simus</i> . BMC Genomics, 2013, 14, 234.	2.8	164
448	Identification of drought-responsive and novel <i>Populus trichocarpa</i> microRNAs by high-throughput sequencing and their targets using degradome analysis. BMC Genomics, 2013, 14, 233.	2.8	148
449	Characterization and differential expression of microRNAs in the ovaries of pregnant and non-pregnant goats ( <i>Capra hircus</i> ). BMC Genomics, 2013, 14, 157.	2.8	57
450	MicroRNAs and their putative targets in <i>Brassica napus</i> seed maturation. BMC Genomics, 2013, 14, 140.	2.8	99
451	A computational approach for identifying microRNA-target interactions using high-throughput CLIP and PAR-CLIP sequencing. BMC Genomics, 2013, 14, S2.	2.8	53
452	Identification of a set of miRNAs differentially expressed in transiently TIA-depleted HeLa cells by genome-wide profiling. BMC Molecular Biology, 2013, 14, 4.	3.0	32
453	PASmiR: a literature-curated database for miRNA molecular regulation in plant response to abiotic stress. BMC Plant Biology, 2013, 13, 33.	3.6	86
454	Potentiality of a triple microRNA classifier: miR-193a-3p, miR-23a and miR-338-5p for early detection of colorectal cancer. BMC Cancer, 2013, 13, 280.	2.6	170
455	A functional genomics screen for microRNA regulators of NF-kappaB signaling. BMC Biology, 2013, 11, 19.	3.8	47
456	Signalink 2 $\text{a}$ signaling pathway resource with multi-layered regulatory networks. BMC Systems Biology, 2013, 7, 7.	3.0	169

#	ARTICLE	IF	CITATIONS
457	Potential roles of microRNAs in regulating long intergenic noncoding RNAs. BMC Medical Genomics, 2013, 6, S7.	1.5	71
458	Signal transducer and activator of transcription (STAT)-3 regulates microRNA gene expression in chronic lymphocytic leukemia cells. Molecular Cancer, 2013, 12, 50.	19.2	56
459	Comparative analysis of known mi<scp>RNA</scp>s across platyhelminths. FEBS Journal, 2013, 280, 3944-3951.	4.7	31
460	Databases as instruments for analysis of large-scale data sets of interactions between molecular biological objects. Biology Bulletin, 2013, 40, 233-242.	0.5	2
461	Computer-Assisted Annotation of Murine Sertoli Cell Small RNA Transcriptome1. Biology of Reproduction, 2013, 88, 3.	2.7	25
462	Identification of circulating microRNAs in HNF1A-MODY carriers. Diabetologia, 2013, 56, 1743-1751.	6.3	26
463	MicroRNAs and Tumor Vasculature Normalization: Impact on Anti-Tumor Immune Response. Archivum Immunologiae Et Therapiae Experimentalis, 2013, 61, 285-299.	2.3	24
464	MicroRNA-424-5p Suppresses the Expression of SOCS6 in Pancreatic Cancer. Pathology and Oncology Research, 2013, 19, 739-748.	1.9	89
465	Genome-wide identification and analysis of miRNA-related single nucleotide polymorphisms (SNPs) in rice. Rice, 2013, 6, 10.	4.0	54
466	The role of rice microRNAs in abiotic stress responses. Journal of Plant Biology, 2013, 56, 187-197.	2.1	83
467	Quantitative aspects of RNA silencing in metazoans. Biochemistry (Moscow), 2013, 78, 613-626.	1.5	5
468	ROCK: a resource for integrative breast cancer data analysis. Breast Cancer Research and Treatment, 2013, 139, 907-921.	2.5	30
469	Profiling microRNA expression in bovine alveolar macrophages using RNA-seq. Veterinary Immunology and Immunopathology, 2013, 155, 238-244.	1.2	44
470	miRNA Profiling Identifies Candidate miRNAs for Bladder Cancer Diagnosis and Clinical Outcome. Journal of Molecular Diagnostics, 2013, 15, 695-705.	2.8	129
471	Comprehensive analyses of micro<scp>RNA</scp> gene evolution in paleopolyploid soybean genome. Plant Journal, 2013, 76, 332-344.	5.7	19
472	An Arrayed Genome-Scale Lentiviral-Enabled Short Hairpin RNA Screen Identifies Lethal and Rescuer Gene Candidates. Assay and Drug Development Technologies, 2013, 11, 173-190.	1.2	15
473	microRNAs are important players in head and neck carcinoma: A review. Critical Reviews in Oncology/Hematology, 2013, 88, 716-728.	4.4	23
474	Genome-wide search for functional noncoding RNA. Molecular Biology, 2013, 47, 599-604.	1.3	3

#	ARTICLE	IF	CITATIONS
475	Quantification of microRNA Expression with Next-Generation Sequencing. <i>Current Protocols in Molecular Biology</i> , 2013, 103, Unit 4.17.	2.9	65
476	MicroRNAs in mantle cell lymphoma. <i>Leukemia and Lymphoma</i> , 2013, 54, 1867-1875.	1.3	11
477	Depleting Gene Activities in Early <i>Drosophila</i> Embryos with the "Maternal-Gal4" shRNA System. <i>Genetics</i> , 2013, 193, 51-61.	2.9	98
478	MicroRNA networks regulate development of brown adipocytes. <i>Trends in Endocrinology and Metabolism</i> , 2013, 24, 442-450.	7.1	61
479	Coordinated Networks of microRNAs and Transcription Factors with Evolutionary Perspectives. <i>Advances in Experimental Medicine and Biology</i> , 2013, 774, 169-187.	1.6	16
480	Illuminating microRNA Transcription from the Epigenome. <i>Current Genomics</i> , 2013, 14, 68-77.	1.6	7
481	Body fluid identification of blood, saliva and semen using second generation sequencing of micro-RNA. <i>Forensic Science International: Genetics Supplement Series</i> , 2013, 4, e204-e205.	0.3	5
482	CHO microRNA engineering is growing up: Recent successes and future challenges. <i>Biotechnology Advances</i> , 2013, 31, 1501-1513.	11.7	77
483	Electroconvulsive stimulation alters levels of BDNF-associated microRNAs. <i>Neuroscience Letters</i> , 2013, 549, 125-129.	2.1	46
484	Fine tuning type I interferon responses. <i>Cytokine and Growth Factor Reviews</i> , 2013, 24, 217-225.	7.2	103
485	microRNA regulation of skin pigmentation in fish. <i>Journal of Cell Science</i> , 2013, 126, 3401-8.	2.0	65
486	Kraken: A set of tools for quality control and analysis of high-throughput sequence data. <i>Methods</i> , 2013, 63, 41-49.	3.8	346
487	Complexity of microRNA function and the role of isomiRs in lipid homeostasis. <i>Journal of Lipid Research</i> , 2013, 54, 1182-1191.	4.2	46
488	Multiple RNA recognition patterns during microRNA biogenesis in plants. <i>Genome Research</i> , 2013, 23, 1675-1689.	5.5	110
489	SNPing cancer in the bud: MicroRNA and microRNA-target site polymorphisms as diagnostic and prognostic biomarkers in cancer. , 2013, 137, 55-63.		83
490	A Retrotransposon-Driven Dicer Isoform Directs Endogenous Small Interfering RNA Production in Mouse Oocytes. <i>Cell</i> , 2013, 155, 807-816.	28.9	238
491	Identification of novel markers in rheumatoid arthritis through integrated analysis of DNA methylation and microRNA expression. <i>Journal of Autoimmunity</i> , 2013, 41, 6-16.	6.5	144
492	MicroRNA Expression Changes during Interferon-Beta Treatment in the Peripheral Blood of Multiple Sclerosis Patients. <i>International Journal of Molecular Sciences</i> , 2013, 14, 16087-16110.	4.1	112

#	ARTICLE	IF	CITATIONS
493	MicroRNA-1291-mediated silencing of IRE1 $\beta$ enhances Glypican-3 expression. <i>Rna</i> , 2013, 19, 778-788.	3.5	41
494	Role of microRNAs in cardiac remodelling: New insights and future perspectives. <i>International Journal of Cardiology</i> , 2013, 167, 1651-1659.	1.7	67
495	MicroRNA associated with dyslipidemia and coronary disease in humans. <i>Physiological Genomics</i> , 2013, 45, 1199-1205.	2.3	6
496	Argonaute2 Regulates the Pancreatic $\beta$ -Cell Secretome. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1214-1225.	3.8	42
497	TALen-based knockout library for human microRNAs. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1458-1464.	8.2	74
498	Identification of Novel and Differentially Expressed MicroRNAs in the Ovaries of Laying and Non-Laying Ducks. <i>Journal of Integrative Agriculture</i> , 2013, 12, 136-146.	3.5	14
499	Context-specific microRNA function in developmental complexity. <i>Journal of Molecular Cell Biology</i> , 2013, 5, 73-84.	3.3	39
500	Characteristics of microRNAs enriched in specific cell types and primary tissue types in solid organs. <i>Physiological Genomics</i> , 2013, 45, 1144-1156.	2.3	29
501	Extremely Complex Populations of Small RNAs in the Mouse Retina and RPE/Choroid. , 2013, 54, 8140.		22
502	Close association between paralogous multiple isomiRs and paralogous/orthologues miRNA sequences implicates dominant sequence selection across various animal species. <i>Gene</i> , 2013, 527, 624-629.	2.2	16
503	Pt-miR397a is a negative regulator of laccase genes affecting lignin content in <i>Populus trichocarpa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10848-10853.	7.1	329
504	Mammalian 5 $\alpha$ -Capped MicroRNA Precursors that Generate a Single MicroRNA. <i>Cell</i> , 2013, 155, 1568-1580.	28.9	189
505	Rational design of microRNA-siRNA chimeras for multifunctional target suppression. <i>Rna</i> , 2013, 19, 1745-1754.	3.5	10
506	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.	3.8	26
507	Circulating microRNAs as potential new biomarkers for prostate cancer. <i>British Journal of Cancer</i> , 2013, 108, 1925-1930.	6.4	130
508	omiRas: a Web server for differential expression analysis of miRNAs derived from small RNA-Seq data. <i>Bioinformatics</i> , 2013, 29, 2651-2652.	4.1	67
509	MicroRNAs and the Genetic Network in Aging. <i>Journal of Molecular Biology</i> , 2013, 425, 3601-3608.	4.2	86
510	Application of ion mobility-mass spectrometry to microRNA analysis. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 332-338.	2.2	19

#	ARTICLE	IF	CITATIONS
511	A practical guide for the functional annotation of genetic variations using SNPnexus. Briefings in Bioinformatics, 2013, 14, 437-447.	6.5	90
512	âœA draft Musa balbisiana genome sequence for molecular genetics in polyploid, inter- and intra-specific Musa hybridsâœ. BMC Genomics, 2013, 14, 683.	2.8	159
513	Integrating microRNA and mRNA expression profiling in Symbiodinium microadriaticum, a dinoflagellate symbiont of reef-building corals. BMC Genomics, 2013, 14, 704.	2.8	109
514	Identification of novel microRNA regulatory pathways associated with heterogeneous prostate cancer. BMC Systems Biology, 2013, 7, S6.	3.0	37
515	Analysis of the microRNA transcriptome and expression of different isomiRs in human peripheral blood mononuclear cells. BMC Research Notes, 2013, 6, 390.	1.4	22
516	Identification of conserved MicroRNAs and their targets in Phalaenopsis orchid. Russian Journal of Plant Physiology, 2013, 60, 845-854.	1.1	1
517	An integrated transcriptome and epigenome analysis identifies a novel candidate gene for pancreatic cancer. BMC Medical Genomics, 2013, 6, 33.	1.5	31
518	A blood based 12-miRNA signature of Alzheimer disease patients. Genome Biology, 2013, 14, R78.	9.6	438
519	Transcriptomics: Advances and approaches. Science China Life Sciences, 2013, 56, 960-967.	4.9	83
520	Analysis of gradient-like expression of miR167 in Arabidopsis thaliana embryonic tissue. Journal of Plant Biology, 2013, 56, 336-344.	2.1	8
521	Expansion of ruminant-specific microRNAs shapes target gene expression divergence between ruminant and non-ruminant species. BMC Genomics, 2013, 14, 609.	2.8	19
522	Analysis of serum exosomal microRNAs and clinicopathologic features of patients with pancreatic adenocarcinoma. World Journal of Surgical Oncology, 2013, 11, 219.	1.9	221
523	miRNA and miRNA target genes in copy number variations occurring in individuals with intellectual disability. BMC Genomics, 2013, 14, 544.	2.8	18
524	Genome-wide identification, molecular cloning, expression profiling and posttranscriptional regulation analysis of the Argonaute gene family in Salvia miltiorrhiza, an emerging model medicinal plant. BMC Genomics, 2013, 14, 512.	2.8	37
525	MicroRNA regulate immune pathways in T-cells in multiple sclerosis (MS). BMC Immunology, 2013, 14, 32.	2.2	80
526	MiR-34a inhibits proliferation and migration of breast cancer through down-regulation of Bcl-2 and SIRT1. Clinical and Experimental Medicine, 2013, 13, 109-117.	3.6	264
527	iMir: An integrated pipeline for high-throughput analysis of small non-coding RNA data obtained by smallRNA-Seq. BMC Bioinformatics, 2013, 14, 362.	2.6	62
528	Genome-wide characterization of microRNA in foxtail millet (Setaria italica). BMC Plant Biology, 2013, 13, 212.	3.6	47

#	ARTICLE	IF	CITATIONS
529	High-throughput sequencing identification of novel and conserved miRNAs in the Brassica oleracea leaves. BMC Genomics, 2013, 14, 801.	2.8	42
530	Pleiotropic Constraints, Expression Level, and the Evolution of miRNA Sequences. Journal of Molecular Evolution, 2013, 77, 206-220.	1.8	7
531	Expression analysis and in silico characterization of intronic long noncoding RNAs in renal cell carcinoma: emerging functional associations. Molecular Cancer, 2013, 12, 140.	19.2	59
532	Computational identification and functional annotation of miRNAs in medicinal plant Helianthus petiolaris. Network Modeling Analysis in Health Informatics and Bioinformatics, 2013, 2, 277-284.	2.1	3
533	A genome-wide identification and characterization of mircoRNAs and their targets in "Suli" pear (Pyrus Tj ETQq0 0 0 rgBT /Overlo	3.2	19
534	PROMiRNA: a new miRNA promoter recognition method uncovers the complex regulation of intronic miRNAs. Genome Biology, 2013, 14, R84.	9.6	104
535	High-throughput sequencing of small RNA transcriptomes reveals critical biological features targeted by microRNAs in cell models used for squamous cell cancer research. BMC Genomics, 2013, 14, 735.	2.8	13
536	A systematic analysis of a mi-RNA inter-pathway regulatory motif. Journal of Clinical Bioinformatics, 2013, 3, 20.	1.2	11
537	High-efficiency RNA cloning enables accurate quantification of miRNA expression by deep sequencing. Genome Biology, 2013, 14, R109.	9.6	55
538	MicroRNAs in Liver Disease: Bench to Bedside. Journal of Clinical and Experimental Hepatology, 2013, 3, 231-242.	0.9	23
539	MicroRNA in aqueous humor from patients with cataract. Experimental Eye Research, 2013, 108, 68-71.	2.6	76
540	Pathogenic variants in non-protein-coding sequences. Clinical Genetics, 2013, 84, 422-428.	2.0	31
541	Transcriptome and genome sequencing uncovers functional variation in humans. Nature, 2013, 501, 506-511.	27.8	1,857
542	Argonaute 1 is indispensable for juvenile hormone mediated oogenesis in the migratory locust, Locusta migratoria. Insect Biochemistry and Molecular Biology, 2013, 43, 879-887.	2.7	39
543	Genome-Wide Identification of MicroRNAs in Medicago truncatula by High-Throughput Sequencing. Methods in Molecular Biology, 2013, 1069, 67-80.	0.9	1
544	MicroRNAs in Heart Failure: New Targets in Disease Management. Clinical Pharmacology and Therapeutics, 2013, 94, 480-489.	4.7	25
545	Micro-Ribonucleic Acid-494 regulation of protein-AS expression. Journal of Thrombosis and Haemostasis, 2013, 11, 1547-1555.	3.8	27
546	Synergetic regulatory networks mediated by oncogene-driven microRNAs and transcription factors in serous ovarian cancer. Molecular BioSystems, 2013, 9, 3187.	2.9	40



#	ARTICLE	IF	CITATIONS
548	A Study of Small RNAs from Cerebral Neocortex of Pathology-Verified Alzheimer's Disease, Dementia with Lewy Bodies, Hippocampal Sclerosis, Frontotemporal Lobar Dementia, and Non-Demented Human Controls. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 335-348.	2.6	110
549	Diagnostic and prognostic potential of differentially expressed miRNAs between metastatic and non-metastatic renal cell carcinoma at the time of nephrectomy. <i>Clinica Chimica Acta</i> , 2013, 416, 5-10.	1.1	62
550	Next-generation sequencing and microarray-based interrogation of microRNAs from formalin-fixed, paraffin-embedded tissue: Preliminary assessment of cross-platform concordance. <i>Genomics</i> , 2013, 102, 8-14.	2.9	27
551	Exploration of miRNA families for hypotheses generation. <i>Scientific Reports</i> , 2013, 3, 2940.	3.3	68
553	A novel epigenetic CREBâ€miRâ€373 axis mediates ZIP4â€induced pancreatic cancer growth. <i>EMBO Molecular Medicine</i> , 2013, 5, 1322-1334.	6.9	88
554	Refinement of chromosome 3p22.3 region and identification of a susceptibility gene for bipolar affective disorder. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2013, 162, 163-168.	1.7	4
555	Epididymosomes Convey Different Repertoires of MicroRNAs Throughout the Bovine Epididymis1. <i>Biology of Reproduction</i> , 2013, 89, 30.	2.7	155
556	Regulation of Cardiac MicroRNAs by Cardiac MicroRNAs. <i>Circulation Research</i> , 2013, 113, 62-71.	4.5	94
557	Identification and analysis of the proximal promoters of microRNA genes in Arabidopsis. <i>Genomics</i> , 2013, 101, 187-194.	2.9	44
558	Blood meal induced microRNA regulates development and immune associated genes in the Dengue mosquito vector, <i>Aedes aegypti</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 146-152.	2.7	79
559	CHH islands: de novo DNA methylation in near-gene chromatin regulation in maize. <i>Genome Research</i> , 2013, 23, 628-637.	5.5	310
560	Qualitative and Quantitative Expression Status of the Human Chromosome 20 Genes in Cancer Tissues and the Representative Cell Lines. <i>Journal of Proteome Research</i> , 2013, 12, 151-161.	3.7	19
561	Lost in translation. New unexplored avenues for neuropsychopharmacology: epigenetics and microRNAs. <i>Expert Opinion on Investigational Drugs</i> , 2013, 22, 217-233.	4.1	32
562	Genome-Wide Epigenetic Regulation of miRNAs in Cancer. <i>Cancer Research</i> , 2013, 73, 473-477.	0.9	282
563	Cellular and molecular mechanisms of hepatocellular carcinoma: an update. <i>Archives of Toxicology</i> , 2013, 87, 227-247.	4.2	195
564	From small to big: microRNAs as new players in medulloblastomas. <i>Tumor Biology</i> , 2013, 34, 9-15.	1.8	14
565	Joint analysis of miRNA and mRNA expression data. <i>Briefings in Bioinformatics</i> , 2013, 14, 263-278.	6.5	104
566	Downregulation of miR-153 contributes to epithelial-mesenchymal transition and tumor metastasis in human epithelial cancer. <i>Carcinogenesis</i> , 2013, 34, 539-549.	2.8	101



#	ARTICLE	IF	CITATIONS
567	Enrichment Analysis of miRNA Targets. <i>Methods in Molecular Biology</i> , 2013, 936, 91-103.	0.9	12
568	Dynamic expression of small RNA populations in larch ( <i>Larix leptolepis</i> ). <i>Planta</i> , 2013, 237, 89-101.	3.2	50
569	MicroRNAs in renal development. <i>Pediatric Nephrology</i> , 2013, 28, 219-225.	1.7	29
570	MicroRNAome of <i>Spodoptera frugiperda</i> cells (Sf9) and its alteration following baculovirus infection. <i>Journal of General Virology</i> , 2013, 94, 1385-1397.	2.9	77
571	Systems-level analysis of host–pathogen interaction using RNA interference. <i>New Biotechnology</i> , 2013, 30, 308-313.	4.4	0
572	Beyond Secondary Structure: Primary-Sequence Determinants License Pri-miRNA Hairpins for Processing. <i>Cell</i> , 2013, 152, 844-858.	28.9	373
573	Prediction of personalized microRNA activity. <i>Gene</i> , 2013, 518, 101-106.	2.2	2
574	MicroRNA functions in insects. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 388-397.	2.7	205
575	Proteomics for understanding miRNA biology. <i>Proteomics</i> , 2013, 13, 558-567.	2.2	21
576	Influence of age on wound healing and fibrosis. <i>Journal of Pathology</i> , 2013, 229, 310-322.	4.5	75
577	Computational biology of RNA interactions. <i>Wiley Interdisciplinary Reviews RNA</i> , 2013, 4, 107-120.	6.4	24
578	Evaluation of RNA quality in fixed and unembedded mouse embryos by different methods. <i>Experimental and Molecular Pathology</i> , 2013, 95, 206-212.	2.1	12
579	An Extensive Network of TET2-Targeting MicroRNAs Regulates Malignant Hematopoiesis. <i>Cell Reports</i> , 2013, 5, 471-481.	6.4	139
580	An Optimized microRNA Backbone for Effective Single-Copy RNAi. <i>Cell Reports</i> , 2013, 5, 1704-1713.	6.4	563
581	Comparative Evaluation of miRNA Expression between in Vitro and in Vivo Airway Epithelium Demonstrates Widespread Differences. <i>American Journal of Pathology</i> , 2013, 183, 1405-1410.	3.8	12
582	Epigenetics and miRNA emerge as key regulators of smooth muscle cell phenotype and function. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013, 26, 75-85.	2.6	22
583	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.	3.1	19
584	Short Tandem Target Mimic: A Long Journey to the Engineered Molecular Landmine for Selective Destruction/Blockage of MicroRNAs in Plants and Animals. <i>Journal of Genetics and Genomics</i> , 2013, 40, 291-296.	3.9	24

#	ARTICLE	IF	CITATIONS
585	Multiple products from microRNA transcripts. Biochemical Society Transactions, 2013, 41, 850-854.	3.4	25
586	Exceptional stories of microRNAs. Experimental Biology and Medicine, 2013, 238, 339-343.	2.4	41
587	Old and new functions for the adenovirus virus-associated RNAs. Future Virology, 2013, 8, 343-356.	1.8	17
588	The impact of age, biogenesis, and genomic clustering on <i>Drosophila</i> microRNA evolution. Rna, 2013, 19, 1295-1308.	3.5	35
590	Effective Classification of MicroRNA Precursors Using Feature Mining and AdaBoost Algorithms. OMICS A Journal of Integrative Biology, 2013, 17, 486-493.	2.0	10
591	Glycosphingolipids: synthesis and functions. FEBS Journal, 2013, 280, 6338-6353.	4.7	204
592	miRNAs: Biogenesis, Origin and Evolution, Functions on Virus-Host Interaction. Cellular Physiology and Biochemistry, 2013, 32, 499-510.	1.6	48
593	Identification of conserved microRNAs and their targets in the model legume Lotus japonicus. Journal of Biotechnology, 2013, 164, 520-524.	3.8	16
594	MicroRNA Primary Transcripts and Promoter Elements Analysis in Soybean (Glycine max L. Merrill.). Journal of Integrative Agriculture, 2013, 12, 1522-1529.	3.5	5
595	miR-128 regulates non-myocyte hyperplasia, deposition of extracellular matrix and Islet1 expression during newt cardiac regeneration. Developmental Biology, 2013, 383, 253-263.	2.0	25
596	Identification of dysregulated microRNAs in lymphocytes from children with Down syndrome. Gene, 2013, 530, 278-286.	2.2	27
597	Identifying transcriptional miRNA biomarkers by integrating high-throughput sequencing and real-time PCR data. Methods, 2013, 59, 154-163.	3.8	10
598	Comprehensive analysis of alterations in the miRNome in response to photodynamic treatment. Journal of Photochemistry and Photobiology B: Biology, 2013, 120, 74-81.	3.8	25
599	Deep parallel sequencing reveals conserved and novel miRNAs in gill and hepatopancreas of giant freshwater prawn. Fish and Shellfish Immunology, 2013, 35, 1061-1069.	3.6	22
601	Plasma miR-17-5p, miR-20a and miR-22 are down-regulated in women with endometriosis. Human Reproduction, 2013, 28, 322-330.	0.9	128
602	Four Common Polymorphisms in MicroRNAs and the Risk of Adult Glioma in a Chinese Case-control Study. Journal of Molecular Neuroscience, 2013, 51, 933-940.	2.3	15
603	Developmentally regulated expression and complex processing of barley pri-microRNAs. BMC Genomics, 2013, 14, 34.	2.8	43
604	A brief primer on microRNAs and their roles in angiogenesis. Vascular Cell, 2013, 5, 2.	0.2	41

#	ARTICLE	IF	CITATIONS
605	Deep sequencing of small RNA transcriptome reveals novel non-coding RNAs in hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2013, 58, 1165-1173.	3.7	160
606	The Identification of MicroRNAs in Calcisponges: Independent Evolution of MicroRNAs in Basal Metazoans. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2013, 320, 84-93.	1.3	18
607	Circulating miRNAs as new blood-based biomarkers for solid cancers. <i>Future Oncology</i> , 2013, 9, 387-402.	2.4	98
608	Comparative Analysis of MicroRNA Promoters in <i>Arabidopsis</i> and Rice. <i>Genomics, Proteomics and Bioinformatics</i> , 2013, 11, 56-60.	6.9	21
609	Beyond microRNA – Novel RNAs derived from small non-coding RNA and their implication in cancer. <i>Cancer Letters</i> , 2013, 340, 201-211.	7.2	169
610	Big Effects of Small RNAs: A Review of MicroRNAs in Anxiety. <i>Molecular Neurobiology</i> , 2013, 47, 726-739.	4.0	80
611	miRNAs: Their discovery, biogenesis and mechanism of action. <i>Clinical Biochemistry</i> , 2013, 46, 842-845.	1.9	100
612	Online resources for miRNA analysis. <i>Clinical Biochemistry</i> , 2013, 46, 879-900.	1.9	64
613	Exome and whole-genome sequencing of esophageal adenocarcinoma identifies recurrent driver events and mutational complexity. <i>Nature Genetics</i> , 2013, 45, 478-486.	21.4	671
614	<i>SQUAMOSA</i> promoter binding protein-like7 regulated microRNA408 is required for vegetative development in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2013, 74, 98-109.	5.7	98
615	MicroRNAs in Human Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2013, 774, 1-20.	1.6	606
616	A User-Friendly Computational Workflow for the Analysis of MicroRNA Deep Sequencing Data. <i>Methods in Molecular Biology</i> , 2013, 936, 35-45.	0.9	3
617	Network-based drug repositioning. <i>Molecular BioSystems</i> , 2013, 9, 1268.	2.9	135
618	Circulating MicroRNAs: What Is Their Relevance?. <i>Clinical Chemistry</i> , 2013, 59, 729-731.	3.2	15
619	Strategies for anti-fibrotic therapies. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1088-1103.	3.8	146
620	Working Together: Combinatorial Regulation by microRNAs. <i>Advances in Experimental Medicine and Biology</i> , 2013, 774, 317-337.	1.6	22
621	Recent advances in microRNA-mediated gene regulation in chronic lymphocytic leukemia. <i>Clinical Biochemistry</i> , 2013, 46, 901-908.	1.9	4
622	miRNA regulatory variation in human evolution. <i>Trends in Genetics</i> , 2013, 29, 116-124.	6.7	34

#	ARTICLE	IF	CITATIONS
623	Identification and Verification of microRNAs by High-Throughput Sequencing. <i>Methods in Molecular Biology</i> , 2013, 983, 125-138.	0.9	7
624	Skeletal Muscle Calpain Acts through Nitric Oxide and Neural miRNAs to Regulate Acetylcholine Release in Motor Nerve Terminals. <i>Journal of Neuroscience</i> , 2013, 33, 7308-7324.	3.6	24
625	ADAR1 Forms a Complex with Dicer to Promote MicroRNA Processing and RNA-Induced Gene Silencing. <i>Cell</i> , 2013, 153, 575-589.	28.9	290
626	Delivering the promise of miRNA cancer therapeutics. <i>Drug Discovery Today</i> , 2013, 18, 282-289.	6.4	260
627	MicroRNAs in the regulation of TLR and RIG-I pathways. <i>Cellular and Molecular Immunology</i> , 2013, 10, 65-71.	10.5	122
628	MicroRNAs support the monophyly of enteropneust hemichordates. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2013, 320, 368-374.	1.3	24
629	Implications of microRNAs in the pathogenesis of diabetes. <i>Archives of Pharmacal Research</i> , 2013, 36, 154-166.	6.3	37
630	The role of miRNA-29 family in cancer. <i>European Journal of Cell Biology</i> , 2013, 92, 123-128.	3.6	186
631	The dark matter rises: the expanding world of regulatory RNAs. <i>Essays in Biochemistry</i> , 2013, 54, 1-16.	4.7	73
632	Normalization of miRNA qPCR high-throughput data: a comparison of methods. <i>Biotechnology Letters</i> , 2013, 35, 843-851.	2.2	10
633	Systematic analysis of genomic organization and structure of long non-coding RNAs in the human genome. <i>FEBS Letters</i> , 2013, 587, 976-982.	2.8	16
634	Review: The Role of MicroRNAs in Osteoarthritis and Chondrogenesis. <i>Arthritis and Rheumatism</i> , 2013, 65, 1963-1974.	6.7	107
635	Hide and seek: tell-tale signs of breast cancer lurking in the blood. <i>Cancer and Metastasis Reviews</i> , 2013, 32, 289-302.	5.9	18
636	Activation of hepatic stellate cells is suppressed by microRNA-150. <i>International Journal of Molecular Medicine</i> , 2013, 32, 17-24.	4.0	50
637	Evolutionary conservation of microRNA regulatory programs in plant flower development. <i>Developmental Biology</i> , 2013, 380, 133-144.	2.0	177
638	MicroRNAs as pharmacological targets in endothelial cell function and dysfunction. <i>Pharmacological Research</i> , 2013, 75, 15-27.	7.1	90
639	Advances in the role of microRNAs in lipid metabolism-related anti-atherosclerotic drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2013, 8, 977-990.	5.0	5
640	Genome-Wide Quantitative Enhancer Activity Maps Identified by STARR-seq. <i>Science</i> , 2013, 339, 1074-1077.	12.6	897

#	ARTICLE	IF	CITATIONS
641	An Arrayed RNA Interference Genome-Wide Screen Identifies Candidate Genes Involved in the MicroRNA 21 Biogenesis Pathway. <i>Assay and Drug Development Technologies</i> , 2013, 11, 191-205.	1.2	10
642	microRNA biomarkers in body fluids of prostate cancer patients. <i>Methods</i> , 2013, 59, 132-137.	3.8	51
643	Elucidating the Role of microRNAs in Cancer Through Data Mining Techniques. <i>Advances in Experimental Medicine and Biology</i> , 2013, 774, 291-315.	1.6	6
644	The gene vitellogenin affects microRNA regulation in honey bee ( <i>Apis mellifera</i> ) fat body and brain. <i>Journal of Experimental Biology</i> , 2013, 216, 3724-32.	1.7	54
645	In-Depth Characterization of the MicroRNA Transcriptome in Normal Thyroid and Papillary Thyroid Carcinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1401-E1409.	3.6	125
646	Epigenetic Alterations in Pancreatic Cancer. , 2013, , 185-207.		1
647	Computational Identification and Evolutionary Relationships of the MicroRNA Gene Cluster miR-71/2 in Protostomes. <i>Journal of Molecular Evolution</i> , 2013, 76, 353-358.	1.8	18
648	Manipulation of microRNA expression to improve nitrogen use efficiency. <i>Plant Science</i> , 2013, 210, 70-81.	3.6	83
649	Small RNAs derived from structural non-coding RNAs. <i>Methods</i> , 2013, 63, 76-84.	3.8	39
651	MicroRNAs involved in skeletal muscle development and their roles in rhabdomyosarcoma pathogenesis. <i>Pediatric Blood and Cancer</i> , 2013, 60, 1739-1746.	1.5	28
652	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.	2.5	33
653	Current Progress for the Use of miRNAs in Glioblastoma Treatment. <i>Molecular Neurobiology</i> , 2013, 48, 757-768.	4.0	38
654	Identification of microRNAs from <i>Plutella xylostella</i> larvae associated with parasitization by <i>Diadegma semiclausum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 309-318.	2.7	57
655	<scp>RNA</scp> regulation of the immune system. <i>Immunological Reviews</i> , 2013, 253, 5-11.	6.0	28
656	Transcriptome-wide identification and characterization of the <i>Procambarus clarkii</i> microRNAs potentially related to immunity against <i>Spiroplasma eriocheiris</i> infection. <i>Fish and Shellfish Immunology</i> , 2013, 35, 607-617.	3.6	45
657	<i>Arabidopsis</i> ARGONAUTE7 selects miR390 through multiple checkpoints during RISC assembly. <i>EMBO Reports</i> , 2013, 14, 652-658.	4.5	71
658	MicroRNAs: Novel mediators of resistance to microtubule-targeting agents. <i>Cancer Treatment Reviews</i> , 2013, 39, 161-170.	7.7	40
659	miR-150 Down-Regulation Contributes to the Constitutive Type I Collagen Overexpression in Scleroderma Dermal Fibroblasts via the Induction of $\alpha$ Integrin $\beta$ 3. <i>American Journal of Pathology</i> , 2013, 182, 206-216.	3.8	124

#	ARTICLE	IF	CITATIONS
660	Birth and expression evolution of mammalian microRNA genes. <i>Genome Research</i> , 2013, 23, 34-45.	5.5	252
661	Identification of miRNAs and their targets in tea ( <i>Camellia sinensis</i> ). <i>Journal of Zhejiang University: Science B</i> , 2013, 14, 916-923.	2.8	49
662	Effects of Salt, Polyethylene Glycol, and Locked Nucleic Acids on the Thermodynamic Stabilities of Consecutive Terminal Adenosine Mismatches in RNA Duplexes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3531-3540.	2.6	16
663	Comprehensive analysis of the functional microRNA-mRNA regulatory network identifies miRNA signatures associated with glioma malignant progression. <i>Nucleic Acids Research</i> , 2013, 41, e203-e203.	14.5	112
664	miR-142-3p Controls the Specification of Definitive Hemangioblasts during Ontogeny. <i>Developmental Cell</i> , 2013, 26, 237-249.	7.0	62
665	mirPD: A pattern-based approach for identifying microRNAs from deep sequencing data. , 2013, 23, 1887-1896.		4
666	MicroRNA-124 Suppresses the Transactivation of Nuclear Factor of Activated T Cells by Targeting Multiple Genes and Inhibits the Proliferation of Pulmonary Artery Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 25414-25427.	3.4	111
667	Genome-wide <i>in silico</i> screening for microRNA genetic variability in livestock species. <i>Animal Genetics</i> , 2013, 44, 669-677.	1.7	31
668	MIR-429 up-regulation induces apoptosis and suppresses invasion by targeting Bcl-2 and SP-1 in esophageal carcinoma. <i>Cellular Oncology (Dordrecht)</i> , 2013, 36, 385-394.	4.4	74
669	MicroRNA-26a Is Strongly Downregulated in Melanoma and Induces Cell Death through Repression of Silencer of Death Domains (SODD). <i>Journal of Investigative Dermatology</i> , 2013, 133, 1286-1293.	0.7	49
670	In-Depth Analysis of the Interaction of HIV-1 with Cellular microRNA Biogenesis and Effector Mechanisms. <i>MBio</i> , 2013, 4, e000193.	4.1	134
671	A Significant Fraction of 21-Nucleotide Small RNA Originates from Phased Degradation of Resistance Genes in Several Perennial Species. <i>Plant Physiology</i> , 2013, 162, 741-754.	4.8	74
672	Long-lasting alterations to DNA methylation and ncRNAs could underlie the effects of fetal alcohol exposure in mice. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 977-92.	2.4	113
673	Next-Generation Sequencing of Small RNAs from HIV-Infected Cells Identifies Phased microRNA Expression Patterns and Candidate Novel microRNAs Differentially Expressed upon Infection. <i>MBio</i> , 2013, 4, e00549-12.	4.1	48
674	Substantial Loss of Conserved and Gain of Novel MicroRNA Families in Flatworms. <i>Molecular Biology and Evolution</i> , 2013, 30, 2619-2628.	8.9	84
675	microRNA in Gastrointestinal Cancer. <i>Advances in Clinical Chemistry</i> , 2013, 62, 221-268.	3.7	29
676	Discovery of MicroRNAs of the Stable Fly (Diptera: Muscidae) by High-Throughput Sequencing. <i>Journal of Medical Entomology</i> , 2013, 50, 925-930.	1.8	7
677	Competition between virus-derived and endogenous small RNAs regulates gene expression in <i>Caenorhabditis elegans</i> . <i>Genome Research</i> , 2013, 23, 1258-1270.	5.5	75

#	ARTICLE	IF	CITATIONS
678	Functional transcriptomics in the post-ENCODE era. <i>Genome Research</i> , 2013, 23, 1961-1973.	5.5	58
679	Comprehensive Investigation of MicroRNAs Enhanced by Analysis of Sequence Variants, Expression Patterns, ARGONAUTE Loading, and Target Cleavage. <i>Plant Physiology</i> , 2013, 162, 1225-1245.	4.8	61
680	miRmap web: comprehensive microRNA target prediction online. <i>Nucleic Acids Research</i> , 2013, 41, W165-W168.	14.5	137
681	MicroRNA and gene networks in human Hodgkin's lymphoma. <i>Molecular Medicine Reports</i> , 2013, 8, 1747-1754.	2.4	6
682	The Complete Exosome Workflow Solution: From Isolation to Characterization of RNA Cargo. <i>BioMed Research International</i> , 2013, 2013, 1-15.	1.9	142
683	The Role of the Arabidopsis Exosome in siRNA-Independent Silencing of Heterochromatic Loci. <i>PLoS Genetics</i> , 2013, 9, e1003411.	3.5	27
684	miR-34 is maternally inherited in <i>Drosophila melanogaster</i> and <i>Danio rerio</i> . <i>Nucleic Acids Research</i> , 2013, 41, 4470-4480.	14.5	66
685	Principles of miRNA-Target Regulation in Metazoan Models. <i>International Journal of Molecular Sciences</i> , 2013, 14, 16280-16302.	4.1	23
686	Plasma miRNAs as Biomarkers to Identify Patients with Castration-Resistant Metastatic Prostate Cancer. <i>International Journal of Molecular Sciences</i> , 2013, 14, 7757-7770.	4.1	122
687	Comparative transcriptome analysis of small noncoding RNAs in different stages of <i>Trypanosoma brucei</i> . <i>Rna</i> , 2013, 19, 863-875.	3.5	13
688	Identification of Recurrence Related microRNAs in Hepatocellular Carcinoma after Surgical Resection. <i>International Journal of Molecular Sciences</i> , 2013, 14, 1105-1118.	4.1	23
689	Next-Generation Sequencing Identifies MicroRNAs that Associate with Pathogenic Autoimmune Neuroinflammation in Rats. <i>Journal of Immunology</i> , 2013, 190, 4066-4075.	0.8	44
690	Sex-Biased Expression of MicroRNAs in <i>Schistosoma mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2402.	3.0	60
691	24 Hours in the Life of HIV-1 in a T Cell Line. <i>PLoS Pathogens</i> , 2013, 9, e1003161.	4.7	134
692	Comparative Oncogenomic Analysis of Copy Number Alterations in Human and Zebrafish Tumors Enables Cancer Driver Discovery. <i>PLoS Genetics</i> , 2013, 9, e1003734.	3.5	30
693	miR-182 and miR-10a Are Key Regulators of Treg Specialisation and Stability during Schistosome and Leishmania-associated Inflammation. <i>PLoS Pathogens</i> , 2013, 9, e1003451.	4.7	105
694	MicroRNA Transcriptomes Relate Intermuscular Adipose Tissue to Metabolic Risk. <i>International Journal of Molecular Sciences</i> , 2013, 14, 8611-8624.	4.1	17
695	Composition and Expression of Conserved MicroRNA Genes in Diploid Cotton ( <i>Gossypium</i> ) Species. <i>Genome Biology and Evolution</i> , 2013, 5, 2449-2459.	2.5	35



#	ARTICLE	IF	CITATIONS
696	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.	3.0	7
697	isomiRID: a framework to identify microRNA isoforms. Bioinformatics, 2013, 29, 2521-2523.	4.1	45
698	The Prognostic Value of MicroRNAs Varies with Patient Race/Ethnicity and Stage of Colorectal Cancer. Clinical Cancer Research, 2013, 19, 3955-3965.	7.0	109
699	Upregulation of a small vault RNA (svtRNA2-1a) is an early event in Parkinson disease and induces neuronal dysfunction. RNA Biology, 2013, 10, 1093-1106.	3.1	44
700	NF-Y coassociates with FOS at promoters, enhancers, repetitive elements, and inactive chromatin regions, and is stereo-positioned with growth-controlling transcription factors. Genome Research, 2013, 23, 1195-1209.	5.5	127
701	Clusters of microRNAs emerge by new hairpins in existing transcripts. Nucleic Acids Research, 2013, 41, 7745-7752.	14.5	84
702	Identification of miRNA encoded by <i>Jatropha curcas</i> from EST and GSS. Plant Signaling and Behavior, 2013, 8, e23152.	2.4	31
703	Alterations of DNA methylome in human bladder cancer. Epigenetics, 2013, 8, 1013-1022.	2.7	55
704	miR-106b Fine Tunes ATG16L1 Expression and Autophagic Activity in Intestinal Epithelial HCT116 Cells. Inflammatory Bowel Diseases, 2013, 19, 2295-2301.	1.9	64
705	Using microRNA as an Alternative Treatment for Hyperlipidemia and Cardiovascular Disease. Journal of Cardiovascular Pharmacology, 2013, 62, 247-254.	1.9	24
706	Continuing analysis of microRNA origins. Mobile Genetic Elements, 2013, 3, e27755.	1.8	35
707	The majority of endogenous microRNA targets within Alu elements avoid the microRNA machinery. Bioinformatics, 2013, 29, 894-902.	4.1	30
708	CoLlde. RNA Biology, 2013, 10, 1221-1230.	3.1	28
709	Viability, Longevity, and Egg Production of <i>Drosophila melanogaster</i> Are Regulated by the miR-282 microRNA. Genetics, 2013, 195, 469-480.	2.9	41
710	Circularized synthetic oligodeoxynucleotides serve as promoterless RNA polymerase III templates for small RNA generation in human cells. Nucleic Acids Research, 2013, 41, 2552-2564.	14.5	21
711	MicroRNA Precursors Are Not Structurally Robust but Plastic. Genome Biology and Evolution, 2013, 5, 181-186.	2.5	2
712	Identification of radiation-induced microRNA transcriptome by next-generation massively parallel sequencing. Journal of Radiation Research, 2013, 54, 808-822.	1.6	73
713	Human MicroRNAs Originated from Two Periods at Accelerated Rates in Mammalian Evolution. Molecular Biology and Evolution, 2013, 30, 613-626.	8.9	34



#	ARTICLE	IF	CITATIONS
714	HAMR: high-throughput annotation of modified ribonucleotides. <i>Rna</i> , 2013, 19, 1684-1692.	3.5	125
715	TSGene: a web resource for tumor suppressor genes. <i>Nucleic Acids Research</i> , 2013, 41, D970-D976.	14.5	295
716	MicroRNA as therapeutic targets for treatment of depression. <i>Neuropsychiatric Disease and Treatment</i> , 2013, 9, 1011.	2.2	45
717	ERISdb: A Database of Plant Splice Sites and Splicing Signals. <i>Plant and Cell Physiology</i> , 2013, 54, e10-e10.	3.1	55
718	miRNAs: Small Genes with Big Potential in Metazoan Phylogenetics. <i>Molecular Biology and Evolution</i> , 2013, 30, 2369-2382.	8.9	118
719	The detection of microRNA associated with Alzheimer's disease in biological fluids using next-generation sequencing technologies. <i>Frontiers in Genetics</i> , 2013, 4, 150.	2.3	103
720	Non-redundant compendium of human ncRNA genes in GeneCards. <i>Bioinformatics</i> , 2013, 29, 255-261.	4.1	41
721	Genetic regulation of human adipose microRNA expression and its consequences for metabolic traits. <i>Human Molecular Genetics</i> , 2013, 22, 3023-3037.	2.9	72
722	Popular Computational Methods to Assess Multiprotein Complexes Derived From Label-Free Affinity Purification and Mass Spectrometry (AP-MS) Experiments. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1-13.	3.8	46
723	Global profiling of miRNAs and the hairpin precursors: insights into miRNA processing and novel miRNA discovery. <i>Nucleic Acids Research</i> , 2013, 41, 3619-3634.	14.5	55
725	miRspring: a compact standalone research tool for analyzing miRNA-seq data. <i>Nucleic Acids Research</i> , 2013, 41, e147-e147.	14.5	32
726	Rfam 11.0: 10 years of RNA families. <i>Nucleic Acids Research</i> , 2013, 41, D226-D232.	14.5	745
727	Characterization and Comparative Profiling of miRNAs in Invasive <i>Bemisia tabaci</i> (Gennadius) B and Q. <i>PLoS ONE</i> , 2013, 8, e59884.	2.5	15
728	Design of siRNA Therapeutics from the Molecular Scale. <i>Pharmaceuticals</i> , 2013, 6, 440-468.	3.8	33
729	Citrus tristeza virus: evolution of complex and varied genotypic groups. <i>Frontiers in Microbiology</i> , 2013, 4, 93.	3.5	130
730	An Integrated Analysis Method for miRNA, lncRNA and mRNA Profiles Based on Their Functional and Positional Relationships. <i>Engineering</i> , 2013, 05, 38-41.	0.8	2
731	RhesusBase: a knowledgebase for the monkey research community. <i>Nucleic Acids Research</i> , 2013, 41, D892-D905.	14.5	27
732	Characterization of Novel Precursor miRNAs Using Next Generation Sequencing and Prediction of miRNA Targets in Atlantic Halibut. <i>PLoS ONE</i> , 2013, 8, e61378.	2.5	27

#	ARTICLE	IF	CITATIONS
733	Poisson factor models with applications to non-normalized microRNA profiling. <i>Bioinformatics</i> , 2013, 29, 1105-1111.	4.1	22
734	The not-so-neutral role of microRNAs in neutrophil biology. <i>Journal of Leukocyte Biology</i> , 2013, 94, 575-583.	3.3	34
735	DIANA-LncBase: experimentally verified and computationally predicted microRNA targets on long non-coding RNAs. <i>Nucleic Acids Research</i> , 2013, 41, D239-D245.	14.5	327
736	Deciphering the transcriptional regulation of microRNA genes in humans with ACTLocator. <i>Nucleic Acids Research</i> , 2013, 41, e5-e5.	14.5	11
737	Computational identification of functional introns: high positional conservation of introns that harbor RNA genes. <i>Nucleic Acids Research</i> , 2013, 41, 5604-5613.	14.5	18
738	MREdictor: a two-step dynamic interaction model that accounts for mRNA accessibility and Pumilio binding accurately predicts microRNA targets. <i>Nucleic Acids Research</i> , 2013, 41, 8421-8433.	14.5	25
739	Clinical implications of microRNAs in human glioblastoma. <i>Frontiers in Oncology</i> , 2013, 3, 19.	2.8	48
740	Circulating MicroRNAs as Biomarkers of Prostate Cancer: The State of Play. <i>Prostate Cancer</i> , 2013, 2013, 1-10.	0.6	48
741	Single Nucleotide Polymorphisms Associated with MicroRNA Regulation. <i>Biomolecules</i> , 2013, 3, 287-302.	4.0	51
742	Development of MicroRNA Therapeutics for Hepatocellular Carcinoma. <i>Diagnostics</i> , 2013, 3, 170-191.	2.6	22
743	Involvement of microRNA-related regulatory pathways in the glucose-mediated control of Arabidopsis early seedling development. <i>Journal of Experimental Botany</i> , 2013, 64, 4301-4312.	4.8	20
744	SomamiR: a database for somatic mutations impacting microRNA function in cancer. <i>Nucleic Acids Research</i> , 2013, 41, D977-D982.	14.5	87
745	Cross-kingdom sequence similarities between human micro-RNAs and plant viruses. <i>Communicative and Integrative Biology</i> , 2013, 6, e24951.	1.4	12
746	A Deep Sequencing Approach to Uncover the miRNOME in the Human Heart. <i>PLoS ONE</i> , 2013, 8, e57800.	2.5	88
747	Conserved miRNAs Are Candidate Post-Transcriptional Regulators of Developmental Arrest in Free-Living and Parasitic Nematodes. <i>Genome Biology and Evolution</i> , 2013, 5, 1246-1260.	2.5	31
748	<i>AB INITIO</i> HUMAN miRNA AND PRE-miRNA PREDICTION. <i>Journal of Bioinformatics and Computational Biology</i> , 2013, 11, 1343009.	0.8	3
749	Plasma microRNAs serve as biomarkers of therapeutic efficacy and disease progression in hypertension-induced heart failure. <i>European Journal of Heart Failure</i> , 2013, 15, 650-659.	7.1	146
750	MicroRNAs in domestic livestock. <i>Physiological Genomics</i> , 2013, 45, 685-696.	2.3	38

#	ARTICLE	IF	CITATIONS
751	MicroRNA-376a Sensitizes Cells Following DNA Damage by Downregulating MEPE Expression. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2013, 28, 523-529.	1.0	9
752	MicroRNA expression in chronic lymphocytic leukemia developing autoimmune hemolytic anemia. <i>Leukemia and Lymphoma</i> , 2013, 54, 2016-2022.	1.3	26
753	Identification of serum and tissue micro-RNA expression profiles in different stages of inflammatory bowel disease. <i>Clinical and Experimental Immunology</i> , 2013, 173, 250-258.	2.6	109
754	Genome-Wide Analyses of <i>Amphioxus</i> MicroRNAs Reveal an Immune Regulation via miR-92d Targeting C3. <i>Journal of Immunology</i> , 2013, 190, 1491-1500.	0.8	27
755	Linc2GO: a human LincRNA function annotation resource based on ceRNA hypothesis. <i>Bioinformatics</i> , 2013, 29, 2221-2222.	4.1	103
756	Rice Annotation Project Database (RAP-DB): An Integrative and Interactive Database for Rice Genomics. <i>Plant and Cell Physiology</i> , 2013, 54, e6-e6.	3.1	614
757	Identifying hsa-miR-122 target sites in HCV isolate JFH-1. , 2013, , .		0
758	ChIPBase: a database for decoding the transcriptional regulation of long non-coding RNA and microRNA genes from ChIP-Seq data. <i>Nucleic Acids Research</i> , 2013, 41, D177-D187.	14.5	293
759	In silico identification and characterization of conserved miRNAs and their target genes in sweet potato ( <i>Ipomoea batatas</i> L.) Expressed Sequence Tags (ESTs). <i>Plant Signaling and Behavior</i> , 2013, 8, e26543.	2.4	45
760	MicroRNAs Regulate Tumor Angiogenesis Modulated by Endothelial Progenitor Cells. <i>Cancer Research</i> , 2013, 73, 341-352.	0.9	122
761	Identification of conserved microRNAs and their targets in chickpea ( <i>Cicer arietinum</i> L.). <i>Plant Signaling and Behavior</i> , 2013, 8, e23604.	2.4	12
762	miRr2.0: A PLATFORM FOR ASSESSING THE JOINT ACTION OF MICRORNAS IN CELL REGULATION. <i>Journal of Bioinformatics and Computational Biology</i> , 2013, 11, 1343012.	0.8	2
763	MicroRNAs in the tumour microenvironment: big role for small players. <i>Endocrine-Related Cancer</i> , 2013, 20, R257-R267.	3.1	47
764	Structure, evolution and function of the bi-directionally transcribed iab-4/iab-8 microRNA locus in arthropods. <i>Nucleic Acids Research</i> , 2013, 41, 3352-3361.	14.5	32
765	The 5'â€²-3'â€² exoribonuclease Pacman (Xrn1) regulates expression of the heat shock protein Hsp67Bc and the microRNA miR-277â€³p in <i>Drosophila</i> wing imaginal discs. <i>RNA Biology</i> , 2013, 10, 1345-1355.	3.1	26
766	The locus of microRNA-10b. <i>Cell Cycle</i> , 2013, 12, 2371-2375.	2.6	37
767	Polymorphisms affecting miRNA regulation: a new level of genetic variation affecting disorders and diseases of the human CNS. <i>Future Neurology</i> , 2013, 8, 411-431.	0.5	3
769	BSRD: a repository for bacterial small regulatory RNA. <i>Nucleic Acids Research</i> , 2013, 41, D233-D238.	14.5	104

#	ARTICLE	IF	CITATIONS
770	A global map for dissecting phenotypic variants in human lincRNAs. <i>European Journal of Human Genetics</i> , 2013, 21, 1128-1133.	2.8	25
771	YM500: a small RNA sequencing (smRNA-seq) database for microRNA research. <i>Nucleic Acids Research</i> , 2013, 41, D285-D294.	14.5	60
772	GenomeRNAi: a database for cell-based and in vivo RNAi phenotypes, 2013 update. <i>Nucleic Acids Research</i> , 2013, 41, D1021-D1026.	14.5	135
773	Diagnostic and prognostic value of plasma microRNA deregulation in nasopharyngeal carcinoma. <i>Cancer Biology and Therapy</i> , 2013, 14, 1133-1142.	3.4	63
774	Distinct MicroRNA Expression Profile and Targeted Biological Pathways in Functional Myeloid-derived Suppressor Cells Induced by $\delta^9$ -Tetrahydrocannabinol in Vivo. <i>Journal of Biological Chemistry</i> , 2013, 288, 36810-36826.	3.4	83
775	MicroRNAs in farm animals. <i>Animal</i> , 2013, 7, 1567-1575.	3.3	37
776	CluePedia Cytoscape plugin: pathway insights using integrated experimental and <i>in silico</i> data. <i>Bioinformatics</i> , 2013, 29, 661-663.	4.1	958
777	Small RNA-mediated regulation of host-pathogen interactions. <i>Virulence</i> , 2013, 4, 785-795.	4.4	64
778	DIANA-microT web server v5.0: service integration into miRNA functional analysis workflows. <i>Nucleic Acids Research</i> , 2013, 41, W169-W173.	14.5	1,036
779	Clear cell renal cell carcinoma associated microRNA expression signatures identified by an integrated bioinformatics analysis. <i>Journal of Translational Medicine</i> , 2013, 11, 169.	4.4	52
781	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, 33-45.	1.5	0
782	Parallel analysis of RNA ends enhances global investigation of microRNAs and target RNAs of <i>Brachypodium distachyon</i> . <i>Genome Biology</i> , 2013, 14, R145.	9.6	67
784	HuntMi: an efficient and taxon-specific approach in pre-miRNA identification. <i>BMC Bioinformatics</i> , 2013, 14, 83.	2.6	67
785	Integrated RNA-seq and sRNA-seq analysis identifies novel nitrate-responsive genes in <i>Arabidopsis thaliana</i> roots. <i>BMC Genomics</i> , 2013, 14, 701.	2.8	76
786	Functional analysis of microRNA and transcription factor synergistic regulatory network based on identifying regulatory motifs in non-small cell lung cancer. <i>BMC Systems Biology</i> , 2013, 7, 122.	3.0	24
787	Comparison of Cis- and Oxaliplatin-induced Destabilization of 15-mer DNA-RNA Duplexes by Binding to Centrally Located GG- and GNG Sequences. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1655-1660.	1.2	5
788	Analysis of microRNA expression profile by small RNA sequencing in Down syndrome fetuses. <i>International Journal of Molecular Medicine</i> , 2013, 32, 1115-1125.	4.0	32
789	From microRNA functions to microRNA therapeutics: Novel targets and novel drugs in breast cancer research and treatment. <i>International Journal of Oncology</i> , 2013, 43, 985-994.	3.3	114

#	ARTICLE	IF	CITATIONS
790	The microRNA-200 family targets multiple non-small cell lung cancer prognostic markers in H1299 cells and BEAS-2B cells. <i>International Journal of Oncology</i> , 2013, 43, 548-560.	3.3	78
791	microRNA and gene networks in human pancreatic cancer. <i>Oncology Letters</i> , 2013, 6, 1133-1139.	1.8	19
792	Actin-binding protein regulation by microRNAs as a novel microbial strategy to modulate phagocytosis by host cells: the case of N-Wasp and miR-142-3p. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 19.	3.9	76
793	MicroRNAs as tools to predict glucocorticoid response in inflammatory bowel diseases. <i>World Journal of Gastroenterology</i> , 2013, 19, 7947.	3.3	26
794	MicroRNA Target Identification—Experimental Approaches. <i>Biology</i> , 2013, 2, 189-205.	2.8	37
795	MicroRNA discovery by similarity search to a database of RNA-seq profiles. <i>Frontiers in Genetics</i> , 2013, 4, 133.	2.3	8
796	Role of microRNAs in the immune system, inflammation and cancer. <i>World Journal of Gastroenterology</i> , 2013, 19, 2985.	3.3	160
797	Identification and Validation of Human Papillomavirus Encoded microRNAs. <i>PLoS ONE</i> , 2013, 8, e70202.	2.5	61
798	MicroRNAs may solve the mystery of chronic hepatitis B virus infection. <i>World Journal of Gastroenterology</i> , 2013, 19, 4867.	3.3	25
799	Approaches to manipulating microRNAs in neurogenesis. <i>Frontiers in Neuroscience</i> , 2012, 6, 196.	2.8	34
800	The codon information index: a quantitative measure of the information provided by the codon bias. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P04031.	2.3	1
801	A novel over-sampling method and its application to miRNA prediction. <i>Journal of Biomedical Science and Engineering</i> , 2013, 06, 236-248.	0.4	4
802	Age-related changes in microRNA levels in serum. <i>Aging</i> , 2013, 5, 725-740.	3.1	257
803	Nickel and Epigenetic Gene Silencing. <i>Genes</i> , 2013, 4, 583-595.	2.4	42
804	Evaluating the Association Between Keratoconus and the Corneal Thickness Genes in an Independent Australian Population. , 2013, 54, 8224.		57
805	Characterization of microRNAs from goat ( <i>Capra hircus</i> ) by Solexa deep-sequencing technology. <i>Genetics and Molecular Research</i> , 2013, 12, 1951-1961.	0.2	12
806	MIR449A (microRNA 449a). <i>Atlas of Genetics and Cytogenetics in Oncology and Haematology</i> , 2013, , .	0.1	2
807	MicroRNA dysregulation in B-cell non-Hodgkin lymphoma. <i>Blood and Lymphatic Cancer: Targets and Therapy</i> , 2013, , 25.	2.7	0

#	ARTICLE	IF	CITATIONS
808	Functions of microRNA in response to cocaine stimulation. Genetics and Molecular Research, 2013, 12, 6160-6167.	0.2	9
809	MicroRNAs as Essential Components of Non-Coding Genome are Emerging Key Players of Oncogenesis. Molecular Biology (Los Angeles, Calif ), 2013, 2, .	0.0	0
810	Identification and characterisation of microRNAs in young adults of Angiostrongylus cantonensis via a deep-sequencing approach. Memorias Do Instituto Oswaldo Cruz, 2013, 108, 699-706.	1.6	9
811	In-Silico Algorithms for the Screening of Possible microRNA Binding Sites and Their Interactions. Current Genomics, 2013, 14, 127-136.	1.6	63
812	A simple high-throughput technology enables gain-of-function screening of human microRNAs. BioTechniques, 2013, 54, 77-86.	1.8	8
813	A Look to the Future. , 2013, , 117-131.		0
814	Computational Identification of MicroRNAs from the Expressed Sequence Tags of Toxic Dinoflagellate Alexandrium Tamarense. Evolutionary Bioinformatics, 2013, 9, EBO.S12899.	1.2	14
815	Polymorphisms in the Gene Regions of the Adaptor Complex LAMTOR2/LAMTOR3 and Their Association with Breast Cancer Risk. PLoS ONE, 2013, 8, e53768.	2.5	9
816	The Sequence Structures of Human MicroRNA Molecules and Their Implications. PLoS ONE, 2013, 8, e54215.	2.5	56
817	Next Generation Sequencing Reveals the Expression of a Unique miRNA Profile in Response to a Gram-Positive Bacterial Infection. PLoS ONE, 2013, 8, e57543.	2.5	93
818	Genome-Wide Identification of Bone Metastasis-Related MicroRNAs in Lung Adenocarcinoma by High-Throughput Sequencing. PLoS ONE, 2013, 8, e61212.	2.5	25
819	Dissection of Protein Interactomics Highlights MicroRNA Synergy. PLoS ONE, 2013, 8, e63342.	2.5	27
820	Distinctive Profile of IsomiR Expression and Novel MicroRNAs in Rat Heart Left Ventricle. PLoS ONE, 2013, 8, e65809.	2.5	34
821	Global Profiling in Vestibular Schwannomas Shows Critical Deregulation of MicroRNAs and Upregulation in Those Included in Chromosomal Region 14q32. PLoS ONE, 2013, 8, e65868.	2.5	30
822	The miRNA Pathway Controls Rapid Changes in Activity-Dependent Synaptic Structure at the Drosophila melanogaster Neuromuscular Junction. PLoS ONE, 2013, 8, e68385.	2.5	39
823	Inferring Potential microRNA-microRNA Associations Based on Targeting Propensity and Connectivity in the Context of Protein Interaction Network. PLoS ONE, 2013, 8, e69719.	2.5	22
824	Genome-Wide Analysis of Small RNA and Novel MicroRNA Discovery during Fiber and Seed Initial Development in Gossypium hirsutum. L. PLoS ONE, 2013, 8, e69743.	2.5	17
825	Characterization and Evolution of Conserved MicroRNA through Duplication Events in Date Palm (Phoenix dactylifera). PLoS ONE, 2013, 8, e71435.	2.5	22

#	ARTICLE	IF	CITATIONS
826	Performance Comparison of Digital microRNA Profiling Technologies Applied on Human Breast Cancer Cell Lines. PLoS ONE, 2013, 8, e75813.	2.5	25
827	Identification of microRNAs in Wool Follicles during Anagen, Catagen, and Telogen Phases in Tibetan Sheep. PLoS ONE, 2013, 8, e77801.	2.5	75
828	Influence of Plasma Processing on Recovery and Analysis of Circulating Nucleic Acids. PLoS ONE, 2013, 8, e77963.	2.5	159
829	iSubgraph: Integrative Genomics for Subgroup Discovery in Hepatocellular Carcinoma Using Graph Mining and Mixture Models. PLoS ONE, 2013, 8, e78624.	2.5	9
830	Identification and Characterization of MicroRNAs in the Leaf of Ma Bamboo (Dendrocalamus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 582	2.5	19
831	Signature of Circulating MicroRNAs as Potential Biomarkers in Vulnerable Coronary Artery Disease. PLoS ONE, 2013, 8, e80738.	2.5	169
832	Deep Sequencing of Small RNA Repertoires in Mice Reveals Metabolic Disorders-Associated Hepatic miRNAs. PLoS ONE, 2013, 8, e80774.	2.5	28
833	CyTargetLinker: A Cytoscape App to Integrate Regulatory Interactions in Network Analysis. PLoS ONE, 2013, 8, e82160.	2.5	117
834	Molecular Mechanisms of Regulation and Action of microRNA-199a in Testicular Germ Cell Tumor and Glioblastomas. PLoS ONE, 2013, 8, e83980.	2.5	29
835	Distinct MicroRNAs Expression Profile in Primary Biliary Cirrhosis and Evaluation of miR 505-3p and miR197-3p as Novel Biomarkers. PLoS ONE, 2013, 8, e66086.	2.5	77
836	Intrinsic Features in MicroRNA Transcriptomes Link Porcine Visceral Rather than Subcutaneous Adipose Tissues to Metabolic Risk. PLoS ONE, 2013, 8, e80041.	2.5	24
837	Deciphering Small Noncoding RNAs during the Transition from Dormant Embryo to Germinated Embryo in Larches (Larix leptolepis). PLoS ONE, 2013, 8, e81452.	2.5	27
838	miRNAs mediate SnRK1-dependent energy signaling in Arabidopsis. Frontiers in Plant Science, 2013, 4, 197.	3.6	64
839	Comparison of non-coding RNAs in human and canine cancer. Frontiers in Genetics, 2013, 4, 46.	2.3	24
840	Abundances of microRNAs in human cells can be estimated as a function of the abundances of YRHB and RHHK tetranucleotides in these microRNAs as an ill-posed inverse problem solution. Frontiers in Genetics, 2013, 4, 122.	2.3	3
841	Mammalian miRNA curation through next-generation sequencing. Frontiers in Genetics, 2013, 4, 145.	2.3	36
842	Genetics and epigenetics of arrhythmia and heart failure. Frontiers in Genetics, 2013, 4, 219.	2.3	59
843	Genome-wide multi-omics profiling of colorectal cancer identifies immune determinants strongly associated with relapse. Frontiers in Genetics, 2013, 4, 236.	2.3	31



#	ARTICLE	IF	CITATIONS
844	MicroRNAs in sensorineural diseases of the ear. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 52.	2.9	38
845	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.	4.1	27
846	Influence of microRNA on the Maintenance of Human Iron Metabolism. <i>Nutrients</i> , 2013, 5, 2611-2628.	4.1	48
847	NRF2-ome: An Integrated Web Resource to Discover Protein Interaction and Regulatory Networks of NRF2. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-9.	4.0	38
848	Dynamic Evolution of Rht-1 Homologous Regions in Grass Genomes. <i>PLoS ONE</i> , 2013, 8, e75544.	2.5	3
849	Simultaneous Detection of Different MicroRNA Types Using the ZIP-Code Array System. <i>Journal of Nucleic Acids</i> , 2013, 2013, 1-13.	1.2	5
850	Base Composition Characteristics of Mammalian miRNAs. <i>Journal of Nucleic Acids</i> , 2013, 2013, 1-6.	1.2	24
851	Emerging Biomarkers in Glioblastoma. <i>Cancers</i> , 2013, 5, 1103-1119.	3.7	80
852	The Molecular Basis of ABA-Mediated Plant Response to Drought. , 0, , .		21
853	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.	3.3	81
854	Is CCDC26 a Novel Cancer-Associated Long-Chain Non-Coding RNA?. , 2013, , .		1
855	MicroRNAome of Vascular Smooth Muscle Cells: Potential for MicroRNA-Based Vascular Therapies. , 2013, , .		2
856	Flax Inorganic Phosphate Deficiency Responsive miRNAs. <i>Journal of Agricultural Science</i> , 2013, 6, .	0.2	6
857	Ribosomal protein SA and its pseudogenes in ruminants: an extremely conserved gene family. <i>Czech Journal of Animal Science</i> , 2013, 58, 79-90.	1.3	2
858	Inside Arbuscular Mycorrhizal Roots â€œ Molecular Probes to Understand the Symbiosis. <i>Plant Genome</i> , 2013, 6, plantgenome2012.06.0007.	2.8	19
859	The miRNA Plasma Signature in Response to Acute Aerobic Exercise and Endurance Training. <i>PLoS ONE</i> , 2014, 9, e87308.	2.5	247
860	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.	2.5	70
861	Transcriptome-Wide Analysis of UTRs in Non-Small Cell Lung Cancer Reveals Cancer-Related Genes with SNV-Induced Changes on RNA Secondary Structure and miRNA Target Sites. <i>PLoS ONE</i> , 2014, 9, e82699.	2.5	30



#	ARTICLE	IF	CITATIONS
862	In Silico Prediction and In Vivo Validation of <i>Daphnia pulex</i> MicroRNAs. PLoS ONE, 2014, 9, e83708.	2.5	8
863	Accuracy of MicroRNA Discovery Pipelines in Non-Model Organisms Using Closely Related Species Genomes. PLoS ONE, 2014, 9, e84747.	2.5	18
864	Sequencing, De Novo Assembly and Annotation of the Colorado Potato Beetle, <i>Leptinotarsa decemlineata</i> , Transcriptome. PLoS ONE, 2014, 9, e86012.	2.5	60
865	The Role of Viral and Host MicroRNAs in the Aujeszky's Disease Virus during the Infection Process. PLoS ONE, 2014, 9, e86965.	2.5	21
866	pY RNA1-s2: A Highly Retina-Enriched Small RNA That Selectively Binds to Matrin 3 (Matr3). PLoS ONE, 2014, 9, e88217.	2.5	16
867	Forkhead box C2 Promoter Variant c.-512C>T Is Associated with Increased Susceptibility to Chronic Venous Diseases. PLoS ONE, 2014, 9, e90682.	2.5	25
868	Potential Regulatory Role of MicroRNAs in the Development of Bovine Gastrointestinal Tract during Early Life. PLoS ONE, 2014, 9, e92592.	2.5	78
869	Characterization of <i>Withania somnifera</i> Leaf Transcriptome and Expression Analysis of Pathogenesis Related Genes during Salicylic Acid Signaling. PLoS ONE, 2014, 9, e94803.	2.5	26
870	Rapid and Efficient Isolation of High-Quality Small RNAs from Recalcitrant Plant Species Rich in Polyphenols and Polysaccharides. PLoS ONE, 2014, 9, e95687.	2.5	34
871	Extending the sRNAome of Apple by Next-Generation Sequencing. PLoS ONE, 2014, 9, e95782.	2.5	17
872	Certain Adenylated Non-Coding RNAs, Including 5' Leader Sequences of Primary MicroRNA Transcripts, Accumulate in Mouse Cells following Depletion of the RNA Helicase MTR4. PLoS ONE, 2014, 9, e99430.	2.5	5
873	Genome-Wide Identification and Characterization of Long Intergenic Non-Coding RNAs in <i>Ganoderma lucidum</i> . PLoS ONE, 2014, 9, e99442.	2.5	34
874	Visualizing Molecular Profiles of Glioblastoma with GBM-BioDP. PLoS ONE, 2014, 9, e101239.	2.5	52
875	Plant microRNA-Target Interaction Identification Model Based on the Integration of Prediction Tools and Support Vector Machine. PLoS ONE, 2014, 9, e103181.	2.5	18
876	Exploring MicroRNA-Like Small RNAs in the Filamentous Fungus <i>Fusarium oxysporum</i> . PLoS ONE, 2014, 9, e104956.	2.5	100
877	Patterns of MiRNA Expression in Arctic Charr Development. PLoS ONE, 2014, 9, e106084.	2.5	22
878	An Exploration of Evolution, Maturation, Expression and Function Relationships in Mir-23~1/427~1/424 Cluster. PLoS ONE, 2014, 9, e106223.	2.5	23
879	The Crosstalk between IL-22 Signaling and miR-197 in Human Keratinocytes. PLoS ONE, 2014, 9, e107467.	2.5	46

#	ARTICLE	IF	CITATIONS
880	LncRBase: An Enriched Resource for lncRNA Information. PLoS ONE, 2014, 9, e108010.	2.5	60
881	The Characterization of microRNA-Mediated Gene Regulation as Impacted by Both Target Site Location and Seed Match Type. PLoS ONE, 2014, 9, e108260.	2.5	13
882	Identification and Characterization of Wilt and Salt Stress-Responsive MicroRNAs in Chickpea through High-Throughput Sequencing. PLoS ONE, 2014, 9, e108851.	2.5	101
883	Role of MicroRNA Modulation in the Interferon- $\alpha$ /Ribavirin Suppression of HIV-1 In Vivo. PLoS ONE, 2014, 9, e109220.	2.5	7
884	Identification and Expression Profiling of MicroRNAs in the Brain, Liver and Gonads of Marine Medaka ( <i>Oryzias melastigma</i> ) and in Response to Hypoxia. PLoS ONE, 2014, 9, e110698.	2.5	68
885	Identification of Most Stable Endogenous Control Genes for MicroRNA Quantification in the Developing Mouse Lung. PLoS ONE, 2014, 9, e111855.	2.5	14
886	The Bull Sperm MicroRNAome and the Effect of Fescue Toxicosis on Sperm MicroRNA Expression. PLoS ONE, 2014, 9, e113163.	2.5	30
887	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
888	MicroRNA-Target Binding Structures Mimic MicroRNA Duplex Structures in Humans. PLoS ONE, 2014, 9, e88806.	2.5	3
889	Discovery of Novel Leaf Rust Responsive microRNAs in Wheat and Prediction of Their Target Genes. Journal of Nucleic Acids, 2014, 2014, 1-12.	1.2	28
890	MicroRNA-206: a Promising Theranostic Marker. Theranostics, 2014, 4, 119-133.	10.0	48
891	Role of microRNA in epithelial to mesenchymal transition and metastasis and clinical perspectives. Cancer Management and Research, 2014, 6, 205.	1.9	144
892	Single-Nucleotide Polymorphisms Within MicroRNAs Sequences and Their 3' UTR Target Sites May Regulate Gene Expression in Gastrointestinal Tract Cancers. Iranian Red Crescent Medical Journal, 2014, 16, e16659.	0.5	20
893	MicroRNAs regulate neuronal plasticity and are involved in pain mechanisms. Frontiers in Cellular Neuroscience, 2014, 8, 31.	3.7	48
894	microRNAs in axon guidance. Frontiers in Cellular Neuroscience, 2014, 8, 78.	3.7	42
895	Circulating miRNAs as Biomarkers for Neurodegenerative Disorders. Molecules, 2014, 19, 6891-6910.	3.8	167
896	MicroRNA function and dysregulation in bone tumors: the evidence to date. Cancer Management and Research, 2014, 6, 15.	1.9	73
897	Hypoxia-Induced Deregulation of miR-126 and Its Regulative Effect on VEGF and MMP-9 Expression. International Journal of Medical Sciences, 2014, 11, 17-23.	2.5	101

#	ARTICLE	IF	CITATIONS
898	Oxidative damage in the progression of chronic liver disease to hepatocellular carcinoma: An intricate pathway. <i>World Journal of Gastroenterology</i> , 2014, 20, 3078.	3.3	58
899	Radiation-Induced Crosstalk between MicroRNAs and Proteins of the Endothelium: In silico Analysis. <i>Journal of Proteomics and Bioinformatics</i> , 2014, 07, .	0.4	6
900	Prediction of MicroRNA Precursors Using Parsimonious Feature Sets. <i>Cancer Informatics</i> , 2014, 13s1, CIN.S13877.	1.9	2
901	MicroRNAs and Lipoprotein Metabolism. <i>Journal of Atherosclerosis and Thrombosis</i> , 2014, 21, 17-22.	2.0	24
902	MicroRNAs in nasopharyngeal carcinoma. <i>Chinese Journal of Cancer</i> , 2014, 33, 539-544.	4.9	35
903	MicroRNAs as controlled systems and controllers in non-alcoholic fatty liver disease. <i>World Journal of Gastroenterology</i> , 2014, 20, 15079.	3.3	51
905	Posttranscriptional Regulation of Intestinal Epithelial Tight Junction Barrier by RNA-binding Proteins and microRNAs. <i>Tissue Barriers</i> , 2014, 2, e28320.	3.2	50
906	MicroRNA expression as an indicator of tissue toxicity. , 2014, , 1003-1018.		5
907	Identification of 14-3-3 <sup>β</sup> Gene as a Novel miR-152 Target Using a Proteome-based Approach. <i>Journal of Biological Chemistry</i> , 2014, 289, 31121-31135.	3.4	22
908	Virus-Encoded MicroRNAs Facilitate Gammaherpesvirus Latency and Pathogenesis <i>In Vivo</i> . <i>MBio</i> , 2014, 5, e00981-14.	4.1	68
909	A Novel Class of Somatic Small RNAs Similar to Germ Cell Pachytene PIWI-interacting Small RNAs*. <i>Journal of Biological Chemistry</i> , 2014, 289, 32824-32834.	3.4	25
910	Small indels induced by CRISPR/Cas9 in the 5' region of microRNA lead to its depletion and Drosha processing retardance. <i>RNA Biology</i> , 2014, 11, 1243-1249.	3.1	31
911	Whole Exome Sequencing Implicates an <i>INO80D</i> Mutation in a Syndrome of Aortic Hypoplasia, Premature Atherosclerosis, and Arterial Stiffness. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 607-614.	5.1	21
912	Extensive sequence variation in the 3' untranslated region of the <i>KRAS</i> gene in lung and ovarian cancer cases. <i>Cell Cycle</i> , 2014, 13, 1030-1040.	2.6	39
913	CLOCK-Controlled Polyphonic Regulation of Circadian Rhythms through Canonical and Noncanonical E-Boxes. <i>Molecular and Cellular Biology</i> , 2014, 34, 1776-1787.	2.3	99
914	The diversity of small non-coding RNAs in the diatom <i>Phaeodactylum tricornutum</i> . <i>BMC Genomics</i> , 2014, 15, 698.	2.8	40
915	MicroRNA-34 family expression in bovine gametes and preimplantation embryos. <i>Reproductive Biology and Endocrinology</i> , 2014, 12, 85.	3.3	63
916	Integrated analysis of miRNA and mRNA expression profiles in response to Cd exposure in rice seedlings. <i>BMC Genomics</i> , 2014, 15, 835.	2.8	75

#	ARTICLE	IF	CITATIONS
917	Conserved Temporal Patterns of MicroRNA Expression in <i>Drosophila</i> Support a Developmental Hourglass Model. <i>Genome Biology and Evolution</i> , 2014, 6, 2459-2467.	2.5	22
918	Underreplicated Regions in <i>Drosophila melanogaster</i> Are Enriched with Fast-Evolving Genes and Highly Conserved Noncoding Sequences. <i>Genome Biology and Evolution</i> , 2014, 6, 2050-2060.	2.5	12
919	Expression of Herpes Simplex Virus 1 MicroRNAs in Cell Culture Models of Quiescent and Latent Infection. <i>Journal of Virology</i> , 2014, 88, 2337-2339.	3.4	35
920	Imprinted and X-linked non-coding RNAs as potential regulators of human placental function. <i>Epigenetics</i> , 2014, 9, 81-89.	2.7	42
921	Genome-wide identification and functional prediction of novel and drought-responsive lincRNAs in <i>Populus trichocarpa</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 4975-4983.	4.8	273
922	Diversity, expression and mRNA targeting abilities of Argonaute-targeting miRNAs among selected vascular plants. <i>BMC Genomics</i> , 2014, 15, 1049.	2.8	32
923	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.	8.8	252
924	Coordinated aberrant expression of miRNAs in colon cancer. <i>Russian Journal of Genetics</i> , 2014, 50, 1090-1101.	0.6	8
925	Multiple Rice MicroRNAs Are Involved in Immunity against the Blast Fungus <i>Magnaporthe oryzae</i> . <i>Plant Physiology</i> , 2014, 164, 1077-1092.	4.8	310
926	RNA Protein Granules Modulate tau Isoform Expression and Induce Neuronal Sprouting. <i>Journal of Biological Chemistry</i> , 2014, 289, 16814-16825.	3.4	60
927	The miR-206/133b cluster is dispensable for development, survival and regeneration of skeletal muscle. <i>Skeletal Muscle</i> , 2014, 4, 23.	4.2	74
928	Evolution of the miR199-214 cluster and vertebrate skeletal development. <i>RNA Biology</i> , 2014, 11, 281-294.	3.1	54
929	The ability to suppress macrophage-mediated inflammation in orbital fat stem cells is controlled by miR-671-5p. <i>Stem Cell Research and Therapy</i> , 2014, 5, 97.	5.5	27
930	miRNAs can be generally associated with human pathologies as exemplified for miR-144*. <i>BMC Medicine</i> , 2014, 12, 224.	5.5	74
931	Genome-wide association study combined with biological context can reveal more disease-related SNPs altering microRNA target seed sites. <i>BMC Genomics</i> , 2014, 15, 669.	2.8	10
932	Are common fragile sites merely structural domains or highly organized "functional" units susceptible to oncogenic stress?. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 4519-4544.	5.4	52
933	PGS: a tool for association study of high-dimensional microRNA expression data with repeated measures. <i>Bioinformatics</i> , 2014, 30, 2802-2807.	4.1	7
934	Neurodevelopmental and neuropsychiatric disorders represent an interconnected molecular system. <i>Molecular Psychiatry</i> , 2014, 19, 294-301.	7.9	188

#	ARTICLE	IF	CITATIONS
935	Small molecules, big effects: the role of microRNAs in regulation of cardiomyocyte death. <i>Cell Death and Disease</i> , 2014, 5, e1325-e1325.	6.3	50
936	Towards a molecular characterization of autism spectrum disorders: an exome sequencing and systems approach. <i>Translational Psychiatry</i> , 2014, 4, e394-e394.	4.8	57
937	Versatile microRNA biogenesis in animals and their viruses. <i>RNA Biology</i> , 2014, 11, 673-681.	3.1	52
938	TraceRNA: A Web Application for Competing Endogenous RNA Exploration. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 548-557.	5.1	2
939	Beyond the Genome: Epigenetic Mechanisms in Lung Remodeling. <i>Physiology</i> , 2014, 29, 177-185.	3.1	34
940	MicroRNA binding sites in <i>C. elegans</i> 3' UTRs. <i>RNA Biology</i> , 2014, 11, 693-701.	3.1	9
941	Deep Sequencing Insights in Therapeutic shRNA Processing and siRNA Target Cleavage Precision. <i>Molecular Therapy - Nucleic Acids</i> , 2014, 3, e145.	5.1	20
942	Transgenic Plants That Express the Phytoplasma Effector SAP11 Show Altered Phosphate Starvation and Defense Responses. <i>Plant Physiology</i> , 2014, 164, 1456-1469.	4.8	81
943	Regulation of MAP kinase signaling cascade by microRNAs in <i>Oryza sativa</i> . <i>Plant Signaling and Behavior</i> , 2014, 9, e972130.	2.4	41
944	Identifying miRNAs, targets and functions. <i>Briefings in Bioinformatics</i> , 2014, 15, 1-19.	6.5	444
945	RefSeq: an update on mammalian reference sequences. <i>Nucleic Acids Research</i> , 2014, 42, D756-D763.	14.5	892
946	A computational model for non-conserved mature miRNAs from the rice genome. <i>SAR and QSAR in Environmental Research</i> , 2014, 25, 205-220.	2.2	3
948	Navigating the Multilayered Organization of Eukaryotic Signaling: A New Trend in Data Integration. <i>PLoS Computational Biology</i> , 2014, 10, e1003385.	3.2	9
949	The First Myriapod Genome Sequence Reveals Conservative Arthropod Gene Content and Genome Organisation in the Centipede <i>Strigamia maritima</i> . <i>PLoS Biology</i> , 2014, 12, e1002005.	5.6	221
950	5' isomiR variation is of functional and evolutionary importance. <i>Nucleic Acids Research</i> , 2014, 42, 9424-9435.	14.5	203
951	MicroRNAs Involved in the Lipid Metabolism and Their Possible Implications for Atherosclerosis Development and Treatment. <i>Mediators of Inflammation</i> , 2014, 2014, 1-14.	3.0	42
952	A survey of the small RNA population during far-red light-induced apical hook opening. <i>Frontiers in Plant Science</i> , 2014, 5, 156.	3.6	18
953	MicroRNA and gene networks in human diffuse large B-cell lymphoma. <i>Oncology Letters</i> , 2014, 8, 2225-2232.	1.8	10

#	ARTICLE	IF	CITATIONS
954	MicroRNA Regulation of Bovine Monocyte Inflammatory and Metabolic Networks in an <i>In Vivo</i> Infection Model. <i>C3: Genes, Genomes, Genetics</i> , 2014, 4, 957-971.	1.8	62
955	Detection of Circulating Parasite-Derived MicroRNAs in Filarial Infections. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2971.	3.0	86
956	microRNA Profiling. <i>Comprehensive Analytical Chemistry</i> , 2014, 64, 23-46.	1.3	1
957	Profiling miRNAs in nasopharyngeal carcinoma FFPE tissue by microarray and Next Generation Sequencing. <i>Genomics Data</i> , 2014, 2, 285-289.	1.3	13
958	An Integrated Analysis of miRNA, lncRNA, and mRNA Expression Profiles. <i>BioMed Research International</i> , 2014, 2014, 1-12.	1.9	45
959	Noncoding RNAs as Novel Biomarkers in Prostate Cancer. <i>BioMed Research International</i> , 2014, 2014, 1-17.	1.9	83
960	The Potential of MicroRNAs in Personalized Medicine against Cancers. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	26
961	The Clinicopathological Significance of miR-133a in Colorectal Cancer. <i>Disease Markers</i> , 2014, 2014, 1-8.	1.3	22
962	Protein-driven inference of miRNA–disease associations. <i>Bioinformatics</i> , 2014, 30, 392-397.	4.1	190
963	miRror-Suite: decoding coordinated regulation by microRNAs. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, bau043-bau043.	3.0	27
964	miRBase Tracker: keeping track of microRNA annotation changes. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, .	3.0	73
965	Determinants beyond Both Complementarity and Cleavage Govern MicroR159 Efficacy in Arabidopsis. <i>PLoS Genetics</i> , 2014, 10, e1004232.	3.5	47
966	New MicroRNAs in <i>Drosophila</i> —Birth, Death and Cycles of Adaptive Evolution. <i>PLoS Genetics</i> , 2014, 10, e1004096.	3.5	53
967	MicroRNAs, Major Players in B Cells Homeostasis and Function. <i>Frontiers in Immunology</i> , 2014, 5, 98.	4.8	45
968	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.	4.7	233
969	Incorporating epigenetic data into the risk assessment process for the toxic metals arsenic, cadmium, chromium, lead, and mercury: strategies and challenges. <i>Frontiers in Genetics</i> , 2014, 5, 201.	2.3	137
970	A Genotoxic Stress-Responsive miRNA, miR-574-3p, Delays Cell Growth by Suppressing the Enhancer of Rudimentary Homolog Gene in Vitro. <i>International Journal of Molecular Sciences</i> , 2014, 15, 2971-2990.	4.1	22
971	Abnormal Dosage of Ultraconserved Elements Is Highly Disfavored in Healthy Cells but Not Cancer Cells. <i>PLoS Genetics</i> , 2014, 10, e1004646.	3.5	22

#	ARTICLE	IF	CITATIONS
972	The miR9863 Family Regulates Distinct Mla Alleles in Barley to Attenuate NLR Receptor-Triggered Disease Resistance and Cell-Death Signaling. PLoS Genetics, 2014, 10, e1004755.	3.5	121
973	Parasite-Derived MicroRNAs in Host Serum As Novel Biomarkers of Helminth Infection. PLoS Neglected Tropical Diseases, 2014, 8, e2701.	3.0	143
974	MicroRNA Editing Facilitates Immune Elimination of HCMV Infected Cells. PLoS Pathogens, 2014, 10, e1003963.	4.7	40
975	MicroRNAs in the Stressed Heart: Sorting the Signal from the Noise. Cells, 2014, 3, 778-801.	4.1	7
976	Regulatory role of miRNAs in polyamine gene expression in the prefrontal cortex of depressed suicide completers. International Journal of Neuropsychopharmacology, 2014, 17, 23-32.	2.1	99
977	SoyFN: a knowledge database of soybean functional networks. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau019.	3.0	20
978	Draft Sequencing and Analysis of the Genome of Pufferfish Takifugu flavidus. DNA Research, 2014, 21, 627-637.	3.4	20
979	MicroRNA: Important Player in the Pathobiology of Multiple Myeloma. BioMed Research International, 2014, 2014, 1-12.	1.9	43
980	Construction and analysis of regulatory genetic networks in cervical cancer based on involved microRNAs, target genes, transcription factors and host genes. Oncology Letters, 2014, 7, 1279-1283.	1.8	13
981	plantDARIO: web based quantitative and qualitative analysis of small RNA-seq data in plants. Frontiers in Plant Science, 2014, 5, 708.	3.6	20
982	MicroRNA Dysregulation, Gene Networks, and Risk for Schizophrenia in 22q11.2 Deletion Syndrome. Frontiers in Neurology, 2014, 5, 238.	2.4	42
983	Large-Scale Investigation of Human TF-miRNA Relations Based on Coexpression Profiles. BioMed Research International, 2014, 2014, 1-8.	1.9	10
984	Molecular Mechanisms Underlying the Role of MicroRNAs in the Chemoresistance of Pancreatic Cancer. BioMed Research International, 2014, 2014, 1-17.	1.9	42
985	Integrative Analysis of miRNA-mRNA and miRNA-miRNA Interactions. BioMed Research International, 2014, 2014, 1-8.	1.9	45
986	miRNAs with the Potential to Distinguish Follicular Thyroid Carcinomas from Benign Follicular Thyroid Tumors: Results of a Meta-analysis. Hormone and Metabolic Research, 2014, 46, 171-180.	1.5	39
987	Analysis options for high-throughput sequencing in miRNA expression profiling. BMC Research Notes, 2014, 7, 144.	1.4	75
988	The roles of miR-146a in the differentiation of Jurkat T-lymphoblasts. Hematology, 2014, 19, 141-147.	1.5	24
989	microRNA distinguishes temporally different populations of olfactory bulb interneurons. Neurogenesis (Austin, Tex ), 2014, 1, e29744.	1.5	0



#	ARTICLE	IF	CITATIONS
990	Noncanonical MicroRNA (miRNA) Biogenesis Gives Rise to Retroviral Mimics of Lymphoproliferative and Immunosuppressive Host miRNAs. MBio, 2014, 5, e00074.	4.1	53
991	MiR-103a-3p targets the 5' UTR of GPRC5A in pancreatic cells. Rna, 2014, 20, 1431-1439.	3.5	129
992	Micro-managing the pancreatic $\beta$ cell. Cell Cycle, 2014, 13, 1216-1217.	2.6	0
993	Small RNA profiling of Xenopus embryos reveals novel miRNAs and a new class of small RNAs derived from intronic transposable elements. Genome Research, 2014, 24, 96-106.	5.5	18
994	Genome-wide analysis of thapsigargin-induced microRNAs and their targets in NIH3T3 cells. Genomics Data, 2014, 2, 325-327.	1.3	3
995	PolymiRTS Database 3.0: linking polymorphisms in microRNAs and their target sites with human diseases and biological pathways. Nucleic Acids Research, 2014, 42, D86-D91.	14.5	308
996	MicroRNAs: are they the missing link between hypoxia and pre-eclampsia?. Hypertension in Pregnancy, 2014, 33, 102-114.	1.1	26
997	The Effect of miRNA-122 in Regulating Fat Deposition in a Cell Line Model. Journal of Cellular Biochemistry, 2014, 115, 839-846.	2.6	10
998	Down-regulation of the Antisense Mitochondrial Non-coding RNAs (ncRNAs) Is a Unique Vulnerability of Cancer Cells and a Potential Target for Cancer Therapy. Journal of Biological Chemistry, 2014, 289, 27182-27198.	3.4	67
999	Development of microRNA therapeutics is coming of age. EMBO Molecular Medicine, 2014, 6, 851-864.	6.9	526
1000	Circulating MicroRNAs in blood of patients with prostate cancer. Actas Urológicas Españolas (English Edition), 2014, 38, 633-639.	0.2	26
1001	Keys for microRNA expression profiling of single rat hypothalamic nuclei and multiplex sequencing strategies. Experimental Physiology, 2014, 99, 72-77.	2.0	7
1002	Dominance hierarchy arising from the evolution of a complex small RNA regulatory network. Science, 2014, 346, 1200-1205.	12.6	61
1003	mRNA and Small RNA Transcriptomes Reveal Insights into Dynamic Homeolog Regulation of Allopolyploid Heterosis in Nascent Hexaploid Wheat. Plant Cell, 2014, 26, 1878-1900.	6.6	308
1004	miXGENE Tool for Learning from Heterogeneous Gene Expression Data Using Prior Knowledge. , 2014, , .		2
1005	Epigenetic Modifications Underlying Symbiont-Host Interactions. Advances in Genetics, 2014, 86, 253-276.	1.8	15
1006	Regulation of Drosophila circadian rhythms by miRNA let-7 is mediated by a regulatory cycle. Nature Communications, 2014, 5, 5549.	12.8	98
1007	MicroRNA-27b Targets Gremlin 1 to Modulate Fibrotic Responses in Pulmonary Cells. Journal of Cellular Biochemistry, 2014, 115, 1539-1548.	2.6	43



#	ARTICLE	IF	CITATIONS
1008	High-throughput deep sequencing shows that microRNA's play important roles in switchgrass responses to drought and salinity stress. <i>Plant Biotechnology Journal</i> , 2014, 12, 354-366.	8.3	131
1009	miRNEST 2.0: a database of plant and animal microRNAs. <i>Nucleic Acids Research</i> , 2014, 42, D74-D77.	14.5	68
1010	Neurologin-associated microRNA-932 targets actin and regulates memory in the honeybee. <i>Nature Communications</i> , 2014, 5, 5529.	12.8	65
1011	MicroRNA levels are modulated in <i>Aedes aegypti</i> after exposure to Dengue-2. <i>Insect Molecular Biology</i> , 2014, 23, 132-139.	2.0	80
1012	Characterization of the microRNA pool and the factors affecting its regulatory potential. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 1141-1152.	1.3	2
1013	An analysis of the small RNA transcriptome of four developmental stages of the citrus red mite ( <i>Panonychus citri</i> ). <i>Insect Molecular Biology</i> , 2014, 23, 216-229.	2.0	12
1014	Cnidarian microRNAs frequently regulate targets by cleavage. <i>Genome Research</i> , 2014, 24, 651-663.	5.5	104
1015	Regulating life or death: Potential role of microRNA in rescue of the corpus luteum. <i>Molecular and Cellular Endocrinology</i> , 2014, 398, 78-88.	3.2	37
1016	Circulating microRNAs in cardiovascular diseases: from biomarkers to therapeutic targets. <i>Frontiers of Medicine</i> , 2014, 8, 404-418.	3.4	34
1017	Inhibition of miR-92a Enhances Fracture Healing via Promoting Angiogenesis in a Model of Stabilized Fracture in Young Mice. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 316-326.	2.8	97
1018	Modulation of human miR-17-3p expression by methyl 3-O-methyl gallate as explanation of its in vivo protective activities. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1776-1784.	3.3	57
1019	The <i>Spirodela polyrrhiza</i> genome reveals insights into its neotenus reduction fast growth and aquatic lifestyle. <i>Nature Communications</i> , 2014, 5, 3311.	12.8	262
1020	Systematic Study of <i>Drosophila</i> MicroRNA Functions Using a Collection of Targeted Knockout Mutations. <i>Developmental Cell</i> , 2014, 31, 784-800.	7.0	131
1021	Sorting signal targeting mRNA into hepatic extracellular vesicles. <i>RNA Biology</i> , 2014, 11, 836-844.	3.1	42
1022	Novel blood-based microRNA biomarker panel for early diagnosis of pancreatic cancer. <i>World Journal of Gastrointestinal Oncology</i> , 2014, 6, 22.	2.0	101
1023	Detecting Noncoding RNA Expression: From Arrays to Next-Generation Sequencing. , 2014, , 25-44.		1
1024	Techniques for Characterizing Cytomegalovirus-Encoded miRNAs. <i>Methods in Molecular Biology</i> , 2014, 1119, 239-265.	0.9	3
1025	Rolling-Circle Transposons Catalyze Genomic Innovation in a Mammalian Lineage. <i>Genome Biology and Evolution</i> , 2014, 6, 2595-2610.	2.5	53

#	ARTICLE	IF	CITATIONS
1026	Rapid identification of regulatory microRNAs by miTRAP (miRNA trapping by RNA in vitro affinity) Tj ETQq0 0 0 rgBT, /Overlock, 10 Tf 50 7	14.5	48
1027	AURA 2. Translation, 2014, 2, e27738.	2.9	71
1028	Genome-wide screening of copy number variants in children born small for gestational age reveals several candidate genes involved in growth pathways. European Journal of Endocrinology, 2014, 171, 253-262.	3.7	36
1029	miRdentify: high stringency miRNA predictor identifies several novel animal miRNAs. Nucleic Acids Research, 2014, 42, e124-e124.	14.5	21
1030	Large-scale modeling of condition-specific gene regulatory networks by information integration and inference. Nucleic Acids Research, 2014, 42, e166-e166.	14.5	12
1031	Microevolution of Nematode miRNAs Reveals Diverse Modes of Selection. Genome Biology and Evolution, 2014, 6, 3049-3063.	2.5	15
1032	The discriminant power of RNA features for pre-miRNA recognition. BMC Bioinformatics, 2014, 15, 124.	2.6	40
1033	Identification and characterization of miRNAome in root, stem, leaf and tuber developmental stages of potato ( <i>Solanum tuberosum</i> L.) by high-throughput sequencing. BMC Plant Biology, 2014, 14, 6.	3.6	105
1034	Restitution of gene expression and histone acetylation signatures altered by hepatitis B virus through antiviral microRNA-like molecules in nontransformed murine hepatocytes. Clinical Epigenetics, 2014, 6, 26.	4.1	10
1035	miRNA Temporal Analyzer (mirnaTA): a bioinformatics tool for identifying differentially expressed microRNAs in temporal studies using normal quantile transformation. GigaScience, 2014, 3, 20.	6.4	25
1036	Overexpression of miR-21-5p as a predictive marker for complete tumor regression to neoadjuvant chemoradiotherapy in rectal cancer patients. BMC Medical Genomics, 2014, 7, 68.	1.5	58
1037	miRNA Based Pathway Analysis Tool in Nephroblastoma as a Proof of Principle for other Cancer Domains. , 2014, , .		1
1038	MicroRNA-like viral small RNA from Dengue virus 2 autoregulates its replication in mosquito cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2746-2751.	7.1	128
1039	Non-coding RNAs in epithelial immunity to <i>Cryptosporidium</i> infection. Parasitology, 2014, 141, 1233-1243.	1.5	38
1040	Burgeoning evidence indicates that microRNAs were initially formed from transposable element sequences. Mobile Genetic Elements, 2014, 4, e29255.	1.8	72
1041	MicroRNA-382 induced by HIF-1 $\alpha$ is an angiogenic miR targeting the tumor suppressor phosphatase and tensin homolog. Nucleic Acids Research, 2014, 42, 8062-8072.	14.5	119
1042	Upregulation of miR-181 Decreases c-Fos and SIRT-1 in the Hippocampus of 3xTg-AD Mice. Journal of Alzheimer's Disease, 2014, 42, 1229-1238.	2.6	77
1043	NCC 4.0: the network of cancer genes in the era of massive mutational screenings of cancer genomes. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau015.	3.0	50

#	ARTICLE	IF	CITATIONS
1044	Structuring osteosarcoma knowledge: an osteosarcoma-gene association database based on literature mining and manual annotation. Database: the Journal of Biological Databases and Curation, 2014, 2014, .	3.0	32
1045	Micro-RNAs as clinical biomarkers and therapeutic targets in breast cancer: Quo vadis?. World Journal of Clinical Oncology, 2014, 5, 71.	2.3	41
1046	p53 shapes genome-wide and cell type-specific changes in microRNA expression during the human DNA damage response. Cell Cycle, 2014, 13, 2572-2586.	2.6	18
1047	The light-induced transcriptome of the zebrafish pineal gland reveals complex regulation of the circadian clockwork by light. Nucleic Acids Research, 2014, 42, 3750-3767.	14.5	71
1048	Identification of discrete classes of small nucleolar RNA featuring different ends and RNA binding protein dependency. Nucleic Acids Research, 2014, 42, 10073-10085.	14.5	46
1050	Similarity in targets with REST points to neural and glioblastoma related miRNAs. Nucleic Acids Research, 2014, 42, 5436-5446.	14.5	5
1051	Developmental neurotoxicity “Challenges in the 21st Century and In Vitro Opportunities. ALTEX: Alternatives To Animal Experimentation, 2014, 31, 129-56.	1.5	103
1052	miRIAD“integrating microRNA inter- and intragenic data. Database: the Journal of Biological Databases and Curation, 2014, 2014, .	3.0	85
1054	Comparative MicroRNA Expression Profiles of Cynomolgus Monkeys, Rat, and Human Reveal that miR-182 Is Involved in T2D Pathogenic Processes. Journal of Diabetes Research, 2014, 2014, 1-11.	2.3	18
1055	The Role of microRNAs in Bovine Infection and Immunity. Frontiers in Immunology, 2014, 5, 611.	4.8	71
1056	sRNAbench: profiling of small RNAs and its sequence variants in single or multi-species high-throughput experiments. Methods in Next Generation Sequencing, 2014, 1, .	1.5	44
1057	NPInter v2.0: an updated database of ncRNA interactions. Nucleic Acids Research, 2014, 42, D104-D108.	14.5	141
1058	Assembly information services in the European Nucleotide Archive. Nucleic Acids Research, 2014, 42, D38-D43.	14.5	33
1059	Dissecting the expression landscape of RNA-binding proteins in human cancers. Genome Biology, 2014, 15, R14.	9.6	208
1060	Upregulation of miR-184 Enhances the Malignant Biological Behavior of Human Glioma Cell Line A172 by Targeting FIH-1. Cellular Physiology and Biochemistry, 2014, 34, 1125-1136.	1.6	21
1061	ADAR2 induces reproducible changes in sequence and abundance of mature microRNAs in the mouse brain. Nucleic Acids Research, 2014, 42, 12155-12168.	14.5	42
1062	Identification of microRNAs in six solanaceous plants and their potential link with phosphate and mycorrhizal signaling. Journal of Integrative Plant Biology, 2014, 56, 1164-1178.	8.5	38
1063	Preferential star strand biogenesis of pre-miR-24-2 targets PKC $\alpha$ and suppresses cell survival in MCF-7 breast cancer cells. Molecular Carcinogenesis, 2014, 53, 38-48.	2.7	45

#	ARTICLE	IF	CITATIONS
1064	Characterization of gene expression and activated signaling pathways in solid-pseudopapillary neoplasm of pancreas. <i>Modern Pathology</i> , 2014, 27, 580-593.	5.5	97
1065	MicroRNAs in Cancer. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2014, 9, 287-314.	22.4	1,445
1066	Identification of Conserved and Novel Cold-Responsive MicroRNAs in Trifoliate Orange ( <i>Poncirus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 328-341.	1.8	68
1067	Genome-Wide Analysis of miRNA-mRNA Interactions in Marrow Stromal Cells. <i>Stem Cells</i> , 2014, 32, 662-673.	3.2	67
1068	Differential expression of secretoglobins in normal ovary and in ovarian carcinoma “ Overexpression of mammaglobin-1 is linked to tumor progression. <i>Archives of Biochemistry and Biophysics</i> , 2014, 547, 27-36.	3.0	9
1069	Identification and expression of microRNA in the brain of hibernating bats, <i>Myotis lucifugus</i> . <i>Gene</i> , 2014, 544, 67-74.	2.2	40
1070	Efficient Identification of miRNAs for Classification of Tumor Origin. <i>Journal of Molecular Diagnostics</i> , 2014, 16, 106-115.	2.8	54
1071	Stable overexpression of miR-17 enhances recombinant protein production of CHO cells. <i>Journal of Biotechnology</i> , 2014, 175, 38-44.	3.8	67
1072	Exploring the interaction between small RNAs and R genes during <i>Brachypodium</i> response to <i>Fusarium culmorum</i> infection. <i>Gene</i> , 2014, 536, 254-264.	2.2	21
1073	Huaier suppresses proliferation and induces apoptosis in human pulmonary cancer cells via upregulation of <i>miR-26b</i>. <i>FEBS Letters</i> , 2014, 588, 2107-2114.	2.8	67
1074	Screening for possible miRNA-mRNA associations in a colon cancer cell line. <i>Gene</i> , 2014, 533, 520-531.	2.2	30
1075	MicroRNA-339 and microRNA-556 regulate Klotho expression in vitro. <i>Age</i> , 2014, 36, 141-149.	3.0	28
1076	The evolving understanding of microRNA in bladder cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2014, 32, 41.e31-41.e40.	1.6	65
1077	Fast selection of miRNA candidates based on large-scale pre-computed MFE sets of randomized sequences. <i>BMC Research Notes</i> , 2014, 7, 34.	1.4	8
1078	Integrating microRNA target predictions for the discovery of gene regulatory networks: a semi-supervised ensemble learning approach. <i>BMC Bioinformatics</i> , 2014, 15, S4.	2.6	45
1079	Methods and matrices: approaches to identifying miRNAs for Nasopharyngeal carcinoma. <i>Journal of Translational Medicine</i> , 2014, 12, 3.	4.4	32
1080	New wheat microRNA using whole-genome sequence. <i>Functional and Integrative Genomics</i> , 2014, 14, 363-379.	3.5	36
1081	Genetic variants in NAMPT predict bladder cancer risk and prognosis in individuals from southwest Chinese Han group. <i>Tumor Biology</i> , 2014, 35, 4031-4040.	1.8	22

#	ARTICLE	IF	CITATIONS
1082	MicroRNA-related sequence variations in human cancers. <i>Human Genetics</i> , 2014, 133, 463-469.	3.8	27
1083	exomeSuite: Whole exome sequence variant filtering tool for rapid identification of putative disease causing SNVs/indels. <i>Genomics</i> , 2014, 103, 169-176.	2.9	22
1084	RASSF tumor suppressor gene family: Biological functions and regulation. <i>FEBS Letters</i> , 2014, 588, 2671-2684.	2.8	102
1085	RNA-sequencing reveals previously unannotated protein- and microRNA-coding genes expressed in aleurone cells of rice seeds. <i>Genomics</i> , 2014, 103, 122-134.	2.9	13
1086	Single Nucleotide Polymorphisms in MicroRNA Binding Sites of Oncogenes: Implications in Cancer and Pharmacogenomics. <i>OMICS A Journal of Integrative Biology</i> , 2014, 18, 142-154.	2.0	42
1087	Novel transcriptome data analysis implicates circulating microRNAs in epigenetic inheritance in mammals. <i>Gene</i> , 2014, 538, 366-372.	2.2	29
1088	Evolutionary comparisons of miRNA regulation system in six model organisms. <i>Genetica</i> , 2014, 142, 109-118.	1.1	7
1089	miRNAs in the crosstalk between phytohormone signalling pathways. <i>Journal of Experimental Botany</i> , 2014, 65, 1425-1438.	4.8	227
1090	lncRNAMap: A map of putative regulatory functions in the long non-coding transcriptome. <i>Computational Biology and Chemistry</i> , 2014, 50, 41-49.	2.3	36
1091	Hypermethylation of miR-203 in endometrial carcinomas. <i>Gynecologic Oncology</i> , 2014, 133, 340-345.	1.4	49
1092	MicroRNA expression profiling and functional annotation analysis of their targets in patients with type 1 diabetes mellitus. <i>Gene</i> , 2014, 539, 213-223.	2.2	65
1093	Identification of Novel, Highly Expressed Retroviral MicroRNAs in Cells Infected by Bovine Foamy Virus. <i>Journal of Virology</i> , 2014, 88, 4679-4686.	3.4	56
1094	Brain microRNAs and insights into biological functions and therapeutic potential of brain enriched miRNA-128. <i>Molecular Cancer</i> , 2014, 13, 33.	19.2	188
1095	Micro-management of pluripotent stem cells. <i>Protein and Cell</i> , 2014, 5, 36-47.	11.0	16
1096	Systematic characterization of small RNAome during zebrafish early developmental stages. <i>BMC Genomics</i> , 2014, 15, 117.	2.8	27
1097	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.	19.2	135
1098	Regulation of synchronism by abscisic-acid-responsive small noncoding RNAs during somatic embryogenesis in larch ( <i>Larix leptolepis</i> ). <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 116, 361-370.	2.3	19
1099	Computational developments in microRNA-regulated protein-protein interactions. <i>BMC Systems Biology</i> , 2014, 8, 14.	3.0	10

#	ARTICLE	IF	CITATIONS
1100	The role of microRNAs in hepatocarcinogenesis: current knowledge and future prospects. Journal of Gastroenterology, 2014, 49, 173-184.	5.1	31
1101	Identification and characterization of the microRNA transcriptome of a moth orchid Phalaenopsis aphrodite. Plant Molecular Biology, 2014, 84, 529-548.	3.9	38
1102	MicroRNAs: master regulators of drug resistance, stemness, and metastasis. Journal of Molecular Medicine, 2014, 92, 321-336.	3.9	63
1103	Arsenic-Associated Changes to the Epigenome: What Are the Functional Consequences?. Current Environmental Health Reports, 2014, 1, 22-34.	6.7	69
1104	MicroRNAs in Neuroblastoma: Small-Sized Players with a Large Impact. Neurochemical Research, 2014, 39, 613-623.	3.3	20
1105	Identification of miRNAs and their target genes in developing maize ears by combined small RNA and degradome sequencing. BMC Genomics, 2014, 15, 25.	2.8	94
1106	The panorama of miRNA-mediated mechanisms in mammalian cells. Cellular and Molecular Life Sciences, 2014, 71, 2253-2270.	5.4	88
1107	MicroRNA-33b downregulates the differentiation and development of porcine preadipocytes. Molecular Biology Reports, 2014, 41, 1081-1090.	2.3	30
1108	ISAAC - InterSpecies Analysing Application using Containers. BMC Bioinformatics, 2014, 15, 18.	2.6	5
1109	Sequence-based design of bioactive small molecules that target precursor microRNAs. Nature Chemical Biology, 2014, 10, 291-297.	8.0	294
1110	microRNAs in Cardiovascular Diseases. Journal of the American College of Cardiology, 2014, 63, 2177-2187.	2.8	340
1111	Synonymous Mutations Frequently Act as Driver Mutations in Human Cancers. Cell, 2014, 156, 1324-1335.	28.9	482
1112	Advances in identification and validation of plant <sc>microRNAs</sc> and their target genes. Physiologia Plantarum, 2014, 152, 203-218.	5.2	17
1113	Systems biology in drug discovery and development. Drug Discovery Today, 2014, 19, 113-125.	6.4	80
1114	Implication of sperm RNAs in transgenerational inheritance of the effects of early trauma in mice. Nature Neuroscience, 2014, 17, 667-669.	14.8	1,067
1115	Beta-actin thymosin gene polymorphism associated with freshwater invasiveness of alewife (<i>Alosa Tj ETQq1 1 0.784314 rgBT <sub>4</sub> /Overlook	1.2	
1116	<sc>MicroRNA</sc>-519a is a novel oncomir conferring tamoxifen resistance by targeting a network of tumour-suppressor genes in <sc>ER</sc>+ breast cancer. Journal of Pathology, 2014, 233, 368-379.	4.5	103
1117	Derivation and characterization of Dicer- and microRNA-deficient human cells. Rna, 2014, 20, 923-937.	3.5	94

#	ARTICLE	IF	CITATIONS
1118	Epigenetics and depression: return of the repressed. <i>Journal of Affective Disorders</i> , 2014, 155, 1-12.	4.1	107
1119	Genetics of Epstein-Barr virus microRNAs. <i>Seminars in Cancer Biology</i> , 2014, 26, 52-59.	9.6	87
1120	Sample sequencing of vascular plants demonstrates widespread conservation and divergence of microRNAs. <i>Nature Communications</i> , 2014, 5, 3722.	12.8	224
1121	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.	3.4	28
1122	Seeing the forest for the trees: annotating small RNA producing genes in plants. <i>Current Opinion in Plant Biology</i> , 2014, 18, 87-95.	7.1	38
1123	Computational identification of miRNAs, their targets and functions in three-spined stickleback ( <i>Gasterosteus aculeatus</i> ). <i>Molecular Ecology Resources</i> , 2014, 14, 768-777.	4.8	13
1124	MicroRNAs in Stem Cells and Cancer Stem Cells. , 2014, , 81-101.		0
1125	The Significance of Transcriptome Sequencing in Personalized Cancer Medicine. , 2014, , 49-64.		2
1126	The Role of MicroRNAs and Ultraconserved Non-Coding RNAs in Cancer. , 2014, , 435-447.		3
1127	MicroRNA-451 Downregulates Neutrophil Chemotaxis via p38 MAPK. <i>Arthritis and Rheumatology</i> , 2014, 66, 549-559.	5.6	101
1128	Nucleoside transporters in the purinome. <i>Neurochemistry International</i> , 2014, 73, 229-237.	3.8	29
1129	DICER1 is essential for survival of postmitotic rod photoreceptor cells in mice. <i>FASEB Journal</i> , 2014, 28, 3780-3791.	0.5	54
1130	Novel therapeutic strategies for cardioprotection. , 2014, 144, 60-70.		64
1131	Post-transcriptional regulation of gene expression in innate immunity. <i>Nature Reviews Immunology</i> , 2014, 14, 361-376.	22.7	301
1132	miRNAs and their application in drug-induced liver injury. <i>Biomarkers in Medicine</i> , 2014, 8, 161-172.	1.4	18
1133	Identification and annotation of small RNA genes using ShortStack. <i>Methods</i> , 2014, 67, 20-27.	3.8	69
1134	Prioritizing Disease-Linked Variants, Genes, and Pathways with an Interactive Whole-Genome Analysis Pipeline. <i>Human Mutation</i> , 2014, 35, 537-547.	2.5	23
1135	Endogenous Small RNA Clusters in Plants. <i>Genomics, Proteomics and Bioinformatics</i> , 2014, 12, 64-71.	6.9	24



#	ARTICLE	IF	CITATIONS
1136	rSNPBase: a database for curated regulatory SNPs. <i>Nucleic Acids Research</i> , 2014, 42, D1033-D1039.	14.5	107
1137	High-throughput analysis of small RNAs and characterization of novel microRNAs affected by abiotic stress in a local celery cultivar. <i>Scientia Horticulturae</i> , 2014, 169, 36-43.	3.6	20
1138	Decoding the regulatory landscape of medulloblastoma using DNA methylation sequencing. <i>Nature</i> , 2014, 510, 537-541.	27.8	378
1139	MiR-215 modulates gastric cancer cell proliferation by targeting RB1. <i>Cancer Letters</i> , 2014, 342, 27-35.	7.2	89
1140	Computational Methods for MicroRNA Target Prediction. <i>Methods in Molecular Biology</i> , 2014, 1107, 207-221.	0.9	41
1141	Identification and characterization of salt responsive miRNA-SSR markers in rice ( <i>Oryza sativa</i> ). <i>Gene</i> , 2014, 535, 204-209.	2.2	103
1142	miRClassify: An advanced web server for miRNA family classification and annotation. <i>Computers in Biology and Medicine</i> , 2014, 45, 157-160.	7.0	101
1143	An integrated evolutionary analysis of miRNA-lncRNA in mammals. <i>Molecular Biology Reports</i> , 2014, 41, 201-207.	2.3	25
1144	Integrated evolutionary analysis of human miRNA gene clusters and families implicates evolutionary relationships. <i>Gene</i> , 2014, 534, 24-32.	2.2	33
1145	The evolution of lncRNA repertoires and expression patterns in tetrapods. <i>Nature</i> , 2014, 505, 635-640.	27.8	898
1146	Systematic large-scale study of the inheritance mode of Mendelian disorders provides new insight into human diseasome. <i>European Journal of Human Genetics</i> , 2014, 22, 1260-1267.	2.8	4
1147	Composition of seed sequence is a major determinant of microRNA targeting patterns. <i>Bioinformatics</i> , 2014, 30, 1377-1383.	4.1	109
1148	Identification of suitable plasma-based reference genes for miRNAome analysis of major depressive disorder. <i>Journal of Affective Disorders</i> , 2014, 163, 133-139.	4.1	61
1149	Robust global microRNA expression profiling using next-generation sequencing technologies. <i>Laboratory Investigation</i> , 2014, 94, 350-358.	3.7	118
1150	Selected isomiR expression profiles via arm switching?. <i>Gene</i> , 2014, 533, 149-155.	2.2	39
1151	Transcriptome-wide Discovery of microRNA Binding Sites in Human Brain. <i>Neuron</i> , 2014, 81, 294-305.	8.1	179
1152	Evolutionary history of plant microRNAs. <i>Trends in Plant Science</i> , 2014, 19, 175-182.	8.8	182
1153	Epigenetic Regulation of the DLK1-MEG3 MicroRNA Cluster in Human Type 2 Diabetic Islets. <i>Cell Metabolism</i> , 2014, 19, 135-145.	16.2	304

#	ARTICLE	IF	CITATIONS
1154	Bioinformatic Methods to Discover Cis-regulatory Elements in mRNAs. , 2014, , 151-169.		1
1155	Comprehensive analysis of microRNA profiles in multiple sclerosis including next-generation sequencing. Multiple Sclerosis Journal, 2014, 20, 295-303.	3.0	115
1156	Nonsense-mediated mRNA decay: Inter-individual variability and human disease. Neuroscience and Biobehavioral Reviews, 2014, 46, 175-186.	6.1	130
1158	Biases in small RNA deep sequencing data. Nucleic Acids Research, 2014, 42, 1414-1426.	14.5	175
1159	MicroRNA-146a and microRNA-146b expression and anti-inflammatory function in human airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L727-L734.	2.9	113
1160	Resources for Functional Genomics Studies in <i>Drosophila melanogaster</i> . Genetics, 2014, 197, 1-18.	2.9	61
1161	microRNA profiling in patients with abdominal aortic aneurysms: the significance of <i>miR-155</i> . Clinical Science, 2014, 126, 795-803.	4.3	55
1162	miRBase: annotating high confidence microRNAs using deep sequencing data. Nucleic Acids Research, 2014, 42, D68-D73.	14.5	4,752
1163	starBase v2.0: decoding miRNA-ceRNA, miRNA-ncRNA and protein-RNA interaction networks from large-scale CLIP-Seq data. Nucleic Acids Research, 2014, 42, D92-D97.	14.5	4,113
1164	Rapid diversification of five <i>Oryza</i> AA genomes associated with rice adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4954-62.	7.1	145
1165	Nematode endogenous small RNA pathways. Worm, 2014, 3, e28234.	1.0	26
1166	sRNA-seq Analysis of Human Embryonic Stem Cells and Definitive Endoderm Reveals Differentially Expressed MicroRNAs and Novel IsomiRs with Distinct Targets. Stem Cells, 2014, 32, 2360-2372.	3.2	33
1167	Tumor-Suppressive miR148a Is Silenced by CpG Island Hypermethylation in <i>IDH1</i> -Mutant Gliomas. Clinical Cancer Research, 2014, 20, 5808-5822.	7.0	30
1168	Resources for Small Regulatory RNAs. Current Protocols in Molecular Biology, 2014, 107, 19.8.1-14.	2.9	2
1169	Amyloid precursor protein regulates neurogenesis by antagonizing miR-574-5p in the developing cerebral cortex. Nature Communications, 2014, 5, 3330.	12.8	44
1170	Expression of microRNAs and their target genes and pathways associated with ovarian follicle development in cattle. Physiological Genomics, 2014, 46, 735-745.	2.3	33
1171	Lessons from miR-143/145: the importance of cell-type localization of miRNAs. Nucleic Acids Research, 2014, 42, 7528-7538.	14.5	185
1172	Epigenetic modification in gliomas: role of the histone methyltransferase EZH2. Expert Opinion on Therapeutic Targets, 2014, 18, 1197-1206.	3.4	13

#	ARTICLE	IF	CITATIONS
1173	MicroRNA loci support conspecificity of <i>Gyrodactylus salaris</i> and <i>Gyrodactylus thymalli</i> (Platyhelminthes: Monogenea). <i>International Journal for Parasitology</i> , 2014, 44, 787-793.	3.1	20
1174	Balance and Stealth: The Role of Noncoding RNAs in the Regulation of Virus Gene Expression. <i>Annual Review of Virology</i> , 2014, 1, 89-109.	6.7	31
1175	miR-203, a Tumor Suppressor Frequently Down-regulated by Promoter Hypermethylation in Rhabdomyosarcoma. <i>Journal of Biological Chemistry</i> , 2014, 289, 529-539.	3.4	75
1176	Isolation of New Micro RNAs from the Diamondback Moth (Lepidoptera: Yponomeutidae) Genome by a Computational Method. <i>Florida Entomologist</i> , 2014, 97, 877-885.	0.5	4
1177	Seq and CLIP through the miRNA world. <i>Genome Biology</i> , 2014, 15, 202.	9.6	20
1178	miRTarBase update 2014: an information resource for experimentally validated miRNA-target interactions. <i>Nucleic Acids Research</i> , 2014, 42, D78-D85.	14.5	710
1179	Cisplatin-induced duplex dissociation of complementary and destabilized short GG-containing duplex RNAs. <i>Dalton Transactions</i> , 2014, 43, 11941-11949.	3.3	13
1180	MixMir: microRNA motif discovery from gene expression data using mixed linear models. <i>Nucleic Acids Research</i> , 2014, 42, e135-e135.	14.5	16
1181	Next-Generation Survey Sequencing and the Molecular Organization of Wheat Chromosome 6B. <i>DNA Research</i> , 2014, 21, 103-114.	3.4	45
1182	MIROR: a method for cell-type specific microRNA occupancy rate prediction. <i>Molecular BioSystems</i> , 2014, 10, 1377-1384.	2.9	11
1183	Functional Divergence of the miRNA Transcriptome at the Onset of <i>Drosophila</i> Metamorphosis. <i>Molecular Biology and Evolution</i> , 2014, 31, 2557-2572.	8.9	16
1184	Natural genetic variation in MIR172 isolated from Brassica species. <i>Biologia Plantarum</i> , 2014, 58, 627-640.	1.9	12
1185	Small RNAs in Plants. , 2014, , 95-127.		5
1186	mi<scp>RN</scp>ome of <scp>I</scp>talien <scp>L</scp>arge <scp>W</scp>hite pig subcutaneous fat tissue: new mi<scp>RNA</scp>s, isomi<scp>R</scp>s and mo<scp>RNA</scp>s. <i>Animal Genetics</i> , 2014, 45, 685-698.	1.7	17
1187	Human-specific microRNA regulation of FOXO1: implications for microRNA recognition element evolution. <i>Human Molecular Genetics</i> , 2014, 23, 2593-2603.	2.9	19
1188	Phen-Gen: combining phenotype and genotype to analyze rare disorders. <i>Nature Methods</i> , 2014, 11, 935-937.	19.0	130
1189	Integrated transcriptome analysis reveals miRNAâ€mRNA crosstalk in laryngeal squamous cell carcinoma. <i>Genomics</i> , 2014, 104, 249-256.	2.9	20
1190	Large Numbers of Novel miRNAs Originate from DNA Transposons and Are Coincident with a Large Species Radiation in Bats. <i>Molecular Biology and Evolution</i> , 2014, 31, 1536-1545.	8.9	60

#	ARTICLE	IF	CITATIONS
1191	The role of microRNA in castration-resistant prostate cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2014, 32, 517-523.	1.6	35
1192	Polymorphisms in MicroRNAs Are Associated with Survival in Non-Small Cell Lung Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 2503-2511.	2.5	22
1193	miRNA expression in breast cancer varies with lymph node metastasis and other clinicopathologic features. <i>IUBMB Life</i> , 2014, 66, 371-377.	3.4	60
1194	A genome-wide screen for non-template nucleotides and isomiR repertoires in miRNAs indicates dynamic and versatile microRNAome. <i>Molecular Biology Reports</i> , 2014, 41, 6649-6658.	2.3	20
1195	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.	4.1	5
1196	miR-141-3p inhibits human stromal (mesenchymal) stem cell proliferation and differentiation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2114-2121.	4.1	52
1197	The common marmoset genome provides insight into primate biology and evolution. <i>Nature Genetics</i> , 2014, 46, 850-857.	21.4	225
1198	Functional Evolution of Cardiac MicroRNAs in Heart Development and Functions. <i>Molecular Biology and Evolution</i> , 2014, 31, 2722-2734.	8.9	21
1199	MicroRNA-124 inhibits cellular proliferation and invasion by targeting Ets-1 in breast cancer. <i>Tumor Biology</i> , 2014, 35, 10897-10904.	1.8	42
1200	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.	7.2	110
1201	A critical appraisal of the use of microRNA data in phylogenetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3659-68.	7.1	63
1202	MicroRNA Control of High-Density Lipoprotein Metabolism and Function. <i>Circulation Research</i> , 2014, 114, 183-192.	4.5	73
1203	Influence of miRNA in insulin signaling pathway and insulin resistance: microRNAs molecules with a major role in type 2 diabetes. <i>Wiley Interdisciplinary Reviews RNA</i> , 2014, 5, 697-712.	6.4	202
1204	Integrated genomic characterization of adrenocortical carcinoma. <i>Nature Genetics</i> , 2014, 46, 607-612.	21.4	560
1205	Characterization of stress-responsive lncRNAs in <i>Arabidopsis thaliana</i> by integrating expression, epigenetic and structural features. <i>Plant Journal</i> , 2014, 80, 848-861.	5.7	264
1206	Scan for Motifs: a webserver for the analysis of post-transcriptional regulatory elements in the 3' UTRs of mRNAs. <i>BMC Bioinformatics</i> , 2014, 15, 174.	2.6	16
1207	Regulatory and coding genome regions are enriched for trait associated variants in dairy and beef cattle. <i>BMC Genomics</i> , 2014, 15, 436.	2.8	47
1208	Structured RNAs and syntenic regions in the pig genome. <i>BMC Genomics</i> , 2014, 15, 459.	2.8	20

#	ARTICLE	IF	CITATIONS
1209	Genome-wide mapping of miRNAs expressed in embryonic stem cells and pluripotent stem cells generated by different reprogramming strategies. BMC Genomics, 2014, 15, 488.	2.8	21
1210	Transcriptome-wide analysis of microRNA expression in the malaria mosquito <i>Anopheles gambiae</i> . BMC Genomics, 2014, 15, 557.	2.8	49
1211	High-throughput sequencing reveals small RNAs involved in ASGV infection. BMC Genomics, 2014, 15, 568.	2.8	39
1212	Prediction of miRNA-mRNA associations in Alzheimer's disease mice using network topology. BMC Genomics, 2014, 15, 644.	2.8	25
1213	An integrated analysis of the SOX2 microRNA response program in human pluripotent and nullipotent stem cell lines. BMC Genomics, 2014, 15, 711.	2.8	19
1214	Genome-wide sequencing of small RNAs reveals a tissue-specific loss of conserved microRNA families in <i>Echinococcus granulosus</i> . BMC Genomics, 2014, 15, 736.	2.8	67
1215	Computational prediction of disease microRNAs in domestic animals. BMC Research Notes, 2014, 7, 403.	1.4	18
1216	Superinfection exclusion by Citrus tristeza virus does not correlate with the production of viral small RNAs. Virology, 2014, 468-470, 462-471.	2.4	21
1217	New Advances of microRNAs in Glioma Stem Cells, With Special Emphasis on Aberrant Methylation of microRNAs. Journal of Cellular Physiology, 2014, 229, 1141-1147.	4.1	21
1218	Co-activation of microRNAs by Zelda is essential for early <i>Drosophila</i> development. Development (Cambridge), 2014, 141, 2108-2118.	2.5	48
1219	Familial nonmedullary thyroid cancer: Screening, clinical, molecular and genetic findings. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1846, 468-476.	7.4	25
1220	MicroRNAs Mediate Dietary-Restriction-Induced Longevity through PHA-4/FOXA and SKN-1/Nrf Transcription Factors. Current Biology, 2014, 24, 2238-2246.	3.9	72
1221	The PI3K/AKT/mTOR pathway is activated in gastric cancer with potential prognostic and predictive significance. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2014, 465, 25-33.	2.8	167
1222	Identification of differentially expressed microRNAs in human hepatocellular adenoma associated with type I glycogen storage disease: a potential utility as biomarkers. Journal of Gastroenterology, 2014, 49, 1274-1284.	5.1	40
1223	The Involvement of MicroRNAs in Major Depression, Suicidal Behavior, and Related Disorders: A Focus on miR-185 and miR-491-3p. Cellular and Molecular Neurobiology, 2014, 34, 17-30.	3.3	92
1224	MicroRNA repertoire for functional genome research in tilapia identified by deep sequencing. Molecular Biology Reports, 2014, 41, 4953-4963.	2.3	15
1225	Identification and consequences of miRNA "target interactions" beyond repression of gene expression. Nature Reviews Genetics, 2014, 15, 599-612.	16.3	556
1226	Transcriptomics identified a critical role for Th2 cell-intrinsic miR-155 in mediating allergy and antihelminth immunity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3081-90.	7.1	120

#	ARTICLE	IF	CITATIONS
1227	High-throughput sequence analysis of small RNAs in skotomorphogenic seedlings of <i>Brassica rapa</i> ssp. <i>rapa</i> . <i>Gene</i> , 2014, 548, 68-74.	2.2	5
1228	Evidence for the biogenesis of more than 1,000 novel human microRNAs. <i>Genome Biology</i> , 2014, 15, R57.	9.6	222
1229	Micro<scp>RNA</scp>s in fruit trees: discovery, diversity and future research directions. <i>Plant Biology</i> , 2014, 16, 856-865.	3.8	26
1230	<i>Arabidopsis miR156</i> Regulates Tolerance to Recurring Environmental Stress through <i>SPL</i> Transcription Factors. <i>Plant Cell</i> , 2014, 26, 1792-1807.	6.6	511
1231	A challenge for miRNA: multiple isomiRs in miRNAomics. <i>Gene</i> , 2014, 544, 1-7.	2.2	105
1232	Toward consilience in reptile phylogeny: miRNAs support an archosaur, not lepidosaur, affinity for turtles. <i>Evolution &amp; Development</i> , 2014, 16, 189-196.	2.0	106
1233	Single Molecule Fluorescence Approaches Shed Light on Intracellular RNAs. <i>Chemical Reviews</i> , 2014, 114, 3224-3265.	47.7	73
1234	Genetic variation in the non-coding genome: Involvement of micro-RNAs and long non-coding RNAs in disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1910-1922.	3.8	215
1235	MicroRNAs in Heart Failure. <i>Circulation: Heart Failure</i> , 2014, 7, 203-214.	3.9	96
1236	Characterization of microRNA transcriptome in lung cancer by nextâ€¢generation deep sequencing. <i>Molecular Oncology</i> , 2014, 8, 1208-1219.	4.6	73
1237	Expression Atlas updateâ€¢a database of gene and transcript expression from microarray- and sequencing-based functional genomics experiments. <i>Nucleic Acids Research</i> , 2014, 42, D926-D932.	14.5	293
1238	Comprehensive genome-wide identification and expression profiling of foxtail millet [ <i>Setaria italica</i> (L.)] miRNAs in response to abiotic stress and development of miRNA database. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 118, 279-292.	2.3	56
1239	Identifying microRNA targets in different gene regions. <i>BMC Bioinformatics</i> , 2014, 15, S4.	2.6	112
1240	eRNA: a graphic user interface-based tool optimized for large data analysis from high-throughput RNA sequencing. <i>BMC Genomics</i> , 2014, 15, 176.	2.8	17
1241	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.	2.8	154
1242	Genome-wide characterization and comparative analysis of R2R3-MYB transcription factors shows the complexity of MYB-associated regulatory networks in <i>Salvia miltiorrhiza</i> . <i>BMC Genomics</i> , 2014, 15, 277.	2.8	92
1243	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.	2.8	111
1244	MicroRNA expression profiling of the fifth-instar posterior silk gland of <i>Bombyx mori</i> . <i>BMC Genomics</i> , 2014, 15, 410.	2.8	36

#	ARTICLE	IF	CITATIONS
1245	MicroRNAs in hematopoietic development. BMC Immunology, 2014, 15, 14.	2.2	64
1246	Molecular characterization of the SPL gene family in <i>Populus trichocarpa</i> . BMC Plant Biology, 2014, 14, 131.	3.6	85
1247	Whole-genome discovery of miRNAs and their targets in wheat ( <i>Triticum aestivum</i> L.). BMC Plant Biology, 2014, 14, 142.	3.6	120
1248	MicroRNA-484 is more highly expressed in serum of early breast cancer patients compared to healthy volunteers. BMC Cancer, 2014, 14, 200.	2.6	82
1249	Sources of Individual Variability: Mirnas That Predispose to Neuropathic Pain Identified Using Genome-Wide Sequencing. Molecular Pain, 2014, 10, 1744-8069-10-22.	2.1	41
1250	Differentiated expression of microRNAs may regulate genotype-dependent traits in cotton. Gene, 2014, 547, 233-238.	2.2	16
1251	Exosomes in human semen carry a distinctive repertoire of small non-coding RNAs with potential regulatory functions. Nucleic Acids Research, 2014, 42, 7290-7304.	14.5	486
1252	Adaptive evolution of testis-specific, recently evolved, clustered miRNAs in <i>Drosophila</i> . Rna, 2014, 20, 1195-1209.	3.5	47
1253	Hsa-miR-195 targets PCMT1 in hepatocellular carcinoma that increases tumor life span. Tumor Biology, 2014, 35, 11301-11309.	1.8	39
1254	MicroRNA processing machinery in the developing chick embryo. Gene Expression Patterns, 2014, 16, 114-121.	0.8	4
1255	OncomiRDB: a database for the experimentally verified oncogenic and tumor-suppressive microRNAs. Bioinformatics, 2014, 30, 2237-2238.	4.1	141
1256	A user-friendly chromatographic method to purify small regulatory RNAs. Methods, 2014, 67, 91-101.	3.8	8
1257	The development of electrochemical assays for microRNAs. Electrochimica Acta, 2014, 126, 19-30.	5.2	30
1258	miRNA as markers for the diagnostic screening of colon cancer. Expert Review of Anticancer Therapy, 2014, 14, 463-485.	2.4	31
1259	The sheep genome illuminates biology of the rumen and lipid metabolism. Science, 2014, 344, 1168-1173.	12.6	436
1260	Integrated mRNA and microRNA transcriptome sequencing characterizes sequence variants and mRNA-microRNA regulatory network in nasopharyngeal carcinoma model systems. FEBS Open Bio, 2014, 4, 128-140.	2.3	38
1261	Flexible microRNA arm selection in rice. Biochemical and Biophysical Research Communications, 2014, 447, 526-530.	2.1	28
1262	A conserved RNA polymerase III promoter required for gammaherpesvirus TMER transcription and microRNA processing. Gene, 2014, 544, 8-18.	2.2	28



#	ARTICLE	IF	CITATIONS
1263	piClust: A density based piRNA clustering algorithm. Computational Biology and Chemistry, 2014, 50, 60-67.	2.3	34
1264	MicroRNA-23a is involved in tumor necrosis factor- $\alpha$ induced apoptosis in mesenchymal stem cells and myocardial infarction. Experimental and Molecular Pathology, 2014, 97, 23-30.	2.1	42
1265	Functional interpretation of microRNA-mRNA association in biological systems using R. Computers in Biology and Medicine, 2014, 44, 124-131.	7.0	6
1266	Argonaute2 Mediates Compensatory Expansion of the Pancreatic $\beta$ Cell. Cell Metabolism, 2014, 19, 122-134.	16.2	139
1267	Laminar and Temporal Expression Dynamics of Coding and Noncoding RNAs in the Mouse Neocortex. Cell Reports, 2014, 6, 938-950.	6.4	62
1268	Identification and differential expression of hepatopancreas microRNAs in red swamp crayfish fed with emodin diet. Fish and Shellfish Immunology, 2014, 39, 1-7.	3.6	19
1269	Characterization of conserved microRNAs from five different cucurbit species using computational and experimental analysis. Biochimie, 2014, 102, 137-144.	2.6	14
1270	MicroRNA-34a induces apoptosis in the human glioma cell line, A172, through enhanced ROS production and NOX2 expression. Biochemical and Biophysical Research Communications, 2014, 444, 6-12.	2.1	74
1271	MicroRNAs in the skeleton: Cell-restricted or potent intercellular communicators?. Archives of Biochemistry and Biophysics, 2014, 561, 46-55.	3.0	25
1272	Role of microRNAs in the age-related changes in skeletal muscle and diet or exercise interventions to promote healthy aging in humans. Ageing Research Reviews, 2014, 17, 25-33.	10.9	53
1273	A bioinformatics-based update on microRNAs and their targets in rainbow trout (Oncorhynchus Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3	2.2	12
1274	MicroARN circulantes en sangre de pacientes con c�ncer de pr�stata. Actas Urol�gicas Espa�olas, 2014, 38, 633-639.	0.7	41
1275	Transcriptome-wide analysis of TDP-43 binding small RNAs identifies miR-NID1 (miR-8485), a novel miRNA that represses NRXN1 expression. Genomics, 2014, 103, 76-82.	2.9	35
1276	Little things make big things happen: A summary of micropeptide encoding genes. EuPA Open Proteomics, 2014, 3, 128-137.	2.5	29
1277	Design and Analysis for Studying microRNAs in Human Disease: A Primer on -Omic Technologies. American Journal of Epidemiology, 2014, 180, 140-152.	3.4	54
1278	MicroRNA Target Identification: Lessons from HypoxamiRs. Antioxidants and Redox Signaling, 2014, 21, 1249-1268.	5.4	12
1279	Interplay Between the Oxidoreductase PDIA6 and microRNA-322 Controls the Response to Disrupted Endoplasmic Reticulum Calcium Homeostasis. Science Signaling, 2014, 7, ra54.	3.6	92
1280	The miRNA-Mediated Cross-Talk between Transcripts Provides a Novel Layer of Posttranscriptional Regulation. Advances in Genetics, 2014, 85, 149-199.	1.8	29

#	ARTICLE	IF	CITATIONS
1281	Identification and characterization of a subset of microRNAs in wheat ( <i>Triticum aestivum</i> L.). <i>Genomics</i> , 2014, 103, 298-307.	2.9	22
1282	Noncoding RNAs in Prostate Cancer: The Long and the Short of It. <i>Clinical Cancer Research</i> , 2014, 20, 35-43.	7.0	59
1283	miR-1202 is a primate-specific and brain-enriched microRNA involved in major depression and antidepressant treatment. <i>Nature Medicine</i> , 2014, 20, 764-768.	30.7	266
1284	Next generation sequencing reveals microRNA isoforms in liver cirrhosis and hepatocellular carcinoma. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 53, 208-217.	2.8	85
1285	miR-335 promotes mesendodermal lineage segregation and shapes a transcription factor gradient in the endoderm. <i>Development (Cambridge)</i> , 2014, 141, 514-525.	2.5	20
1286	miR-PREFeR: an accurate, fast and easy-to-use plant miRNA prediction tool using small RNA-Seq data. <i>Bioinformatics</i> , 2014, 30, 2837-2839.	4.1	118
1287	Post-transcriptional Regulation of Human Breast Cancer Cell Proteome by Unliganded Estrogen Receptor $\beta$ via microRNAs. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 1076-1090.	3.8	33
1288	MicroRNA and hepatitis C virus- challenges in investigation and translation: a review of the literature. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014, 80, 1-12.	1.8	11
1289	Epigenetics in human gliomas. <i>Cancer Letters</i> , 2014, 342, 185-192.	7.2	48
1290	Association of microRNA Polymorphisms with the Risk of Myocardial Infarction in a Chinese Population. <i>Tohoku Journal of Experimental Medicine</i> , 2014, 233, 89-94.	1.2	41
1291	MicroRNA expression in inflamed and noninflamed gingival tissues from Japanese patients. <i>Journal of Oral Science</i> , 2014, 56, 253-260.	1.7	72
1292	Development and performance of a targeted whole exome sequencing enrichment kit for the dog ( <i>Canis Familiaris</i> Build 3.1). <i>Scientific Reports</i> , 2014, 4, 5597.	3.3	23
1293	Computational Methods for MicroRNA Target Prediction. <i>Genes</i> , 2014, 5, 671-683.	2.4	92
1294	Common features of microRNA target prediction tools. <i>Frontiers in Genetics</i> , 2014, 5, 23.	2.3	356
1295	Conserved microRNA editing in mammalian evolution, development and disease. <i>Genome Biology</i> , 2014, 15, R83.	9.6	70
1296	Innovative Tools for Early Detection of Cancer. , 2014, , 71-108.		0
1297	Sex-biased expression of microRNAs in <i>Drosophila melanogaster</i> . <i>Open Biology</i> , 2014, 4, 140024.	3.6	41
1298	miRNA Profiles in Plasma from Patients with Sleep Disorders Reveal Dysregulation of miRNAs in Narcolepsy and Other Central Hypersomnias. <i>Sleep</i> , 2014, 37, 1525-1533.	1.1	29

#	ARTICLE	IF	CITATIONS
1299	Functional Annotation of Putative Regulatory Elements at Cancer Susceptibility Loci. <i>Cancer Informatics</i> , 2014, 13s2, CIN.S13789.	1.9	6
1300	APADB: a database for alternative polyadenylation and microRNA regulation events. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, bau076-bau076.	3.0	90
1301	Improving miRNA-mRNA interaction predictions. <i>BMC Genomics</i> , 2014, 15, S2.	2.8	26
1302	â—¼ Annotating the Results. , 2014, , 224-241.		0
1303	A comparison of microRNA sequencing reproducibility and noise reduction using mirVana and TRIzol isolation methods. <i>International Journal of Computational Biology and Drug Design</i> , 2014, 7, 102.	0.3	11
1304	Small RNAs from the wheat stripe rust fungus ( <i>Puccinia striiformis</i> f.sp. <i>tritici</i> ). <i>BMC Genomics</i> , 2015, 16, 718.	2.8	60
1305	An approach to identify the novel miRNA encoded from <i>H. Annuus</i> EST sequences. <i>Genomics Data</i> , 2015, 6, 139-144.	1.3	15
1306	Identification and characterization of differentially expressed microRNAs in response to <i>Rhizoctonia solani</i> in maize. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	6
1307	Predicting and classifying short non-coding RNAs using a multiclass evolutionary methodology. , 2015,,.		0
1308	Comparative miRNAs analysis of Two contrasting broccoli inbred lines with divergent head-forming capacity under temperature stress. <i>BMC Genomics</i> , 2015, 16, 1026.	2.8	22
1309	Facts and updates about cardiovascular nonâ€œcoding RNAs in heart failure. <i>ESC Heart Failure</i> , 2015, 2, 108-111.	3.1	14
1310	An integrated analysis of the effects of microRNA and mRNA on esophageal squamous cell carcinoma. <i>Molecular Medicine Reports</i> , 2015, 12, 945-952.	2.4	17
1311	MicroRNA-33a/b in Lipid Metabolism. <i>Circulation Journal</i> , 2015, 79, 278-284.	1.6	27
1312	microRNA and gene networks in human laryngeal cancer. <i>Experimental and Therapeutic Medicine</i> , 2015, 10, 2245-2252.	1.8	3
1313	miRNA-132-3p inhibits osteoblast differentiation by targeting Ep300 in simulated microgravity. <i>Scientific Reports</i> , 2015, 5, 18655.	3.3	81
1314	Dengue virus infection alters post-transcriptional modification of microRNAs in the mosquito vector <i>Aedes aegypti</i> . <i>Scientific Reports</i> , 2015, 5, 15968.	3.3	31
1315	Downregulation of microRNA-221 decreases migration and invasion in fibroblast-like synoviocytes in rheumatoid arthritis. <i>Molecular Medicine Reports</i> , 2015, 12, 2395-2401.	2.4	72
1316	Quantitative and qualitative analysis of small RNAs in human endothelial cells and exosomes provides insights into localized RNA processing, degradation and sorting. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 26760.	12.2	235

#	ARTICLE	IF	CITATIONS
1317	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.	2.4	25
1318	Improved canine exome designs, featuring ncRNAs and increased coverage of protein coding genes. <i>Scientific Reports</i> , 2015, 5, 12810.	3.3	31
1319	Differential expression of microRNAs and their target genes in non-small-cell lung cancer. <i>Molecular Medicine Reports</i> , 2015, 11, 2034-2040.	2.4	23
1320	Networks of microRNAs and genes in acute lymphoblastic leukemia. <i>Molecular Medicine Reports</i> , 2015, 12, 5361-5368.	2.4	1
1321	Computational Prediction of miRNA Genes from Small RNA Sequencing Data. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 7.	4.1	37
1322	Diagnostic and therapeutic application of noncoding RNAs for hepatocellular carcinoma. <i>World Journal of Hepatology</i> , 2015, 7, 1.	2.0	35
1323	From Transcription Factor Binding and Histone Modification to Gene Expression: Integrative Quantitative Models. , 0, , 380-402.		0
1324	The evolution of Homo sapiens denisova and Homo sapiens neanderthalensis miRNA targeting genes in the prenatal and postnatal brain. <i>BMC Genomics</i> , 2015, 16, S4.	2.8	3
1325	Differential and coherent processing patterns from small RNAs. <i>Scientific Reports</i> , 2015, 5, 12062.	3.3	22
1326	Evidence for the expression of abundant microRNAs in the locust genome. <i>Scientific Reports</i> , 2015, 5, 13608.	3.3	31
1327	Bioinformatic Identification and Expression Analysis of Nelumbo nucifera MicroRNA and Their Targets. <i>Applications in Plant Sciences</i> , 2015, 3, 1500046.	2.1	9
1328	Multiplexed microRNA TG-FRET assay with isothermal and amplification-free single-step. <i>Science China Materials</i> , 2015, 58, 852-853.	6.3	0
1329	Identification of miRNAs and their targets in transgenic Brassica napus and its acceptor (Westar) by high-throughput sequencing and degradome analysis. <i>RSC Advances</i> , 2015, 5, 85383-85394.	3.6	11
1330	A knowledge base for Vitis vinifera functional analysis. <i>BMC Systems Biology</i> , 2015, 9, S5.	3.0	24
1331	Identification of miRNAs with potential roles in regulation of anther development and male-sterility in 7B-1 male-sterile tomato mutant. <i>BMC Genomics</i> , 2015, 16, 878.	2.8	58
1332	Integrated microRNA-mRNA analysis revealing the potential roles of microRNAs in tongue squamous cell cancer. <i>Molecular Medicine Reports</i> , 2015, 12, 885-894.	2.4	14
1333	Impacts of Whole-Genome Triplication on<i>MIRNA</i>Evolution in<i>Brassica rapa</i>. <i>Genome Biology and Evolution</i> , 2015, 7, 3085-3096.	2.5	18
1334	Genome-wide DNA methylome reveals the dysfunction of intronic microRNAs in major psychosis. <i>BMC Medical Genomics</i> , 2015, 8, 62.	1.5	27

#	ARTICLE	IF	CITATIONS
1335	Circulating micrnas associated with glycemic impairment and progression in Asian Indians. Biomarker Research, 2015, 3, 22.	6.8	36
1336	Parameter optimization for constructing competing endogenous RNA regulatory network in glioblastoma multiforme and other cancers. BMC Genomics, 2015, 16, S1.	2.8	43
1337	Integrative network-based approach identifies key genetic elements in breast invasive carcinoma. BMC Genomics, 2015, 16, S2.	2.8	30
1338	Deep sequencing shows microRNA involvement in bovine mammary gland adaptation to diets supplemented with linseed oil or safflower oil. BMC Genomics, 2015, 16, 884.	2.8	67
1339	Genome-wide identification and functional analysis of lincRNAs acting as miRNA targets or decoys in maize. BMC Genomics, 2015, 16, 793.	2.8	94
1340	Deep sequencing of small RNA facilitates tissue and sex associated microRNA discovery in zebrafish. BMC Genomics, 2015, 16, 950.	2.8	25
1341	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.	2.8	13
1342	Motif co-regulation and co-operativity are common mechanisms in transcriptional, post-transcriptional and post-translational regulation. Cell Communication and Signaling, 2015, 13, 45.	6.5	21
1343	An update of miRNASNP database for better SNP selection by GWAS data, miRNA expression and online tools. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav029.	3.0	110
1344	micro RNA 172 (miR172) signals epidermal infection and is expressed in cells primed for bacterial invasion in <i>Lotus japonicus</i> roots and nodules. New Phytologist, 2015, 208, 241-256.	7.3	45
1345	<i>miR408</i> is involved in abiotic stress responses in <i>Arabidopsis</i> . Plant Journal, 2015, 84, 169-187.	5.7	274
1346	AtmiRNET: a web-based resource for reconstructing regulatory networks of Arabidopsis microRNAs. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav042.	3.0	18
1347	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.	2.9	30
1348	Identification of highly expressed host microRNAs that respond to white spot syndrome virus infection in the Pacific white shrimp <i>Litopenaeus vannamei</i> (Penaeidae). Genetics and Molecular Research, 2015, 14, 4818-4828.	0.2	30
1349	Hsa-microRNA-181a is a regulator of a number of cancer genes and a biomarker for endometrial carcinoma in patients: a bioinformatic and clinical study and the therapeutic implication. Drug Design, Development and Therapy, 2015, 9, 1103.	4.3	35
1350	CXCL16 in Vascular Pathology Research: from Macro Effects to microRNAs. Journal of Atherosclerosis and Thrombosis, 2015, 22, 1012-1024.	2.0	15
1351	Association of Nicotinamide Phosphoribosyltransferase (NAMPT) Gene Polymorphisms and of Serum NAMPT Levels with Dilated Cardiomyopathy in a Chinese Population. International Journal of Molecular Sciences, 2015, 16, 22299-22318.	4.1	9
1352	MicroRNAs: New Players in Anesthetic-Induced Developmental Neurotoxicity. Pharmaceutica Analytica Acta, 2015, 06, 357.	0.2	15

#	ARTICLE	IF	CITATIONS
1353	Network analysis of microRNAs and genes in human osteosarcoma. <i>Experimental and Therapeutic Medicine</i> , 2015, 10, 1507-1514.	1.8	3
1354	Construction and analysis of three networks of genes and microRNAs in adenocarcinoma. <i>Oncology Letters</i> , 2015, 10, 3243-3251.	1.8	5
1355	MicroRNA-133a in the Development of Arteriosclerosis Obliterans. <i>Journal of Atherosclerosis and Thrombosis</i> , 2015, 22, 342-343.	2.0	1
1356	An Association between MicroRNA-21 Expression and Vitamin D Deficiency in Coronary Artery Disease. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2015, 4, 57-63.	1.2	24
1357	How to build personalized multi-omics comorbidity profiles. <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 28.	3.7	53
1358	MicroRNAs Regulate Mitochondrial Function in Cerebral Ischemia-Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24895-24917.	4.1	64
1359	MicroRNA Silencing by DNA Methylation in Human Cancer: a Literature Analysis. <i>Non-coding RNA</i> , 2015, 1, 44-52.	2.6	31
1360	Emerging applications of read profiles towards the functional annotation of the genome. <i>Frontiers in Genetics</i> , 2015, 6, 188.	2.3	9
1361	miRNA-214: Expression, Therapeutic and Diagnostic Potential in Cancer. <i>Tumori</i> , 2015, 101, 375-383.	1.1	9
1362	Coordination of MicroRNAs, PhasiRNAs, and NB-ATRR Genes in Response to a Plant Pathogen: Insights from Analyses of a Set of Soybean Rps Gene Near-Isogenic Lines. <i>Plant Genome</i> , 2015, 8, eplantgenome2014.09.0044.	2.8	31
1363	Human Corneal MicroRNA Expression Profile in Fungal Keratitis. , 2015, 56, 7939.		27
1364	Protein Interactome of Muscle Invasive Bladder Cancer. <i>PLoS ONE</i> , 2015, 10, e0116404.	2.5	12
1365	Identification and Characteristics of microRNAs from Army Worm, <i>Spodoptera frugiperda</i> Cell Line Sf21. <i>PLoS ONE</i> , 2015, 10, e0116988.	2.5	9
1366	MicroRNA 181b Regulates Decorin Production by Dermal Fibroblasts and May Be a Potential Therapy for Hypertrophic Scar. <i>PLoS ONE</i> , 2015, 10, e0123054.	2.5	51
1367	Identification and Characterization of Cyprinid Herpesvirus-3 (CyHV-3) Encoded MicroRNAs. <i>PLoS ONE</i> , 2015, 10, e0125434.	2.5	22
1368	Next-Generation Sequencing Analysis Reveals Differential Expression Profiles of MiRNA-mRNA Target Pairs in KSHV-Infected Cells. <i>PLoS ONE</i> , 2015, 10, e0126439.	2.5	19
1369	Automated Identification of Core Regulatory Genes in Human Gene Regulatory Networks. <i>PLoS Computational Biology</i> , 2015, 11, e1004504.	3.2	33
1370	Helical Defects in MicroRNA Influence Protein Binding by TAR RNA Binding Protein. <i>PLoS ONE</i> , 2015, 10, e0116749.	2.5	13

#	ARTICLE	IF	CITATIONS
1371	The Precision-Recall Plot Is More Informative than the ROC Plot When Evaluating Binary Classifiers on Imbalanced Datasets. PLoS ONE, 2015, 10, e0118432.	2.5	2,354
1372	Multiple In Vivo Biological Processes Are Mediated by Functionally Redundant Activities of Drosophila mir-279 and mir-996. PLoS Genetics, 2015, 11, e1005245.	3.5	28
1373	The Role of Transposable Elements in the Origin and Evolution of MicroRNAs in Human. PLoS ONE, 2015, 10, e0131365.	2.5	64
1374	Two Virus-Induced MicroRNAs Known Only from Teleost Fishes Are Orthologues of MicroRNAs Involved in Cell Cycle Control in Humans. PLoS ONE, 2015, 10, e0132434.	2.5	44
1375	A Deluge of Complex Repeats: The Solanum Genome. PLoS ONE, 2015, 10, e0133962.	2.5	23
1376	Profile of microRNA in Giant Panda Blood: A Resource for Immune-Related and Novel microRNAs. PLoS ONE, 2015, 10, e0143242.	2.5	4
1377	Identification of General and Heart-Specific miRNAs in Sheep (Ovis aries). PLoS ONE, 2015, 10, e0143313.	2.5	13
1378	Schizophrenia-Associated MIR204 Regulates Noncoding RNAs and Affects Neurotransmitter and Ion Channel Gene Sets. PLoS ONE, 2015, 10, e0144428.	2.5	12
1379	Role of bioinformatics in establishing microRNAs as modulators of abiotic stress responses: the new revolution. Frontiers in Physiology, 2015, 6, 286.	2.8	37
1380	Differential expression of seven conserved microRNAs in response to abiotic stress and their regulatory network in Helianthus annuus. Frontiers in Plant Science, 2015, 6, 741.	3.6	64
1381	MicroRNAs and High-Density Lipoprotein Cholesterol Metabolism. International Heart Journal, 2015, 56, 365-371.	1.0	18
1382	Identification and Characterization of Novel Maize Mirnas Involved in Different Genetic Background. International Journal of Biological Sciences, 2015, 11, 781-793.	6.4	19
1383	High-Throughput Sequencing Reveals Diverse Sets of Conserved, Nonconserved, and Species-Specific miRNAs in Jute. International Journal of Genomics, 2015, 2015, 1-14.	1.6	14
1384	Detecting Key Genes Regulated by miRNAs in Dysfunctional Crosstalk Pathway of Myasthenia Gravis. BioMed Research International, 2015, 2015, 1-10.	1.9	12
1385	The Emerging Role of miR-223 in Platelet Reactivity: Implications in Antiplatelet Therapy. BioMed Research International, 2015, 2015, 1-8.	1.9	47
1386	Water-mediated recognition of t1-adenosine anchors Argonaute2 to microRNA targets. ELife, 2015, 4, .	6.0	78
1387	Evolutionary and Expression Analysis of miR-#-5p and miR-#-3p at the miRNAs/isomiRs Levels. BioMed Research International, 2015, 2015, 1-14.	1.9	24
1388	Ginsenoside-Rb1 Protects Hypoxic- and Ischemic-Damaged Cardiomyocytes by Regulating Expression of miRNAs. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-6.	1.2	17



#	ARTICLE	IF	CITATIONS
1389	MatPred: Computational Identification of Mature MicroRNAs within Novel Pre-MicroRNAs. BioMed Research International, 2015, 2015, 1-9.	1.9	5
1390	Utility of Circulating MicroRNAs as Clinical Biomarkers for Cardiovascular Diseases. BioMed Research International, 2015, 2015, 1-10.	1.9	72
1391	Update on the Pathogenic Implications and Clinical Potential of microRNAs in Cardiac Disease. BioMed Research International, 2015, 2015, 1-15.	1.9	13
1392	Modulation of miRNAs in Pulmonary Hypertension. International Journal of Hypertension, 2015, 2015, 1-10.	1.3	29
1393	The Role of miR-378a in Metabolism, Angiogenesis, and Muscle Biology. International Journal of Endocrinology, 2015, 2015, 1-13.	1.5	120
1394	The Regulatory Role of MicroRNAs in EMT and Cancer. Journal of Oncology, 2015, 2015, 1-13.	1.3	234
1395	Role of MicroRNAs in Malignant Glioma. Chinese Medical Journal, 2015, 128, 1238-1244.	2.3	50
1396	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.	1.8	86
1397	MicroRNA Regulation of Abiotic Stress Response in <i>Male Sterile Tomato Mutant</i> . Plant Genome, 2015, 8, eplantgenome2015.02.0008.	2.8	12
1398	Profiling and initial validation of urinary microRNAs as biomarkers in IgA nephropathy. PeerJ, 2015, 3, e990.	2.0	36
1399	The BRCA1/2-directed miRNA signature predicts a good prognosis in ovarian cancer patients with wild-type BRCA1/2. Oncotarget, 2015, 6, 2397-2406.	1.8	36
1400	Influence of Toxicologically Relevant Metals on Human Epigenetic Regulation. Toxicological Research, 2015, 31, 1-9.	2.1	60
1401	Regulation of NF- $\kappa$ B signaling by oxidized glycerophospholipid and IL-1 $\beta$ induced miRs-21-3p and -27a-5p in human aortic endothelial cells. Journal of Lipid Research, 2015, 56, 38-50.	4.2	33
1402	Identification of subgroup-specific miRNA patterns by epigenetic profiling of sporadic and Lynch syndrome-associated colorectal and endometrial carcinoma. Clinical Epigenetics, 2015, 7, 20.	4.1	20
1403	Bichir microRNA repertoire suggests a ray-finned fish affinity of Polypteriforme. Gene, 2015, 566, 242-247.	2.2	4
1404	Efficient Detection and Purification of Cell Populations Using Synthetic MicroRNA Switches. Cell Stem Cell, 2015, 16, 699-711.	11.1	191
1405	MicroRNA biogenesis pathways in cancer. Nature Reviews Cancer, 2015, 15, 321-333.	28.4	1,738
1406	Bias in Ligation-Based Small RNA Sequencing Library Construction Is Determined by Adaptor and RNA Structure. PLoS ONE, 2015, 10, e0126049.	2.5	153

#	ARTICLE	IF	CITATIONS
1407	<i>miRBoost</i> : boosting support vector machines for microRNA precursor classification. <i>Rna</i> , 2015, 21, 775-785.	3.5	34
1408	Principles of miRNA-mRNA interactions: beyond sequence complementarity. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 3127-3141.	5.4	144
1409	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.	1.8	17
1410	Different MicroRNA Profiles in Chronic Epilepsy Versus Acute Seizure Mouse Models. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 466-479.	2.3	63
1411	Identification and Characterization of ABA-Responsive MicroRNAs in Rice. <i>Journal of Genetics and Genomics</i> , 2015, 42, 393-402.	3.9	66
1412	A microRNA profile associated with <i>Opisthorchis viverrini</i> -induced cholangiocarcinoma in tissue and plasma. <i>BMC Cancer</i> , 2015, 15, 309.	2.6	32
1413	mBISON: Finding miRNA target over-representation in gene lists from ChIP-sequencing data. <i>BMC Research Notes</i> , 2015, 8, 157.	1.4	3
1414	RNA-Seq Data Analysis for Studying Abiotic Stress in Horticultural Plants. , 2015, , 197-220.		6
1415	Comparative analysis of the Dicer-like gene family reveals loss of miR162 target site in SmDCL1 from <i>Salvia miltiorrhiza</i> . <i>Scientific Reports</i> , 2015, 5, 9891.	3.3	26
1416	Systematic discovery and characterization of stress-related microRNA genes in <i>Oryza sativa</i> . <i>Biologia (Poland)</i> , 2015, 70, 75-84.	1.5	1
1417	Frontier impact of microRNAs in skeletal muscle research: a future perspective. <i>Frontiers in Physiology</i> , 2014, 5, 495.	2.8	19
1418	Epigenetics of Personalized Toxicology. , 2015, , 245-282.		1
1419	Accurate transcriptome-wide prediction of microRNA targets and small interfering RNA off-targets with MIRZA-G. <i>Nucleic Acids Research</i> , 2015, 43, 1380-1391.	14.5	62
1420	Genome-Wide Characterization of miRNAs Involved in N Gene-Mediated Immunity in Response to Tobacco Mosaic Virus in <i>Nicotiana benthamiana</i> . <i>Evolutionary Bioinformatics</i> , 2015, 11s1, EBO.S20744.	1.2	20
1421	Computational methods for the identification of mature microRNAs within their Pre-miRNA. , 2015, , .		0
1422	Biomarker discovery: quantification of microRNAs and other small non-coding RNAs using next generation sequencing. <i>BMC Medical Genomics</i> , 2015, 8, 35.	1.5	67
1423	Exosome-mediated microRNA signaling from breast cancer cells is altered by the anti-angiogenesis agent docosahexaenoic acid (DHA). <i>Molecular Cancer</i> , 2015, 14, 133.	19.2	182
1424	Gene Model Annotations for <i>Drosophila melanogaster</i> : Impact of High-Throughput Data. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1721-1736.	1.8	50

#	ARTICLE	IF	CITATIONS
1425	microRNA: Cancer. Advances in Experimental Medicine and Biology, 2015, , .	1.6	2
1427	Novel Cadmium Responsive MicroRNAs in <i>Daphnia pulex</i> . Environmental Science & Technology, 2015, 49, 14605-14613.	10.0	34
1428	PACCMIT/PACCMIT-CDS: identifying microRNA targets in 3' UTRs and coding sequences. Nucleic Acids Research, 2015, 43, W474-W479.	14.5	20
1429	MiRBooking simulates the stoichiometric mode of action of microRNAs. Nucleic Acids Research, 2015, 43, 6730-6738.	14.5	18
1430	Dissecting the target specificity of RNase H recruiting oligonucleotides using massively parallel reporter analysis of short RNA motifs. Nucleic Acids Research, 2015, 43, 8476-8487.	14.5	7
1431	Differential expression of plasma miRNAs in patients with unprovoked venous thromboembolism and healthy control individuals. Thrombosis Research, 2015, 136, 566-572.	1.7	60
1432	The Hox cluster microRNA miR-615: a case study of intronic microRNA evolution. EvoDevo, 2015, 6, 31.	3.2	16
1433	Nucleotide sequence of miRNA precursor contributes to cleavage site selection by Dicer. Nucleic Acids Research, 2015, 43, 10939-10951.	14.5	49
1434	microRNA and Bone Cancer. Advances in Experimental Medicine and Biology, 2015, 889, 201-230.	1.6	57
1435	Clinical impact of circulating miR-26a, miR-191, and miR-208b in plasma of patients with acute myocardial infarction. European Journal of Medical Research, 2015, 20, 58.	2.2	56
1436	Cardiac Disease Status Dictates Functional mRNA Targeting Profiles of Individual MicroRNAs. Circulation: Cardiovascular Genetics, 2015, 8, 774-784.	5.1	8
1437	Genome-wide discovery of miRNAs using ensembles of machine learning algorithms and logistic regression. International Journal of Data Mining and Bioinformatics, 2015, 13, 338.	0.1	2
1438	Beyond the one-locus-one-miRNA paradigm: microRNA isoforms enable deeper insights into breast cancer heterogeneity. Nucleic Acids Research, 2015, 43, 9158-9175.	14.5	134
1439	Web server for prediction of miRNAs and their precursors and binding sites. Molecular Biology, 2015, 49, 755-761.	1.3	5
1440	Computational Prediction of microRNA Targets. Advances in Experimental Medicine and Biology, 2015, 887, 231-252.	1.6	14
1441	Neuronal calcium signaling pathways are associated with the development of epilepsy. Molecular Medicine Reports, 2015, 11, 196-202.	2.4	14
1442	MicroRNA signatures from multidrug-resistant Mycobacterium tuberculosis. Molecular Medicine Reports, 2015, 12, 6561-6567.	2.4	22
1443	Computational Modeling of miRNA Biogenesis. , 2015, , 85-98.		1

#	ARTICLE	IF	CITATIONS
1444	Rapid divergence and high diversity of miRNAs and miRNA targets in the Camelinaeae. <i>Plant Journal</i> , 2015, 81, 597-610.	5.7	20
1445	MicroRNAs associated with initiation and progression of colonic polyp: A feasibility study. <i>International Journal of Surgery</i> , 2015, 13, 272-279.	2.7	6
1446	Dicer-TRBP Complex Formation Ensures Accurate Mammalian MicroRNA Biogenesis. <i>Molecular Cell</i> , 2015, 57, 397-407.	9.7	209
1447	Toward biosensors for the detection of circulating <scp>microRNA</scp> as a cancer biomarker: an overview of the challenges and successes. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015, 7, 580-592.	6.1	39
1448	MicroRNA and Posttranscriptional Dysregulation in Psychiatry. <i>Biological Psychiatry</i> , 2015, 78, 231-239.	1.3	153
1449	m6A RNA Methylation Is Regulated by MicroRNAs and Promotes Reprogramming to Pluripotency. <i>Cell Stem Cell</i> , 2015, 16, 289-301.	11.1	483
1450	ViRBase: a resource for virusâ€‘host ncRNA-associated interactions. <i>Nucleic Acids Research</i> , 2015, 43, D578-D582.	14.5	81
1451	Dissection of miRNA Pathways Using Arabidopsis Mesophyll Protoplasts. <i>Molecular Plant</i> , 2015, 8, 261-275.	8.3	30
1452	Profiling microRNA expression during multi-staged date palm ( <i>Phoenix dactylifera</i> L.) fruit development. <i>Genomics</i> , 2015, 105, 242-251.	2.9	31
1453	MicroRNAâ€‘mRNA interactions in colorectal cancer and their role in tumor progression. <i>Genes Chromosomes and Cancer</i> , 2015, 54, 129-141.	2.8	70
1454	Distinct microRNA expression in endometrial lymphocytes, endometrium, and trophoblast during spontaneous porcine fetal loss. <i>Journal of Reproductive Immunology</i> , 2015, 107, 64-79.	1.9	22
1455	Identification and characterization of microRNA sequences from bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2015, 98, 1696-1705.	3.4	22
1456	Bias in microRNA functional enrichment analysis. <i>Bioinformatics</i> , 2015, 31, 1592-1598.	4.1	100
1457	Conserved and novel heat stressâ€‘responsive micro<scp>RNAs</scp> were identified by deep sequencing in <scp><i>S</i></scp><i>accharina japonica</i></scp> (<scp><i>L</i></scp><i>aminariales</i></scp>, <scp><i>P</i></scp><i>haeophyta</i></scp>). <i>Plant, Cell and Environment</i> , 2015, 38, 1357-1367.	5.7	52
1458	Genome-wide development of novel miRNA-based microsatellite markers of rice ( <i>Oryza sativa</i> ) for genotyping applications. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	50
1459	Accessible DNA and Relative Depletion of H3K9me2 at Maize Loci Undergoing RNA-Directed DNA Methylation. <i>Plant Cell</i> , 2015, 26, 4903-4917.	6.6	106
1460	MBSTAR: multiple instance learning for predicting specific functional binding sites in microRNA targets. <i>Scientific Reports</i> , 2015, 5, 8004.	3.3	62
1461	Genomewide analysis of small <scp>RNA</scp>s in nonembryogenic and embryogenic tissues of citrus: micro<scp>RNA</scp>â€‘and si<scp>RNA</scp>-mediated transcript cleavage involved in somatic embryogenesis. <i>Plant Biotechnology Journal</i> , 2015, 13, 383-394.	8.3	88

#	ARTICLE	IF	CITATIONS
1462	MicroRNA Biogenesis in Regenerative Medicine. , 2015, , 3-46.		4
1463	Discovering novel microRNAs and age-related nonlinear changes in rat brains using deep sequencing. Neurobiology of Aging, 2015, 36, 1037-1044.	3.1	22
1464	MicroRNA profiling of the bovine alveolar macrophage response to Mycobacterium bovis infection suggests pathogen survival is enhanced by microRNA regulation of endocytosis and lysosome trafficking. Tuberculosis, 2015, 95, 60-67.	1.9	64
1465	Identification of microRNAs in two species of tomato, Solanum lycopersicum and Solanum habrochaites, by deep sequencing. Journal of Integrative Agriculture, 2015, 14, 42-49.	3.5	7
1466	Small RNA sequencing identifies miRNA roles in ovule and fibre development. Plant Biotechnology Journal, 2015, 13, 355-369.	8.3	98
1467	A Burst of miRNA Innovation in the Early Evolution of Butterflies and Moths. Molecular Biology and Evolution, 2015, 32, 1161-1174.	8.9	30
1468	Incorporating Target Sequences of Developmentally Regulated Small RNAs Into Transgenes to Enhance Tissue Specificity of Expression in Plants. Plant Molecular Biology Reporter, 2015, 33, 505-511.	1.8	3
1469	MicroRNA regulatory networks in human adipose tissue and obesity. Nature Reviews Endocrinology, 2015, 11, 276-288.	9.6	377
1470	Microprocessor mediates transcriptional termination of long noncoding RNA transcripts hosting microRNAs. Nature Structural and Molecular Biology, 2015, 22, 319-327.	8.2	120
1471	Comparison of senescence-associated miRNAs in primary skin and lung fibroblasts. Biogerontology, 2015, 16, 423-434.	3.9	14
1472	RNA-Based Therapies for Bone Diseases. , 2015, , 1049-1073.		1
1473	MicroRNA Technology and Small-Molecule Delivery. , 2015, , 969-987.		0
1474	Can the chemotherapeutic agents perform anticancer activity though miRNA expression regulation? Proposing a new hypothesis. Protoplasma, 2015, 252, 1603-1610.	2.1	7
1475	In vivo expression patterns of microRNAs of Gallid herpesvirus 2 (GaHV-2) during the virus life cycle and development of Marek's disease lymphomas. Virus Genes, 2015, 50, 245-252.	1.6	15
1476	Roles of MicroRNAs in B Lymphocyte Physiology and Oncogenesis. , 2015, , 65-73.		0
1477	Long Noncoding RNAs and MicroRNAs in Cardiovascular Pathophysiology. Circulation Research, 2015, 116, 751-762.	4.5	334
1478	MicroRNA-26a induced by hypoxia targets HDAC6 in myogenic differentiation of embryonic stem cells. Nucleic Acids Research, 2015, 43, 2057-2073.	14.5	40
1479	ARGONAUTE2 cooperates with SWI/SNF complex to determine nucleosome occupancy at human Transcription Start Sites. Nucleic Acids Research, 2015, 43, 1498-1512.	14.5	37

#	ARTICLE	IF	CITATIONS
1480	Prediction of Mature MicroRNA and Piwi-Interacting RNA without a Genome Reference or Precursors. International Journal of Molecular Sciences, 2015, 16, 1466-1481.	4.1	10
1481	Kinetics of cisplatin binding to short r(GC) containing miRNA mimics “ influence of Na <sup>+</sup> versus K <sup>+</sup> , temperature and hydrophobicity on reactivity. Dalton Transactions, 2015, 44, 12623-12632.	3.3	3
1482	Down-regulation of hsa-miR-1264 contributes to DNMT1-mediated silencing of SOCS3. Molecular Biology Reports, 2015, 42, 1365-1376.	2.3	20
1483	Influence of Next-Generation Sequencing and Storage Conditions on miRNA Patterns Generated from PAXgene Blood. Analytical Chemistry, 2015, 87, 8910-8916.	6.5	22
1484	Analysis of shared miRNAs of different species using ensemble CCA and genetic distance. Computers in Biology and Medicine, 2015, 64, 261-267.	7.0	0
1485	Integrating full spectrum of sequence features into predicting functional microRNA-mRNA interactions. Bioinformatics, 2015, 31, 3529-3536.	4.1	20
1486	MicroRNA-Dependent Transcriptional Silencing of Transposable Elements in Drosophila Follicle Cells. PLoS Genetics, 2015, 11, e1005194.	3.5	18
1487	Integrated and comparative miRNA analysis of starvation-induced autophagy in mouse embryonic fibroblasts. Gene, 2015, 571, 194-204.	2.2	7
1488	Splicing remodels the let-7 primary microRNA to facilitate Drosha processing in Caenorhabditis elegans. Rna, 2015, 21, 1396-1403.	3.5	4
1489	Effects of low temperature on mRNA and small RNA transcriptomes in Solanum lycopersicoides leaf revealed by RNA-Seq. Biochemical and Biophysical Research Communications, 2015, 464, 768-773.	2.1	22
1490	microRNAs and the evolution of complex multicellularity: identification of a large, diverse complement of microRNAs in the brown alga <i>Ectocarpus</i> . Nucleic Acids Research, 2015, 43, 6384-6398.	14.5	40
1491	Human miR-3145 inhibits influenza A viruses replication by targeting and silencing viral PB1 gene. Experimental Biology and Medicine, 2015, 240, 1630-1639.	2.4	61
1492	Root precursors of microRNAs in wild emmer and modern wheats show major differences in response to drought stress. Functional and Integrative Genomics, 2015, 15, 587-598.	3.5	105
1493	Transcriptome analysis of mRNA and miRNA in skeletal muscle indicates an important network for differential Residual Feed Intake in pigs. Scientific Reports, 2015, 5, 11953.	3.3	137
1494	Emerging Roles of Herpesvirus microRNAs During In Vivo Infection and Pathogenesis. Current Pathobiology Reports, 2015, 3, 209-217.	3.4	12
1495	Improving small RNA-seq by using a synthetic spike-in set for size-range quality control together with a set for data normalization. Nucleic Acids Research, 2015, 43, e89-e89.	14.5	35
1496	Identification of Retinopathy of Prematurity Related miRNAs in Hyperoxia-Induced Neonatal Rats by Deep Sequencing. International Journal of Molecular Sciences, 2015, 16, 840-856.	4.1	12
1497	Detecting pan-cancer conserved microRNA modules from microRNA expression profiles across multiple cancers. Molecular BioSystems, 2015, 11, 2227-2237.	2.9	6

#	ARTICLE	IF	CITATIONS
1498	The Effect of microRNAs in the Regulation of Human CYP3A4: a Systematic Study using a Mathematical Model. <i>Scientific Reports</i> , 2014, 4, 4283.	3.3	48
1499	The small RNA content of human sperm reveals pseudogene-derived piRNAs complementary to protein-coding genes. <i>Rna</i> , 2015, 21, 1085-1095.	3.5	83
1500	Mouse Endometrium Temporal and Spatial Expression mRNA and MicroRNA Associated With Embryo Implantation. <i>Reproductive Sciences</i> , 2015, 22, 1399-1408.	2.5	19
1501	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.	1.5	10
1502	Evolutionary Patterns and Coevolutionary Consequences of <i>MIRNA</i> Genes and MicroRNA Targets Triggered by Multiple Mechanisms of Genomic Duplications in Soybean. <i>Plant Cell</i> , 2015, 27, 546-562.	6.6	89
1503	MicroRNA-mediated regulation of differentiation and trans-differentiation in stem cells. <i>Advanced Drug Delivery Reviews</i> , 2015, 88, 3-15.	13.7	53
1504	The genomes of two key bumblebee species with primitive eusocial organization. <i>Genome Biology</i> , 2015, 16, 76.	8.8	330
1505	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.	7.1	376
1506	Comparative expression profiling of miRNAs between the cytoplasmic male sterile line MeixiangA and its maintainer line MeixiangB during rice anther development. <i>Planta</i> , 2015, 241, 109-123.	3.2	55
1507	Altered expression of microRNAs in the response to ER stress. <i>Science Bulletin</i> , 2015, 60, 202-209.	9.0	7
1508	Recent trends in electrochemical microRNA biosensors for early detection of cancer. <i>RSC Advances</i> , 2015, 5, 35651-35660.	3.6	42
1509	miRNA-dis: microRNA precursor identification based on distance structure status pairs. <i>Molecular BioSystems</i> , 2015, 11, 1194-1204.	2.9	66
1510	Unique patterns of transcript and miRNA expression in the South American strong voltage electric eel ( <i>Electrophorus electricus</i> ). <i>BMC Genomics</i> , 2015, 16, 243.	2.8	29
1511	Modulation of microRNA editing, expression and processing by ADAR2 deaminase in glioblastoma. <i>Genome Biology</i> , 2015, 16, 5.	8.8	125
1512	Transcript and protein expression decoupling reveals RNA binding proteins and miRNAs as potential modulators of human aging. <i>Genome Biology</i> , 2015, 16, 41.	8.8	82
1513	Dependence of Intracellular and Exosomal microRNAs on Viral E6/E7 Oncogene Expression in HPV-positive Tumor Cells. <i>PLoS Pathogens</i> , 2015, 11, e1004712.	4.7	191
1514	MicroRNAs expression patterns in the response of poplar woody root to bending stress. <i>Planta</i> , 2015, 242, 339-351.	3.2	17
1515	Identification of microRNA Genes in Three Opisthorchiids. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003680.	3.0	24



#	ARTICLE	IF	CITATIONS
1516	Characterization of the mammalian miRNA turnover landscape. <i>Nucleic Acids Research</i> , 2015, 43, 2326-2341.	14.5	92
1517	Histone modifications induced by MDV infection at early cytolytic and latency phases. <i>BMC Genomics</i> , 2015, 16, 311.	2.8	13
1518	MicroRNAs and the regulation of aldosterone signaling in the kidney. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C521-C527.	4.6	17
1519	MicroRNAs in vascular tissue engineering and post-ischemic neovascularization. <i>Advanced Drug Delivery Reviews</i> , 2015, 88, 78-91.	13.7	26
1520	Stress-induced endogenous siRNAs targeting regulatory intron sequences in <i>Brachypodium</i> . <i>Rna</i> , 2015, 21, 145-163.	3.5	19
1521	lncNASNP: a database of SNPs in lncRNAs and their potential functions in human and mouse. <i>Nucleic Acids Research</i> , 2015, 43, D181-D186.	14.5	204
1522	MicroRNA Biology and Pain. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 131, 215-249.	1.7	20
1523	Diversity and functional convergence of small noncoding RNAs in male germ cell differentiation and fertilization. <i>Rna</i> , 2015, 21, 946-962.	3.5	53
1524	MicroRNAome in decidua: a new approach to assess the maintenance of pregnancy. <i>Fertility and Sterility</i> , 2015, 103, 980-989.e6.	1.0	31
1525	Implications of miR166 and miR159 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.	2.0	38
1526	miRNA in multiple sclerosis: search for novel biomarkers. <i>Multiple Sclerosis Journal</i> , 2015, 21, 1095-1103.	3.0	62
1527	DREAM: a webserver for the identification of editing sites in mature miRNAs using deep sequencing data. <i>Bioinformatics</i> , 2015, 31, 2568-2570.	4.1	20
1528	Importance of Myc-related microRNAs in induced pluripotency. <i>Cell Biology International</i> , 2015, 39, 987-994.	3.0	2
1529	Overexpression of potato miR482e enhanced plant sensitivity to <i>Verticillium dahliae</i> infection. <i>Journal of Integrative Plant Biology</i> , 2015, 57, 1078-1088.	8.5	124
1530	Identification of lncRNA-associated competing triplets reveals global patterns and prognostic markers for cancer. <i>Nucleic Acids Research</i> , 2015, 43, 3478-3489.	14.5	219
1531	Gemcitabine impacts differentially on bladder and kidney cancer cells: distinct modulations in the expression patterns of apoptosis-related microRNAs and BCL2 family genes. <i>Tumor Biology</i> , 2015, 36, 3197-3207.	1.8	10
1532	MicroRNAs and oncolytic viruses. <i>Current Opinion in Virology</i> , 2015, 13, 40-48.	5.4	57
1533	siRNA Versus miRNA as Therapeutics for Gene Silencing. <i>Molecular Therapy - Nucleic Acids</i> , 2015, 4, e252.	5.1	730

#	ARTICLE	IF	CITATIONS
1534	Scaffolds for Artificial miRNA Expression in Animal Cells. <i>Human Gene Therapy Methods</i> , 2015, 26, 162-174.	2.1	11
1535	Integrated analysis of miRNA, gene, and pathway regulatory networks in hepatic cancer stem cells. <i>Journal of Translational Medicine</i> , 2015, 13, 259.	4.4	20
1536	Inhibition of Gastric Tumor Cell Growth Using Seed-targeting LNA as Specific, Long-lasting MicroRNA Inhibitors. <i>Molecular Therapy - Nucleic Acids</i> , 2015, 4, e246.	5.1	20
1537	MicroRNAs enrichment in GWAS of complex human phenotypes. <i>BMC Genomics</i> , 2015, 16, 304.	2.8	24
1538	Widespread and evolutionary analysis of a MITE family Monkey King in Brassicaceae. <i>BMC Plant Biology</i> , 2015, 15, 149.	3.6	9
1539	Mirinho: An efficient and general plant and animal pre-miRNA predictor for genomic and deep sequencing data. <i>BMC Bioinformatics</i> , 2015, 16, 179.	2.6	16
1540	An integrative approach to identify hexaploid wheat miRNAome associated with development and tolerance to abiotic stress. <i>BMC Genomics</i> , 2015, 16, 339.	2.8	25
1541	Functional marker development of miR1511-InDel and allelic diversity within the genus <i>Glycine</i> . <i>BMC Genomics</i> , 2015, 16, 467.	2.8	8
1542	The microRNA-183 cluster: the family that plays together stays together. <i>Nucleic Acids Research</i> , 2015, 43, 7173-7188.	14.5	169
1543	A Uniform System for the Annotation of Vertebrate microRNA Genes and the Evolution of the Human microRNAome. <i>Annual Review of Genetics</i> , 2015, 49, 213-242.	7.6	467
1544	Deep sequencing, profiling and detailed annotation of microRNAs in <i>Takifugu rubripes</i> . <i>BMC Genomics</i> , 2015, 16, 457.	2.8	21
1545	miRNA Nomenclature: A View Incorporating Genetic Origins, Biosynthetic Pathways, and Sequence Variants. <i>Trends in Genetics</i> , 2015, 31, 613-626.	6.7	164
1546	A transgenic resource for conditional competitive inhibition of conserved <i>Drosophila</i> microRNAs. <i>Nature Communications</i> , 2015, 6, 7279.	12.8	63
1547	MicroRNA's are novel biomarkers in sepsis – A systematic review. <i>Trends in Anaesthesia and Critical Care</i> , 2015, 5, 151-156.	0.9	2
1548	Bioinformatic prediction of upstream microRNAs of PPO and novel microRNAs in potato. <i>Canadian Journal of Plant Science</i> , 2015, 95, 871-877.	0.9	14
1549	Peritoneal fluid modifies the microRNA expression profile in endometrial and endometriotic cells from women with endometriosis. <i>Human Reproduction</i> , 2015, 30, 2292-2302.	0.9	51
1550	Methods and Techniques for miRNA Data Analysis. <i>Methods in Molecular Biology</i> , 2015, 1375, 11-23.	0.9	4
1551	Neurobehavioral Alterations in a Genetic Murine Model of Feingold Syndrome 2. <i>Behavior Genetics</i> , 2015, 45, 547-559.	2.1	8

#	ARTICLE	IF	CITATIONS
1552	Corticostriatal microRNAs in addiction. <i>Brain Research</i> , 2015, 1628, 2-16.	2.2	23
1553	A framework for improving microRNA prediction in non-human genomes. <i>Nucleic Acids Research</i> , 2015, 43, gkv698.	14.5	29
1555	Dynamic and Coordinated Expression Changes of Rice Small RNAs in Response to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <i>Journal of Genetics and Genomics</i> , 2015, 42, 625-637.	3.9	16
1556	Aryl amide small-molecule inhibitors of microRNA miR-21 function. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4793-4796.	2.2	48
1557	MicroRNA-142-3p and microRNA-142-5p are downregulated in hepatocellular carcinoma and exhibit synergistic effects on cell motility. <i>Frontiers of Medicine</i> , 2015, 9, 331-343.	3.4	42
1558	Mathematical Models in Biology. , 2015, , .		3
1559	Autotetraploid rice methylome analysis reveals methylation variation of transposable elements and their effects on gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E7022-9.	7.1	137
1560	Discovering MicroRNAs and Their Targets in Plants. <i>Critical Reviews in Plant Sciences</i> , 2015, 34, 553-571.	5.7	12
1561	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.	2.5	86
1562	Gammaherpesvirus Small Noncoding RNAs Are Bifunctional Elements That Regulate Infection and Contribute to Virulence <i>In Vivo</i> . <i>MBio</i> , 2015, 6, e01670-14.	4.1	42
1564	piRNA-like small RNAs mark extended 3'UTRs present in germ and somatic cells. <i>BMC Genomics</i> , 2015, 16, 462.	2.8	14
1565	Novel and conserved heat-responsive microRNAs in wheat ( <i>Triticum aestivum</i> L.). <i>Functional and Integrative Genomics</i> , 2015, 15, 323-348.	3.5	121
1566	Current transcriptomics in pig immunity research. <i>Mammalian Genome</i> , 2015, 26, 1-20.	2.2	34
1567	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
1568	Computational challenges, tools, and resources for analyzing co- and post-transcriptional events in high throughput. <i>Wiley Interdisciplinary Reviews RNA</i> , 2015, 6, 291-310.	6.4	16
1569	Adipocyte-derived exosomal miRNAs: a novel mechanism for obesity-related disease. <i>Pediatric Research</i> , 2015, 77, 447-454.	2.3	220
1570	Marekx3s disease virus-encoded analog of microRNA-155 activates the oncogene c-Myc by targeting LTBP1 and suppressing the TGF- $\beta$ 2 signaling pathway. <i>Virology</i> , 2015, 476, 72-84.	2.4	42
1571	Epigenetic Modifications in Fibrotic Diseases: Implications for Pathogenesis and Pharmacological Targets. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 352, 2-13.	2.5	33

#	ARTICLE	IF	CITATIONS
1572	Converging Evidence Implicates the Abnormal MicroRNA System in Schizophrenia. Schizophrenia Bulletin, 2015, 41, 728-735.	4.3	32
1573	Identification of a polyomavirus microRNA highly expressed in tumors. Virology, 2015, 476, 43-53.	2.4	26
1574	Excess fertilizer responsive miRNAs revealed in Linum usitatissimum L. Biochimie, 2015, 109, 36-41.	2.6	31
1575	The biological functions of miRNAs: lessons from in vivo studies. Trends in Cell Biology, 2015, 25, 137-147.	7.9	455
1576	Deep sequencing analyses of pine wood nematode Bursaphelenchus xylophilus microRNAs reveal distinct miRNA expression patterns during the pathological process of pine wilt disease. Gene, 2015, 555, 346-356.	2.2	22
1577	De novo transcriptome assembly, gene annotation, marker development, and miRNA potential target genes validation under abiotic stresses in Oenanthе javanica. Molecular Genetics and Genomics, 2015, 290, 671-683.	2.1	48
1578	The role of microRNAs in human neural stem cells, neuronal differentiation and subtype specification. Cell and Tissue Research, 2015, 359, 47-64.	2.9	98
1579	miR408 overexpression causes increased drought tolerance in chickpea. Gene, 2015, 555, 186-193.	2.2	194
1580	Signature microRNAs in human cornea limbal epithelium. Functional and Integrative Genomics, 2015, 15, 277-294.	3.5	17
1581	miR-122 "A key factor and therapeutic target in liver disease. Journal of Hepatology, 2015, 62, 448-457.	3.7	487
1582	miR-148a is upregulated by Twist1 and Tbet and promotes Th1 cell survival by regulating the proapoptotic gene Bim. European Journal of Immunology, 2015, 45, 1192-1205.	2.9	56
1583	Neoadjuvant Chemotherapy in Breast Cancer Patients Induces miR-34a and miR-122 Expression. Journal of Cellular Physiology, 2015, 230, 473-481.	4.1	39
1584	MicroRNAs associated with exercise and diet: a systematic review. Physiological Genomics, 2015, 47, 1-11.	2.3	63
1585	Genomic alterations as mediators of miRNA dysregulation in ovarian cancer. Genes Chromosomes and Cancer, 2015, 54, 1-19.	2.8	23
1586	Apple Fruit Copper Amine Oxidase Isoforms: Peroxisomal MDAO1 Prefers Diamines as Substrates, Whereas Extracellular MDAO2 Exclusively Utilizes Monoamines. Plant and Cell Physiology, 2015, 56, 137-147.	3.1	36
1587	A plasma microRNA panel for early detection of colorectal cancer. International Journal of Cancer, 2015, 136, 152-161.	5.1	138
1588	Adeno-Associated Virus Vectors and Neurological Gene Therapy. Neuroscientist, 2015, 21, 84-98.	3.5	101
1589	Copy Number Variable MicroRNAs in Schizophrenia and Their Neurodevelopmental Gene Targets. Biological Psychiatry, 2015, 77, 158-166.	1.3	58

#	ARTICLE	IF	CITATIONS
1590	The dynamic regulation of microRNAs circuits in plant adaptation to abiotic stresses: A survey on molecular, physiological and methodological aspects. Environmental and Experimental Botany, 2015, 114, 65-79.	4.2	5
1591	MicroRNA Polymorphisms and Risk of Colorectal Cancer. Cancer Epidemiology Biomarkers and Prevention, 2015, 24, 65-72.	2.5	11
1592	Abiotic Stress Responses in Legumes: Strategies Used to Cope with Environmental Challenges. Critical Reviews in Plant Sciences, 2015, 34, 237-280.	5.7	212
1593	Characterization of microRNA expression profiles in <i>Leishmania</i> -infected human phagocytes. Parasite Immunology, 2015, 37, 43-51.	1.5	109
1594	Deep sequencing reveals important roles of microRNAs in response to drought and salinity stress in cotton. Journal of Experimental Botany, 2015, 66, 789-804.	4.8	198
1595	Recent progress in microRNA delivery for cancer therapy by non-viral synthetic vectors. Advanced Drug Delivery Reviews, 2015, 81, 142-160.	13.7	208
1597	Spatiotemporal dynamics of microRNA during epithelial collective cell migration. Biomaterials, 2015, 37, 156-163.	11.4	24
1598	Predicting human miRNA target genes using a novel computational intelligent framework. Information Sciences, 2015, 294, 576-585.	6.9	6
1599	Identification of microRNAs differentially expressed in prostatic secretions of patients with prostate cancer. International Journal of Cancer, 2015, 136, 875-879.	5.1	42
1600	A 2.5-Kilobase Deletion Containing a Cluster of Nine MicroRNAs in the Latency-Associated-Transcript Locus of the Pseudorabies Virus Affects the Host Response of Porcine Trigeminal Ganglia during Established Latency. Journal of Virology, 2015, 89, 428-442.	3.4	24
1601	MicroRNA-mediated networks underlie immune response regulation in papillary thyroid carcinoma. Scientific Reports, 2014, 4, 6495.	3.3	25
1602	FlaiMapper: computational annotation of small ncRNA-derived fragments using RNA-seq high-throughput data. Bioinformatics, 2015, 31, 665-673.	4.1	28
1603	Immuno-miRs: critical regulators of T cell development, function and ageing. Immunology, 2015, 144, 1-10.	4.4	141
1604	Argonaute CLIP-Seq reveals miRNA targetome diversity across tissue types. Scientific Reports, 2014, 4, 5947.	3.3	88
1605	BioVLAB-MMIA-NGS: microRNA-mRNA integrated analysis using high-throughput sequencing data. Bioinformatics, 2015, 31, 265-267.	4.1	38
1606	miRNAs as Nutritional Targets in Aging. , 2016, , 277-291.		3
1607	Network analysis of microRNAs, transcription factors, target genes and host genes in nasopharyngeal carcinoma. Oncology Letters, 2016, 11, 3821-3828.	1.8	4
1608	Deep RNA sequencing elucidates microRNA-regulated molecular pathways in ischemic cardiomyopathy and nonischemic cardiomyopathy. Genetics and Molecular Research, 2016, 15, .	0.2	12

#	ARTICLE	IF	CITATIONS
1609	Identification of colorectal cancer-restricted microRNAs and their target genes based on high-throughput sequencing data. <i>OncoTargets and Therapy</i> , 2016, 9, 1787.	2.0	12
1610	MicroRNA in Inflammatory Bowel Disease. , 0, , .		0
1611	RNA interference as a gene silencing tool to control <i>Tuta absoluta</i> in tomato ( <i>Solanum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	47
1612	Epigenetic Regulation of Innate Immunity by microRNAs. <i>Antibodies</i> , 2016, 5, 8.	2.5	10
1613	Reaping the Benefits of Next-generation Sequencing Technologies for Crop Improvement “ Solanaceae. , 0, , .		1
1614	Differences in molecular evolutionary rates among microRNAs in the human and chimpanzee genomes. <i>BMC Genomics</i> , 2016, 17, 528.	2.8	13
1615	HGIMDA: Heterogeneous graph inference for miRNA-disease association prediction. <i>Oncotarget</i> , 2016, 7, 65257-65269.	1.8	219
1616	High Percentage of Isomeric Human MicroRNA and Their Analytical Challenges. <i>Non-coding RNA</i> , 2016, 2, 13.	2.6	1
1617	Increased miR-132 level is associated with visual memory dysfunction in patients with depression. <i>Neuropsychiatric Disease and Treatment</i> , 2016, Volume 12, 2905-2911.	2.2	27
1618	Diagnostic value of microRNAs in asbestos exposure and malignant mesothelioma: systematic review and qualitative meta-analysis. <i>Oncotarget</i> , 2016, 7, 58606-58637.	1.8	69
1619	Perinatal Neurohormonal Programming and Endocrine Disruption. , 2016, , 63-87.		1
1620	Red Pigment Content and Expression of Genes Related to Anthocyanin Biosynthesis in Radishes ( <i>Raphanus sativus</i> L.) with Different Colored Flesh. <i>Journal of Agricultural Science</i> , 2016, 8, 126.	0.2	14
1621	Characterization and Profiling of Liver microRNAs by RNA-sequencing in Cattle Divergently Selected for Residual Feed Intake. <i>Asian-Australasian Journal of Animal Sciences</i> , 2016, 29, 1371-1382.	2.4	28
1622	Differences in miRNA and mRNA Profile of Papillary Thyroid Cancer Variants. <i>International Journal of Endocrinology</i> , 2016, 2016, 1-10.	1.5	29
1623	A Meta-Path-Based Prediction Method for Human miRNA-Target Association. <i>BioMed Research International</i> , 2016, 2016, 1-9.	1.9	10
1624	Sertoli Cell-Only Syndrome: Behind the Genetic Scenes. <i>BioMed Research International</i> , 2016, 2016, 1-7.	1.9	22
1625	Elevated Circulating hsa-miR-106b, hsa-miR-26a, and hsa-miR-29b in Type 2 Diabetes Mellitus with Diarrhea-Predominant Irritable Bowel Syndrome. <i>Gastroenterology Research and Practice</i> , 2016, 2016, 1-9.	1.5	19
1626	Analysis of circulating miRNAs 21 and 375 as potential biomarkers for early diagnosis of prostate cancer. <i>Neoplasma</i> , 2016, 63, 623-628.	1.6	30

#	ARTICLE	IF	CITATIONS
1627	BBBomics-Human Blood Brain Barrier Transcriptomics Hub. <i>Frontiers in Neuroscience</i> , 2016, 10, 71.	2.8	31
1628	Crosstalk between Long Noncoding RNAs and MicroRNAs in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2016, 17, 356.	4.1	207
1629	Predicting MicroRNA Biomarkers for Cancer Using Phylogenetic Tree and Microarray Analysis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 773.	4.1	20
1630	Micro-RNA Feedback Loops Modulating the Calcineurin/NFAT Signaling Pathway. <i>Non-coding RNA</i> , 2016, 2, 3.	2.6	6
1631	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.	2.5	18
1632	Predicting miRNA Targets by Integrating Gene Regulatory Knowledge with Expression Profiles. <i>PLoS ONE</i> , 2016, 11, e0152860.	2.5	15
1633	Circulating microRNA Profiles during the Bovine Oestrous Cycle. <i>PLoS ONE</i> , 2016, 11, e0158160.	2.5	42
1634	Studying Dynamic Features in Myocardial Infarction Progression by Integrating miRNA-Transcription Factor Co-Regulatory Networks and Time-Series RNA Expression Data from Peripheral Blood Mononuclear Cells. <i>PLoS ONE</i> , 2016, 11, e0158638.	2.5	7
1635	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.	2.5	7
1636	Wolbachia Blocks Viral Genome Replication Early in Infection without a Transcriptional Response by the Endosymbiont or Host Small RNA Pathways. <i>PLoS Pathogens</i> , 2016, 12, e1005536.	4.7	79
1637	Identification, Expression Analysis, and Target Prediction of Flax Genotroph MicroRNAs Under Normal and Nutrient Stress Conditions. <i>Frontiers in Plant Science</i> , 2016, 7, 399.	3.6	43
1638	Small RNA Profiles of the Rice PTCMS Line Wuxiang S Reveal miRNAs Involved in Fertility Transition. <i>Frontiers in Plant Science</i> , 2016, 7, 514.	3.6	24
1639	Dissecting miRNAs in Wheat D Genome Progenitor, <i>Aegilops tauschii</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 606.	3.6	29
1640	Identification of microRNAs Involved in Regeneration of the Secondary Vascular System in <i>Populus tomentosa</i> Carr. <i>Frontiers in Plant Science</i> , 2016, 7, 724.	3.6	29
1641	Small RNA Regulators of Plant-Hemipteran Interactions: Micromanagers with Versatile Roles. <i>Frontiers in Plant Science</i> , 2016, 7, 1241.	3.6	28
1642	High-Throughput Sequencing Reveals H2O2 Stress-Associated MicroRNAs and a Potential Regulatory Network in <i>Brachypodium distachyon</i> Seedlings. <i>Frontiers in Plant Science</i> , 2016, 7, 1567.	3.6	16
1643	MicroRNA Profiling in Aqueous Humor of Individual Human Eyes by Next-Generation Sequencing. , 2016, 57, 1706.		47
1644	MiR-106b-5p Inhibits Tumor Necrosis Factor- $\alpha$ -induced Apoptosis by Targeting Phosphatase and Tensin Homolog Deleted on Chromosome 10 in Vascular Endothelial Cells. <i>Chinese Medical Journal</i> , 2016, 129, 1406-1412.	2.3	26



#	ARTICLE	IF	CITATIONS
1645	A pan-cancer analysis of <i>MYC-PVT1</i> reveals CNV-unmediated deregulation and poor prognosis in renal carcinoma. <i>Oncotarget</i> , 2016, 7, 47033-47041.	1.8	31
1646	Long Non-Coding RNAs (lncRNAs) of Sea Cucumber: Large-Scale Prediction, Expression Profiling, Non-Coding Network Construction, and lncRNA-microRNA-Gene Interaction Analysis of lncRNAs in <i>Apostichopus japonicus</i> and <i>Holothuria glaberrima</i> During LPS Challenge and Radial Organ Complex Regeneration. <i>Marine Biotechnology</i> , 2016, 18, 485-499.	2.4	30
1647	miRNA-mediated auxin signalling repression during <i>Vat</i> -mediated aphid resistance in <i>Cucumis melo</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 1216-1227.	5.7	34
1648	Can circulating <i>miRNAs</i> live up to the promise of being minimal invasive biomarkers in clinical settings?. <i>Wiley Interdisciplinary Reviews RNA</i> , 2016, 7, 148-156.	6.4	65
1649	Progression of mouse skin carcinogenesis is associated with the orchestrated deregulation of <i>mir-200</i> family members, <i>mir-205</i> and their common targets. <i>Molecular Carcinogenesis</i> , 2016, 55, 1229-1242.	2.7	24
1650	DrugTargetInspector: An assistance tool for patient treatment stratification. <i>International Journal of Cancer</i> , 2016, 138, 1765-1776.	5.1	8
1651	N <sup>ε</sup> -Carboxymethyllysine Increases the Expression of <i>miR-103/143</i> and Enhances Lipid Accumulation in 3T3-L1 Cells. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 2413-2422.	2.6	15
1652	<i>miR-155</i> in the progression of lung fibrosis in systemic sclerosis. <i>Arthritis Research and Therapy</i> , 2016, 18, 155.	3.5	96
1653	miRNAfold: a web server for fast miRNA precursor prediction in genomes. <i>Nucleic Acids Research</i> , 2016, 44, W181-W184.	14.5	78
1654	Methylation interactions in <i>Arabidopsis</i> hybrids require RNA-directed DNA methylation and are influenced by genetic variation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4248-56.	7.1	79
1655	Twenty years of artificial directional selection have shaped the genome of the Italian Large White pig breed. <i>Animal Genetics</i> , 2016, 47, 181-191.	1.7	16
1656	The expression of <i>miR-125b-5p</i> is increased in the serum of patients with chronic hepatitis B infection and inhibits the detection of hepatitis B virus surface antigen. <i>Journal of Viral Hepatitis</i> , 2016, 23, 330-339.	2.0	35
1657	Regulatory network analysis of genes and microRNAs in human hepatoblastoma. <i>Oncology Letters</i> , 2016, 12, 4099-4106.	1.8	7
1658	Effects of <i>miR-223</i> on expression of <i>IL-1<math>\beta</math></i> and <i>IL-6</i> in human gingival fibroblasts. <i>Journal of Oral Science</i> , 2016, 58, 101-108.	1.7	31
1659	Lateralization of gene expression in the honeybee brain during olfactory learning. <i>Scientific Reports</i> , 2016, 6, 34727.	3.3	16
1660	WBSMDA: Within and Between Score for MiRNA-Disease Association prediction. <i>Scientific Reports</i> , 2016, 6, 21106.	3.3	314
1661	Automated detection of ncRNAs in the draft genome sequence of a colonial tunicate: the carpet sea squirt <i>Didemnum vexillum</i> . <i>BMC Genomics</i> , 2016, 17, 691.	2.8	10
1662	Clustering and evolutionary analysis of small RNAs identify regulatory siRNA clusters induced under drought stress in rice. <i>BMC Systems Biology</i> , 2016, 10, 115.	3.0	10

#	ARTICLE	IF	CITATIONS
1663	Enhanced Viral Precursor MicroRNA Identification with Structural Robustness Features in Back-Propagation Neural Network. , 2016, , .		0
1664	FARNA: knowledgebase of inferred functions of non-coding RNA transcripts. Nucleic Acids Research, 2017, 45, gkw973.	14.5	30
1665	Networks analysis of genes and microRNAs in human Wilms' tumors. Oncology Letters, 2016, 12, 3579-3585.	1.8	22
1666	Identification of aberrant tRNA-halves expression patterns in clear cell renal cell carcinoma. Scientific Reports, 2016, 6, 37158.	3.3	59
1667	The genome of the Gulf pipefish enables understanding of evolutionary innovations. Genome Biology, 2016, 17, 258.	8.8	76
1668	Regulatory network of microRNAs and genes in testicular cancer. Oncology Letters, 2016, 12, 3640-3646.	1.8	2
1669	Identification of side- and shear-dependent microRNAs regulating porcine aortic valve pathogenesis. Scientific Reports, 2016, 6, 25397.	3.3	43
1671	Lymph node or perineural invasion is associated with low miR-15a, miR-34c and miR-199b levels in head and neck squamous cell carcinoma. BBA Clinical, 2016, 6, 159-164.	4.1	20
1672	A novel comprehensive wheat miRNA database, including related bioinformatics software. Current Plant Biology, 2016, 7-8, 31-33.	4.7	19
1673	miR-564 acts as a dual inhibitor of PI3K and MAPK signaling networks and inhibits proliferation and invasion in breast cancer. Scientific Reports, 2016, 6, 32541.	3.3	53
1674	Identification of novel miRNAs from drought tolerant rice variety Nagina 22. Scientific Reports, 2016, 6, 30786.	3.3	82
1675	A comparison of microRNA expression profiles from splenic hemangiosarcoma, splenic nodular hyperplasia, and normal spleens of dogs. BMC Veterinary Research, 2016, 12, 272.	1.9	33
1676	Small <scp>RNA</scp> and degradome sequencing reveals important micro<scp>RNA</scp> function in <i><scp>A</scp>stragalus chrysochlorus</i> response to selenium stimuli. Plant Biotechnology Journal, 2016, 14, 543-556.	8.3	43
1677	Small Noncoding RNAs in Senescence and Aging. Healthy Ageing and Longevity, 2016, , 287-312.	0.2	1
1678	Identification and characterization of microRNAs in the zoonotic fluke Fasciolopsis buski. Parasitology Research, 2016, 115, 2433-2438.	1.6	7
1679	Evaluation of inhibition of miRNA expression induced by anti-miRNA oligonucleotides. Analytical and Bioanalytical Chemistry, 2016, 408, 4829-4833.	3.7	3
1680	MicroRNAs of the mesothorax in Qinlingacris elaeodes, an alpine grasshopper showing a wing polymorphism with unilateral wing form. Bulletin of Entomological Research, 2016, 106, 225-232.	1.0	1
1681	Identification of microRNAs correlated with citrus granulation based on bioinformatics and molecular biology analysis. Postharvest Biology and Technology, 2016, 118, 59-67.	6.0	32

#	ARTICLE	IF	CITATIONS
1682	MicroRNA biomarkers in clinical renal disease: from diabetic nephropathy renal transplantation and beyond. Food and Chemical Toxicology, 2016, 98, 73-88.	3.6	28
1683	MicroRNA degeneracy and pluripotentiality within a LavalliÃ“re-tie architecture confers robustness to gene expression networks. Cellular and Molecular Life Sciences, 2016, 73, 2821-2827.	5.4	0
1684	Long non-coding RNA Databases in Cardiovascular Research. Genomics, Proteomics and Bioinformatics, 2016, 14, 191-199.	6.9	38
1685	Identifying cell-specific microRNA transcriptional start sites. Bioinformatics, 2016, 32, 2403-2410.	4.1	18
1686	Oral squamous cell carcinoma: microRNA expression profiling and integrative analyses for elucidation of tumourigenesis mechanism. Molecular Cancer, 2016, 15, 28.	19.2	161
1687	Differential miRNA expression in maize ear subjected to shading tolerance. Acta Physiologiae Plantarum, 2016, 38, 1.	2.1	5
1688	The roles of microRNAs in the pathogenesis and drug resistance of chronic myelogenous leukemia (Review). Oncology Reports, 2016, 35, 614-624.	2.6	33
1689	Comparative genomic analysis of upstream miRNA regulatory motifs in Caenorhabditis. Rna, 2016, 22, 968-978.	3.5	2
1690	Temperature expression patterns of genes and their coexpression with LncRNAs revealed by RNA-Seq in non-heading Chinese cabbage. BMC Genomics, 2016, 17, 297.	2.8	86
1691	Separating the wheat from the chaff: systematic identification of functionally relevant noncoding variants in ADHD. Molecular Psychiatry, 2016, 21, 1589-1598.	7.9	7
1692	Cellular Ageing and Replicative Senescence. Healthy Ageing and Longevity, 2016, , .	0.2	10
1693	Identification and characterization of differentially expressed novel miRNAs (21â€“24Ânt) in a Macrophomina phaseolina resistant RIL line of jute (Corchorus capsularis L.). Physiological and Molecular Plant Pathology, 2016, 94, 62-66.	2.5	9
1694	A novel tumor-promoting mechanism of IL6 and the therapeutic efficacy of tocilizumab: Hypoxia-induced IL6 is a potent autophagy initiator in glioblastoma via the p-STAT3-<i>MIR155-3p</i>-CREBRF pathway. Autophagy, 2016, 12, 1129-1152.	9.1	113
1695	Adenoviral Vectors for RNAi Delivery. , 2016, , 739-765.		0
1696	Transcriptional, post-transcriptional and chromatin-associated regulation of pri-miRNAs, pre-miRNAs and moRNAs. Nucleic Acids Research, 2016, 44, 3070-3081.	14.5	38
1697	The Smaug RNA-Binding Protein Is Essential for microRNA Synthesis During the <i>Drosophila</i> Maternal-to-Zygotic Transition. G3: Genes, Genomes, Genetics, 2016, 6, 3541-3551.	1.8	20
1698	Plasma exosome microRNAs are indicative of breast cancer. Breast Cancer Research, 2016, 18, 90.	5.0	434
1699	miRNA 206 and miRNA 574-5p are highly expression in coronary artery disease. Bioscience Reports, 2016, 36, e00295.	2.4	37

#	ARTICLE	IF	CITATIONS
1700	The regulation roles of miR-125b, miR-221 and miR-27b in porcine Salmonella infection signalling pathway. Bioscience Reports, 2016, 36, .	2.4	11
1701	MiR-139-5p is associated with inflammatory regulation through c-FOS suppression, and contributes to the progression of primary biliary cholangitis. Laboratory Investigation, 2016, 96, 1165-1177.	3.7	28
1702	The whole genome sequence of the Mediterranean fruit fly, <i>Ceratitis capitata</i> (Wiedemann), reveals insights into the biology and adaptive evolution of a highly invasive pest species. Genome Biology, 2016, 17, 192.	8.8	130
1703	Genome-wide identification of microRNAs in pomegranate ( <i>Punica granatum</i> L.) by high-throughput sequencing. BMC Plant Biology, 2016, 16, 122.	3.6	57
1704	Computational identification and characterization of novel microRNA in the mammary gland of dairy goat ( <i>Capra hircus</i> ). Journal of Genetics, 2016, 95, 625-637.	0.7	2
1705	The role of miRNAs in cardiovascular disease risk factors. Atherosclerosis, 2016, 254, 271-281.	0.8	51
1706	Pairing beyond the Seed Supports MicroRNA Targeting Specificity. Molecular Cell, 2016, 64, 320-333.	9.7	344
1707	SPIRE, a modular pipeline for eQTL analysis of RNA-Seq data, reveals a regulatory hotspot controlling miRNA expression in <i>C. elegans</i> . Molecular BioSystems, 2016, 12, 3447-3458.	2.9	4
1708	TEG-1 CD2BP2 controls miRNA levels by regulating miRISC stability in <i>C. elegans</i> and human cells. Nucleic Acids Research, 2017, 45, gkw836.	14.5	7
1709	MicroRNA-15a inhibits the growth and invasiveness of malignant melanoma and directly targets on CDCA4 gene. Tumor Biology, 2016, 37, 13941-13950.	1.8	31
1710	The emerging role of epigenetics in pulmonary hypertension. European Respiratory Journal, 2016, 48, 903-917.	6.7	32
1711	Circulating miR-148b-3p and miR-409-3p as biomarkers for heart failure in patients with mitral regurgitation. International Journal of Cardiology, 2016, 222, 148-154.	1.7	22
1712	Revised annotation of <i>Plutella xylostella</i> microRNAs and their genome-wide target identification. Insect Molecular Biology, 2016, 25, 788-799.	2.0	32
1713	Molecular and biological hallmarks of ageing. British Journal of Surgery, 2016, 103, e29-e46.	0.3	202
1714	MicroRNA-33 Regulates the Innate Immune Response via ATP Binding Cassette Transporter-mediated Remodeling of Membrane Microdomains. Journal of Biological Chemistry, 2016, 291, 19651-19660.	3.4	56
1715	MicroRNA Biomarkers of Toxicity in Biological Matrices. Toxicological Sciences, 2016, 152, 264-272.	3.1	54
1716	Systems Biology Approaches to Improve Drought Stress Tolerance in Plants: State of the Art and Future Challenges. , 2016, , 433-471.		1
1717	Analysis of Heme Iron Coordination in DGC8: The Heme-Binding Component of the Microprocessor Complex. Biochemistry, 2016, 55, 5073-5083.	2.5	11

#	ARTICLE	IF	CITATIONS
1718	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.	2.3	31
1719	miRNA Profiling in Plants: Current Identification and Expression Approaches. , 2016, , 189-215.		0
1720	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.	3.5	29
1721	miR-181b-5p, miR-195-5p and miR-301a-3p are related with treatment resistance in schizophrenia. <i>Psychiatry Research</i> , 2016, 245, 200-206.	3.3	38
1722	Î±-Solanine Modulates the Radiosensitivity of Esophageal Cancer Cells by Inducing MicroRNA 138 Expression. <i>Cellular Physiology and Biochemistry</i> , 2016, 39, 996-1010.	1.6	21
1723	miRNAsong: a web-based tool for generation and testing of miRNA sponge constructs in silico. <i>Scientific Reports</i> , 2016, 6, 36625.	3.3	62
1724	Systems analysis identifies miR-29b regulation of invasiveness in melanoma. <i>Molecular Cancer</i> , 2016, 15, 72.	19.2	21
1725	The microRNA toolkit of insects. <i>Scientific Reports</i> , 2016, 6, 37736.	3.3	40
1726	Comparative analysis of microRNA profiles of rice anthers between cool-sensitive and cool-tolerant cultivars under cool-temperature stress. <i>Genes and Genetic Systems</i> , 2016, 91, 97-109.	0.7	9
1727	From cell biology to immunology: Controlling metastatic progression of cancer via microRNA regulatory networks. <i>Oncotmunology</i> , 2016, 5, e1230579.	4.6	5
1728	Upregulation of microRNA-370 promotes cell apoptosis and inhibits proliferation by targeting PTEN in human gastric cancer. <i>International Journal of Oncology</i> , 2016, 49, 1589-1599.	3.3	22
1729	Accurate detection for a wide range of mutation and editing sites of microRNAs from small RNA high-throughput sequencing profiles. <i>Nucleic Acids Research</i> , 2016, 44, e123-e123.	14.5	43
1730	Bioinformatics Prediction and Experimental Validation of MicroRNAs Involved in Cross-Kingdom Interaction. <i>Journal of Computational Biology</i> , 2016, 23, 976-989.	1.6	34
1731	Network and pathway analysis of microRNAs, transcription factors, target genes and host genes in human glioma. <i>Oncology Letters</i> , 2016, 11, 3534-3542.	1.8	5
1732	Biomimetic Scaffolds Integrated with Patterns of Exogenous Growth Factors. , 2016, , 255-272.		0
1733	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.	2.3	11
1734	Analysis of liver and gill miRNAs of <i>Larimichthys crocea</i> against <i>Cryptocaryon irritans</i> challenge. <i>Fish and Shellfish Immunology</i> , 2016, 59, 484-491.	3.6	25
1735	Inhibition of miR-21 in glioma cells using catalytic nucleic acids. <i>Scientific Reports</i> , 2016, 6, 24516.	3.3	33

#	ARTICLE	IF	CITATIONS
1736	Virus-derived small RNAs in the penaeid shrimp <i>Fenneropenaeus chinensis</i> during acute infection of the DNA virus WSSV. <i>Scientific Reports</i> , 2016, 6, 28678.	3.3	25
1737	Diverse human extracellular RNAs are widely detected in human plasma. <i>Nature Communications</i> , 2016, 7, 11106.	12.8	170
1738	Transcriptome Analysis on Monocytes from Patients with Neovascular Age-Related Macular Degeneration. <i>Scientific Reports</i> , 2016, 6, 29046.	3.3	32
1739	A survey of the sorghum transcriptome using single-molecule long reads. <i>Nature Communications</i> , 2016, 7, 11706.	12.8	496
1740	Small RNA and degradome profiling reveals miRNA regulation in the seed germination of ancient eudicot <i>Nelumbo nucifera</i> . <i>BMC Genomics</i> , 2016, 17, 684.	2.8	26
1741	A Machine Learning Approach for MicroRNA Precursor Prediction in Retro-transcribing Virus Genomes. <i>Journal of Integrative Bioinformatics</i> , 2016, 13, .	1.5	3
1742	BcCluster: A Bladder Cancer Database at the Molecular Level. <i>Bladder Cancer</i> , 2016, 2, 65-76.	0.4	4
1743	Identifying survival-associated ceRNA clusters in cholangiocarcinoma. <i>Oncology Reports</i> , 2016, 36, 1542-1550.	2.6	12
1744	REGene: a literature-based knowledgebase of animal regeneration that bridge tissue regeneration and cancer. <i>Scientific Reports</i> , 2016, 6, 23167.	3.3	16
1745	Network Consistency Projection for Human miRNA-Disease Associations Inference. <i>Scientific Reports</i> , 2016, 6, 36054.	3.3	89
1746	iMiRNA-SSF: Improving the Identification of MicroRNA Precursors by Combining Negative Sets with Different Distributions. <i>Scientific Reports</i> , 2016, 6, 19062.	3.3	65
1747	Gene-microRNA network module analysis for ovarian cancer. <i>BMC Systems Biology</i> , 2016, 10, 117.	3.0	16
1748	A new system for human microRNA functional evaluation and network. , 2016, , .		0
1749	MiRNATIP: a SOM-based miRNA-target interactions predictor. <i>BMC Bioinformatics</i> , 2016, 17, 321.	2.6	13
1750	A comprehensive view of the web-resources related to sericulture. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw086.	3.0	3
1751	Global investigation of the co-evolution of <i>MIRNA</i> genes and microRNA targets during soybean domestication. <i>Plant Journal</i> , 2016, 85, 396-409.	5.7	36
1752	Association of Circulating MicroRNA-124-3p Levels With Outcomes After Out-of-Hospital Cardiac Arrest. <i>JAMA Cardiology</i> , 2016, 1, 305.	6.1	50
1753	Biogenesis and Function of Transfer RNA-Related Fragments (tRFs). <i>Trends in Biochemical Sciences</i> , 2016, 41, 679-689.	7.5	371

#	ARTICLE	IF	CITATIONS
1754	Physiological and pathological cardiac hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 97, 245-262.	1.9	700
1755	The Role of microRNAs in the Repeated Parallel Diversification of Lineages of Midas Cichlid Fish from Nicaragua. <i>Genome Biology and Evolution</i> , 2016, 8, 1543-1555.	2.5	35
1756	miRNet - dissecting miRNA-target interactions and functional associations through network-based visual analysis. <i>Nucleic Acids Research</i> , 2016, 44, W135-W141.	14.5	371
1757	Genetic heterogeneity in autism: From single gene to a pathway perspective. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 442-453.	6.1	46
1758	Identification of microRNAs, phasiRNAs and Their Targets in Pineapple. <i>Tropical Plant Biology</i> , 2016, 9, 176-186.	1.9	32
1759	Association of a let-7 miRNA binding region of <i>TGFBR1</i> with hereditary mismatch repair proficient colorectal cancer (MSS HNPCC). <i>Carcinogenesis</i> , 2016, 37, 751-758.	2.8	16
1760	microRNAs in the Same Clusters Evolve to Coordinately Regulate Functionally Related Genes. <i>Molecular Biology and Evolution</i> , 2016, 33, 2232-2247.	8.9	150
1761	Detecting new microRNAs in human osteoarthritic chondrocytes identifies miR-3085 as a human, chondrocyte-selective, microRNA. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 534-543.	1.3	38
1762	miR2118-triggered phased siRNAs are differentially expressed during the panicle development of wild and domesticated African rice species. <i>Rice</i> , 2016, 9, 10.	4.0	30
1763	Analysis of secondary structural elements in human microRNA hairpin precursors. <i>BMC Bioinformatics</i> , 2016, 17, 112.	2.6	38
1764	ChemiRs: a web application for microRNAs and chemicals. <i>BMC Bioinformatics</i> , 2016, 17, 167.	2.6	29
1765	Supporting community annotation and user collaboration in the integrated microbial genomes (IMG) system. <i>BMC Genomics</i> , 2016, 17, 307.	2.8	54
1766	Differential expression of conserved and novel microRNAs during tail regeneration in the lizard <i>Anolis carolinensis</i> . <i>BMC Genomics</i> , 2016, 17, 339.	2.8	33
1767	Integrative meta-analysis identifies microRNA-regulated networks in infantile hemangioma. <i>BMC Medical Genetics</i> , 2016, 17, 4.	2.1	18
1768	Turing Revisited: Decoding the microRNA Messages in Brain Extracellular Vesicles for Early Detection of Neurodevelopmental Disorders. <i>Current Environmental Health Reports</i> , 2016, 3, 188-201.	6.7	25
1769	MINTbase: a framework for the interactive exploration of mitochondrial and nuclear tRNA fragments. <i>Bioinformatics</i> , 2016, 32, 2481-2489.	4.1	89
1770	Network analysis of microRNAs, transcription factors, target genes and host genes in human anaplastic astrocytoma. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 437-444.	1.8	4
1771	Placental microRNA expression in pregnancies complicated by superimposed pre-eclampsia on chronic hypertension. <i>Molecular Medicine Reports</i> , 2016, 14, 22-32.	2.4	52



#	ARTICLE	IF	CITATIONS
1772	iMiRNA-PseDPC: microRNA precursor identification with a pseudo distance-pair composition approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 223-235.	3.5	120
1773	MicroRNA regulation of stem cell differentiation and diseases of the bone and adipose tissue: Perspectives on miRNA biogenesis and cellular transcriptome. <i>Biochimie</i> , 2016, 124, 98-111.	2.6	64
1774	MicroRNAs in CD4 + T cell subsets are markers of disease risk and T cell dysfunction in individuals at risk for type 1 diabetes. <i>Journal of Autoimmunity</i> , 2016, 68, 52-61.	6.5	42
1775	Dicer and microRNA expression in multiple sclerosis and response to interferon therapy. <i>Journal of Neuroimmunology</i> , 2016, 292, 68-78.	2.3	29
1776	A novel variable exonic region and differential expression of LINC00663 non-coding RNA in various cancer cell lines and normal human tissue samples. <i>Tumor Biology</i> , 2016, 37, 8791-8798.	1.8	18
1777	Repeated exposure to neurotoxic levels of chlorpyrifos alters hippocampal expression of neurotrophins and neuropeptides. <i>Toxicology</i> , 2016, 340, 53-62.	4.2	51
1778	Genomic determinants of somatic copy number alterations across human cancers. <i>Human Molecular Genetics</i> , 2016, 25, 1019-1030.	2.9	10
1779	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.	2.1	25
1780	Identification of microRNAs and microRNA targets in <i>Xenopus gastrulae</i> : The role of miR-26 in the regulation of Smad1. <i>Developmental Biology</i> , 2016, 409, 26-38.	2.0	8
1782	Analysis of miRNA expression profiling in mouse spleen affected by acute <i>Toxoplasma gondii</i> infection. <i>Infection, Genetics and Evolution</i> , 2016, 37, 137-142.	2.3	47
1783	Novel regulation and functional interaction of polycistronic miRNAs. <i>Rna</i> , 2016, 22, 129-138.	3.5	47
1784	MicroRNA-424 Predicts a Role for Î²-1,4 Branched Glycosylation in Cell Cycle Progression. <i>Journal of Biological Chemistry</i> , 2016, 291, 1529-1537.	3.4	26
1785	Prediction and validation of association between microRNAs and diseases by multipath methods. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2735-2739.	2.4	43
1786	The Associations of Single Nucleotide Polymorphisms in miR196a2, miR-499, and miR-608 With Breast Cancer Susceptibility. <i>Medicine (United States)</i> , 2016, 95, e2826.	1.0	47
1787	Programming of Plant Leaf Senescence with Temporal and Inter-Organellar Coordination of Transcriptome in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2016, 171, 452-467.	4.8	121
1788	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
1789	Identification of miRNAs and Their Targets in the Liverwort <i>Marchantia polymorpha</i> by Integrating RNA-Seq and Degradome Analyses. <i>Plant and Cell Physiology</i> , 2016, 57, 339-358.	3.1	70
1790	Epigenetics: It's Getting Old. Past Meets Future in Paleoepigenetics. <i>Trends in Ecology and Evolution</i> , 2016, 31, 290-300.	8.7	58

#	ARTICLE	IF	CITATIONS
1791	MicroRNAs: exploring new horizons in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 573-580.	1.3	174
1792	Role of apoptosis-related miRNAs in resveratrol-induced breast cancer cell death. <i>Cell Death and Disease</i> , 2016, 7, e2104-e2104.	6.3	193
1793	The tae-miR408-Mediated Control of <i>TaTOC1</i> Genes Transcription Is Required for the Regulation of Heading Time in Wheat. <i>Plant Physiology</i> , 2016, 170, 1578-1594.	4.8	113
1794	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.	5.5	13
1795	Identification of differentially expressed miRNAs in individual breast cancer patient and application in personalized medicine. <i>Oncogenesis</i> , 2016, 5, e194-e194.	4.9	37
1796	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. <i>Nature Genetics</i> , 2016, 48, 427-437.	21.4	545
1797	The role of microRNAs in cardiac development and regenerative capacity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H528-H541.	3.2	49
1798	Integrative analysis of microRNA and mRNA expression profiles in non-small-cell lung cancer. <i>Cancer Gene Therapy</i> , 2016, 23, 90-97.	4.6	43
1799	Genome-wide analysis of the SPL family transcription factors and their responses to abiotic stresses in maize. <i>Plant Gene</i> , 2016, 6, 1-12.	2.3	57
1800	Prognostic and predictive miRNA biomarkers in bladder, kidney and prostate cancer: Where do we stand in biomarker development?. <i>Journal of Cancer Research and Clinical Oncology</i> , 2016, 142, 1673-1695.	2.5	38
1801	Genetic and epigenetic mechanisms of NASH. <i>Hepatology International</i> , 2016, 10, 394-406.	4.2	46
1802	Essential RNA-Based Technologies and Their Applications in Plant Functional Genomics. <i>Trends in Biotechnology</i> , 2016, 34, 106-123.	9.3	50
1803	Non-coding RNAs as modulators of the cardiac fibroblast phenotype. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 92, 75-81.	1.9	41
1804	SomamiR 2.0: a database of cancer somatic mutations altering microRNA-ceRNA interactions. <i>Nucleic Acids Research</i> , 2016, 44, D1005-D1010.	14.5	115
1805	DIANA-miRGen v3.0: accurate characterization of microRNA promoters and their regulators. <i>Nucleic Acids Research</i> , 2016, 44, D190-D195.	14.5	53
1806	deepBase v2.0: identification, expression, evolution and function of small RNAs, lncRNAs and circular RNAs from deep-sequencing data. <i>Nucleic Acids Research</i> , 2016, 44, D196-D202.	14.5	203
1807	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.	1.3	41
1808	Identification and analysis of miRNAs and their targets in ginger using bioinformatics approach. <i>Gene</i> , 2016, 575, 570-576.	2.2	52

#	ARTICLE	IF	CITATIONS
1809	Unravelling the complexity of microRNA-mediated gene regulation in black pepper ( <i>Piper nigrum</i> L.) using high-throughput small RNA profiling. <i>Plant Cell Reports</i> , 2016, 35, 53-63.	5.6	30
1810	Identification and bioinformatics analysis of microRNAs from the sporophyte and gametophyte of <i>Pyropia haitanensis</i> . <i>Chinese Journal of Oceanology and Limnology</i> , 2016, 34, 451-459.	0.7	0
1811	Decreased MicroRNA-26a expression causes cisplatin resistance in human non-small cell lung cancer. <i>Cancer Biology and Therapy</i> , 2016, 17, 515-525.	3.4	38
1812	Regulatory RNAs and control of epigenetic mechanisms: expectations for cognition and cognitive dysfunction. <i>Epigenomics</i> , 2016, 8, 135-151.	2.1	55
1813	Novel and conserved microRNAs in soybean floral whorls. <i>Gene</i> , 2016, 575, 213-223.	2.2	12
1814	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.	0.9	19
1815	Small RNA profiling reveals deregulated phosphatase and tensin homolog (PTEN)/phosphoinositide 3-kinase (PI3K)/Akt pathway in bronchial smooth muscle cells from asthmatic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 58-67.	2.9	30
1817	Polymorphisms Falling Within Putative miRNA Target Sites in the 3'UTR Region of <i>SIRT2</i> and <i>DRD2</i> Genes Are Correlated With Human Longevity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 586-592.	3.6	41
1818	Compartmentalization of functions and predicted miRNA regulation among contiguous regions of the nematode intestine. <i>RNA Biology</i> , 2017, 14, 1335-1352.	3.1	11
1819	Integrated bioinformatics analysis of miRNA expression in osteosarcoma. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 936-943.	2.8	25
1820	High Class-Imbalance in pre-miRNA Prediction: A Novel Approach Based on deepSOM. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2017, 14, 1316-1326.	3.0	28
1821	Wheat miRNA ancestors: evident by transcriptome analysis of A, B, and D genome donors. <i>Functional and Integrative Genomics</i> , 2017, 17, 171-187.	3.5	55
1822	MicroRNAs and liver disease. <i>Journal of Human Genetics</i> , 2017, 62, 75-80.	2.3	63
1823	The Expression of microRNA-223 and FAM5C in Cerebral Infarction Patients with Diabetes Mellitus. <i>Cardiovascular Toxicology</i> , 2017, 17, 42-48.	2.7	18
1824	Chronic pistachio intake modulates circulating microRNAs related to glucose metabolism and insulin resistance in prediabetic subjects. <i>European Journal of Nutrition</i> , 2017, 56, 2181-2191.	3.9	39
1825	Cryptochrome 2 extensively regulates transcription of the chloroplast genome in tomato. <i>FEBS Open Bio</i> , 2017, 7, 456-471.	2.3	15
1826	MicroRNA expression patterns and signalling pathways in the development and progression of childhood solid tumours. <i>Molecular Cancer</i> , 2017, 16, 15.	19.2	106
1827	Convergent repression of miR156 by sugar and the CDK8 module of Arabidopsis Mediator. <i>Developmental Biology</i> , 2017, 423, 19-23.	2.0	21

#	ARTICLE	IF	CITATIONS
1828	MicroRNA annotation of plant genomes â Do it right or not at all. <i>BioEssays</i> , 2017, 39, 1600113.	2.5	50
1829	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.	2.9	35
1830	TCGA2BED: extracting, extending, integrating, and querying The Cancer Genome Atlas. <i>BMC Bioinformatics</i> , 2017, 18, 6.	2.6	33
1831	Regulation of multidrug resistance by microRNAs in anti-cancer therapy. <i>Acta Pharmaceutica Sinica B</i> , 2017, 7, 38-51.	12.0	159
1832	Unexpected regulation of miRNA abundance during adaptation of early-somite mouse embryos to diabetic pregnancy. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 1013-1018.	2.1	1
1833	Inhibition of fat cell differentiation in 3T3-L1 pre-adipocytes by all-trans retinoic acid: Integrative analysis of transcriptomic and phenotypic data. <i>Biomolecular Detection and Quantification</i> , 2017, 11, 31-44.	7.0	9
1834	Honeysuckle aqueous extract and induced let-7a suppress dengue virus type 2 replication and pathogenesis. <i>Journal of Ethnopharmacology</i> , 2017, 198, 109-121.	4.1	32
1835	The design of rapid MicroRNA detection system. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
1836	MicroRNA-21 contributes to suppress cytokines production by targeting TLR28 in teleost fish. <i>Molecular Immunology</i> , 2017, 83, 107-114.	2.2	41
1837	MicroRNAs in the Pathobiology and Therapy of Atherosclerosis. <i>Canadian Journal of Cardiology</i> , 2017, 33, 313-324.	1.7	134
1838	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.	3.3	125
1839	miR-628-3p regulates osteoblast differentiation by targeting RUNX2: Possible role in atrophic non-union. <i>International Journal of Molecular Medicine</i> , 2017, 39, 279-286.	4.0	38
1840	Role of miRNA and its potential as a novel diagnostic biomarker in drug-induced liver injury. <i>European Journal of Clinical Pharmacology</i> , 2017, 73, 399-407.	1.9	20
1841	The Big Role of Small RNAs in Anxiety and Stress-Related Disorders. <i>Vitamins and Hormones</i> , 2017, 103, 85-129.	1.7	8
1842	Identification and characterization of novel microRNAs for fruit development and quality in hot pepper ( <i>Capsicum annuum</i> L.). <i>Gene</i> , 2017, 608, 66-72.	2.2	58
1843	Functional Screening Identifies Human miRNAs that Modulate Adenovirus Propagation in Prostate Cancer Cells. <i>Human Gene Therapy</i> , 2017, 28, 766-780.	2.7	22
1844	MINTmap: fast and exhaustive profiling of nuclear and mitochondrial tRNA fragments from short RNA-seq data. <i>Scientific Reports</i> , 2017, 7, 41184.	3.3	123
1845	Role of miRNAs in human disease and inborn errors of metabolism. <i>Journal of Inherited Metabolic Disease</i> , 2017, 40, 471-480.	3.6	30

#	ARTICLE	IF	CITATIONS
1846	Phase 2 study of circulating microRNA biomarkers in castration-resistant prostate cancer. <i>British Journal of Cancer</i> , 2017, 116, 1002-1011.	6.4	48
1847	Significant differences of function and expression of microRNAs between ground state and serum-cultured pluripotent stem cells. <i>Journal of Genetics and Genomics</i> , 2017, 44, 179-189.	3.9	12
1848	MicroRNAs in human tongue squamous cell carcinoma: From pathogenesis to therapeutic implications. <i>Oral Oncology</i> , 2017, 67, 124-130.	1.5	57
1849	Inducible microRNA-214 contributes to the suppression of NF- $\kappa$ B-mediated inflammatory response via targeting myd88 gene in fish. <i>Journal of Biological Chemistry</i> , 2017, 292, 5282-5290.	3.4	73
1850	miRNAs in human subcutaneous adipose tissue: Effects of weight loss induced by hypocaloric diet and exercise. <i>Obesity</i> , 2017, 25, 572-580.	3.0	36
1851	Altered expression profiles of microRNA families during de-etiolation of maize and rice leaves. <i>BMC Research Notes</i> , 2017, 10, 108.	1.4	7
1852	Oridonin inhibition and miR-200b-3p/ZEB1 axis in human pancreatic cancer. <i>International Journal of Oncology</i> , 2017, 50, 111-120.	3.3	33
1853	GuideScan software for improved single and paired CRISPR guide RNA design. <i>Nature Biotechnology</i> , 2017, 35, 347-349.	17.5	205
1854	MicroRNAs: effective elements in ear-related diseases and hearing loss. <i>European Archives of Oto-Rhino-Laryngology</i> , 2017, 274, 2373-2380.	1.6	34
1855	miRNAs associated with immune response in teleost fish. <i>Developmental and Comparative Immunology</i> , 2017, 75, 77-85.	2.3	119
1857	Small non coding RNAs in adipocyte biology and obesity. <i>Molecular and Cellular Endocrinology</i> , 2017, 456, 87-94.	3.2	25
1858	Differential expression of microRNAs during fiber development between fuzzless-lintless mutant and its wild-type allotetraploid cotton. <i>Scientific Reports</i> , 2017, 7, 3.	3.3	88
1859	Small non-coding RNA expression from anterior cingulate cortex in schizophrenia shows sex specific regulation. <i>Schizophrenia Research</i> , 2017, 183, 82-87.	2.0	17
1860	Gremlin Language for Querying the BiographDB Integrated Biological Database. <i>Lecture Notes in Computer Science</i> , 2017, , 303-313.	1.3	2
1861	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.	2.5	26
1862	Genome-wide identification and characterization of microRNAs and target prediction by computational approaches in common carp. <i>Gene Reports</i> , 2017, 8, 30-36.	0.8	4
1863	Identification of active miRNA promoters from nuclear run-on RNA sequencing. <i>Nucleic Acids Research</i> , 2017, 45, e121-e121.	14.5	32
1864	Comparative transcriptomics in human and mouse. <i>Nature Reviews Genetics</i> , 2017, 18, 425-440.	16.3	168

#	ARTICLE	IF	CITATIONS
1865	Recent advances in understanding the role of miRNAs in exosomes and their therapeutic potential. Journal of Integrative Agriculture, 2017, 16, 753-761.	3.5	6
1866	Predicting Functional MicroRNA-mRNA Interactions. Methods in Molecular Biology, 2017, 1580, 117-126.	0.9	13
1867	A novel computational model based on super-disease and miRNA for potential miRNA-disease association prediction. Molecular BioSystems, 2017, 13, 1202-1212.	2.9	47
1868	Identification of microRNA precursors using reduced and hybrid features. Molecular BioSystems, 2017, 13, 1640-1645.	2.9	8
1869	Identification and comparative analysis of the pearl oyster Pinctada fucata hemocytes microRNAs in response to Vibrio alginolyticus infection. Genes and Genomics, 2017, 39, 1069-1081.	1.4	4
1871	Transcriptome Profiling of Wheat Inflorescence Development from Spikelet Initiation to Floral Patterning Identified Stage-Specific Regulatory Genes. Plant Physiology, 2017, 174, 1779-1794.	4.8	121
1872	From Genes to Networks: Characterizing Gene-Regulatory Interactions in Plants. Methods in Molecular Biology, 2017, 1629, 1-11.	0.9	2
1873	Gene and Cell Doping: The New Frontier - Beyond Myth or Reality. Medicine and Sport Science, 2017, 62, 91-106.	1.4	15
1874	MicroRNA-204 suppressed proliferation and motility capacity of human hepatocellular carcinoma via directly targeting zinc finger E-box binding homeobox 2. Oncology Letters, 2017, 13, 3823-3830.	1.8	8
1875	MicroRNAs 146a/b-5 and 425-3p and 24-3p are markers of antidepressant response and regulate MAPK/Wnt-system genes. Nature Communications, 2017, 8, 15497.	12.8	144
1876	Identification of the conserved and novel microRNAs by deep sequencing and prediction of their targets in Topmouth culter. Gene, 2017, 626, 298-304.	2.2	11
1877	Circulating microRNA-214 and -126 as potential biomarkers for canine neoplastic disease. Scientific Reports, 2017, 7, 2301.	3.3	35
1878	Phylogenomics. , 2017, , .		47
1879	Network of microRNA, transcription factors, target genes and host genes in human mesothelioma. Experimental and Therapeutic Medicine, 2017, 13, 3039-3046.	1.8	6
1880	A sketch of known and novel MYCN-associated miRNA networks in neuroblastoma. Oncology Reports, 2017, 38, 3-20.	2.6	24
1881	Therapeutic miRNA and siRNA: Moving from Bench to Clinic as Next Generation Medicine. Molecular Therapy - Nucleic Acids, 2017, 8, 132-143.	5.1	600
1882	Visualization and Analysis of MicroRNAs within KEGG Pathways using VANESA. Journal of Integrative Bioinformatics, 2017, 14, .	1.5	11
1883	MicroRNAs Associated with Caste Determination and Differentiation in a Primitively Eusocial Insect. Scientific Reports, 2017, 7, 45674.	3.3	32

#	ARTICLE	IF	CITATIONS
1884	A compilation of Web-based research tools for miRNA analysis. Briefings in Functional Genomics, 2017, 16, 249-273.	2.7	32
1885	miRmine: a database of human miRNA expression profiles. Bioinformatics, 2017, 33, 1554-1560.	4.1	164
1886	Roles of MIWI, MILI and PLD6 in small RNA regulation in mouse growing oocytes. Nucleic Acids Research, 2017, 45, gkx027.	14.5	46
1887	Association between hypoxic volume and underlying hypoxia-induced gene expression in oropharyngeal squamous cell carcinoma. British Journal of Cancer, 2017, 116, 1057-1064.	6.4	20
1888	The miRNAome of Catharanthus roseus: identification, expression analysis, and potential roles of microRNAs in regulation of terpenoid indole alkaloid biosynthesis. Scientific Reports, 2017, 7, 43027.	3.3	39
1889	MicroRNA-4739 regulates osteogenic and adipocytic differentiation of immortalized human bone marrow stromal cells via targeting LRP3. Stem Cell Research, 2017, 20, 94-104.	0.7	37
1891	The role of miR-2â¼13â¼471 cluster in resistance to deltamethrin in Culex pipiens pallens. Insect Biochemistry and Molecular Biology, 2017, 84, 15-22.	2.7	45
1892	In Silico Prediction of RNA Secondary Structure. Methods in Molecular Biology, 2017, 1543, 145-168.	0.9	7
1893	GEAR: A database of Genomic Elements Associated with drug Resistance. Scientific Reports, 2017, 7, 44085.	3.3	21
1894	MicroRNA categorization using sequence motifs and k-mers. BMC Bioinformatics, 2017, 18, 170.	2.6	25
1895	The Caligus rogercresseyi miRNome: Discovery and transcriptome profiling during the sea lice ontogeny. Agri Gene, 2017, 4, 8-22.	1.9	12
1896	Role of MicroRNA in the Lung's Innate Immune Response. Journal of Innate Immunity, 2017, 9, 243-249.	3.8	13
1897	microRNAs and Angiogenesis. , 2017, , 69-84.		2
1898	Associations of <sc>microRNA</sc> single nucleotide polymorphisms and disease risk and pathophysiology. Clinical Genetics, 2017, 92, 235-242.	2.0	17
1899	Viral MicroRNAs Identified in Human Dental Pulp. Journal of Endodontics, 2017, 43, 84-89.	3.1	33
1900	miRandb: a resource of online services for miRNA research. Briefings in Bioinformatics, 2018, 19, bbw109.	6.5	19
1901	Modulation of microRNA-mRNA Target Pairs by Human Papillomavirus 16 Oncoproteins. MBio, 2017, 8, .	4.1	56
1902	Drosophila miR-956 suppression modulates Ectoderm-expressed 4 and inhibits viral replication. Virology, 2017, 502, 20-27.	2.4	27



#	ARTICLE	IF	CITATIONS
1903	Long-term exposure of MCF-7 breast cancer cells to ethanol stimulates oncogenic features. International Journal of Oncology, 2017, 50, 49-65.	3.3	17
1904	miR-125a-5p upregulation suppresses the proliferation and induces the cell apoptosis of lung adenocarcinoma by targeting NEDD9. Oncology Reports, 2017, 38, 1790-1796.	2.6	18
1905	HAMDA: Hybrid Approach for MiRNA-Disease Association prediction. Journal of Biomedical Informatics, 2017, 76, 50-58.	4.3	47
1907	Holistic and Affordable Analyses of MicroRNA Expression Profiles Using Tagged cDNA Libraries and a Multiplex Sequencing Strategy. Methods in Molecular Biology, 2017, 1654, 179-196.	0.9	4
1908	A Problem-Driven Approach for Building a Bioinformatics GraphDB. Lecture Notes in Computer Science, 2017, , 134-144.	1.3	0
1909	Human Argonaute3 has slicer activity. Nucleic Acids Research, 2017, 45, 11867-11877.	14.5	86
1910	Target-initiated labeling for the dual-amplified detection of multiple microRNAs. Analytica Chimica Acta, 2017, 992, 76-84.	5.4	12
1911	NEAT1 scaffolds RNA-binding proteins and the Microprocessor to globally enhance pri-miRNA processing. Nature Structural and Molecular Biology, 2017, 24, 816-824.	8.2	165
1912	Neurotransmitter Switching Regulated by miRNAs Controls Changes in Social Preference. Neuron, 2017, 95, 1319-1333.e5.	8.1	51
1913	RNA Sequencing and Co-expressed Long Non-coding RNA in Modern and Wild Wheats. Scientific Reports, 2017, 7, 10670.	3.3	64
1914	Functional analysis of a novel, thyroglobulin-embedded microRNA gene deregulated in papillary thyroid carcinoma. Scientific Reports, 2017, 7, 9942.	3.3	9
1915	The role of the miR-148/152 family in physiology and disease. European Journal of Immunology, 2017, 47, 2026-2038.	2.9	87
1916	Genome reconstruction in Cynara cardunculus taxa gains access to chromosome-scale DNA variation. Scientific Reports, 2017, 7, 5617.	3.3	30
1917	miRSCRP: a pipeline for automated analyses of small RNA in model and nonmodel plants. FEBS Letters, 2017, 591, 2261-2268.	2.8	9
1918	Regulation of fatty acid and flavonoid biosynthesis by miRNAs in Lonicera japonica. RSC Advances, 2017, 7, 35426-35437.	3.6	23
1919	miR-199a-3p is involved in the pathogenesis and progression of diabetic neuropathy through downregulation of SerpinE2. Molecular Medicine Reports, 2017, 16, 2417-2424.	2.4	43
1920	Profiling of cellular microRNA responses during the early stages of KSHV infection. Archives of Virology, 2017, 162, 3293-3303.	2.1	10
1921	Lirex: A Package for Identification of Long Inverted Repeats in Genomes. Genomics, Proteomics and Bioinformatics, 2017, 15, 141-146.	6.9	4

#	ARTICLE	IF	CITATIONS
1922	Modulation of Atlantic salmon miRNome response to sea louse infestation. <i>Developmental and Comparative Immunology</i> , 2017, 76, 380-391.	2.3	25
1923	Rare Genome-Wide Copy Number Variation and Expression of Schizophrenia in 22q11.2 Deletion Syndrome. <i>American Journal of Psychiatry</i> , 2017, 174, 1054-1063.	7.2	77
1924	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, .	1.5	2
1925	Bias in recent miRBase annotations potentially associated with RNA quality issues. <i>Scientific Reports</i> , 2017, 7, 5162.	3.3	46
1926	Integrated regulatory network reveals the early salt tolerance mechanism of <i>Populus euphratica</i> . <i>Scientific Reports</i> , 2017, 7, 6769.	3.3	16
1927	Improved low-rank matrix recovery method for predicting miRNA-disease association. <i>Scientific Reports</i> , 2017, 7, 6007.	3.3	21
1928	MicroRNA-based Regulation of Picornavirus Tropism. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	4
1929	The role of miRNA-200a in the early stage of the mandibular development. <i>Orthodontic Waves</i> , 2017, 76, 197-206.	0.2	1
1930	The role of epigenetics in lysosomal storage disorders: Uncharted territory. <i>Molecular Genetics and Metabolism</i> , 2017, 122, 10-18.	1.1	41
1931	Immunomodulation: A definitive role of microRNA-142. <i>Developmental and Comparative Immunology</i> , 2017, 77, 150-156.	2.3	37
1932	Genome-wide Identification and Characterization of Natural Antisense Transcripts by Strand-specific RNA Sequencing in <i>Ganoderma lucidum</i> . <i>Scientific Reports</i> , 2017, 7, 5711.	3.3	17
1933	MicroRNA-149 targets specificity protein 1 to suppress human tongue squamous cell carcinoma cell proliferation and motility. <i>Oncology Letters</i> , 2017, 13, 851-856.	1.8	7
1934	RNAstructuromeDB: A genome-wide database for RNA structural inference. <i>Scientific Reports</i> , 2017, 7, 17269.	3.3	34
1935	Integrated mRNA and microRNA transcriptome analysis reveals miRNA regulation in response to PVA in potato. <i>Scientific Reports</i> , 2017, 7, 16925.	3.3	23
1936	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.	3.4	8
1937	A deep ensemble model to predict miRNA-disease association. <i>Scientific Reports</i> , 2017, 7, 14482.	3.3	63
1938	Bioinformatic identification and expression analysis of new microRNAs from wheat ( <i>Triticum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 102	2.1	14
1939	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.	0.2	33

#	ARTICLE	IF	CITATIONS
1940	Comparative miRomics of Salt-Tolerant and Salt-Sensitive Rice. <i>Journal of Integrative Bioinformatics</i> , 2017, 14, .	1.5	31
1941	MicroRNA-196 Regulates HOX Gene Expression in Human Gluteal Adipose Tissue. <i>Obesity</i> , 2017, 25, 1375-1383.	3.0	21
1942	Molecular characterization and expression analysis of the SPL gene family with BpSPL9 transgenic lines found to confer tolerance to abiotic stress in <i>Betula platyphylla</i> Suk.. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 130, 469-481.	2.3	43
1943	Mechanistic roles of microRNAs in hepatocarcinogenesis: A study of thioacetamide with multiple doses and time-points of rats. <i>Scientific Reports</i> , 2017, 7, 3054.	3.3	14
1944	Genome-wide survey of miRNAs and their evolutionary history in the ascidian, <i>Halocynthia roretzi</i> . <i>BMC Genomics</i> , 2017, 18, 314.	2.8	13
1945	MiRNA Biogenesis and Regulation of Diseases: An Overview. <i>Methods in Molecular Biology</i> , 2017, 1509, 1-10.	0.9	505
1946	Practical Bioinformatics Analysis of MiRNA Data Using Online Tools. <i>Methods in Molecular Biology</i> , 2017, 1509, 195-208.	0.9	4
1947	Identification of miRNA from <i>Bouteloua gracilis</i> , a drought tolerant grass, by deep sequencing and their in silico analysis. <i>Computational Biology and Chemistry</i> , 2017, 66, 26-35.	2.3	4
1949	Localization of miRNAs by In Situ Hybridization in Plants Using Conventional Oligonucleotide Probes. <i>Methods in Molecular Biology</i> , 2017, 1456, 51-62.	0.9	2
1951	Increasing the miR-126 expression in the peripheral blood of patients with diabetic foot ulcers treated with maggot debridement therapy. <i>Journal of Diabetes and Its Complications</i> , 2017, 31, 241-244.	2.3	27
1952	MicroRNA-125b as a new potential biomarker on diagnosis of renal ischemia-reperfusion injury. <i>Journal of Surgical Research</i> , 2017, 207, 241-248.	1.6	16
1953	Identification and characterization of miRNAs transcriptome in the South African abalone, <i>Haliotis midae</i> . <i>Marine Genomics</i> , 2017, 31, 9-12.	1.1	7
1954	Regulatory network analysis of microRNAs and genes in imatinib-resistant chronic myeloid leukemia. <i>Functional and Integrative Genomics</i> , 2017, 17, 263-277.	3.5	7
1956	MicroRNAs: potential target for genome editing in plants for traits improvement. <i>Indian Journal of Plant Physiology</i> , 2017, 22, 530-548.	0.8	13
1957	miRNA-36 inhibits KSHV, EBV, HSV-2 infection of cells via stifling expression of interferon induced transmembrane protein 1 (IFITM1). <i>Scientific Reports</i> , 2017, 7, 17972.	3.3	21
1958	Preparation of highly multiplexed small RNA sequencing libraries. <i>BioTechniques</i> , 2017, 63, 57-64.	1.8	8
1959	Unraveling multifaceted contributions of small regulatory RNAs to photomorphogenic development in <i>Arabidopsis</i> . <i>BMC Genomics</i> , 2017, 18, 559.	2.8	19
1960	Extreme learning machine prediction under high class imbalance in bioinformatics. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
1961	Categorization of species based on their microRNAs employing sequence motifs, information-theoretic sequence feature extraction, and k-mers. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.7	11
1962	Rapid Evolution of microRNA Loci in the Brown Algae. Genome Biology and Evolution, 2017, 9, 740-749.	2.5	22
1963	Prognostic role of microRNAs in human gastrointestinal cancer: A systematic review and meta-analysis. Oncotarget, 2017, 8, 46611-46623.	1.8	76
1964	microRNAs in Drosophila regulate cell fate by repressing single mRNA targets. International Journal of Developmental Biology, 2017, 61, 165-170.	0.6	4
1965	In Silico Analysis of Small RNAs Suggest Roles for Novel and Conserved miRNAs in the Formation of Epigenetic Memory in Somatic Embryos of Norway Spruce. Frontiers in Physiology, 2017, 8, 674.	2.8	46
1966	A Comprehensive Prescription for Plant miRNA Identification. Frontiers in Plant Science, 2016, 7, 2058.	3.6	46
1967	De novo Transcriptome Profiling of Flowers, Flower Pedicels and Pods of Lupinus luteus (Yellow) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50 8, 641.	3.6	32
1968	Identification, Characterization, and Functional Validation of Drought-responsive MicroRNAs in Subtropical Maize Inbreds. Frontiers in Plant Science, 2017, 8, 941.	3.6	74
1969	Allelic Interactions among Pto-MIR475b and Its Four Target Genes Potentially Affect Growth and Wood Properties in Populus. Frontiers in Plant Science, 2017, 8, 1055.	3.6	9
1970	Assembly and Annotation of Transcriptome Provided Evidence of miRNA Mobility between Wheat and Wheat Stem Sawfly. Frontiers in Plant Science, 2017, 8, 1653.	3.6	18
1971	Potential roles of microRNAs and ROS in colorectal cancer: diagnostic biomarkers and therapeutic targets. Oncotarget, 2017, 8, 17328-17346.	1.8	50
1972	Biological Involvement of MicroRNAs in Proliferative Vitreoretinopathy. Translational Vision Science and Technology, 2017, 6, 5.	2.2	26
1973	Genome-Wide Development of MicroRNA-Based SSR Markers in Medicago truncatula with Their Transferability Analysis and Utilization in Related Legume Species. International Journal of Molecular Sciences, 2017, 18, 2440.	4.1	31
1974	Polyphenolic Nutrients in Cancer Chemoprevention and Metastasis: Role of the Epithelial-to-Mesenchymal (EMT) Pathway. Nutrients, 2017, 9, 911.	4.1	80
1975	Essentials of miRNA-dependent Control of mRNA Translation and decay, miRNA Targeting Principles, and Methods for Target Identification. , 2017, , 19-38.		1
1976	Comparative Analysis of Cotton Small RNAs and Their Target Genes in Response to Salt Stress. Genes, 2017, 8, 369.	2.4	21
1977	A Tiny RNA that Packs a Big Punch: The Critical Role of a Viral miR-155 Ortholog in Lymphomagenesis in Marek's Disease. Frontiers in Microbiology, 2017, 8, 1169.	3.5	20
1978	miR319, miR390, and miR393 Are Involved in Aluminum Response in Flax (<i>Linum usitatissimum</i> L.). BioMed Research International, 2017, 2017, 1-6.	1.9	26

#	ARTICLE	IF	CITATIONS
1979	MicroRNAs in DNA Damage Response, Carcinogenesis, and Chemoresistance. International Review of Cell and Molecular Biology, 2017, 333, 1-49.	3.2	18
1980	Comparative analysis of miRNA expression during the development of insects of different metamorphosis modes and germ-band types. BMC Genomics, 2017, 18, 774.	2.8	30
1981	Cancer-derived Circulating MicroRNAs Promote Tumor Angiogenesis by Entering Dendritic Cells to Degrade Highly Complementary MicroRNAs. Theranostics, 2017, 7, 1407-1421.	10.0	27
1982	SNPs, linkage disequilibrium, and chronic mountain sickness in Tibetan Chinese. Hypoxia (Auckland, N Z) Tj ETQq1 1 0.784314 rgBT /Qv	1.9	9
1983	De novo characterization of microRNAs in oriental fruit moth Grapholita molesta and selection of reference genes for normalization of microRNA expression. PLoS ONE, 2017, 12, e0171120.	2.5	16
1984	Food restriction increase the expression of mTORC1 complex genes in the skeletal muscle of juvenile pacu (Piaractus mesopotamicus). PLoS ONE, 2017, 12, e0177679.	2.5	33
1985	Construction and analyses of the microRNA-target gene differential regulatory network in thyroid carcinoma. PLoS ONE, 2017, 12, e0178331.	2.5	11
1986	snoRNA and piRNA expression levels modified by tobacco use in women with lung adenocarcinoma. PLoS ONE, 2017, 12, e0183410.	2.5	26
1987	Scalable Design of Paired CRISPR Guide RNAs for Genomic Deletion. PLoS Computational Biology, 2017, 13, e1005341.	3.2	64
1988	MiR-277/4989 regulate transcriptional landscape during juvenile to adult transition in the parasitic helminth Schistosoma mansoni. PLoS Neglected Tropical Diseases, 2017, 11, e0005559.	3.0	45
1989	A miRNA catalogue and ncRNA annotation of the short-living fish Nothobranchius furzeri. BMC Genomics, 2017, 18, 693.	2.8	18
1990	MicroRNA expression patterns in canine mammary cancer show significant differences between metastatic and non-metastatic tumours. BMC Cancer, 2017, 17, 728.	2.6	34
1991	Genomic innovations, transcriptional plasticity and gene loss underlying the evolution and divergence of two highly polyphagous and invasive Helicoverpa pest species. BMC Biology, 2017, 15, 63.	3.8	238
1992	Tough decoy targeting of predominant let-7 miRNA species in adult human hematopoietic cells. Journal of Translational Medicine, 2017, 15, 169.	4.4	16
1993	Novel circulating microRNAs expression profile in colon cancer: a pilot study. European Journal of Medical Research, 2017, 22, 51.	2.2	58
1994	A step-by-step microRNA guide to cancer development and metastasis. Cellular Oncology (Dordrecht), 2017, 40, 303-339.	4.4	129
1995	Identification of genome-wide non-canonical spliced regions and analysis of biological functions for spliced sequences using Read-Split-Fly. BMC Bioinformatics, 2017, 18, 382.	2.6	5
1996	Immunometabolism in Obesity. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
1997	AdaBoost Algorithm with Random Forests for Plant and Animal Precursor MicroRNAs Classification. , 2017, , .		0
1998	MicroRNA-382 inhibits cell proliferation and invasion of retinoblastoma by targeting BDNF-mediated PI3K/AKT signalling pathway. Molecular Medicine Reports, 2017, 16, 6428-6436.	2.4	21
1999	MicroRNA-326 inhibits melanoma progression by targeting KRAS and suppressing the AKT and ERK signalling pathways. Oncology Reports, 2018, 39, 401-410.	2.6	26
2000	LncNetP, a systematical lncRNA prioritization approach based on ceRNA and disease phenotype association assumptions. Oncotarget, 2017, 8, 114603-114612.	1.8	21
2001	MicroRNA exhibit altered expression in the inflamed colonic mucosa of ulcerative colitis patients. World Journal of Gastroenterology, 2017, 23, 5324.	3.3	46
2002	Defining age- and lactocrine-sensitive elements of the neonatal porcine uterine microRNAâ€“mRNA interactomeâ€“,â€“. Biology of Reproduction, 2017, 96, 327-340.	2.7	9
2003	Identification of common oncogenic and early developmental pathways in the ovarian carcinomas controlling by distinct prognostically significant microRNA subsets. BMC Genomics, 2017, 18, 692.	2.8	18
2004	High Throughput Sequencing Advances and Future Challenges. Journal of Plant Biochemistry & Physiology, 2017, 05, .	0.5	6
2005	The Serum MicroRNA Expression Modified the Genic Toxicity Caused by Aflatoxin B1. , 0, , .		2
2006	New insights into epigenetic modifications in heart failure. Frontiers in Bioscience - Landmark, 2017, 22, 230-247.	3.0	8
2007	Big Mechanisms of Information Flow in Cellular Systems in Response to Environmental Stress Signals via System Identification and Data Mining. , 2017, , 155-248.		0
2008	Regulatory network involving miRNAs and genes in serous ovarian carcinoma. Oncology Letters, 2017, 14, 6259-6268.	1.8	3
2009	Treating cancer with microRNA replacement therapy: A literature review. Journal of Cellular Physiology, 2018, 233, 5574-5588.	4.1	250
2010	Functional Redundancy of DICER Cofactors TARBP2 and PRKRA During Murine Embryogenesis Does Not Involve miRNA Biogenesis. Genetics, 2018, 208, 1513-1522.	2.9	12
2011	Global Similarity Method Based on a Two-tier Random Walk for the Prediction of microRNAâ€“Disease Association. Scientific Reports, 2018, 8, 6481.	3.3	31
2012	MicroRNA-216a Inhibits NF-Î²B-Mediated Inflammatory Cytokine Production in Teleost Fish by Modulating p65. Infection and Immunity, 2018, 86, .	2.2	60
2013	ELLPMDA: Ensemble learning and link prediction for miRNA-disease association prediction. RNA Biology, 2018, 15, 1-12.	3.1	58
2014	Downregulation of MicroRNA eca-mir-128 in Seminal Exosomes and Enhanced Expression of CXCL16 in the Stallion Reproductive Tract Are Associated with Long-Term Persistence of Equine Arteritis Virus. Journal of Virology, 2018, 92, .	3.4	14

#	ARTICLE	IF	CITATIONS
2015	Identification of cancer-related potential biomarkers based on lnc<scp>RNA</scp>â€‘pseudogeneâ€‘<scp>mRNA</scp> competitive networks. FEBS Letters, 2018, 592, 973-986.	2.8	9
2016	Epigenetic changes and their implications in autoimmune hepatitis. European Journal of Clinical Investigation, 2018, 48, e12899.	3.4	30
2017	Cancer Systems Biology. Methods in Molecular Biology, 2018, , .	0.9	8
2018	MicroRNA Networks in Breast Cancer Cells. Methods in Molecular Biology, 2018, 1711, 55-81.	0.9	15
2019	RNase H2-Dependent Polymerase Chain Reaction and Elimination of Confounders in Sample Collection, Storage, and Analysis Strengthen Evidence That microRNAs in Bovine Milk Are Bioavailable in Humans. Journal of Nutrition, 2018, 148, 153-159.	2.9	87
2020	PTRE-seq reveals mechanism and interactions of RNA binding proteins and miRNAs. Nature Communications, 2018, 9, 301.	12.8	33
2021	Mirna biogenesis pathway is differentially regulated during adipose derived stromal/stem cell differentiation. Adipocyte, 2018, 7, 1-10.	2.8	10
2022	Tissue and serum microRNA profile of oral squamous cell carcinoma patients. Scientific Reports, 2018, 8, 675.	3.3	74
2023	Non-coding RNAs and plant male sterility: current knowledge and future prospects. Plant Cell Reports, 2018, 37, 177-191.	5.6	46
2024	The search of CAR, AhR, ESRs binding sites in promoters of intronic and intergenic microRNAs. Journal of Bioinformatics and Computational Biology, 2018, 16, 1750029.	0.8	11
2025	Comprehensive analysis of blood cells and plasma identifies tissue-specific miRNAs as potential novel circulating biomarkers in cattle. BMC Genomics, 2018, 19, 243.	2.8	23
2026	Analysis of Circulating microRNAs and Their Post-Transcriptional Modifications in Cancer Serum by On-Line Solid-Phase Extractionâ€‘Capillary Electrophoresisâ€‘Mass Spectrometry. Analytical Chemistry, 2018, 90, 6618-6625.	6.5	27
2027	Identification of cold stress responsive microRNAs in two winter turnip rape (Brassica rapa L.) by high throughput sequencing. BMC Plant Biology, 2018, 18, 52.	3.6	90
2028	psRNATarget: a plant small RNA target analysis server (2017 release). Nucleic Acids Research, 2018, 46, W49-W54.	14.5	942
2029	A large-scale multiomics analysis of wheat stem solidness and the wheat stem sawfly feeding response, and syntenic associations in barley, Brachypodium, and rice. Functional and Integrative Genomics, 2018, 18, 241-259.	3.5	20
2030	Whole-Exome Sequencing Identifies Novel Variants that Co-segregates with Autosomal Recessive Retinal Degeneration in a Pakistani Pedigree. Advances in Experimental Medicine and Biology, 2018, 1074, 219-228.	1.6	1
2031	MicroRNAs in hereditary and sporadic premature aging syndromes and other laminopathies. Aging Cell, 2018, 17, e12766.	6.7	13
2032	Effects of miRâ€‘138â€‘5p and miRâ€‘204â€‘5p on the migration and proliferation of gastric cancer cells by targeting EGFR. Oncology Reports, 2018, 39, 2624-2634.	2.6	19



#	ARTICLE	IF	CITATIONS
2033	Identification of substrates of the small RNA methyltransferase Hen1 in mouse spermatogonial stem cells and analysis of its methyl-transfer domain. <i>Journal of Biological Chemistry</i> , 2018, 293, 9981-9994.	3.4	13
2034	Viral Strategies for Targeting the Central and Peripheral Nervous Systems. <i>Annual Review of Neuroscience</i> , 2018, 41, 323-348.	10.7	127
2035	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.	4.0	14
2036	MicroRNA expression data analysis to identify key miRNAs associated with Alzheimer's disease. <i>Journal of Gene Medicine</i> , 2018, 20, e3014.	2.8	63
2037	Systematic Discovery of RNA Binding Proteins that Regulate MicroRNA Levels. <i>Molecular Cell</i> , 2018, 69, 1005-1016.e7.	9.7	107
2038	Target-enrichment sequencing for detailed characterization of small RNAs. <i>Nature Protocols</i> , 2018, 13, 768-786.	12.0	9
2039	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.	3.1	46
2040	lIkMTA: Inter and Intra Kingdom miRNA-Target Analyzer. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2018, 10, 538-543.	3.6	9
2041	Emerging role of miRNA in attention deficit hyperactivity disorder: a systematic review. <i>ADHD Attention Deficit and Hyperactivity Disorders</i> , 2018, 10, 49-63.	1.7	39
2042	Genome-Wide DNA Methylation Patterns Analysis of Noncoding RNAs in Temporal Lobe Epilepsy Patients. <i>Molecular Neurobiology</i> , 2018, 55, 793-803.	4.0	36
2043	Dissecting microRNA dysregulation in age-related macular degeneration: new targets for eye gene therapy. <i>Acta Ophthalmologica</i> , 2018, 96, 9-23.	1.1	37
2044	BioGrakn: A Knowledge Graph-Based Semantic Database for Biomedical Sciences. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 299-309.	0.6	13
2045	Identification of E6/E7-Dependent MicroRNAs in HPV-Positive Cancer Cells. <i>Methods in Molecular Biology</i> , 2018, 1699, 119-134.	0.9	12
2046	Posttranscriptional control of airway inflammation. <i>Wiley Interdisciplinary Reviews RNA</i> , 2018, 9, e1455.	6.4	10
2047	TDP-43 regulates cancer-associated microRNAs. <i>Protein and Cell</i> , 2018, 9, 848-866.	11.0	35
2048	Modulation of Human Subcutaneous Adipose Tissue MicroRNA Profile Associated with Changes in Adiposity-Related Parameters. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700594.	3.3	10
2049	Ectopic overexpression of MCPIP1 impairs adipogenesis by modulating microRNAs. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 186-195.	4.1	17
2050	The logistics of afferent cortical specification in mice and men. <i>Seminars in Cell and Developmental Biology</i> , 2018, 76, 112-119.	5.0	9

#	ARTICLE	IF	CITATIONS
2051	DRMDA: deep representationsâ€‘based miRNAâ€‘disease association prediction. Journal of Cellular and Molecular Medicine, 2018, 22, 472-485.	3.6	75
2052	MicroRNAs as Clinical Biomarkers and Therapeutic Tools in Perioperative Medicine. Anesthesia and Analgesia, 2018, 126, 670-681.	2.2	65
2053	Candidate diagnostic miRNAs that can detect cancer in prostate biopsy. Prostate, 2018, 78, 178-185.	2.3	24
2054	Small RNA differential expression and regulation in TuxpeÃ±o maize embryogenic callus induction and establishment. Plant Physiology and Biochemistry, 2018, 122, 78-89.	5.8	22
2055	De novo transcriptome analysis of Ammopiptanthus nanus and its comparative analysis with A. mongolicus. Trees - Structure and Function, 2018, 32, 287-300.	1.9	15
2056	Sprint Interval Training Decreases Circulating MicroRNAs Important for Muscle Development. International Journal of Sports Medicine, 2018, 39, 67-72.	1.7	13
2057	Prediction of plant-derived xenomiRs from plant miRNA sequences using random forest and one-dimensional convolutional neural network models. BMC Genomics, 2018, 19, 839.	2.8	25
2058	Robust Computational Method for Identification of miRNA-mRNA Modules in Cervical Cancer. , 2018, , .		0
2059	Identification of pre-microRNAs by characterizing their sequence order evolution information and secondary structure graphs. BMC Bioinformatics, 2018, 19, 521.	2.6	8
2060	Genome-wide analysis of lncRNAs in 3'-untranslated regions: CR933609 acts as a decoy to protect the INO80D gene. International Journal of Oncology, 2018, 53, 417-433.	3.3	5
2061	miRBaseConverter: an R/Bioconductor package for converting and retrieving miRNA name, accession, sequence and family information in different versions of miRBase. BMC Bioinformatics, 2018, 19, 514.	2.6	59
2062	Simulated climate warming and mitochondrial haplogroup modulate testicular small non-coding RNA expression in the neotropical pseudoscorpion, Cordylochernes scorpioides. Environmental Epigenetics, 2018, 4, dvy027.	1.8	32
2063	New 3D graphical representation for RNA structure analysis and its application in the pre-miRNA identification of plants. RSC Advances, 2018, 8, 30833-30841.	3.6	6
2064	A novel information diffusion method based on network consistency for identifying disease related microRNAs. RSC Advances, 2018, 8, 36675-36690.	3.6	14
2065	Approaching miRNA Family Classification Through Constructive Neural Networks. , 2018, , .		0
2066	Discovering functional impacts of miRNAs in cancers using a causal deep learning model. BMC Medical Genomics, 2018, 11, 116.	1.5	3
2067	Downregulation of microRNAâ€‘198 suppresses cell proliferation and invasion in retinoblastoma by directly targeting PTEN. Molecular Medicine Reports, 2018, 18, 595-602.	2.4	11
2068	endo-siRBase: A multi-species developmental endo-siRNA repository and searchable database. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
2069	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.	1.5	7
2070	miRNA Mediated Noise Making of 3'UTR Mutations in Cancer. <i>Genes</i> , 2018, 9, 545.	2.4	12
2071	RATEmiRs: the rat atlas of tissue-specific and enriched miRNAs database. <i>BMC Genomics</i> , 2018, 19, 825.	2.8	19
2072	Lung fibroblasts express a miR-19a-19b-20a sub-cluster to suppress TGF- $\beta$ 2-associated fibroblast activation in murine pulmonary fibrosis. <i>Scientific Reports</i> , 2018, 8, 16642.	3.3	22
2073	Characterization of miRNA profiles in the mammary tissue of dairy cattle in response to heat stress. <i>BMC Genomics</i> , 2018, 19, 975.	2.8	49
2074	A heterogeneous label propagation approach to explore the potential associations between miRNA and disease. <i>Journal of Translational Medicine</i> , 2018, 16, 348.	4.4	41
2075	A miRNA Host Response Signature Accurately Discriminates Acute Respiratory Infection Etiologies. <i>Frontiers in Microbiology</i> , 2018, 9, 2957.	3.5	14
2076	MicroRNAs as Potential Serum Biomarkers for Early Detection of Ectopic Pregnancy. <i>Cureus</i> , 2018, 10, e2344.	0.5	16
2077	Let-7a inhibits osteosarcoma cell growth and lung metastasis by targeting Aurora-B. <i>Cancer Management and Research</i> , 2018, Volume 10, 6305-6315.	1.9	10
2078	Interpreting Non-coding Genetic Variation in Multiple Sclerosis Genome-Wide Associated Regions. <i>Frontiers in Genetics</i> , 2018, 9, 647.	2.3	25
2079	Essence Vector-Based Query Modeling for Spoken Document Retrieval. , 2018, , .		1
2080	Integrated microRNA and mRNA analysis in the pathogenic filamentous fungus <i>Trichophyton rubrum</i> . <i>BMC Genomics</i> , 2018, 19, 933.	2.8	32
2081	Integrative functional genomic analysis of human brain development and neuropsychiatric risks. <i>Science</i> , 2018, 362, .	12.6	516
2082	Multiple Sequence Alignments Enhance Boundary Definition of RNA Structures. <i>Genes</i> , 2018, 9, 604.	2.4	2
2083	CircRNA-associated ceRNA network reveals ErbB and Hippo signaling pathways in hypopharyngeal cancer. <i>International Journal of Molecular Medicine</i> , 2018, 43, 127-142.	4.0	15
2085	MicroRNAs, tasiRNAs, phasiRNAs, and Their Potential Functions in Pineapple. <i>Plant Genetics and Genomics: Crops and Models</i> , 2018, , 167-182.	0.3	1
2086	BioGraph: a web application and a graph database for querying and analyzing bioinformatics resources. <i>BMC Systems Biology</i> , 2018, 12, 98.	3.0	28
2087	Multi-Step Regulation of the TLR4 Pathway by the miR-125a~99b~let-7e Cluster. <i>Frontiers in Immunology</i> , 2018, 9, 2037.	4.8	40

#	ARTICLE	IF	CITATIONS
2088	Circular RNAs Act as miRNA Sponges. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1087, 67-79.	1.6	795
2089	Role of miR-223 in the pathophysiology of liver diseases. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-12.	7.7	77
2090	Predicting microRNA-disease associations using bipartite local models and hubness-aware regression. <i>RNA Biology</i> , 2018, 15, 1192-1205.	3.1	32
2091	Expression of the miR-150 tumor suppressor is restored by and synergizes with rapamycin in a human leukemia T-cell line. <i>Leukemia Research</i> , 2018, 74, 1-9.	0.8	9
2092	Characterization and comparative analysis of microRNAs in the rice pest <i>Sogatella furcifera</i> . <i>PLoS ONE</i> , 2018, 13, e0204517.	2.5	8
2093	Uncovering association networks through an eQTL analysis involving human miRNAs and lincRNAs. <i>Scientific Reports</i> , 2018, 8, 15050.	3.3	6
2094	MicroRNA 199a and the eNOS (Endothelial NO Synthase)/NO Pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2278-2280.	2.4	1
2095	Diverse RNA interference strategies in early-branching metazoans. <i>BMC Evolutionary Biology</i> , 2018, 18, 160.	3.2	22
2096	MiR-200b attenuates IL-6 production through IKK $\beta$ and ZEB1 in human gingival fibroblasts. <i>Inflammation Research</i> , 2018, 67, 965-973.	4.0	21
2097	Human MicroRNAs Expression Profiles in Influenza B Virus-Infected Cells based on Illumina MiSeq Platform. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2018, 7, 204-214.	1.2	7
2098	Association of miR-548c-5p, miR-7-5p, miR-210-3p, miR-128-3p with recurrence in systemically untreated breast cancer. <i>Oncotarget</i> , 2018, 9, 9030-9042.	1.8	22
2099	MicroRNA-539 inhibits colorectal cancer progression by directly targeting SOX4. <i>Oncology Letters</i> , 2018, 16, 2693-2700.	1.8	16
2100	Identification and characterization of skin color microRNAs in Koi carp ( <i>Cyprinus carpio</i> L.) by Illumina sequencing. <i>BMC Genomics</i> , 2018, 19, 779.	2.8	27
2101	Human microRNAs preferentially target genes with intermediate levels of expression and its formation by mammalian evolution. <i>PLoS ONE</i> , 2018, 13, e0198142.	2.5	3
2102	Dual-layer transposon repression in heads of <i>Drosophila melanogaster</i> . <i>Rna</i> , 2018, 24, 1749-1760.	3.5	14
2103	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.	1.8	20
2104	Transcriptional fates of human-specific segmental duplications in brain. <i>Genome Research</i> , 2018, 28, 1566-1576.	5.5	54
2105	Functional Characterization of Non-coding RNAs Through Genomic Data Fusion. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1094, 19-28.	1.6	0

#	ARTICLE	IF	CITATIONS
2106	Identification of six key miRNAs associated with breast cancer through screening large-scale microarray data. <i>Oncology Letters</i> , 2018, 16, 4159-4168.	1.8	7
2107	MicroRNAs and Presbycusis. , 2018, 9, 133.		13
2108	A Disease-Associated MicroRNA Cluster Links Inflammatory Pathways and an Altered Composition of Leukocyte Subsets to Noninfectious Uveitis. , 2018, 59, 878.		28
2109	Identifying and Exploiting Potential miRNA-Disease Associations With Neighborhood Regularized Logistic Matrix Factorization. <i>Frontiers in Genetics</i> , 2018, 9, 303.	2.3	10
2110	Micro RNA clusters in maternal plasma are associated with preterm birth and infant outcomes. <i>PLoS ONE</i> , 2018, 13, e0199029.	2.5	28
2111	Microarray analysis of miRNA expression profiles following whole body irradiation in a mouse model. <i>Biomarkers</i> , 2018, 23, 689-703.	1.9	28
2112	miR172 downregulates the translation of cleistogamy 1 in barley. <i>Annals of Botany</i> , 2018, 122, 251-265.	2.9	25
2113	MicroRNAs as potential therapeutics to enhance chemosensitivity in advanced prostate cancer. <i>Scientific Reports</i> , 2018, 8, 7820.	3.3	33
2114	Well-Annotated microRNAomes Do Not Evidence Pervasive miRNA Loss. <i>Genome Biology and Evolution</i> , 2018, 10, 1457-1470.	2.5	41
2115	Assessing the functional association of intronic miRNAs with their host genes. <i>Rna</i> , 2018, 24, 991-1004.	3.5	43
2116	A Multi-Omics Database for Parasitic Nematodes and Trematodes. <i>Methods in Molecular Biology</i> , 2018, 1757, 371-397.	0.9	10
2117	Cancer Noncoding RNA Discovery Through High-Throughput Sequencing. , 2018, , 463-477.		1
2118	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.	1.8	28
2119	Single-Cell Non-coding RNA in Embryonic Development. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1068, 19-32.	1.6	16
2120	miRNA Biogenesis. <i>Methods in Molecular Biology</i> , 2018, , .	0.9	1
2121	High-Quality Overlapping Paired-End Reads for the Detection of A-to-I Editing on Small RNA. <i>Methods in Molecular Biology</i> , 2018, 1823, 167-183.	0.9	8
2123	Predicting miRNA-disease association based on inductive matrix completion. <i>Bioinformatics</i> , 2018, 34, 4256-4265.	4.1	448
2124	MicroRNAs of miR-17-92 cluster increase gene expression by targeting mRNA-destabilization pathways. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 603-612.	1.9	5

#	ARTICLE	IF	CITATIONS
2125	Genome-wide comparative analysis in Solanaceous species reveals evolution of microRNAs targeting defense genes in <i>Capsicum</i> spp.. DNA Research, 2018, 25, 561-575.	3.4	24
2126	StarSeeker: an automated tool for mature duplex microRNA sequence identification based on secondary structure modeling of precursor molecule. Journal of Biological Research, 2018, 25, 11.	2.1	3
2127	GRMDA: Graph Regression for MiRNA-Disease Association Prediction. Frontiers in Physiology, 2018, 9, 92.	2.8	30
2128	Constitutive Expression of miR408 Improves Biomass and Seed Yield in Arabidopsis. Frontiers in Plant Science, 2017, 8, 2114.	3.6	78
2129	Genome-wide identification and profiling of microRNAs in Paulownia tomentosa cambial tissues in response to seasonal changes. Gene, 2018, 677, 32-40.	2.2	3
2130	Involvement of selected cellular miRNAs in the in vitro and in vivo infection of infectious salmon anemia virus (ISAV). Microbial Pathogenesis, 2018, 123, 353-360.	2.9	8
2131	Cancer Diagnosis Through IsomiR Expression with Machine Learning Method. Current Bioinformatics, 2018, 13, 57-63.	1.5	138
2132	Role of microRNAs in aldosterone signaling. Current Opinion in Nephrology and Hypertension, 2018, 27, 390-394.	2.0	16
2133	RNA Structure Elements Conserved between Mouse and 59 Other Vertebrates. Genes, 2018, 9, 392.	2.4	16
2134	Fishing Into the MicroRNA Transcriptome. Frontiers in Genetics, 2018, 9, 88.	2.3	54
2135	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 Leishmania braziliensis. Frontiers in Immunology, 2018, 9, 640.	4.8	25
2136	Blood Serum From Head and Neck Squamous Cell Carcinoma Patients Induces Altered MicroRNA and Target Gene Expression Profile in Treated Cells. Frontiers in Oncology, 2018, 8, 217.	2.8	14
2137	Motifome comparison between modern human, Neanderthal and Denisovan. BMC Genomics, 2018, 19, 472.	2.8	4
2138	The Glucose-Regulated MiR-483-3p Influences Key Signaling Pathways in Cancer. Cancers, 2018, 10, 181.	3.7	35
2139	Genome-Wide Analysis of Gene and microRNA Expression in Diploid and Autotetraploid Paulownia fortunei (Seem) Hemsl. under Drought Stress by Transcriptome, microRNA, and Degradome Sequencing. Forests, 2018, 9, 88.	2.1	11
2140	Hippocampal MicroRNAs Respond to Administration of Antidepressant Fluoxetine in Adult Mice. International Journal of Molecular Sciences, 2018, 19, 671.	4.1	14
2141	The Oncogenic Relevance of miR-17-92 Cluster and Its Paralogous miR-106b-25 and miR-106a-363 Clusters in Brain Tumors. International Journal of Molecular Sciences, 2018, 19, 879.	4.1	46
2142	Migration/Invasion of Malignant Gliomas and Implications for Therapeutic Treatment. International Journal of Molecular Sciences, 2018, 19, 1115.	4.1	72

#	ARTICLE	IF	CITATIONS
2143	Comparative microRNA-seq Analysis Depicts Candidate miRNAs Involved in Skin Color Differentiation in Red Tilapia. International Journal of Molecular Sciences, 2018, 19, 1209.	4.1	38
2144	Genome-Wide Identification of MicroRNAs in Response to Cadmium Stress in Oilseed Rape (Brassica) Tj ETQq1 1 0.784314 rgBT /Ove 1431.	4.1	34
2145	Heterogeneity and interplay of the extracellular vesicle small RNA transcriptome and proteome. Scientific Reports, 2018, 8, 10813.	3.3	118
2146	Identification of miRNAs and their targets in regulating tuberous root development in radish using small RNA and degradome analyses. 3 Biotech, 2018, 8, 311.	2.2	7
2147	A comprehensive review of web-based resources of non-coding RNAs for plant science research. International Journal of Biological Sciences, 2018, 14, 819-832.	6.4	23
2148	Evaluation of commercially available small RNASeq library preparation kits using low input RNA. BMC Genomics, 2018, 19, 331.	2.8	70
2149	Expression and function of microRNA-9 in the mid-hindbrain area of embryonic chick. BMC Developmental Biology, 2018, 18, 3.	2.1	8
2150	Novel evidence for a PIWI-interacting RNA (piRNA) as an oncogenic mediator of disease progression, and a potential prognostic biomarker in colorectal cancer. Molecular Cancer, 2018, 17, 16.	19.2	130
2151	SSCMDA: spy and super cluster strategy for MiRNA-disease association prediction. Oncotarget, 2018, 9, 1826-1842.	1.8	10
2152	Genome-wide identification of clusters of predicted microRNA binding sites as microRNA sponge candidates. PLoS ONE, 2018, 13, e0202369.	2.5	18
2153	Shifting the limits in wheat research and breeding using a fully annotated reference genome. Science, 2018, 361, .	12.6	2,424
2154	Purification-Free MicroRNA Detection by Using Magnetically Immobilized Nanopores on Liposome Membrane. Analytical Chemistry, 2018, 90, 10217-10222.	6.5	17
2155	MicroRNA-17 and the prognosis of human carcinomas: a systematic review and meta-analysis. BMJ Open, 2018, 8, e018070.	1.9	14
2156	miRNA editing landscape reveals miR-34c regulated spermatogenesis through structure and target change in pig and mouse. Biochemical and Biophysical Research Communications, 2018, 502, 486-492.	2.1	9
2157	Chemical-Induced Phenotypes at CTD Help Inform the Predisease State and Construct Adverse Outcome Pathways. Toxicological Sciences, 2018, 165, 145-156.	3.1	41
2158	microRNA-124-3p inhibits the progression of congenital hypothyroidism via targeting programmed cell death protein 6. Experimental and Therapeutic Medicine, 2018, 15, 5001-5006.	1.8	7
2159	Developmental profiling of microRNAs in the human embryonic inner ear. PLoS ONE, 2018, 13, e0191452.	2.5	19
2160	Transcriptome-wide identification and characterization of the copper and cadmium stress-responsive small RNAs and their targets in Arabidopsis thaliana. Plant and Soil, 2018, 429, 391-405.	3.7	7



#	ARTICLE	IF	CITATIONS
2161	Loss of RNA-Directed DNA Methylation in Maize Chromomethylase and DDM1-Type Nucleosome Remodeler Mutants. <i>Plant Cell</i> , 2018, 30, 1617-1627.	6.6	41
2162	The Human Genome and Neonatal Care. , 2018, , 180-189.e2.		0
2163	Efficiency of the miRNA-mRNA Interaction Prediction Programs. <i>Molecular Biology</i> , 2018, 52, 467-477.	1.3	14
2164	Predicting novel microRNA: a comprehensive comparison of machine learning approaches. <i>Briefings in Bioinformatics</i> , 2019, 20, 1607-1620.	6.5	31
2165	<i>PbrmiR397a</i> regulates lignification during stone cell development in pear fruit. <i>Plant Biotechnology Journal</i> , 2019, 17, 103-117.	8.3	114
2166	Tightly integrated genomic and epigenomic data mining using tensor decomposition. <i>Bioinformatics</i> , 2019, 35, 112-118.	4.1	17
2167	Neonatal lactocrine deficiency affects the adult porcine endometrial transcriptome at pregnancy day 13. <i>Biology of Reproduction</i> , 2019, 100, 71-85.	2.7	3
2168	A Bioinformatics Toolkit: In Silico Tools and Online Resources for Investigating Genetic Variation. <i>Seminars in Thrombosis and Hemostasis</i> , 2019, 45, 674-684.	2.7	1
2169	Discovery of Previously Undetected MicroRNAs in Mesothelioma and Their Use as Tissue-of-Origin Markers. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 266-268.	2.9	12
2170	Human high-density lipoprotein microtranscriptome is unique and suggests an extended role in lipid metabolism. <i>Epigenomics</i> , 2019, 11, 917-934.	2.1	8
2171	MicroRNA Gene Regulation in Extremely Young and Parallel Adaptive Radiations of Crater Lake Cichlid Fish. <i>Molecular Biology and Evolution</i> , 2019, 36, 2498-2511.	8.9	24
2172	A chromosome-anchored eggplant genome sequence reveals key events in Solanaceae evolution. <i>Scientific Reports</i> , 2019, 9, 11769.	3.3	179
2173	miR-140-5p Attenuates Neuroinflammation and Brain Injury in Rats Following Intracerebral Hemorrhage by Targeting TLR4. <i>Inflammation</i> , 2019, 42, 1869-1877.	3.8	31
2174	Adverse early-life environment impairs postnatal lung development in mice. <i>Physiological Genomics</i> , 2019, 51, 462-470.	2.3	10
2175	Differentially Expressed MiRNAs and tRNA Genes Affect Host Homeostasis During Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus Infections in Young Pigs. <i>Frontiers in Genetics</i> , 2019, 10, 691.	2.3	15
2176	Classification of Pre-cursor microRNAs from Different Species Using a New Set of Features. <i>Communications in Computer and Information Science</i> , 2019, , 15-20.	0.5	0
2177	Harnessing host-virus evolution in antiviral therapy and immunotherapy. <i>Clinical and Translational Immunology</i> , 2019, 8, e1067.	3.8	27
2178	Construction and analysis of degradome-dependent microRNA regulatory networks in soybean. <i>BMC Genomics</i> , 2019, 20, 534.	2.8	12

#	ARTICLE	IF	CITATIONS
2179	Identifying microRNAs and Their Editing Sites in <i>Macaca mulatta</i> . <i>Cells</i> , 2019, 8, 682.	4.1	10
2180	MicroRNAs and its emerging role as breast cancer diagnostic marker- A review. <i>Advances in Biomarker Sciences and Technology</i> , 2019, 1, 1-8.	1.8	22
2181	Time-Resolved Small RNA Sequencing Unravels the Molecular Principles of MicroRNA Homeostasis. <i>Molecular Cell</i> , 2019, 75, 756-768.e7.	9.7	116
2182	Microfluidic epigenomic mapping technologies for precision medicine. <i>Lab on A Chip</i> , 2019, 19, 2630-2650.	6.0	11
2183	AGO CLIP Reveals an Activated Network for Acute Regulation of Brain Glutamate Homeostasis in Ischemic Stroke. <i>Cell Reports</i> , 2019, 28, 979-991.e6.	6.4	20
2184	microRNA dysregulation in neurodegenerative diseases: A systematic review. <i>Progress in Neurobiology</i> , 2019, 182, 101664.	5.7	272
2185	Transforming compound leaf patterning by manipulating <i>REVOLUTA</i> in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2019, 100, 562-571.	5.7	20
2186	miRBaseMiner, a tool for investigating miRBase content. <i>RNA Biology</i> , 2019, 16, 1534-1546.	3.1	19
2187	Oncogenic Biogenesis of pri-miR-17~492 Reveals Hierarchy and Competition among Polycistronic MicroRNAs. <i>Molecular Cell</i> , 2019, 75, 340-356.e10.	9.7	26
2188	Kruppel-like factor 6 and miR-223 signaling axis regulates macrophage-mediated inflammation. <i>FASEB Journal</i> , 2019, 33, 10902-10915.	0.5	32
2189	Accurate and Efficient Mapping of the Cross-Linked microRNA-mRNA Duplex Reads. <i>IScience</i> , 2019, 18, 11-19.	4.1	7
2190	Comparative genome analysis of the SPL gene family reveals novel evolutionary features in maize. <i>Genetics and Molecular Biology</i> , 2019, 42, 380-394.	1.3	13
2192	One bead three targets: An enzyme-free platform enabling simultaneous detection of multiplex MicroRNAs on a single microbead. <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127119.	7.8	6
2193	Inferring Disease-Associated MicroRNAs Using Semi-supervised Multi-Label Graph Convolutional Networks. <i>IScience</i> , 2019, 20, 265-277.	4.1	33
2195	miR-425 suppresses EMT and the development of TNBC (triple-negative breast cancer) by targeting the TGF- $\beta$ 1/SMAD 3 signaling pathway. <i>RSC Advances</i> , 2019, 9, 151-165.	3.6	8
2196	miRNAs derived from cancer-associated fibroblasts in colorectal cancer. <i>Epigenomics</i> , 2019, 11, 1627-1645.	2.1	58
2197	Deep Small RNA Sequencing of BRAF V600E Mutated Papillary Thyroid Carcinoma With Lymph Node Metastasis. <i>Frontiers in Genetics</i> , 2019, 10, 941.	2.3	1
2198	Epigenetic Biomarkers in Cardiovascular Diseases. <i>Frontiers in Genetics</i> , 2019, 10, 950.	2.3	79

#	ARTICLE	IF	CITATIONS
2199	Dynamics of microRNA expression during mouse prenatal development. <i>Genome Research</i> , 2019, 29, 1900-1909.	5.5	21
2200	Comparative Identification of MicroRNAs in <i>Apis cerana cerana</i> Workers's Midguts in Response to <i>Nosema ceranae</i> Invasion. <i>Insects</i> , 2019, 10, 258.	2.2	14
2201	Prediction of potential miRNA-disease associations using matrix decomposition and label propagation. <i>Knowledge-Based Systems</i> , 2019, 186, 104963.	7.1	24
2202	Automatic discovery of 100-miRNA signature for cancer classification using ensemble feature selection. <i>BMC Bioinformatics</i> , 2019, 20, 480.	2.6	54
2203	MicroRNA-10a-5p regulates macrophage polarization and promotes therapeutic adipose tissue remodeling. <i>Molecular Metabolism</i> , 2019, 29, 86-98.	6.5	40
2204	A network embedding-based multiple information integration method for the MiRNA-disease association prediction. <i>BMC Bioinformatics</i> , 2019, 20, 468.	2.6	62
2205	Genome-wide hairpins datasets of animals and plants for novel miRNA prediction. <i>Data in Brief</i> , 2019, 25, 104209.	1.0	6
2206	Conservation and novelty in the microRNA genomic landscape of hyperdiverse cichlid fishes. <i>Scientific Reports</i> , 2019, 9, 13848.	3.3	25
2207	Characterization of thermally sensitive miRNAs reveals a central role of the FoxO signaling pathway in regulating the cellular stress response of an extreme stenotherm, <i>Trematomus bernacchii</i> . <i>Marine Genomics</i> , 2019, 48, 100698.	1.1	12
2208	HIV-1 infection increases microRNAs that inhibit Dicer1, HRB and HIV-EP2, thereby reducing viral replication. <i>PLoS ONE</i> , 2019, 14, e0211111.	2.5	22
2209	Transcriptomic analyses reveal groups of co-expressed, syntenic lncRNAs in four species of the genus <i>Caenorhabditis</i> . <i>RNA Biology</i> , 2019, 16, 320-329.	3.1	16
2210	Inhibition of post-transcriptional gene silencing of chalcone synthase genes in petunia picotee petals by flucyprym. <i>Journal of Experimental Botany</i> , 2019, 70, 1513-1523.	4.8	7
2211	Tissue-specific epigenetics of atherosclerosis-related <i>ANGPT</i> and <i>ANGPTL</i> genes. <i>Epigenomics</i> , 2019, 11, 169-186.	2.1	30
2212	Identification and characterization of drought responsive miRNAs in a drought tolerant upland rice cultivar KMJ 1-12-3. <i>Plant Physiology and Biochemistry</i> , 2019, 137, 62-74.	5.8	21
2213	MicroRNA Cross-Involvement in Autism Spectrum Disorders and Atopic Dermatitis: A Literature Review. <i>Journal of Clinical Medicine</i> , 2019, 8, 88.	2.4	35
2214	Mature sperm small-RNA profile in the sparrow: implications for transgenerational effects of age on fitness. <i>Environmental Epigenetics</i> , 2019, 5, dvz007.	1.8	7
2215	miRNome. <i>Compendium of Plant Genomes</i> , 2019, , 195-203.	0.5	0
2216	Identification of microRNAs and genes as biomarkers of atrial fibrillation using a bioinformatics approach. <i>Journal of International Medical Research</i> , 2019, 47, 3580-3589.	1.0	13

#	ARTICLE	IF	CITATIONS
2217	Full-length transcriptome sequencing and methyl jasmonate-induced expression profile analysis of genes related to patchoulol biosynthesis and regulation in <i>Pogostemon cablin</i> . <i>BMC Plant Biology</i> , 2019, 19, 266.	3.6	32
2218	MicroRNA-Dependent Gene Regulation of the Human Cytochrome P450. , 2019, , 129-138.		2
2219	A comparison of RNA extraction and sequencing protocols for detection of small RNAs in plasma. <i>BMC Genomics</i> , 2019, 20, 446.	2.8	55
2220	Pharmacoeugenetics of Statins. , 2019, , 817-825.		0
2221	The Globe Artichoke Genome. <i>Compendium of Plant Genomes</i> , 2019, , .	0.5	1
2222	Value of the expression of miR-208, miR-494, miR-499 and miR-1303 in early diagnosis of acute myocardial infarction. <i>Life Sciences</i> , 2019, 232, 116547.	4.3	21
2223	Historical contingency shapes adaptive radiation in Antarctic fishes. <i>Nature Ecology and Evolution</i> , 2019, 3, 1102-1109.	7.8	50
2224	Dual Epigenetic Regulation of ER $\alpha$ Expression in Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2637.	4.1	17
2225	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
2226	Comprehensive transcriptome analysis reveals genes potentially involved in isoflavone biosynthesis in <i>Pueraria thomsonii</i> Benth. <i>PLoS ONE</i> , 2019, 14, e0217593.	2.5	25
2227	miR-22 enhances the radiosensitivity of small cell lung cancer by targeting the WRNIP1. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 17650-17661.	2.6	31
2228	Deciphering the non-coding RNA-level response to arsenic stress in rice ( <i>Oryza sativa</i> ). <i>Plant Signaling and Behavior</i> , 2019, 14, 1629268.	2.4	22
2229	Clinical and biological impact of miR-18a expression in breast cancer after neoadjuvant chemotherapy. <i>Cellular Oncology (Dordrecht)</i> , 2019, 42, 627-644.	4.4	29
2230	Computational identification of miRNA and their cross kingdom targets from expressed sequence tags of <i>Ocimum basilicum</i> . <i>Molecular Biology Reports</i> , 2019, 46, 2979-2995.	2.3	21
2231	Transcriptional Regulation of the Glutamate/GABA/Glutamine Cycle in Adult Glia Controls Motor Activity and Seizures in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2019, 39, 5269-5283.	3.6	26
2232	Epigenetic regulation of sulfur homeostasis in plants. <i>Journal of Experimental Botany</i> , 2019, 70, 4171-4182.	4.8	28
2233	miR-494 induces EndMT and promotes the development of HCC (Hepatocellular Carcinoma) by targeting SIRT3/TGF- $\beta$ 2/SMAD signaling pathway. <i>Scientific Reports</i> , 2019, 9, 7213.	3.3	29
2234	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.	2.9	8

#	ARTICLE	IF	CITATIONS
2235	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.	3.7	6
2236	Cell Culture Techniques. <i>Neuromethods</i> , 2019, , .	0.3	3
2237	microRNA expression profile in Smooth Muscle Cells isolated from thoracic aortic aneurysm samples. <i>Advances in Medical Sciences</i> , 2019, 64, 331-337.	2.1	3
2238	Adipokines Regulate the Expression of Tumor-Relevant MicroRNAs. <i>Obesity Facts</i> , 2019, 12, 211-225.	3.4	27
2239	The emerging importance of noncoding RNAs in the insecticide tolerance, with special emphasis on <i>Plutella xylostella</i> (Lepidoptera: Plutellidae). <i>Wiley Interdisciplinary Reviews RNA</i> , 2019, 10, e1539.	6.4	8
2240	A RNA-Seq Analysis to Describe the Boar Sperm Transcriptome and Its Seasonal Changes. <i>Frontiers in Genetics</i> , 2019, 10, 299.	2.3	53
2241	Comprehensive analysis of miRNA and protein profiles within exosomes derived from canine lymphoid tumour cell lines. <i>PLoS ONE</i> , 2019, 14, e0208567.	2.5	20
2242	Panoramic Visualization of Circulating MicroRNAs Across Neurodegenerative Diseases in Humans. <i>Molecular Neurobiology</i> , 2019, 56, 7380-7407.	4.0	30
2243	Bipartite Heterogeneous Network Method Based on Co-neighbor for MiRNA-Disease Association Prediction. <i>Frontiers in Genetics</i> , 2019, 10, 385.	2.3	23
2244	Beyond the seed: structural basis for supplementary micro RNA targeting by human Argonaute2. <i>EMBO Journal</i> , 2019, 38, e101153.	7.8	105
2245	Transcriptome Alterations in Liver Metastases of Colorectal Cancer After Acquired Resistance to Cetuximab. <i>Cancer Genomics and Proteomics</i> , 2019, 16, 207-219.	2.0	13
2246	Impact of Polypharmacy on Candidate Biomarker miRNomes for the Diagnosis of Fibromyalgia and Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: Striking Back on Treatments. <i>Pharmaceutics</i> , 2019, 11, 126.	4.5	14
2247	Potential tumor-suppressive role of microRNA-99a-3p in sunitinib-resistant renal cell carcinoma cells through the regulation of RRM2. <i>International Journal of Oncology</i> , 2019, 54, 1759-1770.	3.3	24
2248	An estimate of the total number of true human miRNAs. <i>Nucleic Acids Research</i> , 2019, 47, 3353-3364.	14.5	400
2249	Downregulation of miR-503 in Activated Kidney Fibroblasts Disinhibits KCNN4 in an <i>in vitro</i> Model of Kidney Fibrosis. <i>Kidney and Blood Pressure Research</i> , 2019, 44, 113-122.	2.0	7
2250	Gene-Specific Intron Retention Serves as Molecular Signature that Distinguishes Melanoma from Non-Melanoma Cancer Cells in Greek Patients. <i>International Journal of Molecular Sciences</i> , 2019, 20, 937.	4.1	8
2251	Upregulated miR-154 promotes ECM degradation in intervertebral disc degeneration. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 11900-11907.	2.6	19
2252	Discovery of the Oncogenic Parp1, a Target of bcr-abl and a Potential Therapeutic, in mir-181a/PPFIA1 Signaling Pathway. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 1-14.	5.1	14

#	ARTICLE	IF	CITATIONS
2253	Epigenetic Components of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome Uncover Potential Transposable Element Activation. <i>Clinical Therapeutics</i> , 2019, 41, 675-698.	2.5	19
2254	Identification of tumor suppressor miRNAs by integrative miRNA and mRNA sequencing of matched tumor&#x2013;normal samples in lung adenocarcinoma. <i>Molecular Oncology</i> , 2019, 13, 1356-1368.	4.6	39
2255	Grape seed proanthocyanidins inhibit proliferation of pancreatic cancer cells by modulating microRNA expression. <i>Oncology Letters</i> , 2019, 17, 2777-2787.	1.8	10
2256	Comparative genomics reveals origin of MIR159A&#x2013;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.	2.1	12
2257	Improved Pre-miRNAs Identification Through Mutual Information of Pre-miRNA Sequences and Structures. <i>Frontiers in Genetics</i> , 2019, 10, 119.	2.3	28
2258	Identification and Analysis of microRNAs in the SAM and Leaves of <i>Populus tomentosa</i> . <i>Forests</i> , 2019, 10, 130.	2.1	11
2259	Network and Pathway-Based Analysis of Single-Nucleotide Polymorphism of miRNA in Temporal Lobe Epilepsy. <i>Molecular Neurobiology</i> , 2019, 56, 7022-7031.	4.0	8
2260	Medical Applications of iPS Cells. <i>Current Human Cell Research and Applications</i> , 2019, , .	0.1	0
2261	Inhibition of pre-miRNA-136 processing by Dicer with small molecule BzDANP suggested the formation of ternary complex of pre-miR-136&#x2013;BzDANP&#x2013;Dicer. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2140-2148.	3.0	8
2262	miRNA signatures in childhood sarcomas and their clinical implications. <i>Clinical and Translational Oncology</i> , 2019, 21, 1583-1623.	2.4	13
2263	Identification of 8&#x2013;miRNAs as biomarkers for nonalcoholic fatty liver disease. <i>Journal of Cellular Physiology</i> , 2019, 234, 17361-17369.	4.1	6
2264	Current Challenges in the Management of Neuroblastoma. , 2019, , 213-229.		0
2265	miPIE: NGS-based Prediction of miRNA Using Integrated Evidence. <i>Scientific Reports</i> , 2019, 9, 1548.	3.3	13
2266	miR-499-5p Attenuates Mitochondrial Fission and Cell Apoptosis via p21 in Doxorubicin Cardiotoxicity. <i>Frontiers in Genetics</i> , 2018, 9, 734.	2.3	48
2267	Alterations in tissue microRNA after heat stress in the conscious rat: potential biomarkers of organ-specific injury. <i>BMC Genomics</i> , 2019, 20, 141.	2.8	13
2268	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.	3.1	12
2269	Adaboost-SVM-based probability algorithm for the prediction of all mature miRNA sites based on structured-sequence features. <i>Scientific Reports</i> , 2019, 9, 1521.	3.3	7
2270	Diff isomiRs: Large-scale detection of differential isomiRs for understanding non-coding regulated stress omics in plants. <i>Scientific Reports</i> , 2019, 9, 1406.	3.3	9

#	ARTICLE	IF	CITATIONS
2271	MiRNA-206 inhibits hepatocellular carcinoma cell proliferation and migration but promotes apoptosis by modulating cMET expression. <i>Acta Biochimica Et Biophysica Sinica</i> , 2019, 51, 243-253.	2.0	30
2272	Post-transcriptional adaptation of the aquatic plant <i>Spirodela polyrhiza</i> under stress and hormonal stimuli. <i>Plant Journal</i> , 2019, 98, 1120-1133.	5.7	13
2273	MicroRNA Expression as an Indicator of Tissue Toxicity and a Biomarker in Disease and Drug-Induced Toxicological Evaluation. , 2019, , 1047-1072.		0
2274	Computational methods for microRNA and PIWI-interacting RNA gene discovery and functional predictions. , 2019, , 35-53.		0
2275	Computational Tools for microRNA Target Prediction. , 2019, , 79-105.		6
2276	High-throughput sequencing and differential expression analysis of miRNAs in response to Brassinosteroid treatment in <i>Arabidopsis thaliana</i> . <i>Functional and Integrative Genomics</i> , 2019, 19, 597-615.	3.5	3
2277	Predicting the origin of stains from whole miRNome massively parallel sequencing data. <i>Forensic Science International: Genetics</i> , 2019, 40, 131-139.	3.1	25
2278	Interplay between miRNAs and host genes and their role in cancer. <i>Briefings in Functional Genomics</i> , 2019, 18, 255-266.	2.7	103
2279	Inhibition of microRNA-124-3p protects against acute myocardial infarction by suppressing the apoptosis of cardiomyocytes. <i>Molecular Medicine Reports</i> , 2019, 20, 3379-3387.	2.4	9
2280	Identification of potential microRNAs and their targets in promoting gefitinib resistance by integrative network analysis. <i>Journal of Thoracic Disease</i> , 2019, 11, 5535-5546.	1.4	4
2281	One DB to rule them all the RING: a Regulatory Interaction Graph combining TFs, genes/proteins, SNPs, diseases and drugs. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	3.0	5
2284	A network view of microRNA and gene interactions in different pathological stages of colon cancer. <i>BMC Medical Genomics</i> , 2019, 12, 158.	1.5	5
2285	MicroRNAs in <i>Vitis vinifera</i> cv. Chardonnay Are Differentially Expressed in Response to Diaporthe Species. <i>Genes</i> , 2019, 10, 905.	2.4	5
2286	LSGSP: a novel miRNA-disease association prediction model using a Laplacian score of the graphs and space projection federated method. <i>RSC Advances</i> , 2019, 9, 29747-29759.	3.6	6
2287	Genome-wide microRNA analysis of HPV-positive self-samples yields novel triage markers for early detection of cervical cancer. <i>International Journal of Cancer</i> , 2019, 144, 372-379.	5.1	29
2288	Identification of novel mouse and rat CB1R isoforms and in silico modeling of human CB1R for peripheral cannabinoid therapeutics. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 387-397.	6.1	14
2289	Nrf2 Sequesters Keap1 Preventing Podosome Disassembly: A Quintessential Duet Moonlights in Endothelium. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1709-1730.	5.4	16
2290	Lab Standards. , 2019, , 1-10.		0



#	ARTICLE	IF	CITATIONS
2291	miR-449a induces EndMT, promotes the development of atherosclerosis by targeting the interaction between AdipoR2 and E-cadherin in Lipid Rafts. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 2293-2304.	5.6	24
2292	Identification of a circulating miRNA signature in extracellular vesicles collected from amyotrophic lateral sclerosis patients. <i>Brain Research</i> , 2019, 1708, 100-108.	2.2	82
2293	MiRNA target interactions in osteogenic signaling pathways involving zinc via the metal regulatory element. <i>BioMetals</i> , 2019, 32, 111-121.	4.1	6
2294	MiR-194 regulates nasopharyngeal carcinoma progression by modulating MAP3K3 expression. <i>FEBS Open Bio</i> , 2019, 9, 43-52.	2.3	17
2295	Identification of hsa-miR-34a, hsa-miR-124, and hsa-miR-204 as signatures for cataract. <i>Journal of Cellular Physiology</i> , 2019, 234, 10709-10717.	4.1	14
2296	MicroR408 regulates defense response upon wounding in sweet potato. <i>Journal of Experimental Botany</i> , 2019, 70, 469-483.	4.8	28
2297	Multidimensional communication of microRNAs and long non-coding RNAs in lung cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 31-48.	2.5	25
2298	miRBase: from microRNA sequences to function. <i>Nucleic Acids Research</i> , 2019, 47, D155-D162.	14.5	3,014
2299	Hotspots in the genomic architecture of field drought responses in wheat as breeding targets. <i>Functional and Integrative Genomics</i> , 2019, 19, 295-309.	3.5	40
2300	Evolution of an X-Linked miRNA Family Predominantly Expressed in Mammalian Male Germ Cells. <i>Molecular Biology and Evolution</i> , 2019, 36, 663-678.	8.9	20
2301	MicroRNA-663 antagonizes apoptosis antagonizing transcription factor to induce apoptosis in epithelial cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019, 24, 108-118.	4.9	8
2302	An emerging technique for reducing the response time in plant miRNA identification. <i>Computational Biology and Chemistry</i> , 2019, 78, 382-388.	2.3	1
2303	The Prognostic Value and Regulatory Mechanisms of microRNA-145 in Various Tumors: A Systematic Review and Meta-analysis of 50 Studies. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 867-881.	2.5	23
2304	Expanding the miRNA Repertoire in Atlantic Salmon; Discovery of IsomiRs and miRNAs Highly Expressed in Different Tissues and Developmental Stages. <i>Cells</i> , 2019, 8, 42.	4.1	44
2305	Computational Resources for Prediction and Analysis of Functional miRNA and Their Targetome. <i>Methods in Molecular Biology</i> , 2019, 1912, 215-250.	0.9	27
2306	Identification and validation of plant miRNA from NGS data—an experimental approach. <i>Briefings in Functional Genomics</i> , 2019, 18, 13-22.	2.7	7
2307	Identification of six miRNAs serving as predictive biomarkers in coronary artery disease. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 1932-1942.	2.6	1
2308	Molecular Basis for the Single-Nucleotide Precision of Primary microRNA Processing. <i>Molecular Cell</i> , 2019, 73, 505-518.e5.	9.7	66

#	ARTICLE	IF	CITATIONS
2309	Expression levels of miR-34-family microRNAs are associated with TP53 mutation status in head and neck squamous cell carcinoma. <i>European Archives of Oto-Rhino-Laryngology</i> , 2019, 276, 521-533.	1.6	11
2310	Regulation of Aldosterone Signaling by MicroRNAs. <i>Vitamins and Hormones</i> , 2019, 109, 69-103.	1.7	9
2311	Differential expression of miRNAs in milk exosomes of cows subjected to group relocation. <i>Research in Veterinary Science</i> , 2019, 122, 148-155.	1.9	31
2312	Framework for microRNA variant annotation and prioritization using human population and disease datasets. <i>Human Mutation</i> , 2019, 40, 73-89.	2.5	18
2313	Elevated carbon dioxide and drought modulate physiology and storage-root development in sweet potato by regulating microRNAs. <i>Functional and Integrative Genomics</i> , 2019, 19, 171-190.	3.5	16
2314	Plant Epigenetics. , 2019, , 733-781.		2
2315	Identification of microRNAs From Small RNA Sequencing Profiles. , 2019, , 35-82.		1
2316	Identification of Editing and Mutation Sites in miRNAs. , 2019, , 107-142.		0
2317	Usage Guide of Web-based ncRNA Resources. , 2019, , 267-274.		0
2319	MicroRNAs and complex diseases: from experimental results to computational models. <i>Briefings in Bioinformatics</i> , 2019, 20, 515-539.	6.5	507
2320	Clustering and Candidate Motif Detection in Exosomal miRNAs by Application of Machine Learning Algorithms. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2019, 11, 206-214.	3.6	6
2321	Computational tools for plant small RNA detection and categorization. <i>Briefings in Bioinformatics</i> , 2019, 20, 1181-1192.	6.5	22
2322	An integrative analysis of non-coding regulatory DNA variations associated with autism spectrum disorder. <i>Molecular Psychiatry</i> , 2019, 24, 1707-1719.	7.9	59
2323	A survey of software tools for microRNA discovery and characterization using RNA-seq. <i>Briefings in Bioinformatics</i> , 2019, 20, 918-930.	6.5	16
2324	Novel microRNA revealed by systematic analysis of the microRNA transcriptome in dentate gyrus granule cells. <i>Neuroscience Letters</i> , 2019, 707, 132280.	2.1	5
2325	Deepâ€sequencing of <i>Solanum commersonii</i> small RNA libraries reveals riboregulators involved in cold stress response. <i>Plant Biology</i> , 2020, 22, 133-142.	3.8	20
2326	Small RNA profiling from meiotic and post-meiotic anthers reveals prospective miRNA-target modules for engineering male fertility in sorghum. <i>Genomics</i> , 2020, 112, 1598-1610.	2.9	16
2327	Tumor Liquid Biopsies. <i>Recent Results in Cancer Research</i> , 2020, , .	1.8	11

#	ARTICLE	IF	CITATIONS
2328	Biostatistics and Bioinformatics in Clinical Trials. , 2020, , 284-295.e2.		1
2329	Parasite-derived microRNAs in plasma as novel promising biomarkers for the early detection of hydatid cyst infection and post-surgery follow-up. Acta Tropica, 2020, 202, 105255.	2.0	31
2330	Endometrial Liquid Biopsy Provides a miRNA Roadmap of the Secretory Phase of the Human Endometrium. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 877-889.	3.6	13
2331	Invited review: MicroRNAs in bovine colostrumâ€”Focus on their origin and potential health benefits for the calf. Journal of Dairy Science, 2020, 103, 1-15.	3.4	58
2332	Post-transcriptional regulation of Rad51c by miR-222 contributes cellular transformation. PLoS ONE, 2020, 15, e0221681.	2.5	3
2333	Identification and evolutionary analysis of polycistronic miRNA clusters in domesticated and wild wheat. Genomics, 2020, 112, 2334-2348.	2.9	12
2334	Lfo-miR164b and LfNAC1 as autumn leaf senescence regulators in Formosan sweet gum (Liquidambar) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	2
2335	Ultrasound-Assisted miR-122-Loaded Polymeric Nanodroplets for Hepatocellular Carcinoma Gene Therapy. Molecular Pharmaceutics, 2020, 17, 541-553.	4.6	21
2336	Complexity measures of the mature miRNA for improving pre-miRNAs prediction. Bioinformatics, 2020, 36, 2319-2327.	4.1	9
2337	Role of androgen and microRNA in triple-negative breast cancer. Breast Disease, 2020, 39, 15-27.	0.8	8
2338	MicroRNA397b negatively regulates resistance of Malus hupehensis to Botryosphaeria dothidea by modulating MhLAC7 involved in lignin biosynthesis. Plant Science, 2020, 292, 110390.	3.6	33
2340	Multi-level transcriptome sequencing identifies COL1A1 as a candidate marker in human heart failure progression. BMC Medicine, 2020, 18, 2.	5.5	65
2341	Transcriptome-wide miRNA identification of <i>Bacopa monnieri</i>: a cross-kingdom approach. Plant Signaling and Behavior, 2020, 15, 1699265.	2.4	24
2342	Association Between Side Effects and Blood microRNA Expression Levels and Their Targeted Pathways in Patients With Major Depressive Disorder Treated by a Selective Serotonin Reuptake Inhibitor, Escitalopram: A CAN-BIND-1 Report. International Journal of Neuropsychopharmacology, 2020, 23, 88-95.	2.1	12
2343	Molecular subgrouping of primary pineal parenchymal tumors reveals distinct subtypes correlated with clinical parameters and genetic alterations. Acta Neuropathologica, 2020, 139, 243-257.	7.7	50
2344	Brain microRNAs in rainbow trout are modulated by functional additives and fish density. Aquaculture, 2020, 519, 734754.	3.5	5
2345	Inhibition of microRNAâ€”148bâ€”3p alleviates oxygenâ€”glucose deprivation/reoxygenationâ€”induced apoptosis and oxidative stress in HT22 hippocampal neuron via reinforcing Sestrin2/Nrf2 signalling. Clinical and Experimental Pharmacology and Physiology, 2020, 47, 561-570.	1.9	18
2346	MicroRNA6443â€”mediated regulation of <i>FERULATE 5â€”HYDROXYLASE</i> gene alters lignin composition and enhances saccharification in <i>Populus tomentosa</i>. New Phytologist, 2020, 226, 410-425.	7.3	40

#	ARTICLE	IF	CITATIONS
2347	In vivo hepatotoxicity screening of different extracts, components, and constituents of <i>Polygoni Multiflori</i> Thunb. in zebrafish ( <i>Danio rerio</i> ) larvae. <i>Biomedicine and Pharmacotherapy</i> , 2020, 131, 110524.	5.6	20
2348	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.	2.5	11
2349	Discovery and validation of candidate genes for grain iron and zinc metabolism in pearl millet [ <i>Pennisetum glaucum</i> (L.) R. Br.]. <i>Scientific Reports</i> , 2020, 10, 16562.	3.3	18
2350	Insights into microRNAs and their targets associated with lignin composition in <i>Eucalyptus camaldulensis</i> . <i>Plant Gene</i> , 2020, 24, 100248.	2.3	2
2351	Knock-down of Î-aminolevulinic acid dehydratase via virus-induced gene silencing alters the microRNA biogenesis and causes stress-related reactions in citrus plants. <i>Plant Science</i> , 2020, 299, 110622.	3.6	7
2352	An Integrative miRNA-mRNA Expression Analysis Reveals Striking Transcriptomic Similarities between Severe Equine Asthma and Specific Asthma Endotypes in Humans. <i>Genes</i> , 2020, 11, 1143.	2.4	11
2353	Epigenetic influence of environmentally neurotoxic metals. <i>NeuroToxicology</i> , 2020, 81, 51-65.	3.0	44
2354	Application of microRNA profiling to understand sevoflurane-induced adverse effects on developing monkey brain. <i>NeuroToxicology</i> , 2020, 81, 172-179.	3.0	3
2355	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.	2.6	7
2356	The high-quality genome of diploid strawberry ( <i>Fragaria nilgerrensis</i> ) provides new insights into anthocyanin accumulation. <i>Plant Biotechnology Journal</i> , 2020, 18, 1908-1924.	8.3	51
2357	Whole genome resequencing of four Italian sweet pepper landraces provides insights on sequence variation in genes of agronomic value. <i>Scientific Reports</i> , 2020, 10, 9189.	3.3	18
2358	Role of Non-Coding Variants in Brugada Syndrome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8556.	4.1	6
2359	QIMCMDA: MiRNA-Disease Association Prediction by q-Kernel Information and Matrix Completion. <i>Frontiers in Genetics</i> , 2020, 11, 594796.	2.3	1
2360	A Lymphocyte MicroRNA Signature as Predictive Biomarker of Immunotherapy Response and Plasma PD-1/PD-L1 Expression Levels in Patients with Metastatic Renal Cell Carcinoma: Pointing towards Epigenetic Reprogramming. <i>Cancers</i> , 2020, 12, 3396.	3.7	41
2361	Nanoparticle-complexed anti-miRs for inhibiting tumor growth and metastasis in prostate carcinoma and melanoma. <i>Journal of Nanobiotechnology</i> , 2020, 18, 173.	9.1	17
2362	Identification of Recurrent Mutations in the microRNA-Binding Sites of B-Cell Lymphoma-Associated Genes in Follicular Lymphoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8795.	4.1	1
2363	Characterization of microRNA-like RNAs associated with sclerotial development in <i>Sclerotinia sclerotiorum</i> . <i>Fungal Genetics and Biology</i> , 2020, 144, 103471.	2.1	16
2364	Genome-Wide Differential DNA Methylation and miRNA Expression Profiling Reveals Epigenetic Regulatory Mechanisms Underlying Nitrogen-Limitation-Triggered Adaptation and Use Efficiency Enhancement in Allotetraploid Rapeseed. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8453.	4.1	10

#	ARTICLE	IF	CITATIONS
2365	CD40-miRNA axis controls prospective cell fate determinants during B cell differentiation. <i>Molecular Immunology</i> , 2020, 126, 46-55.	2.2	14
2366	Circulating miR-16-5p, miR-92a-3p, and miR-451a in Plasma from Lung Cancer Patients: Potential Application in Early Detection and a Regulatory Role in Tumorigenesis Pathways. <i>Cancers</i> , 2020, 12, 2071.	3.7	34
2367	High-Throughput Sequencing and Expression Analysis Suggest the Involvement of <i>Pseudomonas putida</i> RA-Responsive microRNAs in Growth and Development of <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 5468.	4.1	12
2368	MicroRNAâ€™s in cancerâ€™s biomarkers and therapeutic keys. <i>ExRNA</i> , 2020, 2, .	1.0	0
2369	IL6R is a target of miRâ€™197 in human keratinocytes. <i>Experimental Dermatology</i> , 2020, 30, 1177-1186.	2.9	5
2370	â€œMind the Gapâ€ Hi-C Technology Boosts Contiguity of the Globe Artichoke Genome in Low-Recombination Regions. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 3557-3564.	1.8	12
2371	MIR2111-5 locus and shoot-accumulated mature miR2111 systemically enhance nodulation depending on HAR1 in <i>Lotus japonicus</i> . <i>Nature Communications</i> , 2020, 11, 5192.	12.8	31
2372	LncRBase V.2: an updated resource for multispecies lncRNAs and ClinixLSNP hosting genetic variants in lncRNAs for cancer patients. <i>RNA Biology</i> , 2021, 18, 1136-1151.	3.1	14
2374	RF plasma-enhanced conducting Polymer/W5O14 based self-propelled micromotors for miRNA detection. <i>Analytica Chimica Acta</i> , 2020, 1138, 69-78.	5.4	14
2375	microRNA-seq of cartilage reveals an overabundance of miR-140-3p which contains functional isomiRs. <i>Rna</i> , 2020, 26, 1575-1588.	3.5	17
2376	A role for microRNAs in the epigenetic control of sexually dimorphic gene expression in the human placenta. <i>Epigenomics</i> , 2020, 12, 1543-1558.	2.1	18
2377	Verbal memory dysfunction is associated with alterations in brain transcriptome in dominant temporal lobe epilepsy. <i>Epilepsia</i> , 2020, 61, 2203-2213.	5.1	7
2378	Long Non-coding RNAs Are Differentially Expressed After Different Exercise Training Programs. <i>Frontiers in Physiology</i> , 2020, 11, 567614.	2.8	29
2379	Identification and characterization of miRNAs during early pregnancy in domestic sheep. <i>Animal Genetics</i> , 2020, 51, 833-836.	1.7	7
2380	miR-452 Reverses Abnormal Glycosylation Modification of ERÎ± and Estrogen Resistance in TNBC (Triple-Negative Breast Cancer) Through Targeting UGT1A1. <i>Frontiers in Oncology</i> , 2020, 10, 1509.	2.8	10
2381	Cross-sectional study of human coding- and non-coding RNAs in progressive stages of <i>Helicobacter pylori</i> infection. <i>Scientific Data</i> , 2020, 7, 296.	5.3	1
2382	Delineating effect of corn microRNAs and matrix, ingested as whole food, on gut microbiota in a rodent model. <i>Food Science and Nutrition</i> , 2020, 8, 4066-4077.	3.4	6
2383	Non-Coding RNA Databases in Cardiovascular Research. <i>Non-coding RNA</i> , 2020, 6, 35.	2.6	10

#	ARTICLE	IF	CITATIONS
2384	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.	1.9	1
2385	Dynamical gene regulatory networks are tuned by transcriptional autoregulation with microRNA feedback. <i>Scientific Reports</i> , 2020, 10, 12960.	3.3	15
2386	A Novel MicroRNA From the Translated Region of the Giardavirus rdrp Gene Governs Virus Copy Number in <i>Giardia duodenalis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 569412.	3.5	8
2387	Computational methods for annotation of plant regulatory non-coding RNAs using RNA-seq. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	18
2388	A systems biology framework integrating GWAS and RNA-seq to shed light on the molecular basis of sperm quality in swine. <i>Genetics Selection Evolution</i> , 2020, 52, 72.	3.0	25
2389	The miRNA Content of Exosomes Released from the Glioma Microenvironment Can Affect Malignant Progression. <i>Biomedicines</i> , 2020, 8, 564.	3.2	11
2390	Retrograde signaling by a mtDNA-encoded non-coding RNA preserves mitochondrial bioenergetics. <i>Communications Biology</i> , 2020, 3, 626.	4.4	17
2391	Copy number gain of pro-inflammatory genes in patients with HBV-related acute-on-chronic liver failure. <i>BMC Medical Genomics</i> , 2020, 13, 180.	1.5	3
2392	Common schizophrenia risk variants are enriched in open chromatin regions of human glutamatergic neurons. <i>Nature Communications</i> , 2020, 11, 5581.	12.8	53
2393	microRNA as Biomarker in Ovarian Cancer Management: Advantages and Challenges. <i>DNA and Cell Biology</i> , 2020, 39, 2103-2124.	1.9	10
2394	Rising Roles of Small Noncoding RNAs in Cotranscriptional Regulation: In Silico Study of miRNA and piRNA Regulatory Network in Humans. <i>Genes</i> , 2020, 11, 482.	2.4	8
2395	miR-21 protects against lipopolysaccharide-stimulated acute kidney injury and apoptosis by targeting CDK6. <i>Annals of Translational Medicine</i> , 2020, 8, 303-303.	1.7	15
2396	Suppression of miR-30a-3p Attenuates Hepatic Steatosis in Non-alcoholic Fatty Liver Disease. <i>Biochemical Genetics</i> , 2020, 58, 691-704.	1.7	15
2397	The draft genome sequence of an upland wild rice species, <i>Oryza granulata</i> . <i>Scientific Data</i> , 2020, 7, 131.	5.3	21
2398	Clues of in vivo nuclear gene regulation by mitochondrial short non-coding RNAs. <i>Scientific Reports</i> , 2020, 10, 8219.	3.3	14
2399	SAFB2 Enables the Processing of Suboptimal Stem-Loop Structures in Clustered Primary miRNA Transcripts. <i>Molecular Cell</i> , 2020, 78, 876-889.e6.	9.7	43
2400	Identification of circular RNAs in porcine sperm and evaluation of their relation to sperm motility. <i>Scientific Reports</i> , 2020, 10, 7985.	3.3	27
2401	miRNAs-dependent regulation of synapse formation and function. <i>Genes and Genomics</i> , 2020, 42, 837-845.	1.4	9



#	ARTICLE	IF	CITATIONS
2402	mmannot: How to improve smallâ€“RNA annotation?. PLoS ONE, 2020, 15, e0231738.	2.5	2
2403	The Role of Nutri(epi)genomics in Achieving the Bodyâ€™s Full Potential in Physical Activity. Antioxidants, 2020, 9, 498.	5.1	10
2404	Draft genomes of two outcrossing wild rice, <i>Oryza rufipogon</i> and <i>O. longistaminata</i> , reveal genomic features associated with matingâ€“system evolution. Plant Direct, 2020, 4, e00232.	1.9	9
2405	The nuclear and mitochondrial genomes of <i>Frieseomelitta varia</i> â€“ a highly eusocial stingless bee (Meliponini) with a permanently sterile worker caste. BMC Genomics, 2020, 21, 386.	2.8	15
2406	Profiling cytotoxic microRNAs in pediatric and adult glioblastoma cells by high-content screening, identification, and validation of miR-1300. Oncogene, 2020, 39, 5292-5306.	5.9	5
2407	MicroRNAs Are Involved in Maize Immunity Against <i>Fusarium verticillioides</i> Ear Rot. Genomics, Proteomics and Bioinformatics, 2020, 18, 241-255.	6.9	14
2408	Importance of small RNA in plant metabolism. , 2020, , 125-153.		0
2409	Role of small RNA in plant interaction with microbes. , 2020, , 299-319.		0
2410	COMPSRA: a COMprehensive Platform for Small RNA-Seq data Analysis. Scientific Reports, 2020, 10, 4552.	3.3	18
2411	miRNAs in the Diagnosis and Prognosis of Skin Cancer. Frontiers in Cell and Developmental Biology, 2020, 8, 71.	3.7	68
2412	Reproductive tract extracellular vesicles are sufficient to transmit intergenerational stress and program neurodevelopment. Nature Communications, 2020, 11, 1499.	12.8	125
2413	Epigenetic Mechanisms of the Pathogenesis of Multiple Sclerosis. Human Physiology, 2020, 46, 104-112.	0.4	3
2414	Adaptive regulation of virulence genes by microRNAâ€“like RNAs in <i>Valsa mali</i> . New Phytologist, 2020, 227, 899-913.	7.3	27
2415	Noncoding RNAs in Cardiovascular Disease: Current Knowledge, Tools and Technologies for Investigation, and Future Directions: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2020, 13, e000062.	3.6	61
2416	Stumbling on elusive cargo: how isomiRs challenge microRNA detection and quantification, the case of extracellular vesicles. Journal of Extracellular Vesicles, 2020, 9, 1784617.	12.2	7
2417	Circulating Levels of Brain-Enriched MicroRNAs Correlate with Neuron Specific Enolase after Cardiac Arrestâ€“A Substudy of the Target Temperature Management Trial. International Journal of Molecular Sciences, 2020, 21, 4353.	4.1	4
2418	Targeted sequencing of genes associated with the mismatch repair pathway in patients with endometrial cancer. PLoS ONE, 2020, 15, e0235613.	2.5	4
2419	MiR-145 is involved in the proliferation of bovine mammary epithelial cells and regulates bovine insulin receptor substrate 1. Italian Journal of Animal Science, 2020, 19, 536-543.	1.9	4



#	ARTICLE	IF	CITATIONS
2420	Construction of a Novel Biosensor Based on the Self-assembly of Dual-Enzyme Cascade Amplification-Induced Copper Nanoparticles for Ultrasensitive Detection of MicroRNA153. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34130-34136.	8.0	23
2421	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.	3.1	5
2422	OsmiR167a targets auxin response factors modulate tiller angle via fine-tuning auxin distribution in rice. <i>Plant Biotechnology Journal</i> , 2020, 18, 2015-2026.	8.3	64
2423	MicroRNAs in gray and white matter multiple sclerosis lesions: impact on pathophysiology. <i>Journal of Pathology</i> , 2020, 250, 496-509.	4.5	18
2424	Graph regularized L2,1-nonnegative matrix factorization for miRNA-disease association prediction. <i>BMC Bioinformatics</i> , 2020, 21, 61.	2.6	25
2425	Different MicroRNA Families Involved in Regulating High Temperature Stress Response during Cotton ( <i>Gossypium hirsutum</i> L.) Anther Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1280.	4.1	29
2426	Small RNA Biosensor Design Strategy To Mitigate Off-Analyte Response. <i>ACS Sensors</i> , 2020, 5, 377-384.	7.8	0
2427	The interaction of Multiple Sclerosis risk loci with Epstein-Barr virus phenotypes implicates the virus in pathogenesis. <i>Scientific Reports</i> , 2020, 10, 193.	3.3	24
2428	Small RNA Bidirectional Crosstalk During the Interaction Between Wheat and <i>Zymoseptoria tritici</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1669.	3.6	23
2429	Signatures of circulating microRNA in four sarcoma subtypes. <i>Journal of Cancer</i> , 2020, 11, 874-882.	2.5	12
2430	miRNAs as Influencers of Cell-Cell Communication in Tumor Microenvironment. <i>Cells</i> , 2020, 9, 220.	4.1	53
2431	Computational screening of miRNAs and their targets in leaves of <i>Hypericum</i> spp. by transcriptome-mining: a pilot study. <i>Planta</i> , 2020, 251, 49.	3.2	6
2432	Detection of cellular miRNAs in plasma of <i>Salmo salar</i> during an ISAV infection. <i>Aquaculture Reports</i> , 2020, 17, 100320.	1.7	5
2433	Environmental pollutants modulate RNA and DNA virus-activated miRNA-155 expression and innate immune system responses: Insights into new immunomodulative mechanisms*. <i>Journal of Immunotoxicology</i> , 2020, 17, 86-93.	1.7	21
2434	Identification and in Silico Characterization of Novel and Conserved MicroRNAs in Methyl Jasmonate-Stimulated Scots Pine ( <i>Pinus sylvestris</i> L.) Needles. <i>Forests</i> , 2020, 11, 384.	2.1	6
2435	MicroRNAs in cardiovascular disease. <i>Hellenic Journal of Cardiology</i> , 2020, 61, 165-173.	1.0	57
2436	Identification and expression analysis of miRNAs and elucidation of their role in salt tolerance in rice varieties susceptible and tolerant to salinity. <i>PLoS ONE</i> , 2020, 15, e0230958.	2.5	62
2437	Toxic-Metal-Induced Alteration in miRNA Expression Profile as a Proposed Mechanism for Disease Development. <i>Cells</i> , 2020, 9, 901.	4.1	92

#	ARTICLE	IF	CITATIONS
2438	Soft Computing for Biomedical Applications and Related Topics. Studies in Computational Intelligence, 2021, , .	0.9	1
2439	Identification of regulatory mRNA and microRNA for differentiation into cementoblasts and periodontal ligament cells. Journal of Periodontal Research, 2021, 56, 69-82.	2.7	10
2440	A neural collaborative filtering method for identifying miRNA-disease associations. Neurocomputing, 2021, 422, 176-185.	5.9	13
2441	MiR-200b suppresses TNF- $\alpha$ -induced AMTN production in human gingival epithelial cells. Odontology / the Society of the Nippon Dental University, 2021, 109, 403-410.	1.9	3
2442	Overexpression of <i>Os</i> miR408 enhances drought tolerance in perennial ryegrass. Physiologia Plantarum, 2021, 172, 733-747.	5.2	35
2443	Amplification-free electrochemiluminescence molecular beacon-based microRNA sensing using a mobile phone for detection. Sensors and Actuators B: Chemical, 2021, 330, 129261.	7.8	29
2444	A Fast Linear Neighborhood Similarity-Based Network Link Inference Method to Predict MicroRNA-Disease Associations. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 405-415.	3.0	89
2445	Identification of prognostic biomarkers in glioblastoma using a long non-coding RNA-mediated, competitive endogenous RNA network. Oncotarget, 0, 7, 41737-41747.	1.8	44
2446	Target Mimic and Short Tandem Target Mimic Technologies for Deciphering Functions of miRNAs in Plants. Concepts and Strategies in Plant Sciences, 2021, , 43-52.	0.5	1
2447	The miR-199a/214 Cluster Controls Nephrogenesis and Vascularization in a Human Embryonic Stem Cell Model. Stem Cell Reports, 2021, 16, 134-148.	4.8	7
2448	MiR-16-5p plays an inhibitory role in human non-small cell lung cancer through Fermitin family member 2. Biocell, 2021, 45, 627-638.	0.7	2
2449	Scientometric analysis and knowledge mapping of literature-based discovery (1986â€“2020). Scientometrics, 2021, 126, 1415-1451.	3.0	23
2450	Unbiased RNA-Seq-driven identification and validation of reference genes for quantitative RT-PCR analyses of pooled cancer exosomes. BMC Genomics, 2021, 22, 27.	2.8	19
2451	Circular RNA Circ_0005564 promotes osteogenic differentiation of bone marrow mesenchymal cells in osteoporosis. Bioengineered, 2021, 12, 4911-4923.	3.2	19
2452	Integration of Transcriptional and Post-transcriptional Analysis Revealed the Early Response Mechanism of Sugarcane to Cold Stress. Frontiers in Genetics, 2020, 11, 581993.	2.3	5
2453	Efficient deletion of multiple circle RNA loci by CRISPR-Cas9 reveals <i>Os</i> 06circ02797 as a putative sponge for <i>Os</i> MIR408 in rice. Plant Biotechnology Journal, 2021, 19, 1240-1252.	8.3	37
2454	Purification of Specific Cell Populations Differentiated from Stem Cells Using MicroRNA-Responsive Synthetic Messenger RNAs. Methods in Molecular Biology, 2021, 2312, 73-86.	0.9	2
2455	Noncoding RNAs in Lingzhi Mushroom. Compendium of Plant Genomes, 2021, , 131-146.	0.5	0

#	ARTICLE	IF	CITATIONS
2456	Slicing Messengers by Artificial Designs: Artificial MicroRNA Induced Gene Silencing in Polyploid Plants for Functional Genomics and Trait Modification. Concepts and Strategies in Plant Sciences, 2021, , 77-129.	0.5	1
2457	Databases and bioinformatics tools for genome engineering in plants using RNA interference. , 2021, , 773-786.		1
2458	Role of Bioinformatics in MicroRNA Analysis. , 2021, , 365-373.		3
2459	Techniques for Characterizing Cytomegalovirus-Encoded miRNAs. Methods in Molecular Biology, 2021, 2244, 301-342.	0.9	1
2460	Proteomic profile of pre-implantational ovine embryos produced in vivo. Reproduction in Domestic Animals, 2021, 56, 586-603.	1.4	10
2461	Small in Size, but Large in Action: microRNAs as Potential Modulators of PTEN in Breast and Lung Cancers. Biomolecules, 2021, 11, 304.	4.0	40
2463	Peripheral Blood Cells from Patients with Hodgkin's and Diffuse Large B Cell Lymphomas May Be a Better Source of Candidate Diagnostic miRNAs Than Circulating miRNAs. BioMed Research International, 2021, 2021, 1-9.	1.9	0
2464	Comparison of miRNA expressions among benign, premalignant and malignant lesions of the larynx: Could they be transformation biomarkers?. Journal of Otolaryngology - Head and Neck Surgery, 2021, 50, 14.	1.9	6
2465	Honeysuckle Aqueous Extracts Induced let-7a Suppress EV71 Replication and Pathogenesis In Vitro and In Vivo and Is Predicted to Inhibit SARS-CoV-2. Viruses, 2021, 13, 308.	3.3	26
2466	MicroRNA Mimics or Inhibitors as Antiviral Therapeutic Approaches Against COVID-19. Drugs, 2021, 81, 517-531.	10.9	59
2467	Study of expressions of miRNAs in the spikelets based on their spatial location on panicle in rice cultivars provided insight into their influence on grain development. Plant Physiology and Biochemistry, 2021, 159, 244-256.	5.8	14
2468	Dicer-like proteins influence Arabidopsis root microbiota independent of RNA-directed DNA methylation. Microbiome, 2021, 9, 57.	11.1	15
2469	De novo assembly and characterization of the first draft genome of quince (Cydonia oblonga Mill.). Scientific Reports, 2021, 11, 3818.	3.3	10
2470	Deep sequencing of prostaglandin-endoperoxide synthase (PTGE) genes reveals genetic susceptibility for cross-reactive hypersensitivity to NSAID. British Journal of Pharmacology, 2021, 178, 1218-1233.	5.4	7
2471	MicroRNAs and Long Non-Coding RNAs as Potential Candidates to Target Specific Motifs of SARS-CoV-2. Non-coding RNA, 2021, 7, 14.	2.6	32
2472	Small RNAs as biomarkers to differentiate benign and malign prostate diseases: An alternative for transrectal punch biopsy of the prostate?. PLoS ONE, 2021, 16, e0247930.	2.5	12
2473	miRCOVID-19: Potential Targets of Human miRNAs in SARS-CoV-2 for RNA-Based Drug Discovery. Non-coding RNA, 2021, 7, 18.	2.6	37
2474	Computational meta-analysis of ribosomal RNA fragments: potential targets and interaction mechanisms. Nucleic Acids Research, 2021, 49, 4085-4103.	14.5	29

#	ARTICLE	IF	CITATIONS
2475	Identification and functional analysis of microRNAs in the regulation of summer diapause in <i>Galeruca daurica</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 37, 100786.	1.0	4
2476	Cooperative Regulation of Flavonoid and Lignin Biosynthesis in Plants. <i>Critical Reviews in Plant Sciences</i> , 2021, 40, 109-126.	5.7	42
2477	Sex-specific effects of social defeat stress on miRNA expression in the anterior BNST. <i>Behavioural Brain Research</i> , 2021, 401, 113084.	2.2	13
2478	Deciphering the role of microRNAs during Pi54 gene mediated <i>Magnaporthe oryzae</i> resistance response in rice. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 633-647.	3.1	10
2479	Longitudinal profiling of circulating miRNA during cardiac allograft rejection: a proof-of-concept study. <i>ESC Heart Failure</i> , 2021, 8, 1840-1849.	3.1	8
2480	Profile of Small RNAs, vDNA Forms and Viral Integrations in Late Chikungunya Virus Infection of <i>Aedes albopictus</i> Mosquitoes. <i>Viruses</i> , 2021, 13, 553.	3.3	13
2481	MicroRNA annotation in plants: current status and challenges. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	10
2482	Expression profiling of <i>Echinococcus multilocularis</i> miRNAs throughout metacestode development in vitro. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009297.	3.0	7
2484	The role of miRNA in plant-virus interaction: a review. <i>Molecular Biology Reports</i> , 2021, 48, 2853-2861.	2.3	24
2485	Next-Generation Sequencing Identification and Characterization of MicroRNAs in Dwarfed Citrus Trees Infected With Citrus Dwarfing Viroid in High-Density Plantings. <i>Frontiers in Microbiology</i> , 2021, 12, 646273.	3.5	8
2486	Machine learning integrated ensemble of feature selection methods followed by survival analysis for predicting breast cancer subtype specific miRNA biomarkers. <i>Computers in Biology and Medicine</i> , 2021, 131, 104244.	7.0	49
2487	Paired-end small RNA sequencing reveals a possible overestimation in the isomiR sequence repertoire previously reported from conventional single read data analysis. <i>BMC Bioinformatics</i> , 2021, 22, 215.	2.6	5
2488	The RabGAP TBC-11 controls Argonaute localization for proper microRNA function in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2021, 17, e1009511.	3.5	7
2489	A multiparametric extraction method for Vn96-isolated plasma extracellular vesicles and cell-free DNA that enables multi-omic profiling. <i>Scientific Reports</i> , 2021, 11, 8085.	3.3	8
2490	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.	3.8	24
2492	Classification of Precursor MicroRNAs from Different Species Based on K-mer Distance Features. <i>Algorithms</i> , 2021, 14, 132.	2.1	0
2493	Single nucleotide polymorphisms affect miRNA target prediction in bovine. <i>PLoS ONE</i> , 2021, 16, e0249406.	2.5	5
2494	Bisulphite miRNA-seq reveals widespread CpG and non-CpG 5-(hydroxy)methyl-Cytosine in human microRNAs. <i>RNA Biology</i> , 2021, 18, 2226-2235.	3.1	10

#	ARTICLE	IF	CITATIONS
2495	Evolutionary divergence of a Hoxa2b hindbrain enhancer in syngnathids mimics results of functional assays. <i>Development Genes and Evolution</i> , 2021, 231, 57-71.	0.9	0
2496	Genome-wide analysis of microRNA156 and its targets, the genes encoding SQUAMOSA promoter-binding protein-like (SPL) transcription factors, in the grass family Poaceae. <i>Journal of Zhejiang University: Science B</i> , 2021, 22, 366-382.	2.8	3
2497	Exploring the molecular content of CHO exosomes during bioprocessing. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3673-3689.	3.6	21
2498	Taenia solium microRNAs: Potential Biomarkers and Drug Targets in Neurocysticercosis. , 0, , .		0
2499	Simultaneous learning of individual microRNA-gene interactions and regulatory comodules. <i>BMC Bioinformatics</i> , 2021, 22, 237.	2.6	1
2500	Potential treatment for chronic myeloid leukemia using microRNA: in silico comparison between plants and human microRNAs in targeting BCR-ABL1 gene. <i>Egyptian Journal of Medical Human Genetics</i> , 2021, 22, .	1.0	4
2501	Pan-Genome miRNomics in <i>Brachypodium</i> . <i>Plants</i> , 2021, 10, 991.	3.5	2
2502	Deletion of hippocampal Glucocorticoid receptors unveils sex-biased microRNA expression and neuronal morphology alterations in mice. <i>Neurobiology of Stress</i> , 2021, 14, 100306.	4.0	8
2504	Genetic and <i>in silico</i> analysis show a role of SMAD3 on recurrent pregnancy loss. <i>Human Fertility</i> , 2022, 25, 754-763.	1.7	2
2505	Upregulation of miR-3195, miR-3687 and miR-4417 is associated with castration-resistant prostate cancer. <i>World Journal of Urology</i> , 2021, 39, 3789-3797.	2.2	14
2506	Male-Biased microRNA Discovery in the Pea Aphid. <i>Insects</i> , 2021, 12, 533.	2.2	3
2507	Ribosome stalling caused by the Argonaute-microRNA-SGS3 complex regulates the production of secondary siRNAs in plants. <i>Cell Reports</i> , 2021, 35, 109300.	6.4	30
2508	Comparative analysis of sRNAs, degradome and transcriptomics in sweet sorghum reveals the regulatory roles of miRNAs in Cd accumulation and tolerance. <i>Planta</i> , 2021, 254, 16.	3.2	6
2509	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.	1.3	15
2510	MicroRNA-191 blocking the translocation of GLUT4 is involved in arsenite-induced hepatic insulin resistance through inhibiting the IRS1/AKT pathway. <i>Ecotoxicology and Environmental Safety</i> , 2021, 215, 112130.	6.0	14
2511	Mapping genetic variability in mature miRNAs and miRNA binding sites in prostate cancer. <i>Journal of Human Genetics</i> , 2021, 66, 1127-1137.	2.3	5
2512	Semen sampling as a simple, noninvasive surrogate for prostate health screening. <i>Systems Biology in Reproductive Medicine</i> , 2021, 67, 354-365.	2.1	3
2513	LncRNA CRNDE promotes the progression and angiogenesis of pancreatic cancer via miR-451a/CDKN2D axis. <i>Translational Oncology</i> , 2021, 14, 101088.	3.7	16

#	ARTICLE	IF	CITATIONS
2515	Direct Molecular Evidence for an Ancient, Conserved Developmental Toolkit Controlling Posttranscriptional Gene Regulation in Land Plants. <i>Molecular Biology and Evolution</i> , 2021, 38, 4765-4777.	8.9	1
2516	Age-Related miRNA-Mediated Regulatory Networks Orchestrating Chronological Development of Meristems in <i>Larix Kaempferi</i> . <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2305-2318.	5.1	2
2517	MicroRNA Regulation of Bone Marrow Mesenchymal Stem Cell Chondrogenesis: Toward Articular Cartilage. <i>Tissue Engineering - Part A</i> , 2022, 28, 254-269.	3.1	7
2518	Taxallnomy: an extension of NCBI Taxonomy that produces a hierarchically complete taxonomic tree. <i>BMC Bioinformatics</i> , 2021, 22, 388.	2.6	8
2519	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.	7.0	13
2520	Profiling of Primary and Mature miRNA Expression in Atherosclerosis-Associated Cell Types. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2149-2167.	2.4	17
2521	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.	5.2	13
2522	Transcriptomic, proteomic and phosphoproteomic underpinnings of daily exercise performance and zeitgeber activity of training in mouse muscle. <i>Journal of Physiology</i> , 2022, 600, 769-796.	2.9	27
2523	Cerium Oxide Nanoparticle Administration to Skeletal Muscle Cells under Different Gravity and Radiation Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 40200-40213.	8.0	8
2524	MicroRNAs in Woody Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 686831.	3.6	11
2525	Possible connection between diet and microRNA in cancer scenario. <i>Seminars in Cancer Biology</i> , 2021, 73, 4-18.	9.6	9
2526	Single paternal dexamethasone challenge programs offspring metabolism and reveals multiple candidates in RNA-mediated inheritance. <i>IScience</i> , 2021, 24, 102870.	4.1	20
2527	Ensemble Classifiers for Multiclass MicroRNA Classification. <i>Methods in Molecular Biology</i> , 2022, 2257, 235-254.	0.9	0
2528	miR-145 as a predictive biomarker for breast cancer stemness by computational clinical investigation. <i>Computers in Biology and Medicine</i> , 2021, 135, 104601.	7.0	14
2529	Large <i>Drosophila</i> germline piRNA clusters are evolutionarily labile and dispensable for transposon regulation. <i>Molecular Cell</i> , 2021, 81, 3965-3978.e5.	9.7	50
2531	MicroRNA profile of the strobilated worms of <i>Echinococcus granulosus</i> derived from in vivo and in vitro systems by using high-throughput approach. <i>Parasitology Research</i> , 2021, 120, 3203-3214.	1.6	3
2532	Investigating the role of EGF-CFC gene family in recurrent pregnancy loss through bioinformatics and molecular approaches. <i>Systems Biology in Reproductive Medicine</i> , 2021, 67, 450-462.	2.1	1
2533	Hsa_Circ_0001947/MiR-661/DOK7 Axis Restrains Non-Small Cell Lung Cancer Development. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 1508-1518.	2.1	5

#	ARTICLE	IF	CITATIONS
2534	Identification and Characterization of Verticillium nonalfalfae-Responsive MicroRNAs in the Roots of Resistant and Susceptible Hop Cultivars. <i>Plants</i> , 2021, 10, 1883.	3.5	1
2536	Diagnostic and Prognostic Potential of MiR-379/656 MicroRNA Cluster in Molecular Subtypes of Breast Cancer. <i>Journal of Clinical Medicine</i> , 2021, 10, 4071.	2.4	3
2537	Modulation of bioelectric cues in the evolution of flying fishes. <i>Current Biology</i> , 2021, 31, 5052-5061.e8.	3.9	16
2538	The Copper-microRNA Pathway Is Integrated with Developmental and Environmental Stress Responses in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 9547.	4.1	18
2539	The genome of the naturally evolved obesity-prone Ossabaw miniature pig. <i>IScience</i> , 2021, 24, 103081.	4.1	9
2540	Differentially Regulated miRNAs and Their Related Molecular Pathways in Lichen Sclerosus. <i>Cells</i> , 2021, 10, 2291.	4.1	4
2541	Epigenetic regulation of inflammatory factors in adipose tissue. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 159019.	2.4	8
2542	Stem cell secretome, regeneration, and clinical translation: a narrative review. <i>Annals of Translational Medicine</i> , 2021, 9, 70-70.	1.7	23
2543	The Emerging Roles of Autophagy-Related MicroRNAs in Cancer. <i>International Journal of Biological Sciences</i> , 2021, 17, 134-150.	6.4	34
2544	miRNAs of Astrocyte-Derived Small Extracellular Vesicles Potentially Modulate Adult Neurogenesis Under Stress Conditions. , 2021, , 179-193.		0
2545	Genetic and Environmental Influences on Intellectual Disability in Childhood. , 2014, , 69-101.		7
2546	Next-Generation Sequencing in Cancer Epigenomics and Potential Clinical Applications. , 2013, , 31-53.		2
2547	Advances in Soybean Genomics. , 2014, , 41-72.		5
2548	AthaMap Web Tools for the Analysis of Transcriptional and Posttranscriptional Regulation of Gene Expression in <i>Arabidopsis thaliana</i> . <i>Methods in Molecular Biology</i> , 2014, 1158, 139-156.	0.9	33
2549	GENCODE Pseudogenes. <i>Methods in Molecular Biology</i> , 2014, 1167, 129-155.	0.9	29
2550	Pseudogene-Derived Endogenous siRNAs and Their Function. <i>Methods in Molecular Biology</i> , 2014, 1167, 227-239.	0.9	21
2551	Using Bioinformatics Tools to Study the Role of microRNA in Cancer. <i>Methods in Molecular Biology</i> , 2014, 1168, 99-116.	0.9	4
2552	Computational Analysis, Biochemical Purification, and Detection of tRNA-Derived Small RNA Fragments. <i>Methods in Molecular Biology</i> , 2014, 1173, 157-167.	0.9	7



#	ARTICLE	IF	CITATIONS
2553	A Guide for miRNA Target Prediction and Analysis Using Web-Based Applications. Methods in Molecular Biology, 2014, 1182, 265-277.	0.9	14
2554	miRWalk Database for miRNA-Target Interactions. Methods in Molecular Biology, 2014, 1182, 289-305.	0.9	259
2555	A Schematic Workflow for Collecting Information About the Interaction Between Copy Number Variants and MicroRNAs Using Existing Resources. Methods in Molecular Biology, 2014, 1182, 307-320.	0.9	6
2556	Comprehensive Meta-analysis of MicroRNA Expression Using a Robust Rank Aggregation Approach. Methods in Molecular Biology, 2014, 1182, 361-373.	0.9	36
2557	Sequencing Small RNA: Introduction and Data Analysis Fundamentals. Methods in Molecular Biology, 2014, 1182, 93-103.	0.9	5
2558	Measuring MicroRNA Expression in Mouse Hematopoietic Stem Cells. Methods in Molecular Biology, 2014, 1185, 121-140.	0.9	2
2559	Identification of miRNAs and Their Targets in <i>C. elegans</i> . Advances in Experimental Medicine and Biology, 2014, 825, 431-450.	1.6	8
2560	Fully Automated Fluorescence-Based Four-Color Multiplex Assay for Co-detection of MicroRNA and Protein Biomarkers in Clinical Tissue Specimens. Methods in Molecular Biology, 2014, 1211, 151-170.	0.9	13
2561	Fluorescence In Situ Hybridization for Detection of Small RNAs on Frozen Tissue Sections. Methods in Molecular Biology, 2014, 1211, 95-102.	0.9	4
2562	Roles of MicroRNAs in Cancers and Development. Methods in Molecular Biology, 2015, 1218, 375-413.	0.9	36
2563	Organism Models: Choosing the Right Model. Neuromethods, 2015, , 3-27.	0.3	2
2564	Deep Sequencing of Cardiac MicroRNA-mRNA Interactomes in Clinical and Experimental Cardiomyopathy. Methods in Molecular Biology, 2015, 1299, 27-49.	0.9	15
2565	RNA Systems Biology for Cancer: From Diagnosis to Therapy. Methods in Molecular Biology, 2016, 1386, 305-330.	0.9	1
2566	Bioinformatic Analysis of MicroRNA Sequencing Data. Methods in Molecular Biology, 2018, 1751, 109-125.	0.9	10
2567	The Use of Molecular Beacons to Detect and Quantify MicroRNA. Methods in Molecular Biology, 2013, 1039, 279-287.	0.9	17
2568	Cellular MicroRNA Sensors Based on Luciferase Reporters. Methods in Molecular Biology, 2014, 1095, 135-146.	0.9	4
2569	Detection of microRNA Maturation Using Unmodified pre-microRNA and Branched Rolling Circle Amplification. Methods in Molecular Biology, 2014, 1095, 109-119.	0.9	1
2570	Machine Learning Methods for MicroRNA Gene Prediction. Methods in Molecular Biology, 2014, 1107, 177-187.	0.9	28

#	ARTICLE	IF	CITATIONS
2571	Circulating miRNAs as Biomarker in Cancer. Recent Results in Cancer Research, 2020, 215, 277-298.	1.8	38
2572	MicroRNAs in the Tumor Microenvironment. Advances in Experimental Medicine and Biology, 2020, 1277, 1-31.	1.6	12
2573	A Network Embedding-Based Method for Predicting miRNA-Disease Associations by Integrating Multiple Information. Lecture Notes in Computer Science, 2020, , 367-377.	1.3	1
2574	The Biology of Toll-Like Receptors and NOD-Like Receptors: The Toggles of Inflammation. , 2013, , 1-25.		2
2575	Performance Comparison and Data Analysis Strategies for MicroRNA Profiling in Cancer Research. , 2015, , 239-265.		2
2576	Rare Genomic Changes. , 2017, , 195-211.		2
2577	Non-coding RNAs in Dictyostelium discoideum and Other Dictyostelid Social Amoebae. , 2013, , 109-128.		1
2578	RNAa Induced by TATA Box-Targeting MicroRNAs. Advances in Experimental Medicine and Biology, 2017, 983, 91-111.	1.6	7
2579	Non-coding RNAs in Physiological Cardiac Hypertrophy. Advances in Experimental Medicine and Biology, 2020, 1229, 149-161.	1.6	19
2580	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, .	7.1	33
2581	Genome-wide discovery of viral microRNAs based on phylogenetic analysis and structural evolution of various human papillomavirus subtypes. Briefings in Bioinformatics, 2018, 19, 1102-1114.	6.5	11
2582	Putative roles as oncogene or tumour suppressor of the Mid-clustered microRNAs in Gallid alphaherpesvirus 2 (GaHV2) induced Marek's disease lymphomagenesis. Journal of General Virology, 2017, 98, 1097-1112.	2.9	23
2602	Breast Cancer MicroRNAs. , 2013, , 1-43.		1
2603	Neev, a novel long non-coding RNA, is expressed in chaetoblasts during regeneration of Eisenia fetida. Journal of Experimental Biology, 2020, 223, .	1.7	2
2604	Mapping of microRNAs related to cervical cancer in Latin American human genomic variants. F1000Research, 0, 6, 946.	1.6	3
2605	RNA-seq Using Next Generation Sequencing. Materials and Methods, 0, 3, .	0.0	18
2606	PBMDA: A novel and effective path-based computational model for miRNA-disease association prediction. PLoS Computational Biology, 2017, 13, e1005455.	3.2	387
2607	Transcriptome Analysis of Targeted Mouse Mutations Reveals the Topography of Local Changes in Gene Expression. PLoS Genetics, 2016, 12, e1005691.	3.5	28

#	ARTICLE	IF	CITATIONS
2608	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.	3.5	25
2609	The Short Non-Coding Transcriptome of the Protozoan Parasite <i>Trypanosoma cruzi</i> . <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1283.	3.0	35
2610	Co-Expression of Host and Viral MicroRNAs in Porcine Dendritic Cells Infected by the Pseudorabies Virus. <i>PLoS ONE</i> , 2011, 6, e17374.	2.5	40
2611	Impact of Host Genes and Strand Selection on miRNA and miRNA* Expression. <i>PLoS ONE</i> , 2011, 6, e23854.	2.5	37
2612	Microarray-Based Transcriptomic Analysis of Differences between Long-Term Gregarious and Solitary Desert Locusts. <i>PLoS ONE</i> , 2011, 6, e28110.	2.5	36
2613	Identification of Mouse Serum miRNA Endogenous References by Global Gene Expression Profiles. <i>PLoS ONE</i> , 2012, 7, e31278.	2.5	39
2614	Discovering Dysfunction of Multiple MicroRNAs Cooperation in Disease by a Conserved MicroRNA Co-Expression Network. <i>PLoS ONE</i> , 2012, 7, e32201.	2.5	34
2615	MicroRNA Genes and Their Target 3'UTR-Regions Are Infrequently Somatic Mutated in Ovarian Cancers. <i>PLoS ONE</i> , 2012, 7, e35805.	2.5	27
2616	Postprandial Regulation of Hepatic MicroRNAs Predicted to Target the Insulin Pathway in Rainbow Trout. <i>PLoS ONE</i> , 2012, 7, e38604.	2.5	86
2617	miRNA Expression Profiling in Migrating Glioblastoma Cells: Regulation of Cell Migration and Invasion by miR-23b via Targeting of Pyk2. <i>PLoS ONE</i> , 2012, 7, e39818.	2.5	55
2618	POWRS: Position-Sensitive Motif Discovery. <i>PLoS ONE</i> , 2012, 7, e40373.	2.5	9
2619	Sorting the Wheat from the Chaff: Identifying miRNAs in Genomic Survey Sequences of <i>Triticum aestivum</i> Chromosome 1AL. <i>PLoS ONE</i> , 2012, 7, e40859.	2.5	64
2620	Role of MicroRNA-182 in Posterior Uveal Melanoma: Regulation of Tumor Development through MITE, BCL2 and Cyclin D2. <i>PLoS ONE</i> , 2012, 7, e40967.	2.5	99
2621	Deregulation of Type I IFN-Dependent Genes Correlates with Increased Susceptibility to Cytomegalovirus Acute Infection of Dicer Mutant Mice. <i>PLoS ONE</i> , 2012, 7, e43744.	2.5	29
2622	Identification of Conserved and Novel microRNAs from <i>Liriodendron chinense</i> Floral Tissues. <i>PLoS ONE</i> , 2012, 7, e44696.	2.5	15
2623	Seed-Milarity Confers to hsa-miR-210 and hsa-miR-147b Similar Functional Activity. <i>PLoS ONE</i> , 2012, 7, e44919.	2.5	33
2624	Systematic Analysis of microRNA Targeting Impacted by Small Insertions and Deletions in Human Genome. <i>PLoS ONE</i> , 2012, 7, e46176.	2.5	18
2625	miRNA Regulons Associated with Synaptic Function. <i>PLoS ONE</i> , 2012, 7, e46189.	2.5	39

#	ARTICLE	IF	CITATIONS
2626	Identification of Novel <i>Oryza sativa</i> miRNAs in Deep Sequencing-Based Small RNA Libraries of Rice Infected with Rice Stripe Virus. PLoS ONE, 2012, 7, e46443.	2.5	45
2627	Integrative Analysis of Somatic Mutations Altering MicroRNA Targeting in Cancer Genomes. PLoS ONE, 2012, 7, e47137.	2.5	37
2628	Bioinformatic Analysis of Epigenetic and MicroRNA Mediated Regulation of Drought Responsive Genes in Rice. PLoS ONE, 2012, 7, e49331.	2.5	41
2629	Identification of Novel and Differentially Expressed MicroRNAs of Dairy Goat Mammary Gland Tissues Using Solexa Sequencing and Bioinformatics. PLoS ONE, 2012, 7, e49463.	2.5	70
2630	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.	2.5	74
2631	Genome-Wide Identification of miRNAs Responsive to Drought in Peach ( <i>Prunus persica</i> ) by High-Throughput Deep Sequencing. PLoS ONE, 2012, 7, e50298.	2.5	169
2632	Evidence for Small RNAs Homologous to Effector-Encoding Genes and Transposable Elements in the Oomycete <i>Phytophthora infestans</i> . PLoS ONE, 2012, 7, e51399.	2.5	79
2633	Multi-Platform Analysis of MicroRNA Expression Measurements in RNA from Fresh Frozen and FFPE Tissues. PLoS ONE, 2013, 8, e52517.	2.5	99
2634	Systematic Transcriptome Wide Analysis of lncRNA-miRNA Interactions. PLoS ONE, 2013, 8, e53823.	2.5	402
2635	Deep Sequencing of Maize Small RNAs Reveals a Diverse Set of MicroRNA in Dry and Imbibed Seeds. PLoS ONE, 2013, 8, e55107.	2.5	73
2636	The miRNA Profile of Human Pancreatic Islets and Beta-Cells and Relationship to Type 2 Diabetes Pathogenesis. PLoS ONE, 2013, 8, e55272.	2.5	178
2637	miRNA Expression Profile Analysis in Kidney of Different Porcine Breeds. PLoS ONE, 2013, 8, e55402.	2.5	23
2638	Identification and Characterization of miRNA Transcriptome in Potato by High-Throughput Sequencing. PLoS ONE, 2013, 8, e57233.	2.5	119
2639	Prognostic Role of MicroRNA-181a/b in Hematological Malignancies: A Meta-Analysis. PLoS ONE, 2013, 8, e59532.	2.5	44
2640	Alternative Processing of the U2 Small Nuclear RNA Produces a 19â€22nt Fragment with Relevance for the Detection of Non-Small Cell Lung Cancer in Human Serum. PLoS ONE, 2013, 8, e60134.	2.5	33
2641	miRNA Biogenesis Enzyme Drosha Is Required for Vascular Smooth Muscle Cell Survival. PLoS ONE, 2013, 8, e60888.	2.5	31
2642	MicroRNA-449a Enhances Radiosensitivity in CL1-0 Lung Adenocarcinoma Cells. PLoS ONE, 2013, 8, e62383.	2.5	40
2643	PEpiD: A Prostate Epigenetic Database in Mammals. PLoS ONE, 2013, 8, e64289.	2.5	11

#	ARTICLE	IF	CITATIONS
2644	Genome-Wide and Species-Wide In Silico Screening for Intragenic MicroRNAs in Human, Mouse and Chicken. PLoS ONE, 2013, 8, e65165.	2.5	70
2645	Phytoplasma-Responsive microRNAs Modulate Hormonal, Nutritional, and Stress Signalling Pathways in Mexican Lime Trees. PLoS ONE, 2013, 8, e66372.	2.5	61
2646	miReader: Discovering Novel miRNAs in Species without Sequenced Genome. PLoS ONE, 2013, 8, e66857.	2.5	37
2647	Large-Scale Screens of miRNA-mRNA Interactions Unveiled That the 3'UTR of a Gene Is Targeted by Multiple miRNAs. PLoS ONE, 2013, 8, e68204.	2.5	57
2648	Comprehensive microRNA Analysis Identifies miR-24 and miR-125a-5p as Plasma Biomarkers for Rheumatoid Arthritis. PLoS ONE, 2013, 8, e69118.	2.5	148
2649	Transcriptome-Wide Identification and Characterization of MicroRNAs from Castor Bean (Ricinus Tj ETQq1 1 0.784314 rgBT /Overload	2.5	28
2650	Sequencing and Characterisation of an Extensive Atlantic Salmon (Salmo salar L.) MicroRNA Repertoire. PLoS ONE, 2013, 8, e70136.	2.5	29
2651	Beta Cell 5'2-Shifted isomiRs Are Candidate Regulatory Hubs in Type 2 Diabetes. PLoS ONE, 2013, 8, e73240.	2.5	85
2652	Relationship between Differential Hepatic microRNA Expression and Decreased Hepatic Cytochrome P450 3A Activity in Cirrhosis. PLoS ONE, 2013, 8, e74471.	2.5	37
2653	Partially Penetrant Postnatal Lethality of an Epithelial Specific MicroRNA in a Mouse Knockout. PLoS ONE, 2013, 8, e76634.	2.5	16
2654	Comprehensive Analysis of Single Nucleotide Polymorphisms in Human MicroRNAs. PLoS ONE, 2013, 8, e78028.	2.5	44
2655	CNVs-microRNAs Interactions Demonstrate Unique Characteristics in the Human Genome. An Interspecies in silico Analysis. PLoS ONE, 2013, 8, e81204.	2.5	15
2656	Differentially Expressed Transcripts and Dysregulated Signaling Pathways and Networks in African American Breast Cancer. PLoS ONE, 2013, 8, e82460.	2.5	77
2657	A Coregulatory Network of NR2F1 and microRNA-140. PLoS ONE, 2013, 8, e83358.	2.5	11
2658	Systems and Evolutionary Characterization of MicroRNAs and Their Underlying Regulatory Networks in Soybean Cotyledons. PLoS ONE, 2014, 9, e86153.	2.5	37
2659	Tomato Genomic Resources Database: An Integrated Repository of Useful Tomato Genomic Information for Basic and Applied Research. PLoS ONE, 2014, 9, e86387.	2.5	44
2660	Multiple Tumor Suppressor microRNAs Regulate Telomerase and TCF7, an Important Transcriptional Regulator of the Wnt Pathway. PLoS ONE, 2014, 9, e86990.	2.5	64
2661	Stability Indicators in Network Reconstruction. PLoS ONE, 2014, 9, e89815.	2.5	20

#	ARTICLE	IF	CITATIONS
2662	Identification of MicroRNAs in the Coral <i>Stylophora pistillata</i> . PLoS ONE, 2014, 9, e91101.	2.5	49
2663	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.	2.5	40
2664	Identification and Characterization of MicroRNAs in Normal Equine Tissues by Next Generation Sequencing. PLoS ONE, 2014, 9, e93662.	2.5	25
2665	The Effect of Exposure to a High-Fat Diet on MicroRNA Expression in the Liver of Blunt Snout Bream ( <i>Megalobrama amblycephala</i> ). PLoS ONE, 2014, 9, e96132.	2.5	41
2666	The Analysis of the Inflorescence miRNome of the Orchid <i>Orchis italica</i> Reveals a DEF-Like MADS-Box Gene as a New miRNA Target. PLoS ONE, 2014, 9, e97839.	2.5	41
2667	Integrated Multidimensional Analysis Is Required for Accurate Prognostic Biomarkers in Colorectal Cancer. PLoS ONE, 2014, 9, e101065.	2.5	12
2668	Blood Born miRNAs Signatures that Can Serve as Disease Specific Biomarkers Are Not Significantly Affected by Overall Fitness and Exercise. PLoS ONE, 2014, 9, e102183.	2.5	21
2669	A Tri-Component Conservation Strategy Reveals Highly Confident MicroRNA-mRNA Interactions and Evolution of MicroRNA Regulatory Networks. PLoS ONE, 2014, 9, e103142.	2.5	3
2670	Small RNA Profile in Moso Bamboo Root and Leaf Obtained by High Definition Adapters. PLoS ONE, 2014, 9, e103590.	2.5	16
2671	Identification of Conserved and Novel MicroRNAs in the Pacific Oyster <i>Crassostrea gigas</i> by Deep Sequencing. PLoS ONE, 2014, 9, e104371.	2.5	33
2672	Identifying a Polymorphic "Switch"™ That Influences miRNAs' Regulation of a Myasthenia Gravis Risk Pathway. PLoS ONE, 2014, 9, e104827.	2.5	8
2673	RNA Expression Profiling of Human iPSC-Derived Cardiomyocytes in a Cardiac Hypertrophy Model. PLoS ONE, 2014, 9, e108051.	2.5	51
2674	Genome-Wide Association Study Identifies Phospholipase C zeta 1 (PLCz1) as a Stallion Fertility Locus in Hanoverian Warmblood Horses. PLoS ONE, 2014, 9, e109675.	2.5	21
2675	Integrated microRNA and mRNA Transcriptome Sequencing Reveals the Potential Roles of miRNAs in Stage I Endometrioid Endometrial Carcinoma. PLoS ONE, 2014, 9, e110163.	2.5	36
2676	High-Throughput Sequencing Approach Uncovers the miRNome of Peritoneal Endometriotic Lesions and Adjacent Healthy Tissues. PLoS ONE, 2014, 9, e112630.	2.5	40
2677	Selective MicroRNA-Offset RNA Expression in Human Embryonic Stem Cells. PLoS ONE, 2015, 10, e0116668.	2.5	25
2678	Identification of Novel miRNAs and miRNA Expression Profiling in Wheat Hybrid Necrosis. PLoS ONE, 2015, 10, e0117507.	2.5	26
2679	Identification of Real MicroRNA Precursors with a Pseudo Structure Status Composition Approach. PLoS ONE, 2015, 10, e0121501.	2.5	193

#	ARTICLE	IF	CITATIONS
2680	Population Genomic Analysis of 962 Whole Genome Sequences of Humans Reveals Natural Selection in Non-Coding Regions. PLoS ONE, 2015, 10, e0121644.	2.5	13
2681	Identification and Characterization of MicroRNAs in Ginkgo biloba var. epiphylla Mak. PLoS ONE, 2015, 10, e0127184.	2.5	37
2682	A Null Model for Pearson Coexpression Networks. PLoS ONE, 2015, 10, e0128115.	2.5	7
2683	MicroRNA and Transcription Factor Mediated Regulatory Network Analysis Reveals Critical Regulators and Regulatory Modules in Myocardial Infarction. PLoS ONE, 2015, 10, e0135339.	2.5	31
2684	Identification of Novel and Conserved microRNAs in Homalodisca vitripennis, the Glassy-Winged Sharpshooter by Expression Profiling. PLoS ONE, 2015, 10, e0139771.	2.5	4
2685	A Diversity of Conserved and Novel Ovarian MicroRNAs in the Speckled Wood (Pararge aegeria). PLoS ONE, 2015, 10, e0142243.	2.5	21
2686	MicroRNA Profiles in Spontaneous Decidualized Menstrual Endometrium and Early Pregnancy Decidua with Successfully Implanted Embryos. PLoS ONE, 2016, 11, e0143116.	2.5	21
2687	Towards Clinical Applications of Blood-Borne miRNA Signatures: The Influence of the Anticoagulant EDTA on miRNA Abundance. PLoS ONE, 2015, 10, e0143321.	2.5	23
2688	A pH Sensitive High-Throughput Assay for miRNA Binding of a Peptide-Aminoglycoside (PA) Library. PLoS ONE, 2015, 10, e0144251.	2.5	16
2689	Transcriptome Analysis of Honeybee (Apis Mellifera) Haploid and Diploid Embryos Reveals Early Zygotic Transcription during Cleavage. PLoS ONE, 2016, 11, e0146447.	2.5	43
2690	miRNA Repertoires of Demosponges Stylissa carteri and Xestospongia testudinaria. PLoS ONE, 2016, 11, e0149080.	2.5	12
2691	MicroRNA-194 Modulates Glucose Metabolism and Its Skeletal Muscle Expression Is Reduced in Diabetes. PLoS ONE, 2016, 11, e0155108.	2.5	58
2692	Transcriptome and Degradome of microRNAs and Their Targets in Response to Drought Stress in the Plants of a Diploid and Its Autotetraploid Paulownia australis. PLoS ONE, 2016, 11, e0158750.	2.5	9
2693	Identification of Known and Novel microRNAs and Their Targets in Peach (Prunus persica) Fruit by High-Throughput Sequencing. PLoS ONE, 2016, 11, e0159253.	2.5	17
2694	Identification of miRNAs Potentially Involved in Bronchiolitis Obliterans Syndrome: A Computational Study. PLoS ONE, 2016, 11, e0161771.	2.5	6
2695	Responses of Bovine Innate Immunity to Mycobacterium avium subsp. paratuberculosis Infection Revealed by Changes in Gene Expression and Levels of MicroRNA. PLoS ONE, 2016, 11, e0164461.	2.5	50
2696	Discriminative Prediction of A-To-I RNA Editing Events from DNA Sequence. PLoS ONE, 2016, 11, e0164962.	2.5	7
2697	Identification and Expression Profiling of miRNAome in Goat longissimus dorsi Muscle from Prenatal Stages to a Neonatal Stage. PLoS ONE, 2016, 11, e0165764.	2.5	39



#	ARTICLE	IF	CITATIONS
2698	Small RNA Library Preparation Method for Next-Generation Sequencing Using Chemical Modifications to Prevent Adapter Dimer Formation. PLoS ONE, 2016, 11, e0167009.	2.5	45
2699	Changes of Ovarian microRNA Profile in Long-Living Ames Dwarf Mice during Aging. PLoS ONE, 2017, 12, e0169213.	2.5	23
2700	The microRNA repertoire of Tibetan naked carp <i>Gymnocypris przewalskii</i> : A case study in Schizothoracinae fish on the Tibetan Plateau. PLoS ONE, 2017, 12, e0174534.	2.5	15
2701	Genome-wide identification and characterization of miRNAome from tomato ( <i>Solanum lycopersicum</i> ) roots and root-knot nematode ( <i>Meloidogyne incognita</i> ) during susceptible interaction. PLoS ONE, 2017, 12, e0175178.	2.5	42
2702	Global gene expression profiling related to temperature-sensitive growth abnormalities in interspecific crosses between tetraploid wheat and <i>Aegilops tauschii</i> . PLoS ONE, 2017, 12, e0176497.	2.5	4
2703	Evolution of microRNA in primates. PLoS ONE, 2017, 12, e0176596.	2.5	34
2704	Transcriptome-microRNA analysis of <i>Sarcoptes scabiei</i> and host immune response. PLoS ONE, 2017, 12, e0177733.	2.5	25
2705	The use of high-throughput small RNA sequencing reveals differentially expressed microRNAs in response to aster yellows phytoplasma-infection in <i>Vitis vinifera</i> cv. "Chardonnay". PLoS ONE, 2017, 12, e0182629.	2.5	40
2706	Identification of protoplast-isolation responsive microRNAs in <i>Citrus reticulata</i> Blanco by high-throughput sequencing. PLoS ONE, 2017, 12, e0183524.	2.5	3
2707	Circulating miRNAs, isomiRs and small RNA clusters in human plasma and breast milk. PLoS ONE, 2018, 13, e0193527.	2.5	51
2708	Comprehensive analysis of small RNAs expressed in developing male strobili of <i>Cryptomeria japonica</i> . PLoS ONE, 2018, 13, e0193665.	2.5	14
2709	Repertoire of noncoding RNAs in corpus luteum of early pregnancy in buffalo ( <i>Bubalus bubalis</i> ). Veterinary World, 2017, 10, 1129-1134.	1.7	5
2710	miRNA array analysis determines miR-205 is overexpressed in head and neck squamous cell carcinoma and enhances cellular proliferation. Journal of Cancer Research & Therapy, 2013, 1, 153-162.	0.1	3
2711	Data integration of 104 studies related with microRNA epigenetics revealed that miR-34 gene family is silenced by DNA methylation in the highest number of cancer types. Discoveries, 2014, 2, e18.	2.3	9
2712	Temporal and Spatial Expression Patterns of miR-302 and miR-367 During Early Embryonic Chick Development. International Journal of Stem Cells, 2014, 7, 162-166.	1.8	6
2713	HITS-CLIP and PAR-CLIP Advance Viral MiRNA Targetome Analysis. Critical Reviews in Eukaryotic Gene Expression, 2014, 24, 101-116.	0.9	23
2714	MicroRNA-34a promoting apoptosis of human lens epithelial cells through down-regulation of B-cell lymphoma-2 and silent information regulator. International Journal of Ophthalmology, 2016, 9, 1555-1560.	1.1	21
2715	miRNA-145/miRNA-205 inhibits proliferation and invasion of uveal melanoma cells by targeting NPR1/CDC42. International Journal of Ophthalmology, 2020, 13, 718-724.	1.1	16

#	ARTICLE	IF	CITATIONS
2716	Developmental changes in barley microRNA expression profiles coupled with miRNA targets analysis.. Acta Biochimica Polonica, 2017, 63, 799-809.	0.5	11
2717	Identification of microRNAs dysregulated in cellular senescence driven by endogenous genotoxic stress. Aging, 2013, 5, 460-473.	3.1	42
2718	A serum miRNA profile of human longevity: findings from the Baltimore Longitudinal Study of Aging (BLSA). Aging, 2016, 8, 2971-2987.	3.1	60
2719	SPARC overexpression alters microRNA expression profiles involved in tumor progression. Genes and Cancer, 2017, 8, 453-471.	1.9	8
2720	miR-223 increases gallbladder cancer cell sensitivity to docetaxel by downregulating STMN1. Oncotarget, 2016, 7, 62364-62376.	1.8	19
2721	Improved method for prioritization of disease associated lncRNAs based on ceRNA theory and functional genomics data. Oncotarget, 2017, 8, 4642-4655.	1.8	20
2722	Identification and characterization of L1-specific endo-siRNAs essential for early embryonic development in pig. Oncotarget, 2017, 8, 23167-23176.	1.8	10
2723	Next-generation sequencing reveals microRNA markers of adrenocortical tumors malignancy. Oncotarget, 2017, 8, 49191-49200.	1.8	34
2724	EPMDA: an expression-profile based computational model for microRNA-disease association prediction. Oncotarget, 2017, 8, 87033-87043.	1.8	12
2725	Noncoding RNA in drug resistant sarcoma. Oncotarget, 2017, 8, 69086-69104.	1.8	16
2726	Plasma exosome miR-196a and miR-1246 are potential indicators of localized pancreatic cancer. Oncotarget, 2017, 8, 77028-77040.	1.8	139
2727	Protein-coding genes, long non-coding RNAs combined with microRNAs as a novel clinical multi-dimension transcriptome signature to predict prognosis in ovarian cancer. Oncotarget, 2017, 8, 72847-72859.	1.8	11
2728	A tRNA fragment, tRF5-Glu, regulates BCAR3 expression and proliferation in ovarian cancer cells. Oncotarget, 2017, 8, 95377-95391.	1.8	75
2729	MicroRNA co-expression networks exhibit increased complexity in pancreatic ductal compared to Vater's papilla adenocarcinoma. Oncotarget, 2017, 8, 105320-105339.	1.8	9
2730	IsomiR expression profiles in human lymphoblastoid cell lines exhibit population and gender dependencies. Oncotarget, 2014, 5, 8790-8802.	1.8	103
2731	What makes a blood cell based miRNA expression pattern disease specific? - A miRNome analysis of blood cell subsets in lung cancer patients and healthy controls. Oncotarget, 2014, 5, 9484-9497.	1.8	54
2732	miR-125a-5p is a prognostic biomarker that targets HDAC4 to suppress breast tumorigenesis. Oncotarget, 2015, 6, 494-509.	1.8	84
2733	The microRNA feedback regulation of p63 in cancer progression. Oncotarget, 2015, 6, 8434-8453.	1.8	33

#	ARTICLE	IF	CITATIONS
2734	MicroRNA analysis suggests an additional level of feedback regulation in the NF- $\kappa$ B signaling cascade. <i>Oncotarget</i> , 2015, 6, 17097-17106.	1.8	20
2735	C/D-box snoRNA-derived RNA production is associated with malignant transformation and metastatic progression in prostate cancer. <i>Oncotarget</i> , 2015, 6, 17430-17444.	1.8	80
2736	Subpathway-GMir: identifying miRNA-mediated metabolic subpathways by integrating condition-specific genes, microRNAs, and pathway topologies. <i>Oncotarget</i> , 2015, 6, 39151-39164.	1.8	33
2737	MicroRNA-584-3p, a novel tumor suppressor and prognostic marker, reduces the migration and invasion of human glioma cells by targeting hypoxia-induced ROCK1. <i>Oncotarget</i> , 2016, 7, 4785-4805.	1.8	36
2738	Long non-coding RNA containing ultraconserved genomic region 8 promotes bladder cancer tumorigenesis. <i>Oncotarget</i> , 2016, 7, 20636-20654.	1.8	66
2739	Dissecting dysfunctional crosstalk pathways regulated by miRNAs during glioma progression. <i>Oncotarget</i> , 2016, 7, 25769-25782.	1.8	7
2740	Can the microRNA expression profile help to identify novel targets for zoledronic acid in breast cancer?. <i>Oncotarget</i> , 2016, 7, 29321-29332.	1.8	23
2741	Post-transcriptional knowledge in pathway analysis increases the accuracy of phenotypes classification. <i>Oncotarget</i> , 2016, 7, 54572-54582.	1.8	43
2742	Overview of gene structure in <i>C. elegans</i> . <i>WormBook</i> , 2014, , 1-18.	5.3	21
2744	MicroRNAs in nasopharyngeal carcinoma. <i>Chinese Clinical Oncology</i> , 2016, 5, 17-17.	1.2	47
2745	Molecular Imaging Strategies for In Vivo Tracking of MicroRNAs: A Comprehensive Review. <i>Current Medicinal Chemistry</i> , 2013, 20, 3594-3603.	2.4	30
2746	Anesthetic-induced Myocardial Conditioning: Molecular Fundamentals and Scope. <i>Current Medicinal Chemistry</i> , 2020, 27, 2147-2160.	2.4	5
2747	Comparative Analysis of RNAi Screening Technologies at Genome-Scale Reveals an Inherent Processing Inefficiency of the Plasmid-Based shRNA Hairpin. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2014, 17, 98-113.	1.1	6
2748	Epigenetic Effects of Cadmium in Cancer: Focus on Melanoma. <i>Current Genomics</i> , 2015, 15, 420-435.	1.6	27
2749	IMPMD: An Integrated Method for Predicting Potential Associations Between miRNAs and Diseases. <i>Current Genomics</i> , 2020, 20, 581-591.	1.6	2
2750	Pluripotent Stem Cell-Derived Somatic Stem Cells as Tool to Study the Role of MicroRNAs in Early Human Neural Development. <i>Current Molecular Medicine</i> , 2013, 13, 707-722.	1.3	34
2751	Down-Regulation of Mir-107 Worsen Spatial Memory by Suppressing SYK Expression and Inactivating NF- $\kappa$ B Signaling Pathway. <i>Current Alzheimer Research</i> , 2019, 16, 135-145.	1.4	14
2752	Is the Hepatic Factor a miRNA that Maintains the Integrity of Pulmonary Microvasculature by Inhibiting the Vascular Endothelial Growth Factor?. <i>Current Cardiology Reviews</i> , 2017, 13, 244-250.	1.5	10

#	ARTICLE	IF	CITATIONS
2753	Integrated In-silico Analysis to Study the Role of microRNAs in the Detection of Chronic Kidney Diseases. <i>Current Bioinformatics</i> , 2020, 15, 144-154.	1.5	10
2754	Computational Tools for Genome-Wide miRNA Prediction and Study. <i>The Open Biology Journal</i> , 2012, 5, 23-30.	0.5	3
2755	Role of MicroRNAs in Fibrosis. <i>Open Rheumatology Journal</i> , 2012, 6, 130-139.	0.2	144
2756	The microRNA Transcriptome of Human Cytomegalovirus (HCMV). <i>The Open Virology Journal</i> , 2012, 6, 38-48.	1.8	36
2757	Translating Cancer Biomarker Discoveries to Clinical Tests: What should be Considered?. <i>Recent Patents on Biomarkers</i> , 2011, 1, 222-240.	0.2	5
2758	Aberrant Expression of MicroRNAs in B-cell Lymphomas. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2016, 5, 87-105.	1.2	5
2759	Arsenic-exposed Keratinocytes Exhibit Differential microRNAs Expression Profile; Potential Implication of miR-21, miR-200a and miR-141 in Melanoma Pathway. <i>Clinical Cancer Drugs</i> , 2015, 2, 138-147.	0.3	37
2760	Analysis of the miRNA Profiles of Melanoma Exosomes Derived Under Normoxic and Hypoxic Culture Conditions. <i>Anticancer Research</i> , 2017, 37, 6779-6789.	1.1	29
2761	Scenario and future prospects of microRNAs in gastric cancer: A review. <i>Iranian Journal of Basic Medical Sciences</i> , 2019, 22, 345-352.	1.0	14
2762	Small RNA-Seq reveals novel miRNAs shaping the transcriptomic identity of rat brain structures. <i>Life Science Alliance</i> , 2018, 1, e201800018.	2.8	6
2763	MicroRNAs in the kidney: novel biomarkers of acute kidney injury. <i>Nefrologia</i> , 2013, 33, 826-34.	0.4	35
2764	MicroRNA dysregulation in spinal cord injury: causes, consequences and therapeutics. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 53.	3.7	107
2765	isomiRsâ€œHidden Soldiers in the miRNA Regulatory Army, and How to Find Them?. <i>Biomolecules</i> , 2021, 11, 41.	4.0	13
2766	DIANA-mAP: Analyzing miRNA from Raw NGS Data to Quantification. <i>Genes</i> , 2021, 12, 46.	2.4	9
2770	Genetic and epigenetic variants influencing the development of nonalcoholic fatty liver disease. <i>World Journal of Gastroenterology</i> , 2012, 18, 6546.	3.3	73
2771	MicroRNAs: Promising chemoresistance biomarkers in gastric cancer with diagnostic and therapeutic potential. <i>World Journal of Gastroenterology</i> , 2014, 20, 13658.	3.3	32
2772	MiR-451 inhibits proliferation of esophageal carcinoma cell line EC9706 by targeting CDKN2D and MAP3K1. <i>World Journal of Gastroenterology</i> , 2015, 21, 5867-5876.	3.3	36
2773	MicroRNAâ€œ140â€œ5p regulates the proliferation, apoptosis and inflammation of RA FLSs by repressing STAT3. <i>Experimental and Therapeutic Medicine</i> , 2020, 21, 171.	1.8	14

#	ARTICLE	IF	CITATIONS
2774	Global pathway view analysis of microRNA clusters in myasthenia gravis. <i>Molecular Medicine Reports</i> , 2019, 19, 2350-2360.	2.4	3
2775	Long non-coding RNA transcribed from pseudogene PPIAP43 is associated with radiation sensitivity of small cell lung cancer cells. <i>Oncology Letters</i> , 2019, 18, 4583-4592.	1.8	6
2776	Identification of conserved miRNA molecules in einkorn wheat ( <i>Triticum monococcum</i> subsp.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 662	0.8	8
2777	Plant microRNAs: new players in functional genomics. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 0, , .	2.1	13
2778	PremipreD: Precursor miRNA Prediction by Support Vector Machine Approach. <i>Trends in Bioinformatics</i> , 2018, 11, 17-24.	0.3	3
2779	microRNAs and ceRNAs: RNA networks in pathogenesis of cancer. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association</i> , Beijing Institute for Cancer Research, 2013, 25, 235-9.	2.2	63
2780	Statistical strategies for microRNAseq batch effect reduction. <i>Translational Cancer Research</i> , 2014, 3, 260-265.	1.0	19
2781	Functional Annotation of Metastasis-associated MicroRNAs of Melanoma. <i>Chinese Medical Journal</i> , 2016, 129, 2484-2490.	2.3	15
2782	Challenges in microRNAs™ targetome prediction and validation. <i>Neural Regeneration Research</i> , 2019, 14, 1672.	3.0	15
2783	Positive-Negative Feedback Loop between Mir-197 and IL-17A Signaling in Human Keratinocytes. <i>Immunome Research</i> , 2016, 12, .	0.1	5
2784	Lessons from microRNA Sequencing Using Illumina Technology. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2016, 07, 319-328.	0.7	18
2785	Diagnostic and prognostic value of plasma level of microRNA-92a in acute myeloid leukemia. <i>American Journal of Molecular Biology</i> , 2014, 04, 1-10.	0.3	4
2786	Sequence Motif-Based One-Class Classifiers Can Achieve Comparable Accuracy to Two-Class Learners for Plant microRNA Detection. <i>Journal of Biomedical Science and Engineering</i> , 2015, 08, 684-694.	0.4	13
2787	Accurate Plant MicroRNA Prediction Can Be Achieved Using Sequence Motif Features. <i>Journal of Intelligent Learning Systems and Applications</i> , 2016, 08, 9-22.	0.5	8
2788	Circulating miR-125b as a biomarker of Ewing's sarcoma in Chinese children. <i>Genetics and Molecular Research</i> , 2015, 14, 19049-19056.	0.2	22
2789	Insights for hepatitis C virus related hepatocellular carcinoma genetic biomarkers: Early diagnosis and therapeutic intervention. <i>World Journal of Hepatology</i> , 2016, 8, 1251.	2.0	8
2790	Different MicroRNA Expression Levels in Gastric Cancer Depending on <i>Helicobacter pylori</i> Infection. <i>Gut and Liver</i> , 2015, 9, 188-196.	2.9	76
2791	Insilico profiling of microRNAs in Korean ginseng ( <i>Panax ginseng</i> Meyer). <i>Journal of Ginseng Research</i> , 2013, 37, 227-247.	5.7	32

#	ARTICLE	IF	CITATIONS
2792	The microRNA gene <i>bta-mir-2313</i> in cattle: an atlas of regulatory elements and an association analysis with growth and carcass traits in the Slovenian Simmental cattle breed. <i>Archives Animal Breeding</i> , 2018, 61, 271-278.	1.4	2
2793	Comparative miRNAome Analysis Revealed Numerous Conserved and Novel Drought Responsive miRNAs in Cotton ( <i>Gossypium</i> spp.). <i>Cotton Genomics and Genetics</i> , 0, , .	0.0	1
2794	MicroRNAs regulate granulosa cells apoptosis and follicular development – A review. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 1714-1724.	2.4	9
2795	Identification and Function Prediction of Novel MicroRNAs in Laoshan Dairy Goats. <i>Asian-Australasian Journal of Animal Sciences</i> , 2013, 26, 309-315.	2.4	11
2796	Genome-Wide Identification of Estrogen Receptor Alpha Regulated miRNAs Using Transcription Factor Binding Data. , 0, , .		1
2797	Cancer Gene Therapy: The New Targeting Challenge. , 0, , .		2
2798	Abiotic Stress - Plant Responses and Applications in Agriculture. , 2013, , .		54
2799	Network Graph Analysis of Gene-Gene Interactions in Genome-Wide Association Study Data. <i>Genomics and Informatics</i> , 2012, 10, 256.	0.8	7
2800	Computational identification and characterization of putative miRNAs in <i>Heliothis virescens</i> . <i>Bioinformation</i> , 2013, 9, 79-83.	0.5	16
2801	MicroRNA Expression Profile Analysis Reveals Diagnostic Biomarker for Human Prostate Cancer. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 3313-3317.	1.2	19
2802	Networks of MicroRNAs and Genes in Retinoblastomas. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 6631-6636.	1.2	9
2803	Evolution of the Mir-155 Family and Possible Targets in Cancers and the Immune System. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 7547-7552.	1.2	6
2804	Association of a Pre-miR-27a Polymorphism with Cancer Risk: an Updated Meta-analysis. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 15, 10107-10114.	1.2	11
2805	Systematical Analysis of Cutaneous Squamous Cell Carcinoma Network of microRNAs, Transcription Factors, and Target and Host Genes. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 15, 10355-10361.	1.2	4
2806	Network Analysis of microRNAs, Genes and their Regulation in Mantle Cell Lymphoma. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 457-463.	1.2	3
2807	Regulatory Network of MicroRNAs, Target Genes, Transcription Factors and Host Genes in Endometrial Cancer. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 475-483.	1.2	2
2808	Regulatory Network of MicroRNAs, Host Genes, Target Genes and Transcription Factors in Human Esophageal Squamous Cell Carcinoma. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 3677-3683.	1.2	1
2809	A deletion polymorphism in the <i>Caenorhabditis elegans</i> RIG-I homolog disables viral RNA dicing and antiviral immunity. <i>ELife</i> , 2013, 2, e00994.	6.0	156

#	ARTICLE	IF	CITATIONS
2810	Integrating multiple microarray dataset analysis and machine learning methods to reveal the key genes and regulatory mechanisms underlying human intervertebral disc degeneration. PeerJ, 2020, 8, e10120.	2.0	7
2811	Construction of microRNA functional families by a mixture model of position weight matrices. PeerJ, 2013, 1, e199.	2.0	6
2812	The impact of feature selection on one and two-class classification performance for plant microRNAs. PeerJ, 2016, 4, e2135.	2.0	12
2813	Integrative analysis of microRNA and mRNA expression profiles in fetal rat model with anorectal malformation. PeerJ, 2018, 6, e5774.	2.0	3
2814	MicroRNA profiling of mouse liver in response to DENV-1 infection by deep sequencing. PeerJ, 2019, 7, e6697.	2.0	6
2815	Post-transcriptional regulation of several biological processes involved in latex production in <i>Hevea brasiliensis</i> . PeerJ, 2020, 8, e8932.	2.0	9
2816	Computational analysis of microRNA-mediated interactions in SARS-CoV-2 infection. PeerJ, 2020, 8, e9369.	2.0	164
2817	MicroRNAs in the Onset of Schizophrenia. Cells, 2021, 10, 2679.	4.1	23
2818	High expression level of miR-1260 family in the peripheral blood of patients with ovarian carcinoma. Journal of Ovarian Research, 2021, 14, 131.	3.0	5
2819	Rapid, multiplexed detection of the <i>let-7</i> miRNA family using $^{13}\text{PNA}$ amphiphiles in micelle-tagging electrophoresis. Biopolymers, 2022, 113, e23479.	2.4	1
2820	Downregulation of microRNA-6125 promotes colorectal cancer growth through YTHDF2-dependent recognition of N6-methyladenosine-modified GSK3 $\beta$ . Clinical and Translational Medicine, 2021, 11, e602.	4.0	36
2822	Exploration of alcohol use disorder-associated brain miRNA-mRNA regulatory networks. Translational Psychiatry, 2021, 11, 504.	4.8	23
2823	Micro RNA-34a sensitizes MCF-7 breast cancer cells to carboplatin through the apoptosis induction. Gene Reports, 2021, 25, 101361.	0.8	2
2824	MiRNA expression profiling in HIV pathogenesis, disease progression and response to treatment: a systematic review. Epigenomics, 2021, 13, 1653-1671.	2.1	6
2826	miR profile in pagetic osteoclasts: from large-scale sequencing to gene expression study. Journal of Molecular Medicine, 2021, 99, 1771-1781.	3.9	4
2827	Marek's disease virus encoded miR-M6 and miR-M10 are dispensable for virus replication and pathogenesis in chickens. Veterinary Microbiology, 2021, 262, 109248.	1.9	6
2828	Parkinson's disease and microRNAs - Lessons from model organisms and human studies. Experimental Gerontology, 2021, 155, 111585.	2.8	5
2832	Somatic Copy Number Alterations: Gene and Protein Expression Correlates in NF1-Associated Malignant Peripheral Nerve Sheath Tumors. , 2012, , 405-428.		0



#	ARTICLE	IF	CITATIONS
2833	Identification and Analysis of Disease Target Network of Human MicroRNA and Predicting Promising Leads for ZNF439, a Potential Target for Breast Cancer. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2012, , 358-362.	0.2	0
2834	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
2835	Modulation of Cancer Progression by Tumor Microenvironmental Leukocyte-Expressed microRNAs. , 0, , .		0
2837	RNA-seq Using Next Generation Sequencing. Materials and Methods, 0, 2, .	0.0	1
2838	Computational prediction of microRNA for targeting HIV-1 and HIV-2 subtype. American Journal of Bioinformatics and Computational Biology, 0, , .	0.0	0
2839	Bioinformatics analysis on structural features of microRNA precursors in insects. European Journal of Entomology, 2013, 110, 13-20.	1.2	2
2840	Biocomputational genome-wide analysis of micro RNA genetic variability in some vertebrates. Genetika, 2013, 45, 799-810.	0.4	2
2841	Nucleus and Genome: Small RNAs. , 2013, , 1-30.		0
2843	Non-coding RNA Databases. , 2013, , 1529-1532.		0
2844	Roles of miRNAs in Early Embryonic Development of Drosophila melanogaster. Hereditary Genetics: Current Research, 2013, 02, .	0.1	0
2845	Complex Regulatory Network of MicroRNAs, Transcription Factors, Gene Alterations in Adrenocortical Cancer. Asian Pacific Journal of Cancer Prevention, 2013, 14, 2265-2268.	1.2	4
2849	Bioinformatics Approaches to the Study of MicroRNAs. , 2014, , 165-245.		0
2850	Integration of Clinico-Pathological and microRNA Data for Intelligent Breast Cancer Relapse Prediction Systems. Lecture Notes in Computer Science, 2014, , 178-193.	1.3	1
2851	Biostatistics and Bioinformatics in Clinical Trials. , 2014, , 282-293.e2.		0
2853	From Cradle to the Grave: Tissue-specific microRNA signatures in detecting clinical progression of diabetes. Non-coding RNAs in Endocrinology, 2014, 1, .	0.0	0
2854	Searching for Cancer Biomarkers in Human Body Fluids. , 2014, , 305-326.		0
2855	Using Engineered microRNAs as Vectors for Animal RNA Interference: Promises and Challenges. Advances in Bioscience and Biotechnology (Print), 2014, 05, 301-310.	0.7	0
2856	Human Genome Network Platform: A Resource for TFRN Analysis. Methods in Molecular Biology, 2014, 1164, 147-162.	0.9	0

#	ARTICLE	IF	CITATIONS
2857	MicroRNAs in the Molecular Pathology of Gliomas. , 2014, , 77-116.		0
2858	Biological Significances and Progresses of miRNA in Digestive System Neoplasms. Medical Diagnosis, 2014, 04, 7-14.	0.1	0
2859	GenoScan: Genomic Scanner for Putative miRNA Precursors. Lecture Notes in Computer Science, 2014, , 266-277.	1.3	0
2860	MicroRNAs and Their Clinical Impact on Resistance to Anticancer Treatment. , 2014, , 369-386.		1
2861	GENOMIC DATABASES FOR CROP IMPROVEMENT. , 2014, , 219-234.		0
2863	MicroRNA let-7 in the spotlight: Role in innate immunity. Inflammation and Cell Signaling, 0, , .	1.6	0
2864	Analysis of microRNA Regulated Seed Biology Networks in Arabidopsis. International Journal of Knowledge Discovery in Bioinformatics, 2014, 4, 11-20.	0.8	0
2865	Export Control System based on Case Based Reasoning: Design and Evaluation. Journal of Intelligence and Information Systems, 2014, 20, 109-131.	0.1	2
2866	Molecular Mechanisms and Biomarker Perspective of MicroRNAs in Traumatic Brain Injury. , 2014, , 76-115.		0
2867	Methods and Compositions for Amplification and Detection of microRNAs (miRNAs) and Noncoding RNAs (ncRNAs) Using the Signature Sequence Amplification Method (SSAM). Recent Advances in DNA & Gene Sequences, 2014, 8, 2-9.	0.7	5
2868	MicroRNA Regulated Stress Responses in Cancer. , 2015, , 107-126.		0
2869	Interaction-Based Aggregation of mRNA and miRNA Expression Profiles to Differentiate Myelodysplastic Syndrome. Communications in Computer and Information Science, 2015, , 165-180.	0.5	0
2870	Regulatory Noncoding RNAs in Cardiovascular Disease: Shedding Light on "Dark Matter". Journal of Cardiovascular Disease, 2015, 3, .	0.5	1
2871	MicroRNAs as biomarkers for acute myocardial infarction: Small molecules with a huge potential. Sanamed, 2015, 10, 127-135.	0.2	0
2873	Fluorescent In Situ Hybridization Detection of microRNAs in Newt Tissue Cryosections. Neuromethods, 2015, , 355-365.	0.3	0
2874	Identification of Novel MicroRNAs and their Target Prediction in Stevia rebaudiana. Transcriptomics: Open Access, 2015, 03, .	0.2	0
2875	SnvDMiR Associating the genomic proximity of genetic variants with deregulated miRNAs and differentially methylated regions. , 2015, , .		0
2877	Large-Scale Transcriptomic Approaches for Characterization of Post-Transcriptional Control of Gene Expression. Advances in Intelligent Systems and Computing, 2016, , 109-119.	0.6	0

#	ARTICLE	IF	CITATIONS
2878	microRNA, A Clinical Diagnostic and Prognostic Biomarker. Annals of SBV, 2016, 5, 19-26.	0.1	0
2879	Inflammation-Associated Carcinogenesis Mediated by the Impairment of microRNA Function in the Gastroenterological Organs. , 2016, , 223-233.		0
2881	Network Analysis of MicroRNAs, Transcription Factors, Target Genes and Host Genes in Human Breast Cancer.. UHOD - Uluslararası Hematoloji-Onkoloji Dergisi, 2016, 26, 1-9.	0.1	0
2884	Elucidation of miRNA function on onset and progression of periodontal disease. Journal of Japanese Society of Periodontology, 2017, 59, 125-132.	0.1	0
2885	Genomes. , 2017, , 1-20.		0
2886	Identification of human genes and its genomics functions via miRNAs of C. elegans on bioinformatics platforms. Journal of Next Generation Sequencing & Applications, 2017, 04, .	0.3	0
2888	EXPRESSION miRNA-21 IN RENAL TISSUE AND URINE IN RATS WITH UNILATERAL URETERAL OBSTUCTION. Nephrology (Saint-Petersburg), 2017, 21, 46-51.	0.4	0
2889	Mapping of microRNAs related to cervical cancer in Latin American human genomic variants. F1000Research, 0, 6, 946.	1.6	0
2892	MicroRNAs Reconceived: A Novel Promising Biomarker for Diagnostic and Therapeutic Prospects. SBV Journal of Basic Clinical and Applied Health Science, 2018, 1, 4-11.	0.1	0
2897	THE ROLE OF THE EPITHELIALLY-MESENCHYMAL TRANSITION IN THE DEVELOPMENT OF COLORECTAL CANCER (review). Koloproktologia, 2018, , 111-117.	0.6	2
2900	COMPUTATIONAL IDENTIFICATION OF MICRORNAS FROM SSDNA VIRUSES. Anadolu University Journal of Sciences & Technology, 0, , 1-1.	0.2	0
2907	miRNA as a Marker for In Vitro Neurotoxicity Testing and Related Neurological Disorders. Neuromethods, 2019, , 255-281.	0.3	1
2908	Endogenous Signal-Responsive Transgene Switch Systems for Visualization and Purification of Specific Cells. Current Human Cell Research and Applications, 2019, , 99-112.	0.1	0
2909	QuÃ; trÃ-nh trÆ°á»Ÿng thÃnh cá»§a MicroRNA 144 phá»¥ thuá»™c vÃo Dicer. Tap Chi Khoa Hoc = Journal of Science, 2019, 55(CÃng nghá»† Sinh há»¶), 24.	0.1	0
2911	MicroRNAâ€9 suppresses human prostate cancer cell viability, invasion and migration via modulation of mitogenâ€activated protein kinase kinase 3 expression. Molecular Medicine Reports, 2019, 19, 4407-4418.	2.4	3
2914	miRâ€5191 functions as a tumor suppressor by targeting RPS6KB1 in colorectal cancer. International Journal of Oncology, 2019, , .	3.3	3
2915	BioHackathon series in 2013 and 2014: improvements of semantic interoperability in life science data and services. F1000Research, 0, 8, 1677.	1.6	0
2922	A New Computational Method Based on Heterogeneous Network for Predicting MicroRNA-Disease Associations. Studies in Computational Intelligence, 2021, , 205-219.	0.9	0

#	ARTICLE	IF	CITATIONS
2923	Whole transcriptome analysis on blue light-induced eye damage. International Journal of Ophthalmology, 2020, 13, 1210-1222.	1.1	1
2924	Emerging role of microRNAs as novel targets of antidepressants. Asian Journal of Psychiatry, 2021, 66, 102906.	2.0	1
2925	MicroRNA deregulation and cancer and medicinal plants as microRNA regulator. Asian Pacific Journal of Tropical Biomedicine, 2020, 10, 47.	1.2	3
2926	MirCure: a tool for quality control, filter and curation of microRNAs of animals and plants. Bioinformatics, 2020, 36, i618-i624.	4.1	4
2927	Epigenetic Aging and Colorectal Cancer: State of the Art and Perspectives for Future Research. International Journal of Molecular Sciences, 2021, 22, 200.	4.1	5
2928	Diagnostic and Therapeutic MicroRNAs in Primary Myelofibrosis. Proceedings of the Singapore National Academy of Science, 2020, 14, 91-109.	0.1	0
2930	Simplicity from Complexity – MicroRNAs and the Maintenance of Skin Homeostasis. Proceedings of the Singapore National Academy of Science, 2020, 14, 111-121.	0.1	0
2931	Screening for differentially expressed microRNA biomarkers in 1/2 Saudi colorectal cancer patients by small RNA deep sequencing. International Journal of Molecular Medicine, 2019, 44, 2027-2036.	4.0	4
2932	Sarcopenia. , 2020, , 1781-1803.e19.		0
2933	Strategies and Resources for the Identification of microRNAs in Non-model Plants. Concepts and Strategies in Plant Sciences, 2020, , 45-55.	0.5	0
2934	MYCN in Neuroblastoma: “Old Wine into New Wineskins” Diseases (Basel, Switzerland), 2021, 9, 78.	2.5	12
2936	Transcriptome and MicroRNAs Profiling Analysis of Huh7.5.1 Cells in Response to Hepatitis C Virus Infection. Hepatitis Monthly, 2021, 21, .	0.2	0
2937	Phenolic and miRNA response of resistant hop cultivar “Wye Target”™ after inoculation with phytopathogenic fungus Verticillium nonalfalfae. Acta Horticulturae, 2021, , 47-54.	0.2	0
2938	Protein-Based Systems for Translational Regulation of Synthetic mRNAs in Mammalian Cells. Life, 2021, 11, 1192.	2.4	7
2939	The investigation of miR-499 in apoptosis of cardiomyocytes in blood serum of MI patients. Medical Sciences Journal, 2019, 29, 155-162.	0.0	0
2943	MicroRNAs: Processing, Maturation, Target Recognition and Regulatory Functions. Molecular and Cellular Pharmacology, 2011, 3, 83-92.	1.7	650
2946	Fine mapping of variants associated with endometriosis in the WNT4 region on chromosome 1p36. International Journal of Molecular Epidemiology and Genetics, 2013, 4, 193-206.	0.4	16
2947	Serum microRNA-499 and microRNA-208a as biomarkers of acute myocardial infarction. International Journal of Clinical and Experimental Medicine, 2014, 7, 136-41.	1.3	48

#	ARTICLE	IF	CITATIONS
2950	Overexpression of microRNA-21 and microRNA-126 in the patients of bronchial asthma. International Journal of Clinical and Experimental Medicine, 2014, 7, 1307-12.	1.3	42
2952	Identification of circulating miRNAs profiles that distinguish malignant pleural mesothelioma from lung adenocarcinoma. EXCLI Journal, 2014, 13, 740-50.	0.7	11
2953	SMiRK: an Automated Pipeline for miRNA Analysis. , 2015, 1, .		1
2954	A splice-site variant in the lncRNA gene cosegregates in the large Volkmann cataract family. Molecular Vision, 2019, 25, 1-11.	1.1	1
2955	miR-23a-5p inhibits cell proliferation and invasion in pancreatic ductal adenocarcinoma by suppressing ECM1 expression. American Journal of Translational Research (discontinued), 2019, 11, 2983-2994.	0.0	13
2956	Early diagnostic and prognostic value of serum exosomal miR-1246 in non-small cell lung cancer. International Journal of Clinical and Experimental Pathology, 2020, 13, 1601-1607.	0.5	6
2957	miR-31 promotes tumorigenesis in ulcerative colitis-associated neoplasia via downregulation of SATB2. Molecular Medicine Reports, 2020, 22, 4801-4809.	2.4	0
2958	MicroRNAs and their role in immunogenetic-dysregulation. , 2022, , 193-225.		0
2959	LncRNA RBPMS-AS1 promotes NRG1 transcription to enhance the radiosensitivity of glioblastoma through the microRNA-301a-3p/CAMTA1 axis. Translational Oncology, 2022, 15, 101282.	3.7	10
2960	gga-miR-200b-3p promotes avian leukosis virus subgroup J replication via targeting dual-specificity phosphatase 1. Veterinary Microbiology, 2022, 264, 109278.	1.9	2
2961	Can parasite-derived microRNAs differentiate active and inactive cystic echinococcosis patients?. Parasitology Research, 2022, 121, 191-196.	1.6	8
2962	Tr-miRNA1 Contributes to Lignocellulase Secretion under Heat Stress by Regulating the Lectin-Type Cargo Receptor Gene Trvip36 in Trichoderma guizhouense NJAU 4742. Journal of Fungi (Basel,) 17(10) 107843145rgBT / Overlock 10	0.7843145	10
2963	Comparative Analysis of Coding and Non-Coding Features within Insect Tolerance Loci in Wheat with Their Homologs in Cereal Genomes. International Journal of Molecular Sciences, 2021, 22, 12349.	4.1	6
2964	microRNA-194 is increased in polycystic ovary syndrome granulosa cell and induce KGN cells apoptosis by direct targeting heparin-binding EGF-like growth factor. Reproductive Biology and Endocrinology, 2021, 19, 170.	3.3	7
2965	The methodological challenge in high-throughput profiling and quantifying microRNAs. Quantitative Biology, 2022, 10, 321-332.	0.5	0
2966	miR-31 promotes tumorigenesis in ulcerative colitis-associated neoplasia via downregulation of SATB2. Molecular Medicine Reports, 2020, 22, 4801-4809.	2.4	5
2967	Combining CAPRA-S With Tumor IDC/C Features Improves the Prognostication of Biochemical Recurrence in Prostate Cancer Patients. Clinical Genitourinary Cancer, 2022, 20, e217-e226.	1.9	3
2968	Applications of noncoding RNAs in brain cancer patients. , 2022, , 17-64.		0

#	ARTICLE	IF	CITATIONS
2969	Circulating MicroRNA Profiles as Potential Biomarkers for Differentiated Thyroid Cancer Recurrence. Journal of Clinical Endocrinology and Metabolism, 2022, , .	3.6	1
2970	Altered White Matter and microRNA Expression in a Murine Model Related to Williams Syndrome Suggests That miR-34b/c Affects Brain Development via Ptpru and Dcx Modulation. Cells, 2022, 11, 158.	4.1	8
2971	Preclinical development and phase 1 trial of a novel siRNA targeting lipoprotein(a). Nature Medicine, 2022, 28, 96-103.	30.7	128
2972	miRNA-Mediated Priming of Macrophage M1 Differentiation Differs in Gram-Positive and Gram-Negative Settings. Genes, 2022, 13, 211.	2.4	1
2973	Oscillatory Behaviors of microRNA Networks: Emerging Roles in Retinal Development. Frontiers in Cell and Developmental Biology, 2022, 10, 831750.	3.7	9
2974	Computational pathology aids derivation of microRNA biomarker signals from Cytosponge samples. EBioMedicine, 2022, 76, 103814.	6.1	0
2975	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.	1.5	0
2976	Aberrant Expressional Profiling of Small RNA by Cold Atmospheric Plasma Treatment in Human Chronic Myeloid Leukemia Cells. Frontiers in Genetics, 2021, 12, 809658.	2.3	5
2977	Significant Association of rs77493513 Polymorphism in 3'-UTR of the NRG1 Gene with the Risk of Multiple Sclerosis Disease. Metabolic Brain Disease, 2022, , 1.	2.9	2
2978	Creating and maintaining a high-confidence microRNA repository for crop research: A brief review and re-examination of the current crop microRNA registries. Journal of Plant Physiology, 2022, 270, 153636.	3.5	1
2979	Fecal microbiota transplantation as tool to study the interrelation between microbiota composition and miRNA expression. Microbiological Research, 2022, 257, 126972.	5.3	5
2980	Micro RNA differential expression profile in canine mammary gland tumor by next generation sequencing. Gene, 2022, 818, 146237.	2.2	7
2981	The role of microRNAs in the development of radioresistance of prostate cancer cells (experimental) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	2
2983	Systematic Characterization of MicroRNA Processing Modes in Plants With Parallel Amplification of RNA Ends. Frontiers in Plant Science, 2021, 12, 793549.	3.6	1
2984	SARS-CoV-2 expresses a microRNA-like small RNA able to selectively repress host genes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	52
2985	miR-223: An Immune Regulator in Infectious Disorders. Frontiers in Immunology, 2021, 12, 781815.	4.8	29
2986	Associations between the Levels of Estradiol-, Progesterone-, and Testosterone-Sensitive MiRNAs and Main Clinicopathologic Features of Breast Cancer. Journal of Personalized Medicine, 2022, 12, 4.	2.5	7
2987	Overview on miRNA classification, biogenesis, and functions. , 2022, , 3-20.		2

#	ARTICLE	IF	CITATIONS
2988	Characterization of the microRNA transcriptomes and proteomics of cochlear tissue-derived small extracellular vesicles from mice of different ages after birth. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 154.	5.4	10
2989	Analysing miRNA-Target Gene Networks in Inflammatory Bowel Disease and Other Complex Diseases Using Transcriptomic Data. <i>Genes</i> , 2022, 13, 370.	2.4	4
2990	Reinfection of Transplanted Livers in HCV- and HCV/HIV-Infected Patients Is Characterized by a Different MicroRNA Expression Profile. <i>Cells</i> , 2022, 11, 690.	4.1	4
2991	Evidence of antagonistic predictive effects of miRNAs in breast cancer cohorts through data-driven networks. <i>Scientific Reports</i> , 2022, 12, 5166.	3.3	0
2992	microRNA profile of <i>Hermetia illucens</i> (black soldier fly) and its implications on mass rearing. <i>PLoS ONE</i> , 2022, 17, e0265492.	2.5	1
2993	Characterization of the MicroRNA Profile of Ginger Exosome-like Nanoparticles and Their Anti-Inflammatory Effects in Intestinal Caco-2 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 4725-4734.	5.2	44
2994	Biogenesis, Functions, Interactions, and Resources of Non-Coding RNAs in Plants. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3695.	4.1	15
2995	Emerging function and clinical significance of extracellular vesicle noncoding RNAs in lung cancer. <i>Molecular Therapy - Oncolytics</i> , 2022, 24, 814-833.	4.4	10
2996	Global proteomic analysis of pre-implantational ovine embryos produced <i>in vitro</i> . <i>Reproduction in Domestic Animals</i> , 2022, , .	1.4	3
2997	The Multiverse of Plant Small RNAs: How Can We Explore It?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3979.	4.1	4
2999	Orange Juice Attenuates Circulating miR-150-5p, miR-25-3p, and miR-451a in Healthy Smokers: A Randomized Crossover Study. <i>Frontiers in Nutrition</i> , 2021, 8, 775515.	3.7	5
3000	The Study of Cerebrospinal Fluid microRNAs in Spinal Cord Injury and Neurodegenerative Diseases: Methodological Problems and Possible Solutions. <i>International Journal of Molecular Sciences</i> , 2022, 23, 114.	4.1	6
3001	miR-26a-5p and miR-125b-5p affect trophoblast genes and cell functions important during early pregnancy. <i>Biology of Reproduction</i> , 2022, 107, 590-604.	2.7	10
3071	miRNAs at the heart of host-pathogen interactions. <i>Virologie</i> , 2013, 17, 414-425.	0.1	0
3072	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.	1.5	2
3074	Dissection of the microRNA Network Regulating Hedgehog Signaling in <i>Drosophila</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 866491.	3.7	2
3075	A systems genomics approach to uncover patient-specific pathogenic pathways and proteins in ulcerative colitis. <i>Nature Communications</i> , 2022, 13, 2299.	12.8	9
3076	miR-16-5p Is a Novel Mediator of Venous Smooth Muscle Phenotypic Switching. <i>Journal of Cardiovascular Translational Research</i> , 2022, 15, 876-889.	2.4	2



#	ARTICLE	IF	CITATIONS
3077	Integrated small RNA profiling and degradome analysis of Anthurium andraeanum cultivars with different-colored spathes. Journal of Plant Research, 2022, 135, 609-626.	2.4	1
3078	The MdBBX22-miR858-MdMYB9/11/12 module regulates proanthocyanidin biosynthesis in apple peel. Plant Biotechnology Journal, 2022, 20, 1683-1700.	8.3	28
3079	The Role of Non-Coding RNAs in the Human Placenta. Cells, 2022, 11, 1588.	4.1	9
3080	Predicting miRNA-Disease Associations through Deep Sparse Autoencoder. Hans Journal of Computational Biology, 2021, 11, 37-47.	0.0	0
3081	Predicting miRNA-Disease Associations through Deep Sparse Autoencoder. Hans Journal of Computational Biology, 2021, 11, 37-47.	0.0	0
3082	MuCoMiD: A Multitask graph Convolutional Learning Framework for miRNA-Disease Association Prediction. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, PP, 1-1.	3.0	2
3083	Cold atmospheric plasmas target breast cancer stemness via modulating AQP3-19Y mediated AQP3-5K and FOXO1 K48-ubiquitination. International Journal of Biological Sciences, 2022, 18, 3544-3561.	6.4	13
3084	Construction and characterization of a de novo draft genome of garden cress (Lepidium sativum L.). Functional and Integrative Genomics, 2022, 22, 879-889.	3.5	2
3085	Oxidative Stress and Its Role in Cd-Induced Epigenetic Modifications: Use of Antioxidants as a Possible Preventive Strategy. Oxygen, 2022, 2, 177-212.	5.0	7
3087	Expression and Secretion of Circular RNAs in the Parasitic Nematode, Ascaris suum. Frontiers in Genetics, 0, 13, .	2.3	4
3088	miRNAs can be generally associated with human pathologies as exemplified for miR-144*. BMC Medicine, 2014, 12, 224.	5.5	0
3089	NGS-identified miRNAs in Canine Mammary Gland Tumors Show Unexpected Expression Alterations in qPCR Analysis. In Vivo, 2022, 36, 1628-1636.	1.3	3
3090	The Transcription Factor, $\hat{1}$ ACT, Acts Through a MicroRNA Network to Regulate Neurogenesis and Cell Death During Neonatal Cerebellar Development. Cerebellum, 0, , .	2.5	0
3091	Molecular Dissection of a Conserved Cluster of miRNAs Identifies Critical Structural Determinants That Mediate Differential Processing. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	2
3092	Identification of a circulating microRNAs biomarker panel for non-invasive diagnosis of coronary artery disease: case-control study. BMC Cardiovascular Disorders, 2022, 22, .	1.7	11
3093	Differentially Expressed Bone Marrow microRNAs Are Associated With Soluble HLA-G Bone Marrow Levels in Childhood Leukemia. Frontiers in Genetics, 0, 13, .	2.3	1
3094	Identifying Personalized Driver lncRNAs in Pan-Cancer and Its Application to Precision Medicine. SSRN Electronic Journal, 0, , .	0.4	0
3095	MiR-20a: a mechanosensitive microRNA that regulates fluid shear stress-mediated osteogenic differentiation via the BMP2 signaling pathway by targeting BAMBI and SMAD6. Annals of Translational Medicine, 2022, 10, 683-683.	1.7	5

#	ARTICLE	IF	CITATIONS
3096	Genome-wide CRISPR screen for HSV-1 host factors reveals PAPSS1 contributes to heparan sulfate synthesis. <i>Communications Biology</i> , 2022, 5, .	4.4	2
3097	miRNA-mRNA associations with inosine monophosphate specific deposition in the muscle of Jingyuan chicken. <i>British Poultry Science</i> , 2022, 63, 821-832.	1.7	5
3098	Parasitic plant small RNA analyses unveil parasite-specific signatures of microRNA retention, loss, and gain. <i>Plant Physiology</i> , 2022, 190, 1242-1259.	4.8	7
3099	Small noncoding RNAs play superior roles in maintaining hematopoietic stem cell homeostasis. <i>Blood Science</i> , 2022, 4, 125-132.	0.9	0
3100	The Etiology and Molecular Mechanism Underlying Smooth Muscle Phenotype Switching in Intimal Hyperplasia of Vein Graft and the Regulatory Role of microRNAs. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	2.4	1
3101	Integrated Analysis of Microarray, Small RNA, and Degradome Datasets Uncovers the Role of MicroRNAs in Temperature-Sensitive Genic Male Sterility in Wheat. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8057.	4.1	2
3102	microRNA Expression Profile of Purified Alveolar Epithelial Type II Cells. <i>Genes</i> , 2022, 13, 1420.	2.4	1
3104	microRNAs in Subarachnoid Hemorrhage (Review of Literature). <i>Journal of Clinical Medicine</i> , 2022, 11, 4630.	2.4	2
3105	DNA methylation in transposable elements buffers the connection between three-dimensional chromatin organization and gene transcription upon rice genome duplication. <i>Journal of Advanced Research</i> , 2022, 42, 41-53.	9.5	5
3106	MicroRNA as a diagnostic marker in cutaneous T-cell lymphomas. <i>Russian Journal of Skin and Venereal Diseases</i> , 2022, 25, 5-16.	0.2	0
3107	The MicroRNA397a-LACCASE17 module regulates lignin biosynthesis in <i>Medicago ruthenica</i> (L.). <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	3
3108	Roles of microRNAs in abiotic stress response and characteristics regulation of plant. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	28
3110	Hypoxia-induced epigenetic transgenerational miRNAs dysregulation involved in reproductive impairment of ovary. <i>Chemico-Biological Interactions</i> , 2022, 367, 110176.	4.0	3
3111	A curated human cellular microRNAome based on 196 primary cell types. <i>GigaScience</i> , 2022, 11, .	6.4	10
3112	A Review: Biological Insights on Knowledge Graphs. <i>Communications in Computer and Information Science</i> , 2022, , 388-399.	0.5	2
3113	Turning data to knowledge: online tools, databases, and resources in microRNA research. , 2022, , 69-88.		0
3114	miRNA therapeutics in precision oncology: a natural premium to nurture. <i>Exploration of Targeted Anti-tumor Therapy</i> , 0, , 511-532.	0.8	2
3115	The placenta epigenomeâ€ˆbrain axis: placental epigenomic and transcriptomic responses that preprogram cognitive impairment. <i>Epigenomics</i> , 2022, 14, 897-911.	2.1	8

#	ARTICLE	IF	CITATIONS
3116	iLoc-miRNA: extracellular/intracellular miRNA prediction using deep BiLSTM with attention mechanism. <i>Briefings in Bioinformatics</i> , 2022, 23, .	6.5	29
3117	Speciation genomics and the role of depth in the divergence of rockfishes ( <i>Sebastes</i> ) revealed through Pool-seq analysis of enriched sequences. <i>Ecology and Evolution</i> , 2022, 12, .	1.9	2
3118	miR-155-5p can be involved in acquisition of osseointegration on titanium surface. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 0, , .	1.5	0
3119	RTX-KG2: a system for building a semantically standardized knowledge graph for translational biomedicine. <i>BMC Bioinformatics</i> , 2022, 23, .	2.6	15
3120	Plasma microRNAs as potential biomarkers in early Alzheimer disease expression. <i>Scientific Reports</i> , 2022, 12, .	3.3	11
3122	Noncoding RNAs responsive to nitric oxide and their protein-coding gene targets shed light on root hair formation in <i>Arabidopsis thaliana</i> . <i>Frontiers in Genetics</i> , 0, 13, .	2.3	1
3123	Identification of the Regulatory Targets of miR-3687 and miR-4417 in Prostate Cancer Cells Using a Proteomics Approach. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10565.	4.1	3
3124	Cold-inducible promoter-driven knockdown of <i>Brachypodium</i> antifreeze proteins confers freezing and phytopathogen susceptibility. <i>Plant Direct</i> , 2022, 6, .	1.9	0
3125	Genome-wide post-transcriptional regulation of bovine mammary gland response to <i>Streptococcus uberis</i> . <i>Journal of Applied Genetics</i> , 2022, 63, 771-782.	1.9	5
3126	Genome-wide DNA methylation profiles and small noncoding RNA signatures in sperm with a high DNA fragmentation index. <i>Journal of Assisted Reproduction and Genetics</i> , 0, , .	2.5	2
3127	Translational regulation systems for “smart mRNA drugs” that enable controlled or targeted therapeutic effects. <i>Drug Delivery System</i> , 2022, 37, 209-220.	0.0	0
3128	SARS-CoV-2 RNAs are processed into 22-nt vsRNAs in Vero cells. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	3
3129	Histone methyltransferases SDG33 and SDG34 regulate organ-specific nitrogen responses in tomato. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	4
3130	Identification and functional interpretation of miRNAs affected by rare CNVs in CAKUT. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
3131	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.	2.2	2
3132	Analysis of Homologous Regions of Small RNAs MIR397 and MIR408 Reveals the Conservation of Microsynteny among Rice Crop-Wild Relatives. <i>Cells</i> , 2022, 11, 3461.	4.1	7
3133	Isolation and characterization of extracellular vesicles from biotechnologically important fungus <i>Aureobasidium pullulans</i> . <i>Fungal Biology and Biotechnology</i> , 2022, 9, .	5.1	4
3134	FDRdb: a manually curated database of fibrotic disease-associated RNAome and high-throughput datasets. <i>Database: the Journal of Biological Databases and Curation</i> , 2022, 2022, .	3.0	0

#	ARTICLE	IF	CITATIONS
3135	Turning Data to Knowledge: Online Tools, Databases, and Resources in microRNA Research. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 133-160.	1.6	1
3136	The miR408a-BBP-LAC3/CSD1 module regulates anthocyanin biosynthesis mediated by crosstalk between copper homeostasis and ROS homeostasis during light induction in <i>Malus</i> plants. <i>Journal of Advanced Research</i> , 2023, 51, 27-44.	9.5	7
3137	The role of altered microRNA expression in premalignant and malignant head and neck lesions with epithelial origin. <i>Health Science Reports</i> , 2022, 5, .	1.5	3
3138	Role of microRNAs and long non-coding RNAs in glucocorticoid signaling (Review). <i>International Journal of Molecular Medicine</i> , 2022, 50, .	4.0	2
3139	PMMS: Predicting essential miRNAs based on multi-head self-attention mechanism and sequences. <i>Frontiers in Medicine</i> , 0, 9, .	2.6	1
3140	Differentiation and Maturation of Muscle and Fat Cells in Cultivated Seafood: Lessons from Developmental Biology. <i>Marine Biotechnology</i> , 2023, 25, 1-29.	2.4	4
3141	Comprehensive proteomic profiling of early antral follicles from sheep. <i>Animal Reproduction Science</i> , 2023, 248, 107153.	1.5	1
3142	miRNA Biogenesis and Regulation of Diseases: An Updated Overview. <i>Methods in Molecular Biology</i> , 2023, , 1-12.	0.9	22
3143	Small RNA Targets: Advances in Prediction Tools and High-Throughput Profiling. <i>Biology</i> , 2022, 11, 1798.	2.8	3
3144	Expression of juvenility related microRNAs and target genes during micropropagation of silver birch ( <i>Betula pendula</i> Roth.). <i>Plant Cell, Tissue and Organ Culture</i> , 2023, 152, 455-469.	2.3	3
3145	miRBind: A Deep Learning Method for miRNA Binding Classification. <i>Genes</i> , 2022, 13, 2323.	2.4	6
3146	A specific type of Argonaute phosphorylation regulates binding to microRNAs during <i>C. elegans</i> development. <i>Cell Reports</i> , 2022, 41, 111822.	6.4	10
3147	MiR-15b-5p Expression in the Peripheral Blood: A Potential Diagnostic Biomarker of Autism Spectrum Disorder. <i>Brain Sciences</i> , 2023, 13, 27.	2.3	2
3148	Analysis of miRNA rare variants in amyotrophic lateral sclerosis and in silico prediction of their biological effects. <i>Frontiers in Genetics</i> , 0, 13, .	2.3	1
3150	Dietary Sugar Shifts Mitochondrial Metabolism and Small RNA Biogenesis in Sperm. <i>Antioxidants and Redox Signaling</i> , 2023, 38, 1167-1183.	5.4	0
3151	Comprehensive re-analysis of hairpin small RNAs in fungi reveals loci with conserved links. <i>ELife</i> , 0, 11, .	6.0	4
3152	Distinct Cellular Origins and Differentiation Process Account for Distinct Oncogenic and Clinical Behaviors of Leiomyosarcomas. <i>Cancers</i> , 2023, 15, 534.	3.7	1
3154	Convergent genomics of longevity in rockfishes highlights the genetics of human life span variation. <i>Science Advances</i> , 2023, 9, .	10.3	5

#	ARTICLE	IF	CITATIONS
3155	Analysis of microRNAs in response to cycloastragenol by small RNA sequencing in <i>Arabidopsis thaliana</i> . <i>Plant Biotechnology Reports</i> , 0, , .	1.5	1
3156	Identification of miRNAs as Biomarkers of Cardiac Protection in Non-Genetically Modified Primary Human Cardiomyocytes Exposed to Halogenated Hypnotics in an In Vitro Model of Transfection and Ischemia/Reperfusion: A New Model in Translational Anesthesia. <i>Life</i> , 2023, 13, 64.	2.4	1
3158	microRNA408 and its encoded peptide regulate sulfur assimilation and arsenic stress response in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2023, 192, 837-856.	4.8	10
3159	DraculR: A Web-Based Application for In Silico Haemolysis Detection in High-Throughput microRNA Sequencing Data. <i>Genes</i> , 2023, 14, 448.	2.4	1
3160	The RNA cargo in small extracellular vesicles from chicken eggs is bioactive in C57BL/6 mice and human peripheral blood mononuclear cells ex vivo. <i>Frontiers in Nutrition</i> , 0, 10, .	3.7	2
3161	MicroRNA 3 ends shorten during adolescent brain maturation. <i>Frontiers in Molecular Neuroscience</i> , 0, 16, .	2.9	0
3162	Interleukin-4 reduces insulin secretion in human islets from healthy but not type-2 diabetic donors. <i>Biochemical and Biophysical Research Communications</i> , 2023, 649, 87-92.	2.1	0
3163	MicroRNA profiling reveals the role of miR-133b-3p in promoting apoptosis and inhibiting cell proliferation and testosterone synthesis in mouse TM3 cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2023, 59, 63-75.	1.5	2
3164	Genome-wide identification and validation of tomato-encoded sRNA as the cross-species antifungal factors targeting the virulence genes of <i>Botrytis cinerea</i> . <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	0
3165	miRNAs in Herpesvirus Infection: Powerful Regulators in Small Packages. <i>Viruses</i> , 2023, 15, 429.	3.3	6
3166	Comparable Analysis of COMPSRA and Excerpt Pipelines for Mining Distinct Molecules of RNA. , 2023, , 26-32.		0
3167	Mitochondrial miRNA as epigenomic signatures: Visualizing aging-associated heart diseases through a new lens. <i>Ageing Research Reviews</i> , 2023, 86, 101882.	10.9	3
3168	Human cytomegalovirus infection perturbs neural progenitor cell fate via the expression of viral microRNAs. <i>Journal of Medical Virology</i> , 2023, 95, .	5.0	3
3169	Exploring conserved and novel MicroRNA-like small RNAs from stress tolerant <i>Trichoderma fusants</i> and parental strains during interaction with fungal phytopathogen <i>Sclerotium rolfsii</i> Sacc.. <i>Pesticide Biochemistry and Physiology</i> , 2023, 191, 105368.	3.6	4
3170	Clustering pattern and evolution characteristic of microRNAs in grass carp ( <i>Ctenopharyngodon</i> ) Tj ETQqO 0 0 rgBT /Qverlock 10 Tf 50 10	2.8	1
3171	Small RNA and Degradome Sequencing in Floral Bud Reveal Roles of miRNAs in Dormancy Release of <i>Chimonanthus praecox</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 4210.	4.1	2
3172	Regulatory Role of microRNA of Milk Exosomes in Mastitis of Dairy Cows. <i>Animals</i> , 2023, 13, 821.	2.3	6
3173	MicroRNA miR-252a-5p regulates the Notch signaling pathway by targeting <i>Rab6</i> in <i>Drosophila</i> wing development. <i>Insect Science</i> , 2023, 30, 1431-1444.	3.0	1

#	ARTICLE	IF	CITATIONS
3175	Insights into Online microRNA Bioinformatics Tools. Non-coding RNA, 2023, 9, 18.	2.6	3
3176	Genetic manipulation of microRNAs: approaches and limitations. Journal of Plant Biochemistry and Biotechnology, 2023, 32, 705-717.	1.7	2
3177	A Data-Mining Approach to Identify NF- $\kappa$ B-Responsive microRNAs in Tissues Involved in Inflammatory Processes: Potential Relevance in Age-Related Diseases. International Journal of Molecular Sciences, 2023, 24, 5123.	4.1	2
3178	Glucocorticoid exposure modifies the <scp>miRNA</scp> profile of sperm in the guinea pig: Implications for intergenerational transmission. FASEB Journal, 2023, 37, .	0.5	2
3179	ExosomePurity: tumour purity deconvolution in serum exosomes based on miRNA signatures. Briefings in Bioinformatics, 0, , .	6.5	0
3180	A novel method to identify and characterize personalized functional driver lncRNAs in cancer samples. Computational and Structural Biotechnology Journal, 2023, 21, 2471-2482.	4.1	1
3181	Intracellular metabolomics and microRNAomics unveil new insight into the regulatory network for potential biocontrol mechanism of stressâ€tolerant <i>Trichoâ€ <i></i>	4.1	4
3182	A Compilation of the Diverse miRNA Functions in Caenorhabditis elegans and Drosophila melanogaster Development. International Journal of Molecular Sciences, 2023, 24, 6963.	4.1	2
3183	Age-dependent alteration of microRNAs related to brain cancer in C6 glioma cells and young and old hippocampal rats after exposure to 1,2-Diacetylbenzene. Toxicology and Environmental Health Sciences, 0, , .	2.1	0
3184	Differentially expressed microRNAs in peripheral blood cell are associated with downregulated expression of IgE in nonallergic childhood asthma. Scientific Reports, 2023, 13, .	3.3	0
3185	Connecting the dots in the associations between diet, obesity, cancer, and microRNAs. Seminars in Cancer Biology, 2023, 93, 52-69.	9.6	7
3186	Identification of novel microRNAs in the embryonic mouse brain using deep sequencing. Molecular and Cellular Biochemistry, 2024, 479, 297-311.	3.1	0
3187	MicroRNA Biogenesis in Regenerative Medicine. , 2023, , 3-48.		0
3188	MitomiRs in Regenerative Medicine. , 2023, , 771-787.		0
3189	A microRNA Arising from the Negative Strand of SARS-CoV-2 Genome Targets FOS to Reduce AP-1 Activity. Non-coding RNA, 2023, 9, 33.	2.6	1
3190	The emerging role of N6-methyladenine RNA methylation in metal ion metabolism and metal-induced carcinogenesis. Environmental Pollution, 2023, 331, 121897.	7.5	1
3192	Extracellular vesicles secreted by Brugia malayi microfilariae modulate the melanization pathway in the mosquito host. Scientific Reports, 2023, 13, .	3.3	1
3193	Integrating functional scoring and regulatory data to predict the effect of non-coding SNPs in a complex neurological disease. Briefings in Functional Genomics, 0, , .	2.7	3

#	ARTICLE	IF	CITATIONS
3194	Genetic architecture of heart mitochondrial proteome influencing cardiac hypertrophy. <i>ELife</i> , 0, 12, .	6.0	0
3195	Osteoclast <scp>microRNA</scp> Profiling in Rheumatoid Arthritis to Capture the Erosive Factor. <i>JBMR Plus</i> , 2023, 7, .	2.7	1
3197	High-fat diet-induced gut microbiota alteration promotes lipogenesis by butyric acid/miR-204/ACSS2 axis in chickens. <i>Poultry Science</i> , 2023, 102, 102856.	3.4	2
3199	LPI-MAM: Predicting lncRNA-Protein Interactions with miRNAs as Mediators Based on Deep Learning. <i>Hans Journal of Computational Biology</i> , 2023, 13, 11-21.	0.0	0
3200	Micro<scp>RNAs</scp> as powerful tool against <scp>COVID</scp>â€¹9: Computational perspective. <i>WIREs Mechanisms of Disease</i> , 2023, 15, .	3.3	1
3201	A High-Quality Chromosome-Level Genome Assembly of a Snail <i>Cipangopaludina cathayensis</i> (Gastropoda: Viviparidae). <i>Genes</i> , 2023, 14, 1365.	2.4	1
3202	Circulating and Endometrial Tissue microRNA Markers Associated with Endometrial Cancer Diagnosis, Prognosis, and Response to Treatment. <i>Cancers</i> , 2023, 15, 2686.	3.7	0
3203	Emerging Assays for Risk Assessment. , 2024, , 79-87.e2.		0
3205	microRNA Expression Dynamics in <i>Culicoides sonorensis</i> Biting Midges Following Blood-Feeding. <i>Insects</i> , 2023, 14, 611.	2.2	0
3206	Noncoding RNAs in atherosclerosis: regulation and therapeutic potential. <i>Molecular and Cellular Biochemistry</i> , 0, , .	3.1	0
3207	miR-430 microRNA Family in Fishes: Molecular Characterization and Evolution. <i>Animals</i> , 2023, 13, 2399.	2.3	0
3208	Regulation of miRNA expression by Î±4Î²1 integrinâ€‘dependent multiple myeloma cell adhesion. <i>EJHaem</i> , 2023, 4, 631-638.	1.0	0
3209	Crafting a Blueprint for MicroRNA in Cardiovascular Diseases (CVDs). <i>Current Problems in Cardiology</i> , 2023, 48, 102010.	2.4	8
3210	Insights into the Transcriptome of Human Cytomegalovirus: A Comprehensive Review. <i>Viruses</i> , 2023, 15, 1703.	3.3	1
3211	Unraveling the transcriptional network regulated by miRNAs in blast-resistant and blast-susceptible rice genotypes during <i>Magnaporthe oryzae</i> interaction. <i>Gene</i> , 2023, 886, 147718.	2.2	2
3213	Casein kinase 1 and 2 phosphorylate Argonaute proteins to regulate <scp>miRNA</scp>â€‘mediated gene silencing. <i>EMBO Reports</i> , 2023, 24, .	4.5	3
3214	Structure of pre-miR-31 reveals an active role in Dicerâ€‘TRBP complex processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.1	1
3215	Differential Expression of miRNAs in Amyotrophic Lateral Sclerosis Patients. <i>Molecular Neurobiology</i> , 0, , .	4.0	0



#	ARTICLE	IF	CITATIONS
3216	Biological Implications of MicroRNAs as Regulators and Biomarkers of Therapeutic Toxicities in Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2023, 24, 12694.	4.1	1
3217	Characterization of microRNAs in the cyst nematode <i>Heterodera glycines</i> identifies possible candidates involved in cross-kingdom interactions with its host <i>Glycine max</i> . <i>RNA Biology</i> , 2023, 20, 614-628.	3.1	0
3218	Computational Genomics Approaches for Livestock Improvement and Management. <i>Livestock Diseases and Management</i> , 2023, , 351-376.	0.5	0
3219	MicroRNA-9-1 Attenuates Influenza A Virus Replication via Targeting Tankyrase 1. <i>Journal of Innate Immunity</i> , 2023, 15, 647-664.	3.8	0
3220	Molecular biomarkers for sperm quality in an economically important fish: Blue catfish, <i>Ictalurus furcatus</i> . <i>Aquaculture</i> , 2023, , 740220.	3.5	0
3221	Predictive modeling of oocyte maternal mRNA features of five mammalian species reveals potential shared and species-restricted regulators during maturation. <i>Physiological Genomics</i> , 0, , .	2.3	0
3222	Spitting in the wind?â€”The challenges of RNA sequencing for biomarker discovery from saliva. <i>International Journal of Legal Medicine</i> , 2024, 138, 401-412.	2.2	0
3223	Non-coding RNAs in <i>Lepidoptera</i> . , 0, , .		0
3224	The important role of miR-1-3p in cancers. <i>Journal of Translational Medicine</i> , 2023, 21, .	4.4	1
3225	Circulating plasma miR-23b-3p as a biomarker target for idiopathic Parkinson's disease: comparison with small extracellular vesicle miRNA. <i>Frontiers in Neuroscience</i> , 0, 17, .	2.8	0
3226	microRNAs in <i>Syrista parreyssi</i> (Hymenoptera) and <i>Lepisma saccharina</i> (Zygentoma) possibly involved in the mitochondrial function. <i>Archives of Insect Biochemistry and Physiology</i> , 2024, 115, .	1.5	0
3227	Changes in ADAR RNA editing patterns in CMV and ZIKV congenital infections. <i>BMC Genomics</i> , 2023, 24, .	2.8	2
3228	Convergent and divergent evolution of <i>microRNA</i> -mediated regulation in metazoans. <i>Biological Reviews</i> , 2024, 99, 525-545.	10.4	1
3229	Integrated small RNA, mRNA and protein omics reveal a miRNA network orchestrating metabolic maturation of the developing human heart. <i>BMC Genomics</i> , 2023, 24, .	2.8	1
3230	microRNA-184 in the landscape of human malignancies: a review to roles and clinical significance. <i>Cell Death Discovery</i> , 2023, 9, .	4.7	4
3231	Machine learning approaches for plant miRNA prediction: Challenges, advancements, and future directions. , 2023, 1, 100014.		1
3232	MicroRNA-200 Loaded Lipid Nanoparticles Promote Intestinal Epithelium Regeneration in Canonical MicroRNA-Deficient Mice. <i>ACS Nano</i> , 2023, 17, 22901-22915.	14.6	0
3233	Plant age-dependent dynamics of annatto pigment (bixin) biosynthesis in <i>Bixa orellana</i> . <i>Journal of Experimental Botany</i> , 2024, 75, 1390-1406.	4.8	0

#	ARTICLE	IF	CITATIONS
3234	Characterization of the microRNA408-LACCASE5 module as a regulatory axis for photosynthetic efficiency in <i>Medicago ruthenica</i> : implications for forage yield enhancement. <i>Frontiers in Genetics</i> , 0, 14, .	2.3	0
3235	YRNA and tRNA fragments can differentiate benign from malignant canine mammary gland tumors. <i>Biochemical and Biophysical Research Communications</i> , 2024, 691, 149336.	2.1	0
3236	Plasma-derived exosomal miRNA profiles reveal potential epigenetic pathogenesis of premature ovarian failure. <i>Human Genetics</i> , 0, , .	3.8	0
3237	Aging and Environmental Interactions with the Sperm Epigenome. , 2023, , 81-86.		0
3238	Hepatitis B Virus and microRNAs: A Bioinformatics Approach. <i>International Journal of Molecular Sciences</i> , 2023, 24, 17224.	4.1	0
3239	MicroRNA breed and parent-of-origin effects provide insights into biological pathways differentiating cattle subspecies in fetal liver. <i>Frontiers in Genetics</i> , 0, 14, .	2.3	0
3240	Benchmarking of bioinformatics tools for NGS-based microRNA profiling with RT-qPCR method. <i>Functional and Integrative Genomics</i> , 2023, 23, .	3.5	1
3241	Functional annotation of the microRNA-mediated network in gigantomastia by integrating microRNA and mRNA expression profiling. <i>Chinese Medical Journal</i> , 2013, 126, 740-746.	2.3	0
3243	The helicase domain of human Dicer prevents RNAi-independent activation of antiviral and inflammatory pathways. <i>EMBO Journal</i> , 2024, 43, 806-835.	7.8	0
3244	Prenatal maternal glucocorticoid exposure modifies sperm miRNA profiles across multiple generations in the guinea pig. <i>Journal of Physiology</i> , 2024, 602, 2127-2139.	2.9	1
3245	Computational tools supporting known miRNA identification. <i>Progress in Molecular Biology and Translational Science</i> , 2024, , 225-242.	1.7	0
3247	Role of miRNA in monkeypox viral diagnosis and therapeutic developments. , 2024, , 201-219.		0
3248	Epigenetic regulation influenced by soil microbiota and nutrients: Paving road to epigenome editing in plants. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2024, 1868, 130580.	2.4	0
3249	Regulatory Pathways in Growth Plate Chondrocytes that Are Impacted by Matrix Vesicle microRNA Identified by Targeted RISC Pulldown and Sequencing of the Resulting Transcriptome. <i>Calcified Tissue International</i> , 2024, 114, 409-418.	3.1	0
3250	Identifying long non-coding RNAs involved in heat stress response during wheat pollen development. <i>Frontiers in Plant Science</i> , 0, 15, .	3.6	0
3251	Unveiling Polysomal Long Non-Coding RNA Expression on the First Day of Adipogenesis and Osteogenesis in Human Adipose-Derived Stem Cells. <i>International Journal of Molecular Sciences</i> , 2024, 25, 2013.	4.1	0
3252	Effects of maternal nutrient restriction during gestation on bovine serum microRNA abundance. <i>Animal Reproduction Science</i> , 2024, 263, 107435.	1.5	0
3253	microRNAs in exhaled breath condensate for diagnosis of lung cancer in a resource-limited setting: a concise review. <i>Breathe</i> , 2023, 19, 230125.	1.3	0

#	ARTICLE	IF	CITATIONS
3254	Sperm traits and seminal plasma proteome of locally adapted hairy rams subjected to intermittent scrotal insulation. Animal Reproduction Science, 2024, 263, 107439.	1.5	0
3256	Micro-RNAs in the Diagnosis of Cutaneous T-Cell Lymphomas. Vestnik Rossiiskoi Akademii Meditsinskikh Nauk, 2024, 78, 530-540.	0.6	0
3257	microRNA Isolation, Expression Profiling, and Target Identification for Neuroprotection in Alzheimerâ€™s Disease. Methods in Molecular Biology, 2024, , 277-290.	0.9	0
3258	MicroRNAs as potential biomarkers for monitoring of acquired sensorineural hearing loss. , 2024, 2, .		0
3259	Circulating miRNAs associate with historical childhood asthma hospitalization in different serum vitamin D groups. Respiratory Research, 2024, 25, .	3.6	0
3260	MicroRNA156: a count up timer with potential to enhance horticultural traits. Ornamental Plant Research, 2024, 4, 0-0.	0.9	0
3261	Defining the contribution of microRNA-specific Argonautes with slicer capability in animals. Nucleic Acids Research, 0, , .	14.5	0
3263	A Study of FoxO1, mTOR, miR-21, miR-29b, and miR-98 Expression Levels Regarding Metabolic Syndrome in Acne Vulgaris Patients. Cureus, 2024, , .	0.5	0