Gene silencing by microRNAs: contributions of translat

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Citation Report

#	Article	IF	CITATIONS
1	Who's Afraid of Anxiety Genetics?. Biological Psychiatry, 2011, 69, 506-507.	1.3	12
2	MicroRNAs and Mesenchymal Stem Cells. Vitamins and Hormones, 2011, 87, 291-320.	1.7	45
3	The next level of complexity: post-transcriptional regulation by microRNAs. Kidney International, 2011, 80, 692-693.	5.2	5
4	MicroRNA preparations from individual monogenean Gyrodactylus salaris-a comparison of six commercially available totalRNA extraction kits. BMC Research Notes, 2011, 4, 217.	1.4	13
5	MicroRNA involvement in esophageal carcinogenesis. Current Opinion in Pharmacology, 2011, 11, 612-616.	3.5	34
6	Transcript clearance during the maternal-to-zygotic transition. Current Opinion in Genetics and Development, 2011, 21, 431-443.	3.3	146
7	microRNAs in neurons: manifold regulatory roles at the synapse. Current Opinion in Genetics and Development, 2011, 21, 491-497.	3.3	154
8	From microRNAs to targets: pathway discovery in cell fate transitions. Current Opinion in Genetics and Development, 2011, 21, 498-503.	3.3	61
9	From snoRNA to miRNA: Dual function regulatory non-coding RNAs. Biochimie, 2011, 93, 1987-1992.	2.6	207
10	Small RNAs derived from longer non-coding RNAs. Biochimie, 2011, 93, 1905-1915.	2.6	139
11	EBV-encoded miRNAs. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 631-640.	1.9	106
12	Creating a flexible multiple microRNA expression vector by linking precursor microRNAs. Biochemical and Biophysical Research Communications, 2011, 411, 276-280.	2.1	9
13	Mammalian hyperplastic discs Homolog EDD Regulates miRNA-Mediated Gene Silencing. Molecular Cell, 2011, 43, 97-109.	9.7	61
14	GW182 Proteins Directly Recruit Cytoplasmic Deadenylase Complexes to miRNA Targets. Molecular Cell, 2011, 44, 120-133.	9.7	324
15	Transcriptional regulation of co-expressed microRNA target genes. Genomics, 2011, 98, 445-452.	2.9	43
16	A Potential of microRNAs for High-Content Screening. Journal of Nucleic Acids, 2011, 2011, 1-15.	1.2	14
18	MicroRNA-Restricted Transgene Expression in the Retina. PLoS ONE, 2011, 6, e22166.	2.5	55
19	Overexpression of the Lung Cancer-Prognostic miR-146b MicroRNAs Has a Minimal and Negative Effect on the Malignant Phenotype of A549 Lung Cancer Cells. PLoS ONE, 2011, 6, e22379.	2.5	37

ITATION REDO

#	Article	IF	CITATIONS
20	Comparative Expression Profile of miRNA and mRNA in Primary Peripheral Blood Mononuclear Cells Infected with Human Immunodeficiency Virus (HIV-1). PLoS ONE, 2011, 6, e22730.	2.5	55
21	Recent advances in the epigenetics and genomics of asthma. Current Opinion in Allergy and Clinical Immunology, 2011, 11, 414-419.	2.3	35
22	Abstracts: Oral Presentations. Journal of Developmental Origins of Health and Disease, 2011, 2, S2-S34.	1.4	0
23	Dysregulated microRNAs affect pathways and targets of biologic relevance in nasal-type natural killer/T-cell lymphoma. Blood, 2011, 118, 4919-4929.	1.4	94
24	Roles of miRNAs in virus-mediated cellular transformation: lessons from human T-cell leukemia virus type 1. Future Virology, 2011, 6, 1351-1360.	1.8	0
25	MicroRNA regulation by RNA-binding proteins and its implications for cancer. Nature Reviews Cancer, 2011, 11, 644-656.	28.4	555
26	The emerging world of small silencing RNAs in protozoan parasites. Trends in Parasitology, 2011, 27, 321-327.	3.3	20
27	MicroRNAs regulating cell pluripotency and vascular differentiation. Vascular Pharmacology, 2011, 55, 69-78.	2.1	14
28	Ago2/miRISC-mediated inhibition of CBP80/20-dependent translation and thereby abrogation of nonsense-mediated mRNA decay require the cap-associating activity of Ago2. FEBS Letters, 2011, 585, 2682-2687.	2.8	20
29	Targeting microRNAs involved in human diseases: A novel approach for modification of gene expression and drug development. Biochemical Pharmacology, 2011, 82, 1416-1429.	4.4	100
30	New insights in the mechanism of microRNA-mediated target repression. Nature Structural and Molecular Biology, 2011, 18, 1181-1182.	8.2	18
31	miRNA repression involves GW182-mediated recruitment of CCR4–NOT through conserved W-containing motifs. Nature Structural and Molecular Biology, 2011, 18, 1218-1226.	8.2	315
32	Micromanaging Vascular Smooth Muscle Cell Differentiation and Phenotypic Modulation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2370-2377.	2.4	203
33	miRNA-mediated deadenylation is orchestrated by GW182 through two conserved motifs that interact with CCR4–NOT. Nature Structural and Molecular Biology, 2011, 18, 1211-1217.	8.2	286
34	Combining resources to obtain a comprehensive survey of the bovine embryo transcriptome through deep sequencing and microarrays. Molecular Reproduction and Development, 2011, 78, 651-664.	2.0	91
35	CAMTA1 is a novel tumour suppressor regulated by miR-9/9 [*] in glioblastoma stem cells. EMBO Journal, 2011, 30, 4309-4322.	7.8	141
36	Transfer RNAâ€derived fragments: origins, processing, and functions. Wiley Interdisciplinary Reviews RNA, 2011, 2, 853-862.	6.4	163
38	Twoâ€Temperature Hybridization for Microarray Detection of Labelâ€Free MicroRNAs with Attomole Detection and Superior Specificity. Angewandte Chemie - International Edition, 2011, 50, 12487-12490.	13.8	106

# 39	ARTICLE The two faces of FBW7 in cancer drug resistance. BioEssays, 2011, 33, 851-859.	IF 2.5	Citations 39
40	When Cellular Networks Run Out of Control. Progress in Molecular Biology and Translational Science, 2011, 102, 165-242.	1.7	15
41	Viruses and microRNAs: RISCy interactions with serious consequences. Genes and Development, 2011, 25, 1881-1894.	5.9	180
42	MiR-29a Inhibits Cell Proliferation and Induces Cell Cycle Arrest through the Downregulation of p42.3 in Human Gastric Cancer. PLoS ONE, 2011, 6, e25872.	2.5	88
43	Epigenetic and epigenomic mechanisms shape sarcoma and other mesenchymal tumor pathogenesis. Epigenomics, 2011, 3, 715-732.	2.1	28
44	A "SNP in Time―for SCNN1G to Join the "Highly Likely―List of Genes for Essential Hypertension. Hypertension, 2011, 58, 996-997.	2.7	1
45	Prdm1a and miR-499 act sequentially to restrict Sox6 activity to the fast-twitch muscle lineage in the zebrafish embryo. Development (Cambridge), 2011, 138, 4399-4404.	2.5	56
46	RNA-Mediated Silencing in Algae: Biological Roles and Tools for Analysis of Gene Function. Eukaryotic Cell, 2011, 10, 1164-1172.	3.4	122
47	Evolutionary Constraint in Flanking Regions of Avian Genes. Molecular Biology and Evolution, 2011, 28, 2481-2489.	8.9	5
48	Crystal structure of the MID-PIWI lobe of a eukaryotic Argonaute protein. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10466-10471.	7.1	113
49	The Ataxin-2 protein is required for microRNA function and synapse-specific long-term olfactory habituation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E655-62.	7.1	146
50	Gene Expression Profiling Reveals Renin mRNA Overexpression in Human Hypertensive Kidneys and a Role for MicroRNAs. Hypertension, 2011, 58, 1093-1098.	2.7	208
51	Emerging Role of Micro-RNAs in the Regulation of Angiogenesis. Genes and Cancer, 2011, 2, 1134-1138.	1.9	38
52	miR-34 and SNAIL form a double-negative feedback loop to regulate epithelial-mesenchymal transitions. Cell Cycle, 2011, 10, 4256-4271.	2.6	539
53	Translational Suppression of Atrophic Regulators by MicroRNA-23a Integrates Resistance to Skeletal Muscle Atrophy. Journal of Biological Chemistry, 2011, 286, 38456-38465.	3.4	165
54	Genome-wide Characterization of miR-34a Induced Changes in Protein and mRNA Expression by a Combined Pulsed SILAC and Microarray Analysis. Molecular and Cellular Proteomics, 2011, 10, M111.010462.	3.8	181
55	Chromosome 1p21.3 microdeletions comprising DPYD and MIR137 are associated with intellectual disability. Journal of Medical Genetics, 2011, 48, 810-818.	3.2	146
56	Epigenetic alteration of microRNAs in feces of colorectal cancer and its clinical significance. Expert Review of Molecular Diagnostics, 2011, 11, 691-694.	3.1	28

#	Article	IF	CITATIONS
57	Bidirectional integrative regulation of Cav1.2 calcium channel by microRNA miR-103: role in pain. EMBO Journal, 2011, 30, 3830-3841.	7.8	153
58	Dicer-dependent and -independent Argonaute2 Protein Interaction Networks in Mammalian Cells. Molecular and Cellular Proteomics, 2012, 11, 1442-1456.	3.8	53
59	Claudin-14 regulates renal Ca ⁺⁺ transport in response to CaSR signalling via a novel microRNA pathway. EMBO Journal, 2012, 31, 1999-2012.	7.8	212
60	MicroRNAs, Hepatitis C Virus, and HCV/HIV-1 Co-Infection: New Insights in Pathogenesis and Therapy. Viruses, 2012, 4, 2485-2513.	3.3	33
61	Activity and Function of Deadenylases. The Enzymes, 2012, 31, 181-211.	1.7	5
62	miR-34s inhibit osteoblast proliferation and differentiation in the mouse by targeting SATB2. Journal of Cell Biology, 2012, 197, 509-521.	5.2	215
63	DIANA miRPath v.2.0: investigating the combinatorial effect of microRNAs in pathways. Nucleic Acids Research, 2012, 40, W498-W504.	14.5	486
64	miR-10b promotes cell invasion through RhoC-AKT signaling pathway by targeting HOXD10 in gastric cancer. International Journal of Oncology, 2012, 40, 1553-60.	3.3	89
65	Deep annotation of mouse iso-miR and iso-moR variation. Nucleic Acids Research, 2012, 40, 5864-5875.	14.5	82
66	Potential of microRNAs for cancer diagnostics, prognostication and therapy. Current Opinion in Oncology, 2012, 24, 655-659.	2.4	63
67	The Therapeutic Potential of MicroRNAs in Cancer. Cancer Journal (Sudbury, Mass), 2012, 18, 275-284.	2.0	97
68	How do microRNAs affect vascular smooth muscle cell biology?. Current Opinion in Lipidology, 2012, 23, 405-411.	2.7	29
69	MiR-27a Functions as a Tumor Suppressor in Acute Leukemia by Regulating 14-3-3Î,. PLoS ONE, 2012, 7, e50895.	2.5	57
70	Upcoming candidate cerebrospinal fluid biomarkers of Alzheimer's disease. Biomarkers in Medicine, 2012, 6, 455-476.	1.4	100
71	Tumor Suppressive MicroRNAs miR-34a/c Control Cancer Cell Expression of ULBP2, a Stress-Induced Ligand of the Natural Killer Cell Receptor NKG2D. Cancer Research, 2012, 72, 460-471.	0.9	172
72	MiR-199a attenuates endometrial stromal cell invasiveness through suppression of the IKKÂ/NF-ÂB pathway and reduced interleukin-8 expression. Molecular Human Reproduction, 2012, 18, 136-145.	2.8	97
73	A novel mutation within the MIR96 gene causes non-syndromic inherited hearing loss in an Italian family by altering pre-miRNA processing. Human Molecular Genetics, 2012, 21, 577-585.	2.9	92
74	Molecular basis of differential target regulation by miR-96 and miR-182: the Glypican-3 as a model. Nucleic Acids Research, 2012, 40, 1356-1365.	14.5	45

#	Article	IF	CITATIONS
75	RIP-chip-SRM—a new combinatorial large-scale approach identifies a set of translationally regulated bantam/miR-58 targets in <i>C. elegans</i> . Genome Research, 2012, 22, 1360-1371.	5.5	18
76	Lecture. Organogenesis, 2012, 8, 1-9.	1.2	19
77	Variants in the 3′ untranslated region of the KCNQ1-encoded Kv7.1 potassium channel modify disease severity in patients with type 1 long QT syndrome in an allele-specific manner. European Heart Journal, 2012, 33, 714-723.	2.2	130
78	The role of decapping proteins in the miRNA accumulation in <i>Arabidopsis thaliana</i> . RNA Biology, 2012, 9, 644-652.	3.1	28
79	miR-1 and miR-206 regulate angiogenesis by modulating VegfA expression in zebrafish. Development (Cambridge), 2012, 139, 4356-4365.	2.5	97
80	From transcription to translation: new insights in the structure and function of Argonaute protein. Biomolecular Concepts, 2012, 3, 545-559.	2.2	1
81	Flowering Time in Maize: Linkage and Epistasis at a Major Effect Locus. Genetics, 2012, 190, 1547-1562.	2.9	75
82	Bicc1 links the regulation of cAMP signaling in polycystic kidneys to microRNA-induced gene silencing. Journal of Molecular Cell Biology, 2012, 4, 398-408.	3.3	52
83	Direct sequencing of Arabidopsis thaliana RNA reveals patterns of cleavage and polyadenylation. Nature Structural and Molecular Biology, 2012, 19, 845-852.	8.2	142
84	HuR protein attenuates miRNA-mediated repression by promoting miRISC dissociation from the target RNA. Nucleic Acids Research, 2012, 40, 5088-5100.	14.5	162
85	mRNA for N-Bak, a neuron-specific BH3-only splice isoform of Bak, escapes nonsense-mediated decay and is translationally repressed in the neurons. Cell Death and Disease, 2012, 3, e269-e269.	6.3	18
86	Translational inhibition by deadenylation-independent mechanisms is central to microRNA-mediated silencing in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1104-1109.	7.1	86
87	Influenza A Virus Infection of Human Respiratory Cells Induces Primary MicroRNA Expression. Journal of Biological Chemistry, 2012, 287, 31027-31040.	3.4	114
88	TarBase 6.0: capturing the exponential growth of miRNA targets with experimental support. Nucleic Acids Research, 2012, 40, D222-D229.	14.5	498
89	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
91	The true core of RNA silencing revealed. Nature Structural and Molecular Biology, 2012, 19, 657-660.	8.2	33
92	Let's Make It Happen. Current Topics in Developmental Biology, 2012, 99, 1-30.	2.2	53
93	MiR-21 is Enriched in the RNA-Induced Silencing Complex and Targets COL4A1 in Human Granulosa Cell Lines. Reproductive Sciences, 2012, 19, 1030-1040.	2.5	22

#	Article	IF	CITATIONS
94	MiR-155 Negatively Regulates c-Jun Expression at the Post-transcriptional Level in Human Dermal Fibroblastsin vitro: Implications in UVA Irradiation-induced Photoaging. Cellular Physiology and Biochemistry, 2012, 29, 331-340.	1.6	29
95	Involvement of miRNAs in ovarian follicular and luteal development. Journal of Endocrinology, 2012, 215, 323-334.	2.6	164
96	miRmap: Comprehensive prediction of microRNA target repression strength. Nucleic Acids Research, 2012, 40, 11673-11683.	14.5	322
97	STAT3 regulation of and by microRNAs in development and disease. Jak-stat, 2012, 1, 143-150.	2.2	32
98	MicroRNA-204 regulates vascular smooth muscle cell calcification in vitro and in vivo. Cardiovascular Research, 2012, 96, 320-329.	3.8	152
99	A Systematic Genetic Screen to Dissect the MicroRNA Pathway in <i>Drosophila</i> . G3: Genes, Genomes, Genetics, 2012, 2, 437-448.	1.8	15
100	Expression of MicroRNA miR-122 Facilitates an Efficient Replication in Nonhepatic Cells upon Infection with Hepatitis C Virus. Journal of Virology, 2012, 86, 7918-7933.	3.4	107
101	Establishment of a Novel Permissive Cell Line for the Propagation of Hepatitis C Virus by Expression of MicroRNA miR122. Journal of Virology, 2012, 86, 1382-1393.	3.4	83
102	AMD1 is essential for ESC self-renewal and is translationally down-regulated on differentiation to neural precursor cells. Genes and Development, 2012, 26, 461-473.	5.9	49
103	Contributions of mRNA abundance, ribosome loading, and post- or peri-translational effects to temporal repression of <i>C. elegans</i> heterochronic miRNA targets. Genome Research, 2012, 22, 2418-2426.	5.5	56
104	The Caenorhabditis elegans GW182 protein AIN-1 interacts with PAB-1 and subunits of the PAN2-PAN3 and CCR4-NOT deadenylase complexes. Nucleic Acids Research, 2012, 40, 5651-5665.	14.5	50
105	Functional Analysis of Three <i>Arabidopsis</i> ARGONAUTES Using Slicer-Defective Mutants Â. Plant Cell, 2012, 24, 3613-3629.	6.6	249
106	Genome-wide Screen for miRNA Targets Using the MISSION Target ID Library. Journal of Visualized Experiments, 2012, , e3303.	0.3	0
107	microRNA in Chondrogenesis, Cartilage and Osteoarthritis. Current Rheumatology Reviews, 2012, 8, 89-97.	0.8	3
108	MicroRNA in Aging: From Discovery to Biology. Current Genomics, 2012, 13, 548-557.	1.6	103
110	Exploiting <scp>microRNA</scp> regulation for genetic engineering. Tissue Antigens, 2012, 80, 393-403.	1.0	30
111	The functions of microRNAs in pluripotency and reprogramming. Nature Cell Biology, 2012, 14, 1114-1121.	10.3	130
112	Mechanisms that impact microRNA stability in plants. RNA Biology, 2012, 9, 1218-1223.	3.1	54

7

ARTICLE IF CITATIONS miRNAs' strict schedule. Nature Reviews Genetics, 2012, 13, 378-379. 16.3 3 113 microRNAs in skeletal muscle differentiation and disease. Clinical Science, 2012, 123, 611-625. 114 4.3 The role of microRNAs in arterial remodelling. Thrombosis and Haemostasis, 2012, 107, 611-618. 100 115 3.4 microRNAs associated with the different human Argonaute proteins. Nucleic Acids Research, 2012, 40, 116 14.5 179 9850-9862. A Molecular Link between miRISCs and Deadenylases Provides New Insight into the Mechanism of Gene 117 5.5 47 Silencing by MicroRNAs. Cold Spring Harbor Perspectives in Biology, 2012, 4, a012328-a012328. Human mirtrons can express functional microRNAs simultaneously from both arms in a flanking exon-independent manner. RNA Biology, 2012, 9, 1177-1185. 3.1 The role of mammalian poly(A)-binding proteins in co-ordinating mRNA turnover. Biochemical Society 119 3.4 37 Transactions, 2012, 40, 856-864. The miR-35-41 Family of MicroRNAs Regulates RNAi Sensitivity in Caenorhabditis elegans. PLoS Genetics, 120 3.5 37 2012, 8, e1002536. Micro-RNAs (miRNAs): genomic organisation, biogenesis and mode of action. Cell and Tissue Research, 121 2.9 113 2012, 349, 405-413. IL-10–induced microRNA-187 negatively regulates TNF-α, IL-6, and IL-12p40 production in TLR4-stimulated monocytes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 7.1 109, E3101-10. MicroRNAs and their targets: recognition, regulation and an emerging reciprocal relationship. Nature 124 1.406 16.3Reviews Genetics, 2012, 13, 271-282. Subgenomic analysis of microRNAs in polyploid wheat. Functional and Integrative Genomics, 2012, 12, 3.5 465-479. The Loop Position of shRNAs and Pre-miRNAs Is Critical for the Accuracy of Dicer Processing InÂVivo. 126 28.9 266 Cell, 2012, 151, 900-911. MS2-TRAP (MS2-tagged RNA affinity purification): Tagging RNA to identify associated miRNAs. Methods, 3.8 114 2012, 58, 81-87. Rare Drosha Splice Variants Are Deficient in MicroRNA Processing but Do Not Affect General 128 5.326 MicroRNA Expression in Cancer Cells. Neoplasia, 2012, 14, 238-IN26. 129 Predicting mRNA targets for HSV-1 miRNAs., 2012,,. Antisense reductions in the PsbO protein of photosystem II leads to decreased quantum yield but 130 4.8 36 similar maximal photosynthetic rates. Journal of Experimental Botany, 2012, 63, 4781-4795. Identification of miRNAs associated with the follicular–luteal transition in the ruminant ovary. 178 Reproduction, 2012, 144, 221-233.

		CITATION R	EPORT	
#	Article		IF	CITATIONS
132	Consolidation and translation regulation: Figure 1 Learning and Memory, 2012, 19, 4	10-422.	1.3	77
133	Pseudogenes: Newly Discovered Players in Human Cancer. Science Signaling, 2012, 5,	re5.	3.6	125
134	Male Germline Control of Transposable Elements1. Biology of Reproduction, 2012, 86,	162, 1-14.	2.7	44
135	MicroRNAs in inner ear biology and pathogenesis. Hearing Research, 2012, 287, 6-14.		2.0	26
136	Identification and developmental profiling of conserved and novel microRNAs in Mand Insect Biochemistry and Molecular Biology, 2012, 42, 381-395.	uca sexta.	2.7	58
137	EBV encoded miR-BHRF1-1 potentiates viral lytic replication by downregulating host pl nasopharyngeal carcinoma. International Journal of Biochemistry and Cell Biology, 201	53 in 2, 44, 275-279.	2.8	37
138	miR-21 functionally interacts with the 3′UTR of chemokine CCL20 and down-regula in miR-21 transfected colorectal cancer cells. Cancer Letters, 2012, 316, 105-112.	tes CCL20 expression	7.2	35
139	U1 snRNP Determines mRNA Length and Regulates Isoform Expression. Cell, 2012, 150	0, 53-64.	28.9	392
140	The distribution of GC nucleotides and regulatory sequence motifs in genes and their a sequences. Gene, 2012, 492, 375-381.	ıdjacent	2.2	13
141	The regulation of mRNA stability in mammalian cells: 2.0. Gene, 2012, 500, 10-21.		2.2	205
142	Mechanism of the initiation of mRNA decay: role of eRF3 family G proteins. Wiley Inter Reviews RNA, 2012, 3, 743-757.	disciplinary	6.4	30
143	Protein-RNA interface residue prediction using machine learning: an assessment of the art. BMC Bioinformatics, 2012, 13, 89.	state of the	2.6	74
144	Quantification and accurate normalisation of small RNAs through new custom RT-qPC demonstrates Salmonella-induced microRNAs in human monocytes. BMC Genomics, 2	₹arrays 012, 13, 23.	2.8	50
145	Let-7b regulates the expression of the growth hormone receptor gene in deletion-type BMC Genomics, 2012, 13, 306.	dwarf chickens.	2.8	59
146	Regulation of microRNA biogenesis and function. Thrombosis and Haemostasis, 2012,	107, 605-610.	3.4	171
147	Involvement of miRNA in erythroid differentiation. Epigenomics, 2012, 4, 51-65.		2.1	54
148	MicroRNA–target interactions: new insights from genomeâ€wide approaches. Annal Academy of Sciences, 2012, 1271, 118-128.	s of the New York	3.8	51
149	Off-Target Effects and Safety Aspects of Phosphorothioate Oligonucleotides. RNA Tecl , 67-83.	nnologies, 2012,	0.3	8

#	Article	IF	CITATIONS
150	Estrogen and retinoic acid antagonistically regulate several microRNA genes to control aerobic glycolysis in breast cancer cells. Molecular BioSystems, 2012, 8, 3242.	2.9	40
151	Elucidating the temporal order of silencing. EMBO Reports, 2012, 13, 662-663.	4.5	41
152	A conserved PUF–Ago–eEF1A complex attenuates translation elongation. Nature Structural and Molecular Biology, 2012, 19, 176-183.	8.2	128
153	Finding MicroRNA Targets in Plants: Current Status and Perspectives. Genomics, Proteomics and Bioinformatics, 2012, 10, 264-275.	6.9	56
154	MicroRNA-155 inhibits proliferation and migration of human extravillous trophoblast derived HTR-8/SVneo cells via down-regulating cyclin D1. Placenta, 2012, 33, 824-829.	1.5	104
155	Translational study of microRNAs and its application in kidney disease and hypertension research. Clinical Science, 2012, 122, 439-447.	4.3	20
156	The roles of miRNAs in wing imaginal disc development in <i>Drosophila</i> . Biochemical Society Transactions, 2012, 40, 891-895.	3.4	12
157	Fibrinogen gene regulation. Thrombosis and Haemostasis, 2012, 108, 419-426.	3.4	96
158	LIN28B induces neuroblastoma and enhances MYCN levels via let-7 suppression. Nature Genetics, 2012, 44, 1199-1206.	21.4	336
159	Neurogenic Hypertension: Revelations from Genome-Wide Gene Expression Profiling. Current Hypertension Reports, 2012, 14, 485-491.	3.5	9
160	Somatic Stem Cells. Methods in Molecular Biology, 2012, , .	0.9	6
161	RNA interference in <i>Caenorhabditis elegans</i> : Uptake, mechanism, and regulation. Parasitology, 2012, 139, 560-573.	1.5	50
163	A team effort blocks the ribosome in its tracks. Nature Structural and Molecular Biology, 2012, 19, 133-134.	8.2	3
164	Developing microRNA Therapeutics: Approaching the Unique Complexities. Nucleic Acid Therapeutics, 2012, 22, 213-225.	3.6	52
165	A computational tool for the design of live attenuated virus vaccine based on microRNA-mediated gene silencing. BMC Genomics, 2012, 13, S15.	2.8	8
166	Regulation of colony stimulating factor-1 expression and ovarian cancer cell behavior in vitro by miR-128 and miR-152. Molecular Cancer, 2012, 11, 58.	19.2	54
167	Regulation of small RNA stability: methylation and beyond. Cell Research, 2012, 22, 624-636.	12.0	212
168	miR-127 Protects Proximal Tubule Cells against Ischemia/Reperfusion: Identification of Kinesin Family Member 3B as miR-127 Target. PLoS ONE, 2012, 7, e44305.	2.5	59

#	Article	IF	Citations
169	Determination of Reference microRNAs for Relative Quantification in Porcine Tissues. PLoS ONE, 2012, 7, e44413.	2.5	49
170	Regulation of Epidermal Growth Factor Receptor Signaling and Erlotinib Sensitivity in Head and Neck Cancer Cells by miR-7. PLoS ONE, 2012, 7, e47067.	2.5	68
171	Kaposi's Sarcoma-Associated Herpesvirus microRNAs. Frontiers in Microbiology, 2012, 3, 165.	3.5	62
172	LRRK2 in Transcription and Translation Regulation: Relevance for Parkinson's Disease. Frontiers in Neurology, 2012, 3, 12.	2.4	24
173	Alteration of the platelet transcriptome in chronic kidney disease. Thrombosis and Haemostasis, 2012, 108, 605-615.	3.4	58
174	miRNAs as important drivers of glioblastomas: A no-brainer?. Cancer Biomarkers, 2012, 11, 245-252.	1.7	15
175	Gene Mutations Associated with Male Infertility. , 0, , .		0
177	MicroRNA in a Case of Unexplained Recurrent Pregnancy Loss. Journal of Clinical Case Reports, 2012, 02, .	0.0	1
178	Structure and Mechanism of Argonaute Proteins. The Enzymes, 2012, , 83-100.	1.7	6
179	The 5′ → 3′ exoribonuclease XRN1/Pacman and its functions in cellular processes and development. Wiley Interdisciplinary Reviews RNA, 2012, 3, 455-468.	6.4	94
180	A panel of five circulating microRNAs as potential biomarkers for prostate cancer. Prostate, 2012, 72, 1443-1452.	2.3	158
181	Role of MicroRNAs 99b, 181a, and 181b in the Differentiation of Human Embryonic Stem Cells to Vascular Endothelial Cells. Stem Cells, 2012, 30, 643-654.	3.2	92
182	PABP and the poly(A) tail augment microRNA repression by facilitated miRISC binding. Nature Structural and Molecular Biology, 2012, 19, 603-608.	8.2	100
183	Growth Inhibition by miR-519 via Multiple p21-Inducing Pathways. Molecular and Cellular Biology, 2012, 32, 2530-2548.	2.3	59
184	Cell-Secreted Vesicles in Equine Ovarian Follicular Fluid Contain miRNAs and Proteins: A Possible New Form of Cell Communication Within the Ovarian Follicle1. Biology of Reproduction, 2012, 86, 71.	2.7	310
185	MicroRNA profiles and their control of male gametophyte development in rice. Plant Molecular Biology, 2012, 80, 85-102.	3.9	40
186	Ribosome Profiling Shows That miR-430 Reduces Translation Before Causing mRNA Decay in Zebrafish. Science, 2012, 336, 233-237.	12.6	629
187	MiR-30a-5p suppresses tumor growth in colon carcinoma by targeting DTL. Carcinogenesis, 2012, 33, 732-739.	2.8	160

#	Article	IF	CITATIONS
188	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
189	Global analysis reveals multiple pathways for unique regulation of mRNA decay in induced pluripotent stem cells. Genome Research, 2012, 22, 1457-1467.	5.5	41
190	Enhancer of zeste homolog 2 epigenetically silences multiple tumor suppressor microRNAs to promote liver cancer metastasis. Hepatology, 2012, 56, 622-631.	7.3	255
191	What comes first: translational repression or mRNA degradation? The deepening mystery of microRNA function. Cell Research, 2012, 22, 1322-1324.	12.0	80
192	Dynamic mRNA and miRNA profiling of CHOâ€K1 suspension cell cultures. Biotechnology Journal, 2012, 7, 500-515.	3.5	83
193	The H19 lincRNA is a developmental reservoir of miR-675 that suppresses growth and Igf1r. Nature Cell Biology, 2012, 14, 659-665.	10.3	747
194	The mammalian microRNA response to bacterial infections. RNA Biology, 2012, 9, 742-750.	3.1	183
195	Autoregulation of microRNA biogenesis by let-7 and Argonaute. Nature, 2012, 486, 541-544.	27.8	203
196	High-resolution experimental and computational profiling of tissue-specific known and novel miRNAs in <i>Arabidopsis</i> . Genome Research, 2012, 22, 163-176.	5.5	140
197	MicroRNA-30c-2* limits expression of proadaptive factor XBP1 in the unfolded protein response. Journal of Cell Biology, 2012, 196, 689-698.	5.2	117
198	Structure of yeast Argonaute with guide RNA. Nature, 2012, 486, 368-374.	27.8	314
199	The physiological impact of microRNA gene regulation in the retina. Cellular and Molecular Life Sciences, 2012, 69, 2739-2750.	5.4	53
200	microRNAs in the regulation of dendritic cell functions in inflammation and atherosclerosis. Journal of Molecular Medicine, 2012, 90, 877-885.	3.9	27
201	Transcriptional Regulation of the GLAST/EAAT-1 Gene in Rat and Man. Cellular and Molecular Neurobiology, 2012, 32, 539-547.	3.3	22
202	miR-15b and miR-16 regulate TNF mediated hepatocyte apoptosis via BCL2 in acute liver failure. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 702-716.	4.9	83
203	Genetic Architecture of MicroRNA Expression: Implications for the Transcriptome and Complex Traits. American Journal of Human Genetics, 2012, 90, 1046-1063.	6.2	92
204	Widespread roles of microRNAs during zebrafish development and beyond. Development Growth and Differentiation, 2012, 54, 55-65.	1.5	41
205	Small non-coding RNAs mount a silent revolution in gene expression. Current Opinion in Cell Biology, 2012, 24, 333-340.	5.4	113

#	Article	IF	CITATIONS
206	Subcellular specialization of multifaceted 3′end modifying nucleotidyltransferases. Current Opinion in Cell Biology, 2012, 24, 314-322.	5.4	11
207	miR-106b impairs cholesterol efflux and increases Al ² levels by repressing ABCA1 expression. Experimental Neurology, 2012, 235, 476-483.	4.1	161
208	Inhibition of adenovirus multiplication by short interfering RNAs directly or indirectly targeting the viral DNA replication machinery. Antiviral Research, 2012, 94, 195-207.	4.1	35
209	Behavioral plasticity in honey bees is associated with differences in brain microRNA transcriptome. Genes, Brain and Behavior, 2012, 11, 660-670.	2.2	87
210	The Role of miRNA in Stem Cell Pluripotency and Commitment to the Vascular Endothelial Lineage. Microcirculation, 2012, 19, 196-207.	1.8	7
211	Low dose irradiation of thyroid cells reveals a unique transcriptomic and epigenetic signature in RET/PTC-positive cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 731, 27-40.	1.0	19
212	A complex â€~mRNA degradation code' controls gene expression during animal development. Trends in Genetics, 2012, 28, 78-88.	6.7	55
213	Apoptosis and micro <scp>RNA</scp> aberrations in cancer. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 739-746.	1.9	57
214	Genomics and the respiratory effects of air pollution exposure. Respirology, 2012, 17, 590-600.	2.3	70
215	Inhibition of microRNA function by antimiR oligonucleotides. Silence: A Journal of RNA Regulation, 2012, 3, 1.	8.1	456
216	Concerted functions of HDAC1 and microRNAâ€574â€5p repress alternatively spliced <i>ceramide synthase 1</i> expression in human cancer cells. EMBO Molecular Medicine, 2012, 4, 78-92.	6.9	53
217	Profiling of Epsteinâ€Barr virusâ€encoded microRNAs in nasopharyngeal carcinoma reveals potential biomarkers and oncomirs. Cancer, 2012, 118, 698-710.	4.1	135
218	MicroRNA networks direct neuronal development and plasticity. Cellular and Molecular Life Sciences, 2012, 69, 89-102.	5.4	202
219	Association of two SNPs in the coding region of the insulin-like growth factor 1 receptor (IGF1R) gene with growth-related traits in Angus cattle. Journal of Applied Genetics, 2013, 54, 305-308.	1.9	23
220	MicroRNA Cancer Regulation. Advances in Experimental Medicine and Biology, 2013, , .	1.6	17
221	MicroRNA Protocols. Methods in Molecular Biology, 2013, , .	0.9	2
222	MicroRNA expression profiling of human bone marrow mesenchymal stem cells during osteogenic differentiation reveals Osterix regulation by miR-31. Gene, 2013, 527, 321-331.	2.2	168
223	MicroRNAs and their putative targets in Brassica napusseed maturation. BMC Genomics, 2013, 14, 140.	2.8	99

#	Article	IF	CITATIONS
224	Combinatorial targeting of 2 different steps in adenoviral DNA replication by herpes simplex virus thymidine kinase and artificial microRNA expression for the inhibition of virus multiplication in the presence of ganciclovir. BMC Biotechnology, 2013, 13, 54.	3.3	5
225	Combining NMR and small angle X-ray and neutron scattering in the structural analysis of a ternary protein-RNA complex. Journal of Biomolecular NMR, 2013, 56, 17-30.	2.8	48
226	Epigenetic Mechanisms and Non-coding RNAs in Osteoarthritis. Current Rheumatology Reports, 2013, 15, 353.	4.7	49
227	Towards microRNA-based therapeutics for diabetic nephropathy. Diabetologia, 2013, 56, 444-456.	6.3	29
228	Role of miR-122 and lipid metabolism in HCV infection. Journal of Gastroenterology, 2013, 48, 169-176.	5.1	34
229	The role of rice microRNAs in abiotic stress responses. Journal of Plant Biology, 2013, 56, 187-197.	2.1	83
230	MicroRNAs and Cardiovascular Disease. Current Genetic Medicine Reports, 2013, 1, 30-38.	1.9	14
231	MicroRNA networks regulate development of brown adipocytes. Trends in Endocrinology and Metabolism, 2013, 24, 442-450.	7.1	61
232	MicroRNA or NMD: Why Have Two RNA Silencing Systems?. Journal of Genetics and Genomics, 2013, 40, 497-513.	3.9	6
233	miR-294/miR-302 Promotes Proliferation, Suppresses G1-S Restriction Point, and Inhibits ESC Differentiation through Separable Mechanisms. Cell Reports, 2013, 4, 99-109.	6.4	84
234	Apoptosis Deregulation in CLL. Advances in Experimental Medicine and Biology, 2013, 792, 151-171.	1.6	8
235	SMG1 is an ancient nonsenseâ€mediated <scp>mRNA</scp> decay effector. Plant Journal, 2013, 76, 800-810.	5.7	58
236	Ten Years of Progress in GW/P Body Research. Advances in Experimental Medicine and Biology, 2013, , .	1.6	5
237	Translational Landscape of Photomorphogenic <i>Arabidopsis</i> . Plant Cell, 2013, 25, 3699-3710.	6.6	168
238	The role of non-coding RNAs in diabetic nephropathy: Potential applications as biomarkers for disease development and progression. Diabetes Research and Clinical Practice, 2013, 99, 1-11.	2.8	96
239	MicroRNA-1291-mediated silencing of IRE1α enhances Glypican-3 expression. Rna, 2013, 19, 778-788.	3.5	41
240	Context-specific microRNA function in developmental complexity. Journal of Molecular Cell Biology, 2013, 5, 73-84.	3.3	39
241	Close association between paralogous multiple isomiRs and paralogous/orthologues miRNA sequences implicates dominant sequence selection across various animal species. Gene, 2013, 527, 624-629.	2.2	16

ARTICLE IF CITATIONS Molecular Insights into microRNA-Mediated Translational Repression in Plants. Molecular Cell, 2013, 242 9.7 229 52, 591-601. 243 Cardiovascular RNA Interference Therapy. Circulation Research, 2013, 113, 588-602. 4.5 MicroRNA-146 function in the innate immune transcriptome response of zebrafish embryos to 244 2.8 110 Salmonella typhimurium infection. BMC Genomics, 2013, 14, 696. MicroRNA-146a in autoimmunity and innate immune responses. Annals of the Rheumatic Diseases, 2013, 245 0.9 72, ii90-ii95. A global profiling of uncapped mRNAs under cold stress reveals specific decay patterns and 246 9.6 22 endonucleolytic cleavages in Brachypodium distachyon. Genome Biology, 2013, 14, R92. The identification of novel targets of miR-16 and characterization of their biological functions in 19.2 cancer cells. Molecular Cancer, 2013, 12, 92. 248 Comprehensive annotation of microRNA expression profiles. BMC Genetics, 2013, 14, 120. 2.7 14 A role for the miR396/<scp>GRF</scp> network in specification of organ type during flower development, as supported by ectopic expression of <i><scp>P</scp>opulus trichocarpa miR396c</i> 3.8 70 transgenic tobacco. Plant Biology, 2013, 15, 892-898. The double-stranded RNA binding domain of human Dicer functions as a nuclear localization signal. 250 3.5 77 Rna, 2013, 19, 1238-1252. Interplay between viruses and host mRNA degradation. Biochimica Et Biophysica Acta - Gene Regulatory 46 Mechanisms, 2013, 1829, 732-741. Reflections on Ten Years of History of, and Future Prospects for, GW182 and GW/P Body Research. 252 1.6 4 Advances in Experimental Medicine and Biology, 2013, 768, 261-270. The Role of GW182 Proteins in miRNA-Mediated Gene Silencing. Advances in Experimental Medicine and 1.6 105 Biology, 2013, 768, 147-163. Function of GW182 and GW Bodies in siRNA and miRNA Pathways. Advances in Experimental Medicine 254 1.6 22 and Biology, 2013, 768, 71-96. Placental trophoblast cell differentiation: Physiological regulation and pathological relevance to 6.4 preeclampsia. Molecular Aspects of Medicine, 2013, 34, 981-1023. Lost in translation. New unexplored avenues for neuropsychopharmacology: epigenetics and 256 32 4.1 microRNAs. Expert Opinion on Investigational Drugs, 2013, 22, 217-233. Lessons on RNA Silencing Mechanisms in Plants from Eukaryotic Argonaute Structures. Plant Cell, 120 2013, 25, 22-37. MicroRNA-7 Regulates the mTOR Pathway and Proliferation in Adult Pancreatic Î²-Cells. Diabetes, 2013, 258 0.6 177 62, 887-895. An adenoviral vector-based expression and delivery system for the inhibition of wild-type adenovirus 4.1 replication by artificial microRNAs. Antiviral Research, 2013, 97, 10-23.

#	Article	IF	CITATIONS
260	MicroRNA biogenesis: regulating the regulators. Critical Reviews in Biochemistry and Molecular Biology, 2013, 48, 51-68.	5.2	261
261	MicroRNA Expression Profiling of Human-Induced Pluripotent and Embryonic Stem Cells. Methods in Molecular Biology, 2013, 936, 247-256.	0.9	17
262	Joint analysis of miRNA and mRNA expression data. Briefings in Bioinformatics, 2013, 14, 263-278.	6.5	104
263	Prediction of personalized microRNA activity. Gene, 2013, 518, 101-106.	2.2	2
264	<scp>MicroRNAs</scp> , transforming growth factor betaâ€1, and tissue fibrosis. Journal of Pathology, 2013, 229, 274-285.	4.5	148
265	Clinical applications of retinal gene therapy. Progress in Retinal and Eye Research, 2013, 32, 22-47.	15.5	103
266	Non oding RNAs in DNA damage and repair. FEBS Letters, 2013, 587, 1832-1839.	2.8	74
267	The Decapping Scavenger Enzyme DCS-1 Controls MicroRNA Levels in Caenorhabditis elegans. Molecular Cell, 2013, 50, 281-287.	9.7	57
268	Complete genomic sequence of a Rubus yellow net virus isolate and detection of genome-wide pararetrovirus-derived small RNAs. Virus Research, 2013, 178, 306-313.	2.2	29
269	Eukaryote-Specific Insertion Elements Control Human ARGONAUTE Slicer Activity. Cell Reports, 2013, 3, 1893-1900.	6.4	91
270	Complementarity to an mi <scp>RNA</scp> seed region is sufficient to induce moderate repression of a target transcript in the unicellular green alga <i>Chlamydomonas reinhardtii</i> . Plant Journal, 2013, 76, 1045-1056.	5.7	40
271	Old and new functions for the adenovirus virus-associated RNAs. Future Virology, 2013, 8, 343-356.	1.8	17
272	Cellular functions of the microprocessor. Biochemical Society Transactions, 2013, 41, 838-843.	3.4	40
273	Editorial. Clinical Biochemistry, 2013, 46, 840-841.	1.9	5
274	An introduction to microRNAs and their dysregulation in psychiatric disorders. Tzu Chi Medical Journal, 2013, 25, 1-7.	1.1	8
275	Charity begins at home: non-coding RNA functions in DNA repair. Nature Reviews Molecular Cell Biology, 2013, 14, 181-189.	37.0	120
276	Potent microRNA suppression by RNA Pol II-transcribed †Tough Decoy' inhibitors. Rna, 2013, 19, 280-293.	3.5	71
277	A brief primer on microRNAs and their roles in angiogenesis. Vascular Cell, 2013, 5, 2.	0.2	41

#	Article	IF	CITATIONS
278	The Role of miRNAs in Regulating Gene Expression Networks. Journal of Molecular Biology, 2013, 425, 3582-3600.	4.2	330
279	The Identification of MicroRNAs in Calcisponges: Independent Evolution of MicroRNAs in Basal Metazoans. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2013, 320, 84-93.	1.3	18
280	Eukaryotic mRNA Decay: Methodologies, Pathways, and Links to Other Stages of Gene Expression. Journal of Molecular Biology, 2013, 425, 3750-3775.	4.2	125
281	Online resources for miRNA analysis. Clinical Biochemistry, 2013, 46, 879-900.	1.9	64
282	GW182 proteins cause PABP dissociation from silenced miRNA targets in the absence of deadenylation. EMBO Journal, 2013, 32, 1052-1065.	7.8	101
283	Dicer Deficiency Reveals MicroRNAs Predicted to Control Gene Expression in the Developing Adrenal Cortex. Molecular Endocrinology, 2013, 27, 754-768.	3.7	27
284	Eukaryotic Argonautes come into focus. Trends in Biochemical Sciences, 2013, 38, 263-271.	7.5	96
285	MicroRNAs in Human Cancer. Advances in Experimental Medicine and Biology, 2013, 774, 1-20.	1.6	606
286	miRNA profiling of cancer. Current Opinion in Genetics and Development, 2013, 23, 3-11.	3.3	394
287	Role of miRNAs in CD4 T cell plasticity during inflammation and tolerance. Frontiers in Genetics, 2013, 4, 8.	2.3	56
288	Safety assessment of food and feed from biotechnology-derived crops employing RNA-mediated gene regulation to achieve desired traits: A scientific review. Regulatory Toxicology and Pharmacology, 2013, 66, 167-176.	2.7	95
289	MicroRNA-17/20a functions to inhibit cell migration and can be used a prognostic marker in oral squamous cell carcinoma. Oral Oncology, 2013, 49, 923-931.	1.5	103
290	MicroRNAs in pluripotency, reprogramming and cell fate induction. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1894-1903.	4.1	51
291	Epigenetic dysregulation in hepatocellular carcinoma: focus on polycomb group proteins. Frontiers of Medicine, 2013, 7, 231-241.	3.4	20
292	Delivering the promise of miRNA cancer therapeutics. Drug Discovery Today, 2013, 18, 282-289.	6.4	260
293	MicroRNAs support the monophyly of enteropneust hemichordates. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2013, 320, 368-374.	1.3	24
294	Gene Identification: Reverse Genetics. , 2013, , 61-89.		2
295	Emerging Roles for miRNAs in the Development, Diagnosis, and Treatment of Diabetic Nephropathy. Current Diabetes Reports, 2013, 13, 582-591.	4.2	20

		CITATION REPORT		
#	Article		IF	Citations
296	Small RNAs: a new frontier in mosquito biology. Trends in Parasitology, 2013, 29, 295-30)3.	3.3	44
297	Antisense Oligonucleotides: Treating Neurodegeneration at the Level of RNA. Neurothera 10, 486-497.	apeutics, 2013,	4.4	133
298	Small RNAs derived from the $5\hat{a} \in 2$ end of tRNA can inhibit protein translation in human c 2013, 10, 553-563.	ells. RNA Biology,	3.1	277
299	Epigenetic mechanisms in multiple sclerosis: implications for pathogenesis and treatmen Neurology, The, 2013, 12, 195-206.	t. Lancet	10.2	123
300	Multiple cis-elements and trans-acting factors regulate dynamic spatio-temporal transcri in Caenorhabditis elegans. Developmental Biology, 2013, 374, 223-233.	ption of let-7	2.0	21
301	A novel strategy to inhibit the reproduction and translation of hepatitis C virus. Science (Sciences, 2013, 56, 293-297.	China Life	4.9	7
302	Argonaute proteins: functional insights and emerging roles. Nature Reviews Genetics, 20	13, 14, 447-459.	16.3	871
303	Argonaute Regulation: Two Roads to the Same Destination. Developmental Cell, 2013, 2	5, 553-554.	7.0	17
304	Natural Pathways towards Polyploidy in Animals: The <i>Squalius alburnoides</i> Fish Complex as a Model System to Study Genome Size a Reorganization in Polyploids. Cytogenetic and Genome Research, 2013, 140, 97-116.	nd Genome	1.1	39
305	Long QT syndrome: beyond the causal mutation. Journal of Physiology, 2013, 591, 4125	-4139.	2.9	53
306	A Possible Role for MicroRNA-141 Down-Regulation in Sunitinib Resistant Metastatic Cle Cell Carcinoma Through Induction of Epithelial-to-Mesenchymal Transition and Hypoxia F Journal of Urology, 2013, 189, 1930-1938.	ar Cell Renal Resistance.	0.4	61
307	Roquin Promotes Constitutive mRNA Decay via a Conserved Class of Stem-Loop Recogni Cell, 2013, 153, 869-881.	tion Motifs.	28.9	275
308	Blood microRNA changes in depressed patients during antidepressant treatment. Europe Neuropsychopharmacology, 2013, 23, 602-611.	an	0.7	197
309	Epilepsy and microRNA. Neuroscience, 2013, 238, 218-229.		2.3	103
310	Translation regulation gets its â€~omics' moment. Wiley Interdisciplinary Reviews RN	A, 2013, 4, 617-630.	6.4	44
311	MicroRNA-663 Regulates Human Vascular Smooth Muscle Cell Phenotypic Switch and Va Neointimal Formation. Circulation Research, 2013, 113, 1117-1127.	ascular	4.5	164
312	Comprehensive Protein-Based Artificial MicroRNA Screens for Effective Gene Silencing in Cell, 2013, 25, 1507-1522.	Plants. Plant	6.6	110
313	MicroRNA-124 Suppresses the Transactivation of Nuclear Factor of Activated T Cells by T Multiple Genes and Inhibits the Proliferation of Pulmonary Artery Smooth Muscle Cells. Ja Biological Chemistry, 2013, 288, 25414-25427.		3.4	111

#	Article	IF	CITATIONS
314	MicroRNA in Alzheimer's disease: an exploratory study in brain, cerebrospinal fluid and plasma. Biomarkers, 2013, 18, 455-466.	1.9	102
315	New Diagnostic, Therapeutic and Organizational Strategies for Acute Coronary Syndromes Patients. Contributions To Statistics, 2013, , .	0.2	0
316	miR-139-5p is a regulator of metastatic pathways in breast cancer. Rna, 2013, 19, 1767-1780.	3.5	137
317	Next-generation sequencing technologies and their potential impact on CHO cell-based biomanufacturing. Pharmaceutical Bioprocessing, 2013, 1, 455-465.	0.8	11
318	MicroRNA-122: A New Player in the Negative Regulation of LH Receptor Expression by the LH Receptor mRNA Binding Protein (LRBP). Endocrinology, 2013, 154, 4439-4442.	2.8	3
319	miRNAs in development and pathogenesis of the nervous system. Biochemical Society Transactions, 2013, 41, 815-820.	3.4	76
320	The Tumor-Suppressive miR-497-195 Cluster Targets Multiple Cell-Cycle Regulators in Hepatocellular Carcinoma. PLoS ONE, 2013, 8, e60155.	2.5	132
321	MicroRNA Expression Profile in Human Macrophages in Response to Leishmania major Infection. PLoS Neglected Tropical Diseases, 2013, 7, e2478.	3.0	125
322	SLC26A4 Targeted to the Endolymphatic Sac Rescues Hearing and Balance in Slc26a4 Mutant Mice. PLoS Genetics, 2013, 9, e1003641.	3.5	57
323	Loss of miR-10a Activates Lpo and Collaborates with Activated Wnt Signaling in Inducing Intestinal Neoplasia in Female Mice. PLoS Genetics, 2013, 9, e1003913.	3.5	51
324	Expression of human ARGONAUTE 2 inhibits endogenous microRNA activity in Arabidopsis. Frontiers in Plant Science, 2013, 4, 96.	3.6	2
325	Functional Genomic Analysis of the let-7 Regulatory Network in Caenorhabditis elegans. PLoS Genetics, 2013, 9, e1003353.	3.5	43
326	Nucleolin Mediates MicroRNA-directed CSF-1 mRNA Deadenylation but Increases Translation of CSF-1 mRNA. Molecular and Cellular Proteomics, 2013, 12, 1661-1677.	3.8	39
327	Oxidative Stress and MicroRNAs in Vascular Diseases. International Journal of Molecular Sciences, 2013, 14, 17319-17346.	4.1	161
328	Human bronchial epithelial cells exposed in vitro to cigarette smoke at the air-liquid interface resemble bronchial epithelium from human smokers. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 304, L489-L503.	2.9	133
329	MicroRNA-17â^1⁄492 plays a causative role in lymphomagenesis by coordinating multiple oncogenic pathways. EMBO Journal, 2013, 32, 2377-2391.	7.8	123
330	Noncoding RNA in Oncogenesis: A New Era of Identifying Key Players. International Journal of Molecular Sciences, 2013, 14, 18319-18349.	4.1	94
331	miMsg: a target enrichment algorithm for predicted miR–mRNA interactions based on relative ranking of matched expression data. Bioinformatics, 2013, 29, 1638-1646.	4.1	6

#	Article	IF	CITATIONS
332	Control of Translation and miRNA-Dependent Repression by a Novel Poly(A) Binding Protein, hnRNP-Q. PLoS Biology, 2013, 11, e1001564.	5.6	47
333	Argonaute and GW182 proteins: an effective alliance in gene silencing. Biochemical Society Transactions, 2013, 41, 855-860.	3.4	62
334	miR-1 and miR-206 target different genes to have opposing roles during angiogenesis in zebrafish embryos. Nature Communications, 2013, 4, 2829.	12.8	57
335	The interactions of GW182 proteins with PABP and deadenylases are required for both translational repression and degradation of miRNA targets. Nucleic Acids Research, 2013, 41, 978-994.	14.5	102
336	MicroRNA-16 affects key functions of human endothelial progenitor cells. Journal of Leukocyte Biology, 2013, 93, 645-655.	3.3	38
337	Small Interfering RNA–Mediated Translation Repression Alters Ribosome Sensitivity to Inhibition by Cycloheximide in <i>Chlamydomonas reinhardtii</i> Â. Plant Cell, 2013, 25, 985-998.	6.6	25
338	Structural features of Argonaute–GW182 protein interactions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3770-9.	7.1	98
339	Drug Metabolism and Pharmacogenetics. , 2013, , 58-69.		0
340	Research progress in physiological and molecular biology mechanism of drought resistance in rice. American Journal of Molecular Biology, 2013, 03, 102-107.	0.3	14
341	miRNAs: Small Genes with Big Potential in Metazoan Phylogenetics. Molecular Biology and Evolution, 2013, 30, 2369-2382.	8.9	118
342	The Evolution of MicroRNA Pathway Protein Components in Cnidaria. Molecular Biology and Evolution, 2013, 30, 2541-2552.	8.9	57
343	Combinatorial mRNA binding by AUF1 and Argonaute 2 controls decay of selected target mRNAs. Nucleic Acids Research, 2013, 41, 2644-2658.	14.5	37
344	miRISC recruits decapping factors to miRNA targets to enhance their degradation. Nucleic Acids Research, 2013, 41, 8692-8705.	14.5	69
345	MicroRNAs in Cardiovascular Regenerative Medicine: Directing Tissue Repair and Cellular Differentiation. ISRN Vascular Medicine, 2013, 2013, 1-16.	0.7	13
346	Trip to ER. RNA Biology, 2013, 10, 1586-1592.	3.1	16
347	Vitamin D activation of functionally distinct regulatory miRNAs in primary human osteoblasts. Journal of Bone and Mineral Research, 2013, 28, 1478-1488.	2.8	72
348	Timescales and bottlenecks in miRNAâ€dependent gene regulation. Molecular Systems Biology, 2013, 9, 711.	7.2	54
349	The plasminogen activator system in the ovine placentome during late gestation and stageâ€ŧwo of parturition. Molecular Reproduction and Development, 2013, 80, 466-473.	2.0	3

#	Article	IF	Citations
350	Identifying hsa-miR-122 target sites in HCV isolate JFH-1. , 2013, , .		0
351	Role of Rck-Pat1b binding in assembly of processing-bodies. RNA Biology, 2013, 10, 528-539.	3.1	17
352	Multiple mechanisms repress N-Bak mRNA translation in the healthy and apoptotic neurons. Cell Death and Disease, 2013, 4, e777-e777.	6.3	16
353	Lamin B1 fluctuations have differential effects on cellular proliferation and senescence. Journal of Cell Biology, 2013, 200, 605-617.	5.2	193
354	MicroRNA Profiling of Sendai Virus-Infected A549 Cells Identifies miR-203 as an Interferon-Inducible Regulator of IFIT1/ISG56. Journal of Virology, 2013, 87, 9260-9270.	3.4	33
355	A method for predicting RNA-protein interaction and interaction sites. , 2013, , .		0
356	An engineered small RNA-mediated genetic switch based on a ribozyme expression platform. Nucleic Acids Research, 2013, 41, 5542-5552.	14.5	31
357	Variation in the interaction between alleles of <i>HvAPETALA2</i> and microRNA172 determines the density of grains on the barley inflorescence. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16675-16680.	7.1	121
358	Circulating Levels of miRâ€133a Predict the Regression Potential of Left Ventricular Hypertrophy After Valve Replacement Surgery in Patients With Aortic Stenosis. Journal of the American Heart Association, 2013, 2, e000211.	3.7	40
359	Pathogenic arterial remodeling: the good and bad of microRNAs. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H1050-H1059.	3.2	97
361	Expression of miR-486 is a potential prognostic factor after nephrectomy in advanced renal cell carcinoma. Molecular and Clinical Oncology, 2013, 1, 235-240.	1.0	22
362	MicroRNA Target Identification—Experimental Approaches. Biology, 2013, 2, 189-205.	2.8	37
363	The genetics of multiple sclerosis: review of current and emerging candidates. The Application of Clinical Genetics, 2013, 6, 63.	3.0	41
364	Aminopeptidase O. , 2013, , 438-442.		0
365	Commentary: (Research Highlights: "MiRNAcles―in Brain). CNS and Neurological Disorders - Drug Targets, 2013, 12, 717-718.	1.4	1
366	Differential microRNA Profiles and Their Functional Implications in Different Immunogenetic Subsets of Chronic Lymphocytic Leukemia. Molecular Medicine, 2013, 19, 115-123.	4.4	46
367	Complex Degradation Processes Lead to Non-Exponential Decay Patterns and Age-Dependent Decay Rates of Messenger RNA. PLoS ONE, 2013, 8, e55442.	2.5	39
368	elF4GI Facilitates the MicroRNA-Mediated Gene Silencing. PLoS ONE, 2013, 8, e55725.	2.5	12

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#	Article	IF	CITATIONS
369	MicroRNA-Based Promotion of Human Neuronal Differentiation and Subtype Specification. PLoS ONE, 2013, 8, e59011.	2.5	73
370	The 5′ Spreading of Small RNAs in Dictyostelium discoideum Depends on the RNA-Dependent RNA Polymerase RrpC and on the Dicer-Related Nuclease DrnB. PLoS ONE, 2013, 8, e64804.	2.5	6
371	Intestinal Salmonella typhimurium Infection Leads to miR-29a Induced Caveolin 2 Regulation. PLoS ONE, 2013, 8, e67300.	2.5	46
372	The miRNA and mRNA Signatures of Peripheral Blood Cells in Humans Infected with Trypanosoma brucei gambiense. PLoS ONE, 2013, 8, e67312.	2.5	9
373	Aflatoxin B1 Negatively Regulates Wnt∫î²-Catenin Signaling Pathway through Activating miR-33a. PLoS ONE, 2013, 8, e73004.	2.5	56
374	Dual Regulation of the lin-14 Target mRNA by the lin-4 miRNA. PLoS ONE, 2013, 8, e75475.	2.5	9
375	Small RNA Profiling of Influenza A Virus-Infected Cells Identifies miR-449b as a Regulator of Histone Deacetylase 1 and Interferon Beta. PLoS ONE, 2013, 8, e76560.	2.5	39
376	Dicer Expression Exhibits a Tissue-Specific Diurnal Pattern That Is Lost during Aging and in Diabetes. PLoS ONE, 2013, 8, e80029.	2.5	42
377	Neurobiological Signatures of Alcohol Dependence Revealed by Protein Profiling. PLoS ONE, 2013, 8, e82656.	2.5	29
378	Genome-wide assessment of post-transcriptional control in the fly brain. Frontiers in Molecular Neuroscience, 2013, 6, 49.	2.9	9
379	Micromanaging Abdominal Aortic Aneurysms. International Journal of Molecular Sciences, 2013, 14, 14374-14394.	4.1	25
380	Influence of microRNA on the Maintenance of Human Iron Metabolism. Nutrients, 2013, 5, 2611-2628.	4.1	48
381	Post-Transcriptional Regulation of Proto-Oncogene c-fms in Breast Cancer. , 0, , .		1
382	Identifying MicroRNAs and Transcript Targets in Jatropha Seeds. PLoS ONE, 2014, 9, e83727.	2.5	35
383	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
384	A microRNA Signature Associated with Early Recurrence in Breast Cancer. PLoS ONE, 2014, 9, e91884.	2.5	72
385	miR-200c Regulates IL8 Expression by Targeting IKBKB: A Potential Mediator of Inflammation in Leiomyoma Pathogenesis. PLoS ONE, 2014, 9, e95370.	2.5	58
386	Anti-PABPC1 Co-Immunoprecipitation for Examining the miRNAs Directly Targeting the 3′-UTR of EED mRNA. PLoS ONE, 2014, 9, e103695.	2.5	2

#	Article	IF	CITATIONS
387	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
388	Differential Expression of microRNAs in Francisella tularensis-Infected Human Macrophages: miR-155-Dependent Downregulation of MyD88 Inhibits the Inflammatory Response. PLoS ONE, 2014, 9, e109525.	2.5	51
389	A Mutation in cnot8, Component of the Ccr4-Not Complex Regulating Transcript Stability, Affects Expression Levels of Developmental Regulators and Reveals a Role of Fgf3 in Development of Caudal Hypothalamic Dopaminergic Neurons. PLoS ONE, 2014, 9, e113829.	2.5	14
390	Myocardial Reprogramming Medicine: The Development, Application, and Challenge of Induced Pluripotent Stem Cells. New Journal of Science, 2014, 2014, 1-22.	1.0	2
391	NMDA receptor-dependent regulation of miRNA expression and association with Argonaute during LTP in vivo. Frontiers in Cellular Neuroscience, 2014, 7, 285.	3.7	19
392	The Future of Collateral Artery Research. Current Cardiology Reviews, 2014, 10, 73-86.	1.5	21
393	Identification of novel and conserved microRNAs in Coffea canephora and Coffea arabica. Genetics and Molecular Biology, 2014, 37, 671-682.	1.3	15
394	Advances in highly specific plant gene silencing by artificial miRNAs. African Journal of Biotechnology, 2014, 13, 1929-1932.	0.6	0
395	Viruses and MicroRNAs. , 2014, , .		0
396	Perspective of MiRNAs in Clinical Glioblastoma Research. Current Signal Transduction Therapy, 2014, 9, 32-37.	0.5	0
397	Acute kidney injury: a paradigm for miRNA regulation of the cell cycle. Biochemical Society Transactions, 2014, 42, 1219-1223.	3.4	23
398	miR-326 Is Downstream of Sonic Hedgehog Signaling and Regulates the Expression of Gli2 and Smoothened. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 273-283.	2.9	43
400	MicroRNA-mediated regulation of extracellular matrix formation modulates somatic cell reprogramming. Rna, 2014, 20, 1900-1915.	3.5	23
401	Global population-specific variation in miRNA associated with cancer risk and clinical biomarkers. BMC Medical Genomics, 2014, 7, 53.	1.5	90
402	Identification of differentially expressed microRNAs from a male sterile Ponkan mandarin (Citrus) Tj ETQq0 0 0 rg Genomes, 2014, 10, 1567-1581.	BT /Overlc 1.6	ock 10 Tf 50 I 14
403	Small molecules, big effects: the role of microRNAs in regulation of cardiomyocyte death. Cell Death and Disease, 2014, 5, e1325-e1325.	6.3	50
404	miR126-5p repression of ALCAM and SetD5 in endothelial cells regulates leucocyte adhesion and transmigration. Cardiovascular Research, 2014, 102, 436-447.	3.8	48
405	Versatile microRNA biogenesis in animals and their viruses. RNA Biology, 2014, 11, 673-681.	3.1	52

#	Article	IF	CITATIONS
406	Bistable Switch in let-7 miRNA Biogenesis Pathway Involving Lin28. International Journal of Molecular Sciences, 2014, 15, 19119-19133.	4.1	4
407	Point-of-care Diagnostic Tools to Detect Circulating MicroRNAS as Biomarkers of Disease. Sensors, 2014, 14, 9117-9131.	3.8	23
408	The Potential of MicroRNAs in Personalized Medicine against Cancers. BioMed Research International, 2014, 2014, 1-10.	1.9	26
409	Exploring the miRNA Regulatory Network Using Evolutionary Correlations. PLoS Computational Biology, 2014, 10, e1003860.	3.2	7
410	Testing the efficiency of plant artificial microRNAs by transient expression in Nicotiana benthamiana reveals additional action at the translational level. Frontiers in Plant Science, 2014, 5, 622.	3.6	20
411	Nitric Oxide, Oxidative Stress, and < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"> < mml:mrow> < mml:msup> < mml:mrow > < mml:mtext > p < /mml:mtext > < mml:mtext > 66 < /mml:mtext > < /m in Diabetic Endothelial Dysfunction. BioMed Research International, 2014, 2014, 1-16.	۱m t:19 1row)	⊳≺เฒ _ิ สาใ:mrowa
412	Female Aging Alters Expression of Human Cumulus Cells Genes that Are Essential for Oocyte Quality. BioMed Research International, 2014, 2014, 1-10.	1.9	73
413	Deadenylation of mRNA by the CCR4ââ,¬â€œNOT complex in Drosophila: molecular and developmental aspects. Frontiers in Genetics, 2014, 5, 143.	2.3	81
414	Integrative Analysis of miRNA-mRNA and miRNA-miRNA Interactions. BioMed Research International, 2014, 2014, 1-8.	1.9	45
415	Noncoding RNAs: Emerging Players in Muscular Dystrophies. BioMed Research International, 2014, 2014, 2014, 1-12.	1.9	17
416	Analysis options for high-throughput sequencing in miRNA expression profiling. BMC Research Notes, 2014, 7, 144.	1.4	75
417	MicroRNAs regulate vascular smooth muscle cell functions in atherosclerosis (Review). International Journal of Molecular Medicine, 2014, 34, 923-933.	4.0	88
418	MicroRNAâ€122 Overexpression Promotes Hepatic Differentiation of Human Adipose Tissueâ€Derived Stem Cells. Journal of Cellular Biochemistry, 2014, 115, 1582-1593.	2.6	45
419	Differential regulation of aggressive features in melanoma cells by members of the miR-17-92 complex. Open Biology, 2014, 4, 140030.	3.6	11
420	Novel Synthetic <i>Medea</i> Selfish Genetic Elements Drive Population Replacement in <i>Drosophila</i> ; a Theoretical Exploration of <i>Medea</i> -Dependent Population Suppression. ACS Synthetic Biology, 2014, 3, 915-928.	3.8	98
422	Development of micro <scp>RNA</scp> therapeutics is coming of age. EMBO Molecular Medicine, 2014, 6, 851-864.	6.9	526
423	Ultra‣pecific Zeptomole MicroRNA Detection by Plasmonic Nanowire Interstice Sensor with Biâ€Temperature Hybridization. Small, 2014, 10, 4200-4206.	10.0	19
424	Cnidarian microRNAs frequently regulate targets by cleavage. Genome Research, 2014, 24, 651-663.	5.5	104

ARTICLE IF CITATIONS Competition and collaboration between <scp>RNA</scp>â€binding proteins and <scp>microRNAs</scp>. 425 39 6.4 Wiley Interdisciplinary Reviews RNA, 2014, 5, 69-86. Uridylation by TUT4 and TUT7 Marks mRNA for Degradation. Cell, 2014, 159, 1365-1376. 426 28.9 243 miRâ€20b regulates expression of proteinaseâ€activated receptorâ€1 (PARâ€1) thrombin receptor in melanoma 427 3.3 27 cells. Pigment Cell and Melanoma Research, 2014, 27, 431-441. Molecular Mechanisms Underpinning the Development of Obesity., 2014,,. 428 Converging pathways involving microRNA-206 and the RNA-binding protein KSRP control post-transcriptionally utrophin A expression in skeletal muscle. Nucleic Acids Research, 2014, 42, 429 14.5 23 3982-3997. A Three-microRNA Signature Predicts Responses to Platinum-Based Doublet Chemotherapy in Patients with Lung Adenocarcinoma. Clinical Cancer Research, 2014, 20, 4784-4793. TGF-β–inducible microRNA-183 silences tumor-associated natural killer cells. Proceedings of the 431 7.1 178 National Academy of Sciences of the United States of America, 2014, 111, 4203-4208. NOD2 Expression is Regulated by microRNAs in Colonic Epithelial HCT116 Cells. Inflammatory Bowel 1.9 90 Diseases, 2014, 20, 126-135. Divergent Influence of MicroRNA-21 Deletion on Murine Colitis Phenotypes. Inflammatory Bowel 433 1.9 24 Diseases, 2014, 20, 1972-1985. Epigenetics of pituitary tumours. Current Opinion in Endocrinology, Diabetes and Obesity, 2014, 21, 434 2.3 299-305. Micro spies from the brain to the periphery: new clues from studies on microRNAs in neuropsychiatric 435 100 3.7 disorders. Frontiers in Cellular Neuroscience, 2014, 8, 75. siPools: highly complex but accurately defined siRNA pools eliminate off-target effects. Nucleic Acids 14.5 Research, 2014, 42, 8049-8061. MicroRNA and Drug Delivery., 2014, , 359-403. 437 0 Measuring Expression Levels of Small Regulatory RNA Molecules from Body Fluids and Formalin-Fixed, Paraffin-Embedded Samples. Methods in Molecular Biology, 2014, 1182, 105-119. Similarity in targets with REST points to neural and glioblastoma related miRNAs. Nucleic Acids 439 14.5 5 Research, 2014, 42, 5436-5446. The Human Genome, Gene Regulation, and Genomic Variation., 2014, , 41-56. 440 MicroRNAs in the Neural Retina. International Journal of Genomics, 2014, 2014, 1-14. 441 1.6 40

The Role of microRNAs in Bovine Infection and Immunity. Frontiers in Immunology, 2014, 5, 611.

CITATION REPORT

4.8

442

#

#	Article	IF	CITATIONS
443	Regulation of Cardiac Cell Fate by microRNAs: Implications for Heart Regeneration. Cells, 2014, 3, 996-1026.	4.1	25
444	Chemokine receptor CCR6 expression is regulated by miR-518a-5p in colorectal cancer cells. Journal of Translational Medicine, 2014, 12, 48.	4.4	19
445	MicroRNA-205 Regulates the Calcification and Osteoblastic Differentiation of Vascular Smooth Muscle Cells. Cellular Physiology and Biochemistry, 2014, 33, 1945-1953.	1.6	56
446	MicroRNAs and reactive oxygen species: Are they in the same regulatory circuit?. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 764-765, 64-71.	1.7	21
447	mRNA and miRNA expression patterns associated to pathways linked to metal mixture health effects. Gene, 2014, 533, 508-514.	2.2	54
448	MicroRNA let-7a-3 gene methylation is associated with karyotyping, CEBPA promoter methylation, and survival in acute myeloid leukemia. Leukemia Research, 2014, 38, 625-631.	0.8	11
449	Viral miRNA targeting of bicistronic and polycistronic transcripts. Current Opinion in Virology, 2014, 7, 66-72.	5.4	12
450	Early-life seizures in predisposing neuronal preconditioning: A critical review. Life Sciences, 2014, 94, 92-98.	4.3	8
451	Structurally flexible triethanolamine-core poly(amidoamine) dendrimers as effective nanovectors to deliver RNAi-based therapeutics. Biotechnology Advances, 2014, 32, 844-852.	11.7	56
452	Seasonal variation of urinary microRNA expression in male goats (Capra hircus) as assessed by next generation sequencing. General and Comparative Endocrinology, 2014, 199, 1-15.	1.8	10
453	An mRNA-Derived Noncoding RNA Targets and Regulates the Ribosome. Molecular Cell, 2014, 54, 147-155.	9.7	71
454	Global miRNA expression analysis of serous and clear cell ovarian carcinomas identifies differentially expressed miRNAs including miR-200c-3p as a prognostic marker. BMC Cancer, 2014, 14, 80.	2.6	102
455	RNA interference: concept to reality in crop improvement. Planta, 2014, 239, 543-564.	3.2	185
456	P2Y2 receptor activation inhibits the expression of the sodium-chloride cotransporter NCC in distal convoluted tubule cells. Pflugers Archiv European Journal of Physiology, 2014, 466, 2035-2047.	2.8	10
457	TAIL-seq: Genome-wide Determination of Poly(A) Tail Length and 3′ End Modifications. Molecular Cell, 2014, 53, 1044-1052.	9.7	402
458	Genome-wide mRNA and miRNA analysis of peripheral blood mononuclear cells (PBMC) reveals different miRNAs regulating HIV/HCV co-infection. Virology, 2014, 450-451, 336-349.	2.4	35
459	Advances in identification and validation of plant <scp>microRNAs</scp> and their target genes. Physiologia Plantarum, 2014, 152, 203-218.	5.2	17
460	Assembly and function of small RNA – Argonaute protein complexes. Biological Chemistry, 2014, 395, 611-629.	2.5	72

#	Article	IF	CITATIONS
461	<scp>miRNA</scp> Âsponges:ÂsoakingÂupÂ <scp>miRNAs</scp> for regulation of gene expression. Wiley Interdisciplinary Reviews RNA, 2014, 5, 317-333.	6.4	199
462	Regulating the Ribosome: A Spotlight on RNA Dark Matter. Molecular Cell, 2014, 54, 1-2.	9.7	23
463	Genetics of Epstein–Barr virus microRNAs. Seminars in Cancer Biology, 2014, 26, 52-59.	9.6	87
464	A nuclear perspective on RNAi pathways in metazoans. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2014, 1839, 223-233.	1.9	18
465	Structural and Biochemical Insights to the Role of the CCR4-NOT Complex and DDX6 ATPase in MicroRNA Repression. Molecular Cell, 2014, 54, 751-765.	9.7	276
466	A DDX6-CNOT1 Complex and W-Binding Pockets in CNOT9 Reveal Direct Links between miRNA Target Recognition and Silencing. Molecular Cell, 2014, 54, 737-750.	9.7	242
467	Small Noncoding RNAs in Cells Transformed by Human T-Cell Leukemia Virus Type 1: a Role for a tRNA Fragment as a Primer for Reverse Transcriptase. Journal of Virology, 2014, 88, 3612-3622.	3.4	116
468	ZNF281/ZBP-99: a new player in epithelial–mesenchymal transition, stemness, and cancer. Journal of Molecular Medicine, 2014, 92, 571-581.	3.9	36
469	<i>Tomato ringspot virus</i> Coat Protein Binds to ARGONAUTE 1 and Suppresses the Translation Repression of a Reporter Gene. Molecular Plant-Microbe Interactions, 2014, 27, 933-943.	2.6	54
470	miRNA Biogenesis and Function. , 2014, , 3-28.		3
471	MicroRNA binding sites in the coding region of mRNAs: Extending the repertoire of postâ€ŧranscriptional gene regulation. BioEssays, 2014, 36, 617-626.	2.5	156
474	The role of microRNAs in hepatitis C virus RNA replication. Archives of Virology, 2014, 159, 849-862.	2.1	61
475	Epigenetics and the IRFs: A complex interplay in the control of immunity and autoimmunity. Autoimmunity, 2014, 47, 242-255.	2.6	16
476	The network of P-glycoprotein and microRNAs interactions. International Journal of Cancer, 2014, 135, 253-263.	5.1	52
477	Pathogenesis of Abdominal Aortic Aneurysms: MicroRNAs, Proteases, Genetic Associations. Annual Review of Medicine, 2014, 65, 49-62.	12.2	58
478	Stereotyped B-cell receptors in chronic lymphocytic leukemia. Leukemia and Lymphoma, 2014, 55, 2252-2261.	1.3	21
479			
779	A genomic portrait of the genetic architecture and regulatory impact of microRNA expression in response to infection. Genome Research, 2014, 24, 850-859.	5.5	60

#	Article	IF	CITATIONS
481	Selective distribution and dynamic modulation of miRNAs in the synapse and its possible role in Alzheimer's Disease. Brain Research, 2014, 1584, 80-93.	2.2	24
482	Participation of miR-200a in TGF-β1-mediated hepatic stellate cell activation. Molecular and Cellular Biochemistry, 2014, 388, 11-23.	3.1	70
483	Synaptic control of local translation: the plot thickens with new characters. Cellular and Molecular Life Sciences, 2014, 71, 2219-2239.	5.4	31
484	miRNomics: MicroRNA Biology and Computational Analysis. Methods in Molecular Biology, 2014, , .	0.9	15
485	Resources for Functional Genomics Studies in <i>Drosophila melanogaster</i> . Genetics, 2014, 197, 1-18.	2.9	61
486	Clobal 3′ UTR shortening has a limited effect on protein abundance in proliferating T cells. Nature Communications, 2014, 5, 5465.	12.8	164
487	The Emerging Roles of MicroRNAs in the Pathogenesis of Frontotemporal Dementia–Amyotrophic Lateral Sclerosis (FTD-ALS) Spectrum Disorders. Journal of Neurogenetics, 2014, 28, 30-40.	1.4	46
488	Argonaute-1 binds transcriptional enhancers and controls constitutive and alternative splicing in human cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15622-15629.	7.1	86
489	MicroRNA-mediated multi-tissue detargeting of oncolytic measles virus. Cancer Gene Therapy, 2014, 21, 373-380.	4.6	53
490	New Generation of Artificial MicroRNA and Synthetic Trans-Acting Small Interfering RNA Vectors for Efficient Gene Silencing in Arabidopsis. Plant Physiology, 2014, 165, 15-29.	4.8	119
491	microRNA 376a regulates follicle assembly by targeting Pcna in fetal and neonatal mouse ovaries. Reproduction, 2014, 148, 43-54.	2.6	55
492	High miR-21 expression from FFPE tissues is associated with poor survival and response to adjuvant chemotherapy in colon cancer. International Journal of Cancer, 2014, 134, 1926-1934.	5.1	79
493	Seq and CLIP through the miRNA world. Genome Biology, 2014, 15, 202.	9.6	20
494	MicroRNAs in the interaction between host and bacterial pathogens. FEBS Letters, 2014, 588, 4140-4147.	2.8	145
495	RNA Interference. , 2014, , 1-4.		0
497	The proteome under translational control. Proteomics, 2014, 14, 2647-2662.	2.2	38
498	Pro-apoptotic BIM is an essential initiator of physiological endothelial cell death independent of regulation by FOXO3. Cell Death and Differentiation, 2014, 21, 1687-1695.	11.2	19
499	Differential expression of microRNA in peripheral blood mononuclear cells as specific biomarker for major depressive disorder patients. Journal of Psychiatric Research, 2014, 59, 45-52.	3.1	115

#	Article	IF	Citations
500	A genome-wide screen for non-template nucleotides and isomiR repertoires in miRNAs indicates dynamic and versatile microRNAome. Molecular Biology Reports, 2014, 41, 6649-6658.	2.3	20
501	Regulation of microRNA-mediated gene silencing by microRNA precursors. Nature Structural and Molecular Biology, 2014, 21, 825-832.	8.2	23
502	MicroRNA-Mediated Regulation of Dp53 in the Drosophila Fat Body Contributes to Metabolic Adaptation to Nutrient Deprivation. Cell Reports, 2014, 8, 528-541.	6.4	50
503	Integrative cross-omics analysis in primary mouse hepatocytes unravels mechanisms of cyclosporin A-induced hepatotoxicity. Toxicology, 2014, 324, 18-26.	4.2	21
504	Import routes and nuclear functions of Argonaute and other small RNA-silencing proteins. Trends in Biochemical Sciences, 2014, 39, 420-431.	7.5	61
505	Control of mRNA turnover: Implication of cytoplasmic RNA granules. Seminars in Cell and Developmental Biology, 2014, 34, 15-23.	5.0	33
506	Ancient Endo-siRNA Pathways Reveal NewÂTricks. Current Biology, 2014, 24, R703-R715.	3.9	66
507	Regulation of microRNA function in somatic stem cell proliferation and differentiation. Nature Reviews Molecular Cell Biology, 2014, 15, 565-576.	37.0	331
508	Engineered plant virus resistance. Plant Science, 2014, 228, 11-25.	3.6	74
509	MicroRNA-183 promotes proliferation and invasion in oesophageal squamous cell carcinoma by targeting programmed cell death 4. British Journal of Cancer, 2014, 111, 2003-2013.	6.4	55
510	Evolutionary dynamics of coding and non-coding transcriptomes. Nature Reviews Genetics, 2014, 15, 734-748.	16.3	209
512	Serum microRNA profiles in children with autism. Molecular Autism, 2014, 5, 40.	4.9	174
513	Expanded identification and characterization of mammalian circular RNAs. Genome Biology, 2014, 15, 409.	8.8	1,361
514	Role of the mTORC1 Complex in Satellite Cell Activation by RNA-Induced Mitochondrial Restoration: Dual Control of Cyclin D1 through MicroRNAs. Molecular and Cellular Biology, 2014, 34, 3594-3606.	2.3	22
515	MicroRNA-132, -134, and -138: a microRNA troika rules in neuronal dendrites. Cellular and Molecular Life Sciences, 2014, 71, 3987-4005.	5.4	91
516	Understanding principles of <scp>miRNA</scp> target recognition and function through integrated biological and bioinformatics approaches. Wiley Interdisciplinary Reviews RNA, 2014, 5, 361-379.	6.4	60
518	Identification and consequences of miRNA–target interactions — beyond repression of gene expression. Nature Reviews Genetics, 2014, 15, 599-612.	16.3	556
519	Regulation of microRNA biogenesis. Nature Reviews Molecular Cell Biology, 2014, 15, 509-524.	37.0	4,396

#	Article	IF	CITATIONS
520	Characterization of microRNAs differentially expressed during bovine follicle development. Reproduction, 2014, 148, 271-283.	2.6	87
521	Evidence for the biogenesis of more than 1,000 novel human microRNAs. Genome Biology, 2014, 15, R57.	9.6	222
522	GluA2 mRNA distribution and regulation by miR-124 in hippocampal neurons. Molecular and Cellular Neurosciences, 2014, 61, 1-12.	2.2	46
523	A challenge for miRNA: multiple isomiRs in miRNAomics. Gene, 2014, 544, 1-7.	2.2	105
524	Single Molecule Fluorescence Approaches Shed Light on Intracellular RNAs. Chemical Reviews, 2014, 114, 3224-3265.	47.7	73
525	Hyaluronic acid-chitosan nanoparticles for co-delivery of MiR-34a and doxorubicin in therapy against triple negative breast cancer. Biomaterials, 2014, 35, 4333-4344.	11.4	427
526	12p microRNA expression in fibroblast cell lines from probands with Pallister-Killian syndrome. Chromosome Research, 2014, 22, 453-461.	2.2	12
527	The role of microRNAs in lymphopoiesis. International Journal of Hematology, 2014, 100, 246-253.	1.6	32
528	Mitochondrial MicroRNAs and Their Potential Role in Cell Function. Current Pathobiology Reports, 2014, 2, 123-132.	3.4	17
529	High throughput sequencing of two celery varieties small RNAs identifies microRNAs involved in temperature stress response. BMC Genomics, 2014, 15, 242.	2.8	56
530	Regulation of ACVR1 and ID2 by cell-secreted exosomes during follicle maturation in the mare. Reproductive Biology and Endocrinology, 2014, 12, 44.	3.3	74
531	Zygotic Genome Activation During the Maternal-to-Zygotic Transition. Annual Review of Cell and Developmental Biology, 2014, 30, 581-613.	9.4	469
533	Novel roles of the <scp>CCR4–NOT</scp> complex. Wiley Interdisciplinary Reviews RNA, 2014, 5, 883-901.	6.4	19
534	The Period protein homolog LIN-42 negatively regulates microRNA biogenesis in C. elegans. Developmental Biology, 2014, 390, 126-135.	2.0	24
535	BRIC-seq: A genome-wide approach for determining RNA stability in mammalian cells. Methods, 2014, 67, 55-63.	3.8	64
536	Human micro <scp>RNA</scp> hsaâ€mi <scp>R</scp> â€1231 suppresses hepatitis <scp>B</scp> virus replication by targeting core m <scp>RNA</scp> . Journal of Viral Hepatitis, 2014, 21, e89-97.	2.0	42
537	MiR-506 inhibits PRRSV replication in MARC-145 cells via CD151. Molecular and Cellular Biochemistry, 2014, 394, 275-281.	3.1	38
538	RNAi mediates post-transcriptional repression of gene expression in fission yeast Schizosaccharomyces pombe. Biochemical and Biophysical Research Communications, 2014, 444, 254-259.	2.1	18

#	Article	IF	CITATIONS
539	3′ UTR-Dependent, miR-92-Mediated Restriction of Tis21 Expression Maintains Asymmetric Neural Stem Cell Division to Ensure Proper Neocortex Size. Cell Reports, 2014, 7, 398-411.	6.4	42
540	Mir-20a regulates in vitro mineralization and BMP signaling pathway by targeting BMP-2 transcript in fish. Archives of Biochemistry and Biophysics, 2014, 543, 23-30.	3.0	31
541	MitomiRs in human inflamm-aging: A hypothesis involving miR-181a, miR-34a and miR-146a. Experimental Gerontology, 2014, 56, 154-163.	2.8	179
542	The combination of transcriptomics and informatics identifies pathways targeted by miR-204 during neurogenesis and axon guidance. Nucleic Acids Research, 2014, 42, 7793-7806.	14.5	31
543	microRNAs: a new class of breast cancer biomarkers. Expert Review of Molecular Diagnostics, 2014, 14, 347-363.	3.1	36
544	Unlocking epigenetic codes in neurogenesis. Genes and Development, 2014, 28, 1253-1271.	5.9	79
545	The role of microRNAs in Hepatitis C Virus replication and related liver diseases. Journal of Microbiology, 2014, 52, 445-451.	2.8	38
546	Determinants and implications of mRNA poly(A) tail size – Does this protein make my tail look big?. Seminars in Cell and Developmental Biology, 2014, 34, 24-32.	5.0	109
547	miR-20b Suppresses Th17 Differentiation and the Pathogenesis of Experimental Autoimmune Encephalomyelitis by Targeting RORγt and STAT3. Journal of Immunology, 2014, 192, 5599-5609.	0.8	110
548	Comparative analysis of microRNAs from the lungs and trachea of dogs (Canis familiaris) infected with canine influenza virus. Infection, Genetics and Evolution, 2014, 21, 367-374.	2.3	21
549	Translation factors and ribosomal proteins control tumor onset and progression: how?. Oncogene, 2014, 33, 2145-2156.	5.9	72
550	Computational Methods for MicroRNA Target Prediction. Genes, 2014, 5, 671-683.	2.4	92
551	The role of miRNA in motor neuron disease. Frontiers in Cellular Neuroscience, 2014, 8, 15.	3.7	47
553	MicroRNA Expression Profiles of Human iPS Cells, Retinal Pigment Epithelium Derived From iPS, and Fetal Retinal Pigment Epithelium. Journal of Visualized Experiments, 2014, , e51589.	0.3	5
554	Micro <scp>RNA</scp> s (mi <scp>RNA</scp> s) in the control of <scp>HF</scp> development and cycling: the next frontiers in hair research. Experimental Dermatology, 2015, 24, 821-826.	2.9	47
555	Inhibition of expression of hepatitis C virus 1b genotype core and NS4B genes in HepG2 cells using artificial microRNAs. Molecular Medicine Reports, 2015, 12, 1905-1913.	2.4	1
556	Small molecule and RNAi induced phenotype transition of expanded and primary colonic epithelial cells. Scientific Reports, 2015, 5, 12681.	3.3	9
557	Computational Prediction of miRNA Genes from Small RNA Sequencing Data. Frontiers in Bioengineering and Biotechnology, 2015, 3, 7.	4.1	37

#	Article	IF	CITATIONS
558	miR-34a inhibits cell proliferation in prostate cancer by downregulation of SIRT1 expression. Oncology Letters, 2015, 10, 3223-3227.	1.8	38
559	Computational and <i>in vitro</i> Investigation of miRNA-Gene Regulations in Retinoblastoma Pathogenesis: miRNA Mimics Strategy. Bioinformatics and Biology Insights, 2015, 9, BBI.S21742.	2.0	43
560	Involvement of UTR-dependent gene expression in the maintenance of cancer stem cell like phenotypes. Oncology Letters, 2015, 10, 3171-3176.	1.8	0
561	Transcriptional control analyses of the Xiphophorus melanoma oncogene. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 178, 116-127.	2.6	6
562	Identification of novel and conserved microRNAs in Panax notoginseng roots by high-throughput sequencing. BMC Genomics, 2015, 16, 835.	2.8	38
563	MicroRNA-363 targets myosin 1B to reduce cellular migration in head and neck cancer. BMC Cancer, 2015, 15, 861.	2.6	34
564	Stress response factors as hubâ€regulators of microRNA biogenesis: implication to the diseased heart. Cell Biochemistry and Function, 2015, 33, 509-518.	2.9	4
565	Integrated analyses to reconstruct microRNA-mediated regulatory networks in mouse liver using high-throughput profiling. BMC Genomics, 2015, 16, S12.	2.8	12
566	Single-molecule modeling of mRNA degradation by miRNA: Lessons from data. BMC Systems Biology, 2015, 9, S2.	3.0	5
567	Variability in vascular smooth muscle cell stretch-induced responses in 2D culture. Vascular Cell, 2015, 7, 7.	0.2	39
568	let-7b suppresses apoptosis and autophagy of human mesenchymal stem cells transplanted into ischemia/reperfusion injured heart 7by targeting caspase-3. Stem Cell Research and Therapy, 2015, 6, 147.	5.5	64
569	Noncoding RNAs, post-transcriptional RNA operons and Chinese hamster ovary cells. Pharmaceutical Bioprocessing, 2015, 3, 227-247.	0.8	15
570	Long Noncoding RNA H19 Promotes Osteoblast Differentiation Via TGF-β1/Smad3/HDAC Signaling Pathway by Deriving miR-675. Stem Cells, 2015, 33, 3481-3492.	3.2	266
571	Regulatory <scp>RNAs</scp> discovered in unexpected places. Wiley Interdisciplinary Reviews RNA, 2015, 6, 671-686.	6.4	14
572	Epigenetics in acute kidney injury. Current Opinion in Nephrology and Hypertension, 2015, 24, 1.	2.0	52
573	CXCL16 in Vascular Pathology Research: from Macro Effects to microRNAs. Journal of Atherosclerosis and Thrombosis, 2015, 22, 1012-1024.	2.0	15
574	A putative miR172-targeted CeAPETALA2-like gene is involved in floral patterning regulation of the orchid Cymbidium ensifolium. Genetics and Molecular Research, 2015, 14, 12049-12061.	0.2	10
575	MicroRNA-106b inhibits osteoclastogenesis and osteolysis by targeting RANKL in giant cell tumor of bone. Oncotarget, 2015, 6, 18980-18996.	1.8	27

	C	CITATION REPORT		
#	Article	I	F	Citations
576	Role of microRNAs in hepatocellular carcinoma. Frontiers in Bioscience - Landmark, 2015, 20, 1056-10)67. 3	8.0	14
577	The 3' to 5' Exoribonuclease DIS3: From Structure and Mechanisms to Biological Functions and Role i Human Disease. Biomolecules, 2015, 5, 1515-1539.	n 4	I. 0	42
578	MicroRNA-224 Induces G1/S Checkpoint Release in Liver Cancer. Journal of Clinical Medicine, 2015, 4 1713-1728.	, 2	2.4	25
579	Epigenetic marks: regulators of livestock phenotypes and conceivable sources of missing variation in livestock improvement programs. Frontiers in Genetics, 2015, 6, 302.	2	2.3	125
580	Down-regulation of <i>c-Met</i> and <i>Bcl2</i> by microRNA-206, activates apoptosis, and inhibits tumor cell proliferation, migration and colony formation. Oncotarget, 2015, 6, 25533-25574.	1	8	114
581	Entropy-Based Model for MiRNA Isoform Analysis. PLoS ONE, 2015, 10, e0118856.	2	2.5	5
582	Identification and Characterization of Cyprinid Herpesvirus-3 (CyHV-3) Encoded MicroRNAs. PLoS ON 2015, 10, e0125434.	E, 2	2.5	22
583	Small RNAs in plants: recent development and application for crop improvement. Frontiers in Plant Science, 2015, 06, 208.	3	3.6	235
584	A Systematic Evaluation of Feature Selection and Classification Algorithms Using Simulated and Real miRNA Sequencing Data. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-11.	1	3	8
585	Water-mediated recognition of t1-adenosine anchors Argonaute2 to microRNA targets. ELife, 2015, 4	ł,. 6	5.0	78
586	Serum miRNA profiling identifies miR-150/30a as potential biomarker for workers with damaged nerve fibers from carbon disulfide. Industrial Health, 2015, 53, 38-47.	2 1	.0	6
587	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	1.1	20
588	Peroxynitrite-mediated glyoxalase I epigenetic inhibition drives apoptosis in airway epithelial cells exposed to crystalline silica via a novel mechanism involving argpyrimidine-modified Hsp70, JNK, and NF-κB. Free Radical Biology and Medicine, 2015, 84, 128-141.	2	2.9	32
589	A Gold@Polydopamine Core–Shell Nanoprobe for Long-Term Intracellular Detection of MicroRNAs i Differentiating Stem Cells. Journal of the American Chemical Society, 2015, 137, 7337-7346.	n 1	.3.7	202
590	Strategies to Maximize Recombinant Protein Expression in Maize Kernels. , 2015, , 79-129.			1
591	miRNAs and IncRNAs in reproductive development. Plant Science, 2015, 238, 46-52.	3	8.6	31
592	Characteristic <i>miR-24</i> Expression in Gastric Cancers among Atom Bomb Survivors. Pathobiology, 2015, 82, 68-75.	iic 3	3.8	9
593	MicroRNA-mediated immune modulation as a therapeutic strategy in host-implant integration. Advanced Drug Delivery Reviews, 2015, 88, 92-107.	1	.3.7	17

ARTICLE IF CITATIONS The Role of ncRNA in Diabetes., 2015, , 197-218. 594 1 Geneââ,¬â€œEnvironment Interaction in Major Depression: Focus on Experience-Dependent Biological 2.6 Systems. Frontiers in Psychiatry, 2015, 6, 68. Accurate transcriptome-wide prediction of microRNA targets and small interfering RNA off-targets 596 14.5 62 with MIRZA-G. Nucleic Acids Research, 2015, 43, 1380-1391. The emerging functions of regulatory <scp>RNA</scp> species in skin biology. Experimental Dermatology, 2015, 24, 827-828. DIANA-miRPath v3.0: deciphering microRNA function with experimental support. Nucleic Acids 599 14.5 1,494 Research, 2015, 43, W460-W466. Importin-Î² facilitates nuclear import of human GW proteins and balances cytoplasmic gene silencing protein levels. Nucleic Acids Research, 2015, 43, 7447-7461. 14.5 microRNAs in Mitochondria: An Unexplored Niche. Advances in Experimental Medicine and Biology, 601 1.6 35 2015, 887, 31-51. microRNAs and Personalized Medicine: Evaluating Their Potential as Cancer Biomarkers. Advances in 1.6 Experimental Medicine and Biology, 2015, 888, 5-15. Casein kinase II promotes target silencing by miRISC through direct phosphorylation of the DEAD-box 603 RNA helicase CGH-1. Proceedings of the National Academy of Sciences of the United States of America, 25 7.1 2015, 112, E7213-22. Cardiac Disease Status Dictates Functional mRNA Targeting Profiles of Individual MicroRNAs. 604 5.1 Circulation: Cardiovascular Genetics, 2015, 8, 774-784. miRNA clusters as therapeutic targets for hormone-resistant breast cancer. Expert Review of 605 2.4 19 Endocrinology and Metabolism, 2015, 10, 607-617. MicroRNA-10a Influences Osteoblast Differentiation and Angiogenesis by Regulating Î²-Catenin 606 1.6 Expression. Cellular Physiology and Biochemistry, 2015, 37, 2194-2208. miR-224 overexpression is a strong and independent prognosticator of short-term relapse and poor 607 3.3 38 overall survival in colorectal adenocarcinoma. International Journal of Oncology, 2015, 46, 849-859. Micro<scp>RNA</scp>s affect dendritic cell function and phenotype. Immunology, 2015, 144, 197-205. 608 4.4 101 Identification of RISC-Associated Adenoviral MicroRNAs, a Subset of Their Direct Targets, and Global 609 3.4 25 Changes in the Targetome upon Lytic Adenovirus 5 Infection. Journal of Virology, 2015, 89, 1608-1627. The Regulatory Function of miR-200c on Inflammatory and Cell-Cycle Associated Genes in SK-LMS-1, A Leiomyosarcoma Cell Line. Reproductive Sciences, 2015, 22, 563-571. Small molecule chemical probes of microRNA function. Current Opinion in Chemical Biology, 2015, 24, 611 6.1 48 97-103. Symptom recovery in virus-infected plants: Revisiting the role of RNA silencing mechanisms. Virology, 2.4 2015, 479-480, 167-179.

#	Article	IF	CITATIONS
614	Dosage and Temporal Thresholds in microRNA Proteomics*. Molecular and Cellular Proteomics, 2015, 14, 289-302.	3.8	10
615	Changes in <scp>mRNA</scp> expression precede changes in micro <scp>RNA</scp> expression in lesional psoriatic skin during treatment with adalimumab. British Journal of Dermatology, 2015, 173, 436-447.	1.5	34
616	Micro <scp>RNA</scp> â€mediated nonâ€cellâ€autonomous regulation of cortical radial glial transformation revealed by a <scp><i>Dicer1</i></scp> knockout mouse model. Glia, 2015, 63, 860-876.	4.9	20
617	A Ribonuclease Coordinates siRNA Amplification and mRNA Cleavage during RNAi. Cell, 2015, 160, 407-419.	28.9	71
618	MicroRNA expression profiling and functional annotation analysis of their targets associated with the malignant transformation of oral leukoplakia. Gene, 2015, 558, 271-277.	2.2	19
619	Down-regulation of miR-144 elicits proinflammatory cytokine production by targeting toll-like receptor 2 in nonalcoholic steatohepatitis of high-fat-diet-induced metabolic syndrome E3 rats. Molecular and Cellular Endocrinology, 2015, 402, 1-12.	3.2	36
620	Mitochondria-associated microRNAs in rat hippocampus following traumatic brain injury. Experimental Neurology, 2015, 265, 84-93.	4.1	127
621	MAPK and JAK/STAT pathways targeted by miR-23a and miR-23b in prostate cancer: computational and in vitro approaches. Tumor Biology, 2015, 36, 4203-4212.	1.8	46
622	Mathematical modeling of combinatorial regulation suggests that apparent positive regulation of targets by miRNA could be an artifact resulting from competition for mRNA. Rna, 2015, 21, 307-319.	3.5	19
623	Neural circular RNAs are derived from synaptic genes and regulated by development and plasticity. Nature Neuroscience, 2015, 18, 603-610.	14.8	1,024
624	MicroRNAs in Skin Diseases. , 2015, , 177-205.		2
624 625	MicroRNAs in Skin Diseases. , 2015, , 177-205. MicroRNAs in Hematopoietic Stem Cell Biology. , 2015, , 329-348.		2
625	MicroRNAs in Hematopoietic Stem Cell Biology. , 2015, , 329-348.	16.8	0
625 626	MicroRNAs in Hematopoietic Stem Cell Biology. , 2015, , 329-348. MicroRNAs in Cardiac Regeneration. , 2015, , 917-942. A Cytoplasmic NF-κB Interacting Long Noncoding RNA Blocks lκB Phosphorylation and Suppresses Breast	16.8	0
625 626 627	MicroRNAs in Hematopoietic Stem Cell Biology. , 2015, , 329-348. MicroRNAs in Cardiac Regeneration. , 2015, , 917-942. A Cytoplasmic NF-κB Interacting Long Noncoding RNA Blocks lκB Phosphorylation and Suppresses Breast Cancer Metastasis. Cancer Cell, 2015, 27, 370-381. DIANA-TarBase v7.0: indexing more than half a million experimentally supported miRNA:mRNA		0 1 794
625 626 627 628	MicroRNAs in Hematopoietic Stem Cell Biology. , 2015, , 329-348. MicroRNAs in Cardiac Regeneration. , 2015, , 917-942. A Cytoplasmic NF-Î ² B Interacting Long Noncoding RNA Blocks IÎ ² B Phosphorylation and Suppresses Breast Cancer Metastasis. Cancer Cell, 2015, 27, 370-381. DIANA-TarBase v7.0: indexing more than half a million experimentally supported miRNA:mRNA interactions. Nucleic Acids Research, 2015, 43, D153-D159. Towards a molecular understanding of microRNA-mediated gene silencing. Nature Reviews Genetics,	14.5	0 1 794 683

#	Article	IF	CITATIONS
632	Cooperative target mRNA destabilization and translation inhibition by miR-58 microRNA family in <i>C. elegans</i> . Genome Research, 2015, 25, 1680-1691.	5.5	17
633	Effects of miRNA-197 overexpression on proliferation, apoptosis and migration in levonorgestrel treated uterine leiomyoma cells. Biomedicine and Pharmacotherapy, 2015, 71, 1-6.	5.6	15
634	miR-216a rescues dexamethasone suppression of osteogenesis, promotes osteoblast differentiation and enhances bone formation, by regulating c-Cbl-mediated PI3K/AKT pathway. Cell Death and Differentiation, 2015, 22, 1935-1945.	11.2	117
635	Human Argonaute 2 Has Diverse Reaction Pathways on Target RNAs. Molecular Cell, 2015, 59, 117-124.	9.7	166
636	Approaching the Golden Fleece a Molecule at a Time: Biophysical Insights into Argonaute-Instructed Nucleic Acid Interactions. Molecular Cell, 2015, 59, 4-7.	9.7	13
637	acal is a Long Non-coding RNA in JNK Signaling in Epithelial Shape Changes during Drosophila Dorsal Closure. PLoS Genetics, 2015, 11, e1004927.	3.5	30
638	Early origin and adaptive evolution of the GW182 protein family, the key component of RNA silencing in animals. RNA Biology, 2015, 12, 761-770.	3.1	23
639	Circulating miR-21 and eNOS in subclinical atherosclerosis in patients with hypertension. Clinical and Experimental Hypertension, 2015, 37, 643-649.	1.3	69
640	Integrating full spectrum of sequence features into predicting functional microRNA–mRNA interactions. Bioinformatics, 2015, 31, 3529-3536.	4.1	20
641	MicroRNA-23b Promotes Avian Leukosis Virus Subgroup J (ALV-J) Replication by Targeting IRF1. Scientific Reports, 2015, 5, 10294.	3.3	63
642	MicroRNA as Type I Interferon-Regulated Transcripts and Modulators of the Innate Immune Response. Frontiers in Immunology, 2015, 6, 334.	4.8	121
643	Single-Molecule Imaging Reveals that Argonaute Reshapes the Binding Properties of Its Nucleic Acid Guides. Cell, 2015, 162, 84-95.	28.9	246
644	Causes of genome instability: the effect of low dose chemical exposures in modern society. Carcinogenesis, 2015, 36, S61-S88.	2.8	149
645	Roles and Programming of Arabidopsis ARGONAUTE Proteins during Turnip Mosaic Virus Infection. PLoS Pathogens, 2015, 11, e1004755.	4.7	175
646	Bacterial Infection Drives the Expression Dynamics of microRNAs and Their isomiRs. PLoS Genetics, 2015, 11, e1005064.	3.5	60
647	Expression and Preliminary Functional Profiling of the let-7 Family during Porcine Ovary Follicle Atresia. Molecules and Cells, 2015, 38, 304-311.	2.6	54
648	miR-216a regulates snx5, a novel notch signaling pathway component, during zebrafish retinal development. Developmental Biology, 2015, 400, 72-81.	2.0	30
649	Functional interactions among members of the miR-17–92 cluster in lymphocyte development, differentiation and malignant transformation. International Immunopharmacology, 2015, 28, 854-858.	3.8	13

#	Article	IF	CITATIONS
650	miR-1182 attenuates gastric cancer proliferation and metastasis by targeting the open reading frame of hTERT. Cancer Letters, 2015, 360, 151-159.	7.2	69
651	miRNAs in inflammatory skin diseases and their clinical implications. Expert Review of Clinical Immunology, 2015, 11, 467-477.	3.0	23
652	miR-9 enhances the transactivation of nuclear factor of activated T cells by targeting KPNB1 and DYRK1B. American Journal of Physiology - Cell Physiology, 2015, 308, C720-C728.	4.6	7
653	MicroRNA-126 attenuates palmitate-induced apoptosis by targeting TRAF7 in HUVECs. Molecular and Cellular Biochemistry, 2015, 399, 123-130.	3.1	32
654	Epidrug mediated re-expression of miRNA targeting the HMGA transcripts in pituitary cells. Pituitary, 2015, 18, 674-684.	2.9	16
655	Quantifying the strength of miRNAâ \in "target interactions. Methods, 2015, 85, 90-99.	3.8	21
656	Drinking beyond a lifetime: New and emerging insights into paternal alcohol exposure on subsequent generations. Alcohol, 2015, 49, 461-470.	1.7	89
657	Identification of ncRNAs as potential therapeutic targets in multiple sclerosis through differential ncRNA – mRNA network analysis. BMC Genomics, 2015, 16, 250.	2.8	17
658	MicroRNA-765 influences arterial stiffness through modulating apelin expression. Molecular and Cellular Endocrinology, 2015, 411, 11-19.	3.2	25
659	RNA–RNA interactions in gene regulation: the coding and noncoding players. Trends in Biochemical Sciences, 2015, 40, 248-256.	7.5	230
660	Mitochondrial miRNA (MitomiR): a new player in cardiovascular health. Canadian Journal of Physiology and Pharmacology, 2015, 93, 855-861.	1.4	60
661	Polysome arrest restricts miRNA turnover by preventing exosomal export of miRNA in growth-retarded mammalian cells. Molecular Biology of the Cell, 2015, 26, 1072-1083.	2.1	41
662	Stress Responses. Methods in Molecular Biology, 2015, , .	0.9	8
663	Long noncoding RNA turnover. Biochimie, 2015, 117, 15-21.	2.6	55
664	Regulation of <i>Csf1r</i> and <i>Bcl6</i> in Macrophages Mediates the Stage-Specific Effects of MicroRNA-155 on Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 796-803.	2.4	102
665	A network of RNA and protein interactions in Fronto Temporal Dementia. Frontiers in Molecular Neuroscience, 2015, 8, 9.	2.9	22
666	Regulation of vascular endothelial growth factor in prostate cancer. Endocrine-Related Cancer, 2015, 22, R107-R123.	3.1	47
667	microRNAs in glomerular diseases from pathophysiology to potential treatment target. Clinical Science, 2015, 128, 775-788.	4.3	20

# 668	ARTICLE Identification of reference micro <scp>RNA</scp> s for quantitative expression analysis in porcine peripheral blood mononuclear cells treated with polyinosinic–polycytidylic acid. International Journal of Immunogenetics, 2015, 42, 217-225.	IF 1.8	Citations
669	RNA regulators of host immunity and pathogen adaptive responses in the oral cavity. Microbes and Infection, 2015, 17, 493-504.	1.9	6
670	MicroRNA Screening and the Quest for Biologically Relevant Targets. Journal of Biomolecular Screening, 2015, 20, 1003-1017.	2.6	38
671	Synaptic control of mRNA translation by reversible assembly of XRN1 bodies. Journal of Cell Science, 2015, 128, 1542-54.	2.0	25
672	MicroRNA-155 in the Heart. Circulation, 2015, 131, 1533-1535.	1.6	18
673	Epigenetics: major regulators of embryonic neurogenesis. Science Bulletin, 2015, 60, 1734-1743.	9.0	4
674	The Functions of MicroRNAs: mRNA Decay and Translational Repression. Trends in Cell Biology, 2015, 25, 651-665.	7.9	648
675	siRNA Versus miRNA as Therapeutics for Gene Silencing. Molecular Therapy - Nucleic Acids, 2015, 4, e252.	5.1	730
676	Micro(mi) RNA-34a targets protein phosphatase (PP)1Î ³ to regulate DNA damage tolerance. Cell Cycle, 2015, 14, 3830-3841.	2.6	7
677	MicroRNA-153 Regulates the Acquisition of Gliogenic Competence by Neural Stem Cells. Stem Cell Reports, 2015, 5, 365-377.	4.8	45
678	Circulating microRNAs. Biochemistry (Moscow), 2015, 80, 1117-1126.	1.5	32
679	Roles for miRNAs in endocrine resistance in breast cancer. Endocrine-Related Cancer, 2015, 22, R279-R300.	3.1	63
680	Inhibition of Gastric Tumor Cell Growth Using Seed-targeting LNA as Specific, Long-lasting MicroRNA Inhibitors. Molecular Therapy - Nucleic Acids, 2015, 4, e246.	5.1	20
681	P.2.a.011 Study of microRNA-related single-nucleotide polymorphisms in major depression. European Neuropsychopharmacology, 2015, 25, S381.	0.7	0
682	The art of CHO cell engineering: A comprehensive retrospect and future perspectives. Biotechnology Advances, 2015, 33, 1878-1896.	11.7	240
683	Development and regulatory application of microRNA biomarkers. Biomarkers in Medicine, 2015, 9, 1137-1151.	1.4	24
684	Identification of post-transcriptional regulatory networks during myeloblast-to-monocyte differentiation transition. RNA Biology, 2015, 12, 690-700.	3.1	16
685	β-Cell MicroRNAs: Small but Powerful. Diabetes, 2015, 64, 3631-3644.	0.6	99

#	Article	IF	CITATIONS
686	Effects of age on follicular fluid exosomal microRNAs and granulosa cell transforming growth factor-β signalling during follicle development in the mare. Reproduction, Fertility and Development, 2015, 27, 897.	0.4	68
687	Upregulation of miR-497 induces hepatic insulin resistance in E3 rats with HFD-MetS by targeting insulin receptor. Molecular and Cellular Endocrinology, 2015, 416, 57-69.	3.2	24
688	Development of Novel Antisense Oligonucleotides for the Functional Regulation of RNA-Induced Silencing Complex (RISC) by Promoting the Release of microRNA from RISC. Bioconjugate Chemistry, 2015, 26, 2454-2460.	3.6	16
689	MicroRNA-103a-3p controls proliferation and osteogenic differentiation of human adipose tissue-derived stromal cells. Experimental and Molecular Medicine, 2015, 47, e172-e172.	7.7	24
690	Ribozyme-enhanced single-stranded Ago2-processed interfering RNA triggers efficient gene silencing with fewer off-target effects. Nature Communications, 2015, 6, 8430.	12.8	24
691	miR-526b targets 3′ UTR of MMP1 mRNA. Experimental and Molecular Medicine, 2015, 47, e178-e178.	7.7	18
692	Small RNA Derived from the Virulence Modulating Region of the <i>Potato spindle tuber viroid</i> Silences <i>callose synthase</i> Genes of Tomato Plants. Plant Cell, 2015, 27, 2178-2194.	6.6	128
693	Massively parallel high-order combinatorial genetics in human cells. Nature Biotechnology, 2015, 33, 952-961.	17.5	50
694	Uridylation of RNA Hairpins by Tailor Confines the Emergence of MicroRNAs in Drosophila. Molecular Cell, 2015, 59, 203-216.	9.7	62
695	An overview of the clinical application of antisense oligonucleotides for RNA-targeting therapies. Current Opinion in Pharmacology, 2015, 24, 52-58.	3.5	122
696	Small RNAs growing tall: miRNAs as drug targets in herpesvirus infections. Current Opinion in Virology, 2015, 15, 41-47.	5.4	2
697	Corticostriatal microRNAs in addiction. Brain Research, 2015, 1628, 2-16.	2.2	23
699	Biochemical isolation of Argonaute protein complexes by Ago-APP. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11841-11845.	7.1	82
700	Interaction Between IGF1 Polymorphisms and the Risk of Acute Lymphoblastic Leukemia in Chinese Children. Cellular Physiology and Biochemistry, 2015, 36, 1346-1358.	1.6	14
701	P.2.a.012 Co-administration of fluoxetine with acetylsalicylic acid, but not flurbiprofen or celecoxib, for one week shows an antidepressant-like effect. European Neuropsychopharmacology, 2015, 25, S381-S382.	0.7	0
703	Model systems to analyze the role of miRNAs and commensal microflora in bovine mucosal immune system development. Molecular Immunology, 2015, 66, 57-67.	2.2	21
704	Computational challenges, tools, and resources for analyzing co―and postâ€ŧranscriptional events in high throughput. Wiley Interdisciplinary Reviews RNA, 2015, 6, 291-310.	6.4	16
705	Degradable Hyaluronic Acid/Protamine Sulfate Interpolyelectrolyte Complexes as miRNAâ€Delivery Nanocapsules for Tripleâ€Negative Breast Cancer Therapy. Advanced Healthcare Materials, 2015, 4, 281-290.	7.6	66

ARTICLE IF CITATIONS # MicroRNA-495 regulates the proliferation and apoptosis of human umbilical vein endothelial cells by 706 1.7 54 targeting chemokine CCL2. Thrombosis Research, 2015, 135, 146-154. Epigenetic programming of hypoxic–ischemic encephalopathy in response to fetal hypoxia. Progress in Neurobiology, 2015, 124, 28-48. Competition between target sites of regulators shapes post-transcriptional gene regulation. Nature 708 220 16.3Reviews Genetics, 2015, 16, 113-126. Disruption of microRNA-21 by TALEN leads to diminished cell transformation and increased expression of cell–environment interaction genes. Cancer Letters, 2015, 356, 506-516. MicroRNA-320b promotes colorectal cancer proliferation and invasion by competing with its 710 7.2 34 homologous microRNA-320a. Cancer Letters, 2015, 356, 669-675. Epitranscriptional regulation of cardiovascular development and disease. Journal of Physiology, 2015, 593, 1799-1808. Targeting of Gamma-Glutamyl-Cysteine Ligase by miR-433 Reduces Glutathione Biosynthesis and 712 5.4 49 Promotes TGF-^{î2}-Dependent Fibrogenesis. Antioxidants and Redox Signaling, 2015, 23, 1092-1105. Length-dependent translation initiation benefits the functional proteome of human cells. Molecular 2.9 BioŠystems, 2015, 11, 370-378. Lin28 and let-7: ancient milestones on the road from pluripotency to neurogenesis. Cell and Tissue 714 2.9 78 Research, 2015, 359, 145-160. The conserved miR-8/miR-200 microRNA family and their role in invertebrate and vertebrate neurogenesis. Cell and Tissue Research, 2015, 359, 161-177. MicroRNAs in kidney physiology and disease. Nature Reviews Nephrology, 2015, 11, 23-33. 716 307 9.6 Differential expression of micro<scp>RNA</scp>s and other small <scp>RNA</scp>s in barley between 8.3 134 water and drought conditions. Plant Biotechnology Journal, 2015, 13, 2-13. Aberrant Alternative Polyadenylation is Responsible for Survivin Up-regulation in Ovarian Cancer. 718 2.3 6 Chinese Medical Journal, 2016, 129, 1140-1146. Multiple Biological Sequence Alignment: Scoring Functions, Algorithms and Applications., 2016, , . 719 Mouse oocytes suppress miR-322-5p expression in ovarian granulosa cells. Journal of Reproduction 720 1.4 11 and Development, 2016, 62, 393-399. Metaboloepigenetics: The Emerging Network in Stem Cell Homeostasis Regulation. Current Stem Cell Research and Therapy, 2016, 11, 352-369. MicroRNA-mediated interactions between host and hepatitis C virus. World Journal of 722 3.3 43 Gastroenterology, 2016, 22, 1487. Aneurysm miRNA Signature Differs, Depending on Disease Localization and Morphology. International 4.1 Journal of Molecular Sciences, 2016, 17, 81.

#	Article	IF	Citations
724	Inhibition of IFN-Î ³ -Induced Nitric Oxide Dependent Antimycobacterial Activity by miR-155 and C/EBPβ. International Journal of Molecular Sciences, 2016, 17, 535.	4.1	29
725	Obesity Associated Modulation of miRNA and Co-Regulated Target Transcripts in Human Adipose Tissue of Non-Diabetic Subjects. MicroRNA (Shariqah, United Arab Emirates), 2016, 4, 194-204.	1.2	12
726	Increased miR-132 level is associated with visual memory dysfunction in patients with depression. Neuropsychiatric Disease and Treatment, 2016, Volume 12, 2905-2911.	2.2	27
727	miR-30a-5p in the tumorigenesis of renal cell carcinoma: A tumor suppressive microRNA. Molecular Medicine Reports, 2016, 13, 4085-4094.	2.4	19
728	Role of MicroRNA in Governing Synaptic Plasticity. Neural Plasticity, 2016, 2016, 1-13.	2.2	62
729	Argonaute and Argonaute-Bound Small RNAs in Stem Cells. International Journal of Molecular Sciences, 2016, 17, 208.	4.1	4
730	Epigenetic Modifications in Essential Hypertension. International Journal of Molecular Sciences, 2016, 17, 451.	4.1	81
731	MicroRNA Transcriptome of Poly I:C-Stimulated Peripheral Blood Mononuclear Cells Reveals Evidence for MicroRNAs in Regulating Host Response to RNA Viruses in Pigs. International Journal of Molecular Sciences, 2016, 17, 1601.	4.1	5
732	A let-7-to-miR-125 MicroRNA Switch Regulates Neuronal Integrity and Lifespan in Drosophila. PLoS Genetics, 2016, 12, e1006247.	3.5	58
733	The First Report of miRNAs from a Thysanopteran Insect, Thrips palmi Karny Using High-Throughput Sequencing. PLoS ONE, 2016, 11, e0163635.	2.5	18
734	Virus-Mediated Alterations in miRNA Factors and Degradation of Viral miRNAs by MCPIP1. PLoS Biology, 2016, 14, e2000998.	5.6	33
735	Analysis of the Microprocessor in Dictyostelium: The Role of RbdB, a dsRNA Binding Protein. PLoS Genetics, 2016, 12, e1006057.	3.5	16
736	Association of the Single Nucleotide Polymorphisms in microRNAs 130b, 200b, and 495 with Ischemic Stroke Susceptibility and Post-Stroke Mortality. PLoS ONE, 2016, 11, e0162519.	2.5	22
737	Identification of microRNAs with Dysregulated Expression in Status Epilepticus Induced Epileptogenesis. PLoS ONE, 2016, 11, e0163855.	2.5	13
738	Fluoxetine Increases the Expression of miR-572 and miR-663a in Human Neuroblastoma Cell Lines. PLoS ONE, 2016, 11, e0164425.	2.5	12
739	Small RNA-Based Antiviral Defense in the Phytopathogenic Fungus Colletotrichum higginsianum. PLoS Pathogens, 2016, 12, e1005640.	4.7	112
740	Physiological Adjustments and Circulating MicroRNA Reprogramming Are Involved in Early Acclimatization to High Altitude in Chinese Han Males. Frontiers in Physiology, 2016, 7, 601.	2.8	11
741	MicroRNAs in the Host Response to Viral Infections of Veterinary Importance. Frontiers in Veterinary Science, 2016, 3, 86.	2.2	31

	CITATION R	EPORT	
#	Article	IF	Citations
742	Next-Generation Sequencing $\hat{a} \in $ " An Overview of the History, Tools, and $\hat{a} \in \hat{e}$ Omic $\hat{a} \in \hat{e}$ Applications. , 0, , .		94
743	Development of Antisense Drugs for Dyslipidemia. Journal of Atherosclerosis and Thrombosis, 2016, 23, 1011-1025.	2.0	15
744	MicroRNA Expression Signatures Associated With BRAF-Mutated Versus KRAS-Mutated Colorectal Cancers. Medicine (United States), 2016, 95, e3321.	1.0	19
745	Claudins and mineral metabolism. Current Opinion in Nephrology and Hypertension, 2016, 25, 308-313.	2.0	17
746	Serum miRâ€122 may serve as a biomarker for response to direct acting antivirals: effect of paritaprevir/R with dasabuvir or ombitasvir on miRâ€122 in <scp>HCV</scp> â€infected subjects. Journal of Viral Hepatitis, 2016, 23, 96-104.	2.0	22
747	Epigenetics and cardiovascular risk in childhood. Journal of Cardiovascular Medicine, 2016, 17, 539-546.	1.5	25
748	A Zbtb7a protoâ€oncogene as a novel target for miRâ€125a. Molecular Carcinogenesis, 2016, 55, 2001-2009.	2.7	31
749	Can circulating <scp>miRNAs</scp> live up to the promise of being minimal invasive biomarkers in clinical settings?. Wiley Interdisciplinary Reviews RNA, 2016, 7, 148-156.	6.4	65
750	Distinct Functions of Argonaute Slicer in siRNA Maturation and Heterochromatin Formation. Molecular Cell, 2016, 63, 191-205.	9.7	15
751	MicroRNAs in Cardiovascular Disease. Cardiology in Review, 2016, 24, 110-118.	1.4	22
752	Argonaute: The executor of small RNA function. Journal of Genetics and Genomics, 2016, 43, 481-494.	3.9	64
753	Functional Implications of miR-19 in the Migration of Newborn Neurons in the Adult Brain. Neuron, 2016, 91, 79-89.	8.1	94
754	miRâ€186 is decreased in aged brain and suppresses <scp>BACE</scp> 1 expression. Journal of Neurochemistry, 2016, 137, 436-445.	3.9	78
755	MicroRNA-335-5p inhibits osteoblast apoptosis induced by high glucose. Molecular Medicine Reports, 2016, 13, 4108-4112.	2.4	18
756	Integrative microRNA profiling in alcoholic hepatitis reveals a role for microRNA-182 in liver injury and inflammation. Gut, 2016, 65, 1535-1545.	12.1	103
757	MicroRNA-20b-5p functions as a tumor suppressor in renal cell carcinoma by regulating cellular proliferation, migration and apoptosis. Molecular Medicine Reports, 2016, 13, 1895-1901.	2.4	28
758	Identification of miR-130b as an oncogene in renal cell carcinoma. Molecular Medicine Reports, 2016, 13, 1902-1908.	2.4	10
759	Molecular and Genetic Mechanisms Involved in the Pathogenesis of Cardiorenal Cross Talk. Pathobiology, 2016, 83, 201-210.	3.8	26

#	Article	IF	CITATIONS
760	Oncogenic cAMP responsive element binding protein 1 is overexpressed upon loss of tumor suppressive miR-10b-5p and miR-363-3p in renal cancer. Oncology Reports, 2016, 35, 1967-1978.	2.6	42
761	Gene targets of mouse miR-709: regulation of distinct pools. Scientific Reports, 2016, 6, 18958.	3.3	12
762	Reversible HuRâ€micro <scp>RNA</scp> binding controls extracellular export of miRâ€122 and augments stress response. EMBO Reports, 2016, 17, 1184-1203.	4.5	139
763	miR-27a and miR-27b regulate autophagic clearance of damaged mitochondria by targeting PTEN-induced putative kinase 1 (PINK1). Molecular Neurodegeneration, 2016, 11, 55.	10.8	106
765	Gap junction mediated miRNA intercellular transfer and gene regulation: A novel mechanism for intercellular genetic communication. Scientific Reports, 2016, 6, 19884.	3.3	95
766	miSTAR: miRNA target prediction through modeling quantitative and qualitative miRNA binding site information in a stacked model structure. Nucleic Acids Research, 2016, 45, gkw1260.	14.5	18
767	MicroRNA-mediated target mRNA cleavage and 3′-uridylation in human cells. Scientific Reports, 2016, 6, 30242.	3.3	26
768	Genome-wide Investigation of microRNAs and Their Targets in Brassica rapa ssp. pekinensis Root with Plasmodiophora brassicae Infection. Horticultural Plant Journal, 2016, 2, 209-216.	5.0	16
769	High-throughput sequencing and degradome analysis reveal altered expression of miRNAs and their targets in a male-sterile cybrid pummelo (Citrus grandis). BMC Genomics, 2016, 17, 591.	2.8	36
770	Targeted mRNA Degradation. , 2016, , 317-326.		0
771	MiR169 and its target PagHAP2-6 regulated by ABA are involved in poplar cambium dormancy. Journal of Plant Physiology, 2016, 198, 1-9.	3.5	35
772	Role of Dicer and the miRNA system in neuronal plasticity and brain function. Neurobiology of Learning and Memory, 2016, 135, 3-12.	1.9	40
773	MiR-374a suppresses lung adenocarcinoma cell proliferation and invasion by targeting <i>TGFA</i> gene expression. Carcinogenesis, 2016, 37, 567-575.	2.8	41
774	Alternative splicing affects the subcellular localization of Drosha. Nucleic Acids Research, 2016, 44, 5330-5343.	14.5	45
775	mRNA Decay of Most Arabidopsis miRNA Targets Requires Slicer Activity of AGO1. Plant Physiology, 2016, 171, 2620-2632.	4.8	54
776	Mechanisms of MicroRNAs in Atherosclerosis. Annual Review of Pathology: Mechanisms of Disease, 2016, 11, 583-616.	22.4	73
777	Web-based tools for microRNAs involved in human cancer. Oncology Letters, 2016, 11, 3563-3570.	1.8	4
778	Small RNAs regulate plant responses to filamentous pathogens. Seminars in Cell and Developmental Biology 2016 56 190-200	5.0	17

43

ARTICLE IF CITATIONS Oncogenic microRNA-142-3p is associated with cellular migration, proliferation and apoptosis in renal 779 1.8 40 cell carcinoma. Oncology Letters, 2016, 11, 1235-1241. Understanding the Role of miR-33 in Brain Lipid Metabolism: Implications for Alzheimer's Disease. 3.6 Journal of Neuroscience, 2016, 36, 2558-2560. Highly specific quantification of microRNA by coupling probeâ€"rolling circle amplification and 781 2.4 23 Förster resonance energy transfer. Analytical Biochemistry, 2016, 502, 16-23. Multifaceted enrichment analysis of RNA–RNA crosstalk reveals cooperating micro-societies in human 14.5 colorectal cancer. Nucleic Acids Research, 2016, 44, 4025-4036. Role of microRNAs in gastrointestinal smooth muscle fibrosis and dysfunction: novel molecular perspectives on the pathophysiology and therapeutic targeting. American Journal of Physiology - Renal 783 3.4 11 Physiology, 2016, 310, G449-G459. 784 Epigenetic changes in diabetes. Neuroscience Letters, 2016, 625, 64-69. 2.1 miR-192 targeting IL-1RI regulates the immune response in miiuy croaker after pathogen infection 785 3.6 49 inÂvitro and inÂvivo. Fish and Shellfish Immunology, 2016, 54, 537-543. The role of serum levels of microRNA-21 and matrix metalloproteinase-9 in patients with acute 3.1 21 coronary syndrome. Molecular and Cellular Biochemistry, 2016, 422, 51-60. DIANAâ€TarBase and DIANA Suite Tools: Studying Experimentally Supported microRNA Targets. Current 787 25.8 43 Protocols in Bioinformatics, 2016, 55, 12.14.1-12.14.18. Characterization of PyGUS gene silencing in the red macroalga, Pyropia yezoensis. Plant 788 1.5 Biotechnology Reports, 2016, 10, 359-367. Discovery of a Small-Molecule Inhibitor of Protein–MicroRNA Interaction Using Binding Assay with a 790 13.7 50 Site-Specifically Labeled Lin28. Journal of the American Chemical Society, 2016, 138, 13630-13638. Genome-wide identification of microRNAs in pomegranate (Punica granatum L.) by high-throughput 791 3.6 sequencing. BMC Plant Biology, 2016, 16, 122. SMARTER De-Stressed Cereal Breeding. Trends in Plant Science, 2016, 21, 909-925. 792 8.8 36 MicroRNA-34b/c inhibits aldosterone-induced vascular smooth muscle cell calcification via a 793 39 SATB2/Runx2 pathway. Cell and Tissue Research, 2016, 366, 733-746. Beyond the known functions of the CCR4â€NOT complex in gene expression regulatory mechanisms. 794 2.515 BioEssays, 2016, 38, 1048-1058. Noncoding RNA: Current Deep Sequencing Data Analysis Approaches and Challenges. Human Mutation, 795 74 2016, 37, 1283-1298. Strategies to use microRNAs as therapeutic targets. Best Practice and Research in Clinical 796 4.7 40 Endocrinology and Metabolism, 2016, 30, 551-561. miRâ€204 downregulates EphB2 in aging mouse hippocampal neurons. Aging Cell, 2016, 15, 380-388.

	CITATION	Report	
#	Article	IF	Citations
798	Micro <scp>RNA</scp> s in Bladder Outlet Obstruction: Relationship to Growth and Matrix Remodelling. Basic and Clinical Pharmacology and Toxicology, 2016, 119, 5-17.	2.5	13
799	Suppressive action of mi <scp>RNA</scp> s to <scp>ARP</scp> 2/3 complex reduces cell migration and proliferation <i>via </i> <scp>RAC</scp> isoforms in Hirschsprung disease. Journal of Cellular and Molecular Medicine, 2016, 20, 1266-1275.	3.6	26
800	Anatomy of <scp>RISC</scp> : how do small <scp>RNAs</scp> and chaperones activate Argonaute proteins?. Wiley Interdisciplinary Reviews RNA, 2016, 7, 637-660.	6.4	155
801	Reciprocal regulation between mRNA and microRNA enables a bistable switch that directs cell fate decisions. FEBS Letters, 2016, 590, 3443-3455.	2.8	21
802	Neuroendocrine Tumors: Review of Pathology, Molecular and Therapeutic Advances. , 2016, , .		6
803	Non-coding RNAs: Classification, Biology and Functioning. Advances in Experimental Medicine and Biology, 2016, 937, 3-17.	1.6	596
804	Downregulation of miR-199a-5p Disrupts the Developmental Potential of In Vitro-Fertilized Mouse Blastocysts. Biology of Reproduction, 2016, 95, 54-54.	2.7	22
805	Genetic Modifiers for the Long-QT Syndrome. Circulation: Cardiovascular Genetics, 2016, 9, 330-339.	5.1	21
806	The role of microRNA in periodontal tissue: A review of the literature. Archives of Oral Biology, 2016, 72, 66-74.	1.8	46
807	Impact of MicroRNA Levels, Target-Site Complementarity, and Cooperativity on Competing Endogenous RNA-Regulated Gene Expression. Molecular Cell, 2016, 64, 565-579.	9.7	300
808	MicroRNAs in Type 1 Diabetes: Complex Interregulation of the Immune System, β Cell Function and Viral Infections. Current Diabetes Reports, 2016, 16, 133.	4.2	16
809	Down regulated IncRNA MEG3 eliminates mycobacteria in macrophages via autophagy. Scientific Reports, 2016, 6, 19416.	3.3	105
810	Decoding the usefulness of non-coding RNAs as breast cancer markers. Journal of Translational Medicine, 2016, 14, 265.	4.4	58
811	Nanomedicine in Psychiatry: New Therapeutic Opportunities from Research on Small RNAs. Drug Development Research, 2016, 77, 453-457.	2.9	4
812	Regulation of Skeletal Muscle by microRNAs. , 2016, 6, 1279-1294.		76
813	Biomimetic Scaffolds Integrated with Patterns of Exogenous Growth Factors. , 2016, , 255-272.		0
814	Highly sensitive sequencing reveals dynamic modifications and activities of small RNAs in mouse ocytes and early embryos. Science Advances, 2016, 2, e1501482.	10.3	122
815	Pancreatic Islet Biology. Pancreatic Islet Biology, 2016, , .	0.3	2

#	Article	IF	CITATIONS
816	The emerging roles of MicroRNAs in autism spectrum disorders. Neuroscience and Biobehavioral Reviews, 2016, 71, 729-738.	6.1	51
817	microRNA regulatory circuits in a mouse model of inherited retinal degeneration. Scientific Reports, 2016, 6, 31431.	3.3	32
818	Differential expression of microRNAs in retinal vasculopathy caused by selective Müller cell disruption. Scientific Reports, 2016, 6, 28993.	3.3	23
819	MicroRNAs: A Link Between Type 1 Diabetes and the Environment?. Pancreatic Islet Biology, 2016, , 159-192.	0.3	0
820	Loss of miRâ€182 affects Bâ€cell extrafollicular antibody response. Immunology, 2016, 148, 140-149.	4.4	18
821	Zebrafish and Medaka: new model organisms for modern biomedical research. Journal of Biomedical Science, 2016, 23, 19.	7.0	121
822	Circulating microRNAs as a Novel Class of Potential Diagnostic Biomarkers in Neuropsychiatric Disorders. Folia Medica, 2016, 57, 159-172.	0.5	29
823	Endogenous and tumour-derived microRNAs regulate cross-presentation in dendritic cells and consequently cytotoxic T cell function. Cytotechnology, 2016, 68, 2223-2233.	1.6	13
824	Dimeric artificial microRNAs mediate high resistance to RSV and RBSDV in transgenic rice plants. Plant Cell, Tissue and Organ Culture, 2016, 126, 127-139.	2.3	26
825	Sox2: regulation of expression and contribution to brain tumors. CNS Oncology, 2016, 5, 159-173.	3.0	29
826	Autocrine TGF-β/ZEB/microRNA-200 signal transduction drives epithelial-mesenchymal transition: Kinetic models predict minimal drug dose to inhibit metastasis. Cellular Signalling, 2016, 28, 861-870.	3.6	10
827	The Potential Role of Amygdaloid MicroRNA-494 in Alcohol-Induced Anxiolysis. Biological Psychiatry, 2016, 80, 711-719.	1.3	39
828	Correlation between the level of microRNA expression in peripheral blood mononuclear cells and symptomatology in patients with generalized anxiety disorder. Comprehensive Psychiatry, 2016, 69, 216-224.	3.1	22
829	Evolutionary Transitions of MicroRNA-Target Pairs. Genome Biology and Evolution, 2016, 8, 1621-1633.	2.5	23
830	Micro <scp>RNA</scp> â€211 causes ganglion cell dysplasia in congenital intestinal atresia via downâ€regulation of glialâ€derived neurotrophic factor. Neurogastroenterology and Motility, 2016, 28, 186-195.	3.0	11
831	MicroRNAs in cardiovascular ageing. Journal of Physiology, 2016, 594, 2085-2094.	2.9	44
832	Are microRNAs the Molecular Link Between Metabolic Syndrome and Alzheimer's Disease?. Molecular Neurobiology, 2016, 53, 2320-2338.	4.0	27
833	miRNA and cholesterol homeostasis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 2041-2046.	2.4	28

#	Article	IF	CITATIONS
834	Glyoxalase I drives epithelial-to-mesenchymal transition via argpyrimidine-modified Hsp70, miR-21 and SMAD signalling in human bronchial cells BEAS-2B chronically exposed to crystalline silica Min-U-Sil 5: Transformation into a neoplastic-like phenotype. Free Radical Biology and Medicine, 2016, 92, 110-125.	2.9	29
835	Recruitment of the 4EHP-GYF2 cap-binding complex to tetraproline motifs of tristetraprolin promotes repression and degradation of mRNAs with AU-rich elements. Rna, 2016, 22, 373-382.	3.5	66
836	Light-Inducible MiR163 Targets <i>PXMT1</i> Transcripts to Promote Seed Germination and Primary Root Elongation in Arabidopsis. Plant Physiology, 2016, 170, 1772-1782.	4.8	51
837	Analyzing MiRNA–LncRNA Interactions. Methods in Molecular Biology, 2016, 1402, 271-286.	0.9	690
838	The CSK3–MAP1B pathway controls neurite branching and microtubule dynamics. Molecular and Cellular Neurosciences, 2016, 72, 9-21.	2.2	48
839	The emerging epitranscriptomics of long noncoding RNAs. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 59-70.	1.9	71
840	miR-155 targets Caspase-3 mRNA in activated macrophages. RNA Biology, 2016, 13, 43-58.	3.1	40
841	Mechanisms underlying aberrant expression of miR-29c in uterine leiomyoma. Fertility and Sterility, 2016, 105, 236-245.e1.	1.0	31
842	Comparative analysis of the small RNA transcriptomes of miiuy croaker revealed microRNA-mediated regulation of TLR signaling pathway response to Vibrio anguillarum infection. Fish and Shellfish Immunology, 2016, 52, 248-257.	3.6	42
843	MiR-582-5p/miR-590-5p targeted CREB1/CREB5–NF-κB signaling and caused opioid-induced immunosuppression in human monocytes. Translational Psychiatry, 2016, 6, e757-e757.	4.8	37
844	MicroRNA and extracellular vesicles in glioblastoma: small but powerful. Brain Tumor Pathology, 2016, 33, 77-88.	1.7	47
845	Circulating microRNAs as Potential Biomarkers of Endothelial Dysfunction in Obese Children. Chest, 2016, 149, 786-800.	0.8	66
846	MicroRNA-133a Inhibits Osteosarcoma Cells Proliferation and Invasion via Targeting IGF-1R. Cellular Physiology and Biochemistry, 2016, 38, 598-608.	1.6	55
847	Dysregulation of miRNA isoform level at $5\hat{E}^1$ end in Alzheimer's disease. Gene, 2016, 584, 167-172.	2.2	19
848	From Loci to Biology. Circulation Research, 2016, 118, 586-606.	4.5	54
849	MicroRNAâ€548j functions as a metastasis promoter in human breast cancer by targeting Tensin1. Molecular Oncology, 2016, 10, 838-849.	4.6	44
850	A microRNA from infectious spleen and kidney necrosis virus modulates expression of the virus-mock basement membrane component VP08R. Virology, 2016, 492, 32-37.	2.4	5
851	Development of highly efficient nanocarrier-mediated delivery approaches for cancer therapy. Cancer Letters, 2016, 374, 31-43.	7.2	60

#	Article	IF	CITATIONS
852	miR-430 regulates oriented cell division during neural tube development in zebrafish. Developmental Biology, 2016, 409, 442-450.	2.0	35
853	Differential Expression of microRNAs in the Ovaries from Letrozole-Induced Rat Model of Polycystic Ovary Syndrome. DNA and Cell Biology, 2016, 35, 177-183.	1.9	23
854	Argonaute 2-dependent Regulation of Gene Expression by Single-stranded miRNA Mimics. Molecular Therapy, 2016, 24, 946-955.	8.2	51
855	Cardiac Regeneration and microRNAs: Regulators of Pluripotency, Reprogramming, and Cardiovascular Lineage Commitment. Pancreatic Islet Biology, 2016, , 79-109.	0.3	0
856	MicroRNA-222 regulates muscle alternative splicing through Rbm24 during differentiation of skeletal muscle cells. Cell Death and Disease, 2016, 7, e2086-e2086.	6.3	43
858	A study of microRNAs from dried blood spots in newborns after perinatal asphyxia: a simple and feasible biosampling method. Pediatric Research, 2016, 79, 799-805.	2.3	31
859	MicroRNAs regulate KDM5 histone demethylases in breast cancer cells. Molecular BioSystems, 2016, 12, 404-413.	2.9	36
860	Stem Cells and Cardiac Regeneration. Pancreatic Islet Biology, 2016, , .	0.3	2
861	DIANA-LncBase v2: indexing microRNA targets on non-coding transcripts. Nucleic Acids Research, 2016, 44, D231-D238.	14.5	628
862	Downregulation of COMMD1 by miR-205 promotes a positive feedback loop for amplifying inflammatory- and stemness-associated properties of cancer cells. Cell Death and Differentiation, 2016, 23, 841-852.	11.2	36
863	Posttranscriptional Modulation of Sox2 Activity by miRNAs. , 2016, , 43-71.		0
864	Roles of competing endogenous RNAs in gastric cancer. Briefings in Functional Genomics, 2016, 15, 266-273.	2.7	18
865	MicroRNA-9 regulates osteoblast differentiation and angiogenesis via the AMPK signaling pathway. Molecular and Cellular Biochemistry, 2016, 411, 23-33.	3.1	34
866	miR-132 Regulates Dendritic Spine Structure by Direct Targeting of Matrix Metalloproteinase 9 mRNA. Molecular Neurobiology, 2016, 53, 4701-4712.	4.0	68
867	RISC assembly: Coordination between small RNAs and Argonaute proteins. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 71-81.	1.9	247
868	Epigenetics in NG2 glia cells. Brain Research, 2016, 1638, 183-198.	2.2	19
869	Circular RNAs: Identification, biogenesis and function. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 163-168.	1.9	469
870	Therapeutical Strategies for Spinal Cord Injury and a Promising Autologous Astrocyte-Based Therapy Using Efficient Reprogramming Techniques. Molecular Neurobiology, 2016, 53, 2826-2842.	4.0	21

#	Article	IF	CITATIONS
871	Differential expression of microRNAs and potential targets under drought stress in barley. Plant, Cell and Environment, 2017, 40, 11-24.	5.7	73
872	Circulating microRNAs as biomarkers in progressive multiple sclerosis. Multiple Sclerosis Journal, 2017, 23, 403-412.	3.0	64
873	Urinary Exosomes Contain MicroRNAs Capable of Paracrine Modulation of Tubular Transporters in Kidney. Scientific Reports, 2017, 7, 40601.	3.3	58
874	Role of microRNA in metabolic shift during heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H33-H45.	3.2	52
875	Effect of dietary Astragalus Polysaccharide supplements on testicular miRNA expression profiles and enzymatic changes of breeder cocks. Scientific Reports, 2017, 7, 38864.	3.3	23
876	Gene length as a biological timer to establish temporal transcriptional regulation. Cell Cycle, 2017, 16, 259-270.	2.6	22
877	<i>In vitro</i> 3D model and miRNA drug delivery to target calcific aortic valve disease. Clinical Science, 2017, 131, 181-195.	4.3	24
878	Epigenetic aspects of rheumatoid arthritis: contribution of non-coding RNAs. Seminars in Arthritis and Rheumatism, 2017, 46, 724-731.	3.4	28
879	Hsa-let-7c-5p augments enterovirus 71 replication through viral subversion of cell signaling in rhabdomyosarcoma cells. Cell and Bioscience, 2017, 7, 7.	4.8	20
880	MicroRNAs in brain aging. Mechanisms of Ageing and Development, 2017, 168, 3-9.	4.6	51
881	<scp>RNA</scp> in extracellular vesicles. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1413.	6.4	363
882	The evolutionary origin of plant and animal microRNAs. Nature Ecology and Evolution, 2017, 1, 27.	7.8	180
883	Expression profiling and bioinformatic analyses suggest new target genes and pathways for human hair follicle related microRNAs. BMC Dermatology, 2017, 17, 3.	2.1	35
884	Purified Streptococcus pneumoniae Endopeptidase O (PepO) Enhances Particle Uptake by Macrophages in a Toll-Like Receptor 2- and miR-155-Dependent Manner. Infection and Immunity, 2017, 85, .	2.2	18
885	Anti-inflammatory effects of curcumin are associated with down regulating microRNA-155 in LPS-treated macrophages and mice. Pharmaceutical Biology, 2017, 55, 1263-1273.	2.9	99
886	MiR-125b Regulates the Osteogenic Differentiation of Human Mesenchymal Stem Cells by Targeting BMPR1b. Cellular Physiology and Biochemistry, 2017, 41, 530-542.	1.6	60
887	TGF-β 1-miR-200a-PTEN induces epithelial–mesenchymal transition and fibrosis of pancreatic stellate cells. Molecular and Cellular Biochemistry, 2017, 431, 161-168.	3.1	36
889	A Gold@Polydopamine Core–Shell Nanoprobe for Long-Term Intracellular Detection of MicroRNAs in Differentiating Stem Cells. Methods in Molecular Biology, 2017, 1570, 155-164.	0.9	5

#	ARTICLE	IF	CITATIONS
890	The Evolutionary Loss of RNAi Key Determinants in Kinetoplastids as a Multiple Sporadic Phenomenon. Journal of Molecular Evolution, 2017, 84, 104-115.	1.8	15
891	Identification of miRNAs as biomarkers for acquired endocrine resistance in breast cancer. Molecular and Cellular Endocrinology, 2017, 456, 76-86.	3.2	35
892	Biogenesis and Function of Ago-Associated RNAs. Trends in Genetics, 2017, 33, 208-219.	6.7	104
893	Long non-coding RNA NEAT1 promotes malignant progression of thyroid carcinoma by regulating miRNA-214. International Journal of Oncology, 2017, 50, 708-716.	3.3	88
894	Tranilast Inhibits Genes Functionally Involved in Cell Proliferation, Fibrosis, and Epigenetic Regulation and Epigenetically Induces miR-29c Expression in Leiomyoma Cells. Reproductive Sciences, 2017, 24, 1253-1263.	2.5	27
895	miRNAs cooperate in apoptosis regulation during <i>C. elegans</i> development. Genes and Development, 2017, 31, 209-222.	5.9	40
896	Discovery of Human MicroRNA Precursor Binding to Folic Acid by Small RNA Transcriptomic SELEX. Springer Theses, 2017, , 13-42.	0.1	0
897	MiR-9-5p promotes MSC migration by activating β-catenin signaling pathway. American Journal of Physiology - Cell Physiology, 2017, 313, C80-C93.	4.6	34
898	miR-24-3p Is Overexpressed in Hodgkin Lymphoma and Protects Hodgkin and Reed-Sternberg Cells from Apoptosis. American Journal of Pathology, 2017, 187, 1343-1355.	3.8	46
900	MicroRNAs in injury and repair. Archives of Toxicology, 2017, 91, 2781-2797.	4.2	28
901	Association of microRNA-155, interleukin 17A, and proteinuria in preeclampsia. Medicine (United States), 2017, 96, e6509.	1.0	25
902	Epigenetic Regulation by Noncoding RNAs in Plant Development. RNA Technologies, 2017, , 183-198.	0.3	3
903	WIG1 is crucial for AGO2-mediated ACOT7 mRNA silencing via miRNA-dependent and -independent mechanisms. Nucleic Acids Research, 2017, 45, 6894-6910.	14.5	9
904	Predicting Functional MicroRNA-mRNA Interactions. Methods in Molecular Biology, 2017, 1580, 117-126.	0.9	13
906	miRNA-mediated post-transcriptional silencing of transgenes leads to increased adeno-associated viral vector yield and targeting specificity. Gene Therapy, 2017, 24, 462-469.	4.5	12
907	Role and Regulation of MicroRNAs in Aldosterone-Mediated Cardiac Injury and Dysfunction in Male Rats. Endocrinology, 2017, 158, 1859-1874.	2.8	22
908	miR-27 regulates chondrogenesis by suppressing focal adhesion kinase during pharyngeal arch development. Developmental Biology, 2017, 429, 321-334.	2.0	14
909	Epigenetics and type 1 diabetes: mechanisms and translational applications. Translational Research, 2017, 185, 85-93.	5.0	40

#	Article	IF	CITATIONS
910	MicroRNAâ€141â€3p targets DAPK1 and inhibits apoptosis in rat ovarian granulosa cells. Cell Biochemistry and Function, 2017, 35, 197-201.	2.9	38
911	Increased serum miR-7 is a promising biomarker for type 2 diabetes mellitus and its microvascular complications. Diabetes Research and Clinical Practice, 2017, 130, 171-179.	2.8	46
912	Primate-specific Long Non-coding RNAs and MicroRNAs. Genomics, Proteomics and Bioinformatics, 2017, 15, 187-195.	6.9	62
913	Plant ARGONAUTEs: Features, Functions, and Unknowns. Methods in Molecular Biology, 2017, 1640, 1-21.	0.9	39
914	MicroRNA-184 is a downstream effector of albuminuria driving renal fibrosis in rats with diabetic nephropathy. Diabetologia, 2017, 60, 1114-1125.	6.3	54
915	MicroRNA-141 enhances anoikis resistance in metastatic progression of ovarian cancer through targeting KLF12/Sp1/survivin axis. Molecular Cancer, 2017, 16, 11.	19.2	101
916	microRNAs in Brain Endothelium and Inflammation. , 2017, , 153-173.		1
917	A microRNA regulates the response of corals to thermal stress. Molecular Ecology, 2017, 26, 3472-3483.	3.9	31
918	Assessing the miRNA sponge potential of RUNX1T1 in t(8;21) acute myeloid leukemia. Gene, 2017, 615, 35-40.	2.2	12
919	Radiation-inducible miR-770-5p sensitizes tumors to radiation through direct targeting of PDZ-binding kinase. Cell Death and Disease, 2017, 8, e2693-e2693.	6.3	26
920	Molecular mechanism of mRNA repression in <i>trans</i> by a ProQâ€dependent small RNA. EMBO Journal, 2017, 36, 1029-1045.	7.8	128
921	Dissecting miRNA gene repression on single cell level with an advanced fluorescent reporter system. Scientific Reports, 2017, 7, 45197.	3.3	14
922	Overexpression of miR-10b in colorectal cancer patients: Correlation with <i>TWIST-1</i> and E-cadherin expression. Tumor Biology, 2017, 39, 101042831769591.	1.8	32
923	Long noncoding miRNA gene represses wheat β-diketone waxes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3149-E3158.	7.1	49
924	Circulating osteocyte-derived exosomes contain miRNAs which are enriched in exosomes from MLO-Y4 cells. Biomedical Reports, 2017, 6, 223-231.	2.0	63
925	Sexâ€specific, reciprocal regulation of <scp>ER</scp> α and miRâ€22 controls muscle lipid metabolism in male mice. EMBO Journal, 2017, 36, 1199-1214.	7.8	31
926	Drug Target miRNA. Methods in Molecular Biology, 2017, , .	0.9	2
927	miRNA-181a/b Regulates Phenotypes of Vessel Smooth Muscle Cells Through Serum Response Factor. DNA and Cell Biology, 2017, 36, 127-135.	1.9	15

#	Article	IF	CITATIONS
928	Peptide-Based Inhibition of miRNA-Guided Gene Silencing. Methods in Molecular Biology, 2017, 1517, 199-210.	0.9	3
929	The role of microRNAs in the pathophysiology of adrenal tumors. Molecular and Cellular Endocrinology, 2017, 456, 36-43.	3.2	20
930	<i>In vitro</i> labeling strategies for <i>in cellulo</i> fluorescence microscopy of single ribonucleoprotein machines. Protein Science, 2017, 26, 1363-1379.	7.6	14
931	Can nanotechnology improve cancer diagnosis through miRNA detection?. Biomarkers in Medicine, 2017, 11, 69-86.	1.4	47
932	Small Molecules Targeting the miRNA-Binding Domain of Argonaute 2: From Computer-Aided Molecular Design to RNA Immunoprecipitation. Methods in Molecular Biology, 2017, 1517, 211-221.	0.9	1
933	miRandb: a resource of online services for miRNA research. Briefings in Bioinformatics, 2018, 19, bbw109.	6.5	19
934	Role of ABC transporters in the pathology of Alzheimer's disease. Reviews in the Neurosciences, 2017, 28, 155-159.	2.9	8
935	Integrated analysis of mRNA and viral miRNAs in the kidney of Carassius auratus gibelio response to cyprinid herpesvirus 2. Scientific Reports, 2017, 7, 13787.	3.3	15
936	Two-tailed RT-qPCR: a novel method for highly accurate miRNA quantification. Nucleic Acids Research, 2017, 45, e144-e144.	14.5	146
937	The Epstein-Barr virus miR-BHRF1 microRNAs regulate viral gene expression in cis. Virology, 2017, 512, 113-123.	2.4	24
938	<i>Averrhoa carambola</i> free phenolic extract ameliorates nonalcoholic hepatic steatosis by modulating mircoRNA-34a, mircoRNA-33 and AMPK pathways in leptin receptor-deficient db/db mice. Food and Function, 2017, 8, 4496-4507.	4.6	26
939	Time-lapse imaging of microRNA activity reveals the kinetics of microRNA activation in single living cells. Scientific Reports, 2017, 7, 12642.	3.3	20
940	PAI-1/PIAS3/Stat3/miR-34a forms a positive feedback loop to promote EMT-mediated metastasis through Stat3 signaling in Non-small cell lung cancer. Biochemical and Biophysical Research Communications, 2017, 493, 1464-1470.	2.1	51
941	Thiol-linked alkylation of RNA to assess expression dynamics. Nature Methods, 2017, 14, 1198-1204.	19.0	411
942	Genome-wide identification of microRNAs responsive to Ectropis oblique feeding in tea plant (Camellia) Tj ETQq0	00.rgBT	/Oyerlock 10
943	MicroRNA396a-5p and -3p induce tomato disease susceptibility by suppressing target genes and upregulating salicylic acid. Plant Science, 2017, 265, 177-187.	3.6	30
944	Extraction and qPCR-Based Detection of miRNAs from Cultured PBMCs of Bubaline Origin. Methods in Molecular Biology, 2017, 1656, 89-102.	0.9	1
945	SH3BP4, a novel pigmentation gene, is inversely regulated by miR-125b and MITF. Experimental and Molecular Medicine, 2017, 49, e367-e367.	7.7	15

#	Article	IF	CITATIONS
946	Spinocerebellar ataxia: miRNAs expose biological pathways underlying pervasive Purkinje cell degeneration. Neurobiology of Disease, 2017, 108, 148-158.	4.4	4
947	Long Noncoding RNA H19/miR-675 Axis Promotes Gastric Cancer via FADD/Caspase 8/Caspase 3 Signaling Pathway. Cellular Physiology and Biochemistry, 2017, 42, 2364-2376.	1.6	101
948	Quantity, Not Quality: Rapid Adaptation in a Polygenic Trait Proceeded Exclusively through Expression Differentiation. Molecular Biology and Evolution, 2017, 34, 3099-3110.	8.9	64
949	Selective release of miRNAs via extracellular vesicles is associated with houseâ€dust mite allergenâ€induced airway inflammation. Clinical and Experimental Allergy, 2017, 47, 1586-1598.	2.9	53
950	Lung cancer-associated brain metastasis: Molecular mechanisms and therapeutic options. Cellular Oncology (Dordrecht), 2017, 40, 419-441.	4.4	104
951	MiR-362-3p inhibits the proliferation and migration of vascular smooth muscle cells in atherosclerosis by targeting ADAMTS1. Biochemical and Biophysical Research Communications, 2017, 493, 270-276.	2.1	39
952	Potato spindle tuber viroid infection triggers degradation of chloride channel protein CLC-b-like and Ribosomal protein S3a-like mRNAs in tomato plants. Scientific Reports, 2017, 7, 8341.	3.3	45
953	Discovery and characterization of the feline miRNAome. Scientific Reports, 2017, 7, 9263.	3.3	17
954	Treating the placenta to prevent adverse effects of gestational hypoxia on fetal brain development. Scientific Reports, 2017, 7, 9079.	3.3	76
955	Effective Anti-miRNA Oligonucleotides Show High Releasing Rate of MicroRNA from RNA-Induced Silencing Complex. Nucleic Acid Therapeutics, 2017, 27, 303-308.	3.6	12
956	Down-regulated microRNA-375 expression as a predictive biomarker in non-small cell lung cancer brain metastasis and its prognostic significance. Pathology Research and Practice, 2017, 213, 882-888.	2.3	39
957	MicroRNA: Basic concepts and implications for regeneration and repair of neurodegenerative diseases. Biochemical Pharmacology, 2017, 141, 118-131.	4.4	55
958	Association of microRNAs with Argonaute proteins in the malaria mosquito Anopheles gambiae after blood ingestion. Scientific Reports, 2017, 7, 6493.	3.3	21
959	microRNA-124 targets glucocorticoid receptor and is involved in depression-like behaviors. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 79, 417-425.	4.8	63
960	The combination of miRâ€122 overexpression and Letâ€7f silencing induces hepatic differentiation of adipose tissueâ€derived stem cells. Cell Biology International, 2017, 41, 1083-1092.	3.0	14
962	MiRNAs are Unlikely to be Involved in Retinoid Receptor Gene Regulation in Pancreatic Cancer Cells. Cellular Physiology and Biochemistry, 2017, 44, 644-656.	1.6	10
963	CDX2 is involved in microRNA‑associated inflammatory carcinogenesis in gastric cancer. Oncology Letters, 2017, 14, 6184-6190.	1.8	18
964	microRNAs in skeletal muscle development. Seminars in Cell and Developmental Biology, 2017, 72, 67-76.	5.0	78

#	Article	IF	CITATIONS
965	MicroRNA-34c regulates porcine granulosa cell function by targeting forkhead box O3a. Journal of Integrative Agriculture, 2017, 16, 2019-2028.	3.5	3
966	mir-155 expression is downregulated in kidney transplant patients with human cytomegalovirus infection. Transplant Immunology, 2017, 43-44, 60-63.	1.2	5
968	Argonaute Utilization for miRNA Silencing Is Determined by Phosphorylation-Dependent Recruitment of LIM-Domain-Containing Proteins. Cell Reports, 2017, 20, 173-187.	6.4	57
969	Prenatal exposure to valproic acid increases miR-132 levels in the mouse embryonic brain. Molecular Autism, 2017, 8, 33.	4.9	22
970	Targeting EZH2 in cancer therapy. Current Opinion in Oncology, 2017, 29, 375-381.	2.4	179
971	MicroRNA-200b Expression in the Vitreous Humor of Patients with Proliferative Diabetic Retinopathy. Ophthalmic Research, 2017, 58, 168-175.	1.9	34
972	MicroRNA function in Drosophila memory formation. Current Opinion in Neurobiology, 2017, 43, 15-24.	4.2	17
973	microRNA-122 target sites in the hepatitis C virus RNA NS5B coding region and 3′ untranslated region: function in replication and influence of RNA secondary structure. Cellular and Molecular Life Sciences, 2017, 74, 747-760.	5.4	28
974	A chromosome 16p13.11 microduplication causes hyperactivity through dysregulation of miR-484/protocadherin-19 signaling. Molecular Psychiatry, 2017, 22, 364-374.	7.9	53
975	Modeling of the catalytic core of Arabidopsis thaliana Dicer-like 4 protein and its complex with double-stranded RNA. Computational Biology and Chemistry, 2017, 66, 44-56.	2.3	12
976	CircDOCK1 suppresses cell apoptosis via inhibition of miR‑196a‑5p by targeting BIRC3 in OSCC. Oncology Reports, 2018, 39, 951-966.	2.6	91
977	Differential microRNA expression in the prefrontal cortex of mouse offspring induced by glyphosate exposure during pregnancy and lactation. Experimental and Therapeutic Medicine, 2018, 15, 2457-2467.	1.8	18
979	Small RNA and drought tolerance in crop plants. Indian Journal of Plant Physiology, 2017, 22, 422-433.	0.8	8
980	Mitochondrial noncoding RNA transport. BMB Reports, 2017, 50, 164-174.	2.4	49
981	Dose-Response of High-Intensity Training (HIT) on Atheroprotective miRNA-126 Levels. Frontiers in Physiology, 2017, 8, 349.	2.8	31
982	Biomarkers of multiple sclerosis: current findings. Degenerative Neurological and Neuromuscular Disease, 2017, Volume 7, 19-29.	1.3	79
983	MicroRNA-216b-5p Functions as a Tumor-suppressive RNA by Targeting TPT1 in Pancreatic Cancer Cells. Journal of Cancer, 2017, 8, 2854-2865.	2.5	43
984	MicroRNA Expression Patterns Involved in Amyloid Beta–Induced Retinal Degeneration. , 2017, 58, 1726.		21

#	Article	IF	CITATIONS
985	Peptide Nucleic Acid-Based Biosensors for Cancer Diagnosis. Molecules, 2017, 22, 1951.	3.8	83
986	Nutrimiromics: Role of microRNAs and Nutrition in Modulating Inflammation and Chronic Diseases. Nutrients, 2017, 9, 1168.	4.1	99
987	Is There a Role for Genomics in the Management of Hypertension?. International Journal of Molecular Sciences, 2017, 18, 1131.	4.1	40
988	Role and Therapeutic Targeting of the HCF/MET Pathway in Glioblastoma. Cancers, 2017, 9, 87.	3.7	53
989	Plant MicroRNAs—Novel Players in Natural Medicine?. International Journal of Molecular Sciences, 2017, 18, 9.	4.1	76
990	Involvement of Host Non-Coding RNAs in the Pathogenesis of the Influenza Virus. International Journal of Molecular Sciences, 2017, 18, 39.	4.1	43
991	Urinary Exosomes and Their Cargo: Potential Biomarkers for Mineralocorticoid Arterial Hypertension?. Frontiers in Endocrinology, 2017, 8, 230.	3.5	36
992	Genome-Wide microRNA Binding Site Variation between Extinct Wild Aurochs and Modern Cattle Identifies Candidate microRNA-Regulated Domestication Genes. Frontiers in Genetics, 2017, 8, 3.	2.3	24
993	Environment-Dependent Genotype-Phenotype Associations in Avian Breeding Time. Frontiers in Genetics, 2017, 8, 102.	2.3	34
994	microRNAs in the Lymphatic Endothelium: Master Regulators of Lineage Plasticity and Inflammation. Frontiers in Immunology, 2017, 8, 104.	4.8	7
995	Implications of MicroRNAs in Oncolytic Virotherapy. Frontiers in Oncology, 2017, 7, 142.	2.8	21
996	MicroRNA Mediating Networks in Granulosa Cells Associated with Ovarian Follicular Development. BioMed Research International, 2017, 2017, 1-18.	1.9	11
997	The Involvement of miR-29b-3p in Arterial Calcification by Targeting Matrix Metalloproteinase-2. BioMed Research International, 2017, 2017, 1-9.	1.9	33
998	Global and gene-specific DNA methylation and hydroxymethylation in human skin exposed and not exposed to sun radiation. Anais Brasileiros De Dermatologia, 2017, 92, 793-800.	1.1	11
999	Coordinated Actions of MicroRNAs with other Epigenetic Factors Regulate Skeletal Muscle Development and Adaptation. International Journal of Molecular Sciences, 2017, 18, 840.	4.1	65
1000	Long 3'UTR of Nurr1 mRNAs is targeted by miRNAs in mesencephalic dopamine neurons. PLoS ONE, 2017, 12, e0188177.	2.5	13
1001	MicroRNA Regulation of HDL Homeostasis. , 2017, , 209-229.		0
1002	The therapeutic landscape of HIV-1 via genome editing. AIDS Research and Therapy, 2017, 14, 32.	1.7	24

#	Article	IF	Citations
1003	miR-200c suppresses endometriosis by targeting MALAT1 in vitro and in vivo. Stem Cell Research and Therapy, 2017, 8, 251.	5.5	91
1004	Brain tumor initiating cells: with great technology will come greater understanding. Future Neurology, 2017, 12, 223-236.	0.5	1
1005	Potential proteins targeted by let-7f-5p in HeLa cells. BioScience Trends, 2017, 11, 363-365.	3.4	7
1006	miR‑660‑5p is associated with cell migration, invasion, proliferation and apoptosis in renal cell carcinoma. Molecular Medicine Reports, 2018, 17, 2051-2060.	2.4	11
1007	Computational Challenges and -omics Approaches for the Identification of microRNAs and Targets. , 2017, , 39-59.		1
1008	Translational control in plant antiviral immunity. Genetics and Molecular Biology, 2017, 40, 292-304.	1.3	31
1009	MicroRNA Expression in Bovine Cumulus Cells in Relation to Oocyte Quality. Non-coding RNA, 2017, 3, 12.	2.6	17
1010	Oncogenic miR-100-5p is associated with cellular viability, migration and apoptosis in renal cell carcinoma. Molecular Medicine Reports, 2017, 16, 5023-5030.	2.4	17
1011	Sleep, Synaptic Plasticity, and Memory. , 2017, , 539-562.		0
1012	MicroRNA biogenesis: Epigenetic modifications as another layer of complexity to the microRNA expression regulation. Acta Biochimica Polonica, 2017, 63, 717-723.	0.5	25
1013	The Role of MicroRNA in Pathogenesis and as Markers of HCV Chronic Infection. Current Drug Targets, 2017, 18, 756-765.	2.1	18
1014	New insights into epigenetic modifications in heart failure. Frontiers in Bioscience - Landmark, 2017, 22, 230-247.	3.0	8
1015	MicroRNA Biomarkers in Neurodegenerative Diseases and Emerging Nano-Sensors Technology. Journal of Movement Disorders, 2017, 10, 18-28.	1.3	23
1016	Current Progress and Future Prospects in Nucleic Acid Based Therapeutics. , 2017, , 280-313.		4
1017	Preoperative chemoradiotherapy for rectal cancer: the sensitizer role of the association between miR-375 and c-Myc. Oncotarget, 2017, 8, 82294-82302.	1.8	8
1018	Plant microRNAs: Front line players against invading pathogens. Microbial Pathogenesis, 2018, 118, 9-17.	2.9	48
1019	miR-51 regulates GABAergic synapses by targeting Rab GEF GLO-4 and lysosomal trafficking-related GLO/AP-3 pathway in Caenorhabditis elegans. Developmental Biology, 2018, 436, 66-74.	2.0	9
1020	MicroRNAs: crucial regulators of placental development. Reproduction, 2018, 155, R259-R271.	2.6	125

#	Article	IF	CITATIONS
1021	Evolution of New miRNAs and Cerebro-Cortical Development. Annual Review of Neuroscience, 2018, 41, 119-137.	10.7	27
1022	The AGO proteins: an overview. Biological Chemistry, 2018, 399, 525-547.	2.5	34
1023	mi <scp>RNA</scp> â€15a, mi <scp>RNA</scp> â€16, mi <scp>RNA</scp> â€126, mi <scp>RNA</scp> â€146a, and mi <scp>RNA</scp> â€223 expressions in autologous hematopoietic stem cell transplantation and their impact on engraftment. European Journal of Haematology, 2018, 100, 426-435.	2.2	10
1024	A Luciferâ€Based Environmentâ€Sensitive Fluorescent PNA Probe for Imaging Poly(A) RNAs. ChemBioChem, 2018, 19, 826-835.	2.6	4
1025	Epigenetics and its implications for oral health. Journal of Oral Biosciences, 2018, 60, 41-48.	2.2	6
1026	DIANA-TarBase v8: a decade-long collection of experimentally supported miRNA–gene interactions. Nucleic Acids Research, 2018, 46, D239-D245.	14.5	852
1027	Rad51 and Dmc1 Recombinases. , 2018, , 1009-1016.		1
1028	An Overexpressed <i>Q</i> Allele Leads to Increased Spike Density and Improved Processing Quality in Common Wheat (<i>Triticum aestivum</i>). G3: Genes, Genomes, Genetics, 2018, 8, 771-778.	1.8	27
1029	MiR-1275 promotes cell migration, invasion and proliferation in squamous cell carcinoma of head and neck via up-regulating IGF-1R and CCR7. Gene, 2018, 646, 1-7.	2.2	39
1030	Endogenous Cellular MicroRNAs Mediate Antiviral Defense against Influenza A Virus. Molecular Therapy - Nucleic Acids, 2018, 10, 361-375.	5.1	72
1031	Know your enemy, embrace your friend: using omics to understand how plants respond differently to pathogenic and mutualistic microorganisms. Plant Journal, 2018, 93, 729-746.	5.7	129
1032	Circulating and urinary microRNAs as possible biomarkers in kidney transplantation. Transplantation Reviews, 2018, 32, 110-118.	2.9	8
1033	MicroRNAs as therapeutic targets for the treatment of diabetes mellitus and its complications. Expert Opinion on Therapeutic Targets, 2018, 22, 153-160.	3.4	71
1034	Secretory microRNAs as biomarkers of cancer. Seminars in Cell and Developmental Biology, 2018, 78, 22-36.	5.0	81
1035	Circulating microRNAs as potential biomarkers of disease activity and structural damage in ankylosing spondylitis patients. Human Molecular Genetics, 2018, 27, 875-890.	2.9	58
1036	Differential expression of miRNA in Carassius auratus gibelio in response to cyprinid herpesvirus 2 infection. Developmental and Comparative Immunology, 2018, 82, 1-6.	2.3	16
1037	mirDIP 4.1—integrative database of human microRNA target predictions. Nucleic Acids Research, 2018, 46, D360-D370.	14.5	430
1038	Systematic analysis of the regulatory roles of microRNAs in postnatal maturation and metergasis of liver of breeder cocks. Scientific Reports, 2018, 8, 61.	3.3	0

#	Article	IF	CITATIONS
1039	FoxO1, A2M, and TGF-β1: three novel genes predicting depression in gene X environment interactions are identified using cross-species and cross-tissues transcriptomic and miRNomic analyses. Molecular Psychiatry, 2018, 23, 2192-2208.	7.9	73
1040	Xianyu decoction attenuates the inflammatory response of human lung bronchial epithelial cell. Biomedicine and Pharmacotherapy, 2018, 102, 1092-1098.	5.6	6
1041	The number of titrated microRNA species dictates ceRNA regulation. Nucleic Acids Research, 2018, 46, 4354-4369.	14.5	32
1042	Circular RNAs and exosomes in cancer: a mysterious connection. Clinical and Translational Oncology, 2018, 20, 1109-1116.	2.4	39
1043	Transmission of microRNA antimiRs to mouse offspring via the maternal–placental–fetal unit. Rna, 2018, 24, 865-879.	3.5	5
1044	Herpesvirus-encoded microRNAs detected in human gingiva alter host cell transcriptome and regulate viral infection. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2018, 1861, 497-508.	1.9	20
1045	Anti-miRNA oligonucleotides: A comprehensive guide for design. RNA Biology, 2018, 15, 338-352.	3.1	172
1046	The role of microRNAs and nanoparticles in ovarian cancer: a review. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 241-247.	2.8	36
1047	MicroRNA Metabolism and Dysregulation in Amyotrophic Lateral Sclerosis. Molecular Neurobiology, 2018, 55, 2617-2630.	4.0	51
1048	Maintaining good miRNAs in the body keeps the doctor away?: Perspectives on the relationship between foodâ€derived natural products and microRNAs in relation to exosomes/extracellular vesicles. Molecular Nutrition and Food Research, 2018, 62, 1700080.	3.3	28
1049	Expression Profiling of IncRNAs, miRNAs, and mRNAs and Their Differential Expression in Leiomyoma Using Next-Generation RNA Sequencing. Reproductive Sciences, 2018, 25, 246-255.	2.5	42
1050	miRNAs in nutrition, obesity, and cancer: The biology of miRNAs in metabolic disorders and its relationship with cancer development. Molecular Nutrition and Food Research, 2018, 62, 1600994.	3.3	16
1051	miRâ€302aâ€3p regulates RANKL expression in human mandibular osteoblastâ€like cells. Journal of Cellular Biochemistry, 2018, 119, 4372-4381.	2.6	17
1052	Pre-implantation alcohol exposure and developmental programming of FASD: an epigenetic perspective. Biochemistry and Cell Biology, 2018, 96, 117-130.	2.0	9
1054	Epigenetic regulation of melatonin receptors in neuropsychiatric disorders. British Journal of Pharmacology, 2018, 175, 3209-3219.	5.4	28
1055	microRNA expression in the neural retina: Focus on Müller glia. Journal of Neuroscience Research, 2018, 96, 362-370.	2.9	10
1056	Defining a microRNA-mRNA interaction map for calcineurin inhibitor induced nephrotoxicity. American Journal of Transplantation, 2018, 18, 796-809.	4.7	10
1057	MicroRNA Profiling in Aging Brain of PSEN1/PSEN2 Double Knockout Mice. Molecular Neurobiology, 2018, 55, 5232-5242.	4.0	11

#	Article	IF	CITATIONS
1058	Protection of macrophages from intracellular pathogens by miRâ€182â€5p mimic—a gene expression metaâ€analysis approach. FEBS Journal, 2018, 285, 244-260.	4.7	8
1059	MiR-122 and other microRNAs as potential circulating biomarkers of drug-induced liver injury. Expert Review of Molecular Diagnostics, 2018, 18, 47-54.	3.1	52
1060	Discovery of microRNAs associated with the antiviral immune response of Atlantic cod macrophages. Molecular Immunology, 2018, 93, 152-161.	2.2	64
1061	MicroRNA-based therapeutics in cardiovascular disease: screening and delivery to the target. Biochemical Society Transactions, 2018, 46, 11-21.	3.4	115
1062	CaSR signaling downâ€regulates AQP2 expression <i>via</i> a novel microRNA pathway in pendrin and NaCl cotransporter knockout mice. FASEB Journal, 2018, 32, 2148-2159.	0.5	24
1063	Sprint Interval Training Decreases Circulating MicroRNAs Important for Muscle Development. International Journal of Sports Medicine, 2018, 39, 67-72.	1.7	13
1064	Towards topical microRNA-directed therapy for epidermal disorders. Journal of Controlled Release, 2018, 269, 136-147.	9.9	32
1065	Dynamic transcriptional control of macrophage miRNA signature via inflammation responsive enhancers revealed using a combination of next generation sequencing-based approaches. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2018, 1861, 14-28.	1.9	8
1066	Characterization and assessment of potential microRNAs involved in phosphateâ€induced aortic calcification. Journal of Cellular Physiology, 2018, 233, 4056-4067.	4.1	24
1067	Mesenchymal stem cells as natural biofactories for exosomes carrying miR-124a in the treatment of gliomas. Neuro-Oncology, 2018, 20, 380-390.	1.2	173
1068	Epigenomics in tobacco risk assessment: Opportunities for integrated new approaches. Current Opinion in Toxicology, 2018, 11-12, 67-83.	5.0	2
1069	New players in chronic lung disease identified at the European Respiratory Society International Congress in Paris 2018: from microRNAs to extracellular vesicles. Journal of Thoracic Disease, 2018, 10, S2983-S2987.	1.4	2
1070	The role of the fat mass and obesity‑associated protein in the proliferation of pancreatic cancer cells. Oncology Letters, 2019, 17, 2473-2478.	1.8	54
1071	Differentially expressed microRNAs in lung adenocarcinoma invert effects of copy number aberrations of prognostic genes. Oncotarget, 2018, 9, 9137-9155.	1.8	13
1072	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
1073	miR‑205 targets runt‑related transcription factor�2 to inhibit human pancreatic cancer progression. Oncology Letters, 2018, 17, 843-848.	1.8	11
1074	Interplay between Transcription and RNA Degradation. , 2018, , .		2
1075	microRNA profile datasets of murine macrophages infected with different strains of Leptospira spp. Scientific Data, 2018, 5, 180171.	5.3	0

ARTICLE IF CITATIONS Dynamics of miR156 and miR172 involved in the flowering of Jatropha curcas L. Acta Botanica Brasilica, 1076 0.8 6 2018, 32, 99-106. MicroRNAâ€125 inhibits RKO colorectal cancer cell growth by targeting VEGF. International Journal of 4.0 34 Molecular Medicine, 2018, 42, 665-673. Post-Transcriptional Control of RNA Expression in Cancer., 0, , . 2 1078 Targeting Non-coding RNA in Vascular Biology and Disease. Frontiers in Physiology, 2018, 9, 1655. 1079 Exercise Training-Induced Changes in MicroRNAs: Beneficial Regulatory Effects in Hypertension, Type 2 1080 4.1 74 Diabetes, and Obesity. International Journal of Molecular Sciences, 2018, 19, 3608. Unleashing the Full Potential of Oncolytic Adenoviruses against Cancer by Applying RNA Interference: 4.1 The Force Awakens. Cells, 2018, 7, 228. MicroRNAs as Regulators of Insulin Signaling: Research Updates and Potential Therapeutic 1082 4.1 77 Perspectives in Type 2 Diabetes. International Journal of Molecular Sciences, 2018, 19, 3705. Expression and Function of Kaposi's Sarcoma-Associated Herpesvirus Non-coding RNAs. Current 1083 3.4 Clinical Microbiology Reports, 2018, 5, 211-218. Identification and characterisation of microRNAs and their target genes in phosphate-starved Nicotiana benthamiana by small RNA deep sequencing and 5'RACE analysis. BMC Genomics, 2018, 19, 940. 1084 2.8 25 Maize Small RNAs as Seeds of Change and Stability in Gene Expression and Genome Stability. Compendium of Plant Genomes, 2018, , 113-127 Contribution of regulatory Ti̇¿½cells to immune tolerance and association of microRNAâ€′210 and Foxp3 in 1086 2.4 21 preeclampsia. Molecular Medicine Reports, 2019, 19, 1150-1158. Integrated microRNA and mRNA analysis in the pathogenic filamentous fungus Trichophyton rubrum. 2.8 BMČ Genomics, 2018, 19, 933. Loss of miR-83 extends lifespan and affects target gene expression in an age-dependent manner in Caenorhabditis elegans. Journal of Genetics and Genomics, 2018, 45, 651-662. 1088 3.9 9 Oxidants and Endothelial Dysfunction., 2018, , 252-281. 1089 miRTissue: a web application for the analysis of miRNA-target interactions in human tissues. BMC 1090 2.6 7 Bioinformatics, 2018, 19, 434. Progress Toward Deep Sequencing-Based Discovery of Stress-Related MicroRNA in Plants and Available 1091 Bioinformatics Tools. Progress in Botany Fortschritte Der Botanik, 2018, , 41-76. A novel class of microRNA-recognition elements that function only within open reading frames. 1092 8.2 134 Nature Structural and Molecular Biology, 2018, 25, 1019-1027. Functional Role of Circular RNA in Regenerative Medicine. Advances in Experimental Medicine and 1093 1.6 Biology, 2018, 1087, 299-308.

#	Article	IF	CITATIONS
1094	Novel Roles of Non-Coding RNAs in Opioid Signaling and Cardioprotection. Non-coding RNA, 2018, 4, 22.	2.6	13
1095	MicroRNAs from plants to animals, do they define a new messenger for communication?. Nutrition and Metabolism, 2018, 15, 68.	3.0	94
1096	When Knowing "Enough―May Still Not Be Enough. Circulation Research, 2018, 123, 412-414.	4.5	4
1097	Colon Epithelial MicroRNA Network in Fatty Liver. Canadian Journal of Gastroenterology and Hepatology, 2018, 2018, 1-12.	1.9	1
1098	Overexpression of CD98 in intestinal epithelium dysregulates miRNAs and their targeted proteins along the ileal villus-crypt axis. Scientific Reports, 2018, 8, 16220.	3.3	4
1099	MicroRNA therapeutics: design of single-stranded miR-216b mimics to target <i>KRAS</i> in pancreatic cancer cells. RNA Biology, 2018, 15, 1273-1285.	3.1	29
1100	MitomiRs in Human Inflamm-Aging. , 2018, , 1-29.		2
1101	Genes involved in miRNA biogenesis affect meiosis and fertility. Chromosome Research, 2018, 26, 233-241.	2.2	9
1102	Annotation and functional clustering of circRNA expression in rhesus macaque brain during aging. Cell Discovery, 2018, 4, 48.	6.7	49
1103	miRmapper: A Tool for Interpretation of miRNA–mRNA Interaction Networks. Genes, 2018, 9, 458.	2.4	25
1104	Crosstalk between alternative polyadenylation and miRNAs in the regulation of protein translational efficiency. Genome Research, 2018, 28, 1656-1663.	5.5	35
1105	Comparative analyses of longissimus muscle miRNAomes reveal microRNAs associated with differential regulation of muscle fiber development between Tongcheng and Yorkshire pigs. PLoS ONE, 2018, 13, e0200445.	2.5	13
1106	Are microRNAs Important Players in HIV-1 Infection? An Update. Viruses, 2018, 10, 110.	3.3	61
1107	Singleâ€cell <scp>mRNA</scp> profiling reveals the hierarchical response of mi <scp>RNA</scp> targets to mi <scp>RNA</scp> induction. Molecular Systems Biology, 2018, 14, e8266.	7.2	24
1108	Novel epigenetic-sensitive clinical challenges both in type 1 and type 2 diabetes. Journal of Diabetes and Its Complications, 2018, 32, 1076-1084.	2.3	37
1109	miR-194-3p Represses the Progesterone Receptor and Decidualization in Eutopic Endometrium From Women With Endometriosis. Endocrinology, 2018, 159, 2554-2562.	2.8	52
1110	Role of GW182 protein in the cell. International Journal of Biochemistry and Cell Biology, 2018, 101, 29-38.	2.8	25
1111	MicroRNA‑20b‑5p promotes ventricular remodeling by targeting the TGF‴β/Smad signaling pathway in a rat model of ischemia‑reperfusion injury. International Journal of Molecular Medicine, 2018, 42, 975-987.	4.0	26

#	Article	IF	Citations
1112	MicroRNAs in Exosomes in Cancer. , 2018, , 59-78.		4
1113	Inhibition of microRNA-155 modulates endotoxin tolerance by upregulating suppressor of cytokine signaling 1 in microglia. Experimental and Therapeutic Medicine, 2018, 15, 4709-4716.	1.8	14
1114	MiR-199a-5p Inhibits the Growth and Metastasis of Colorectal Cancer Cells by Targeting ROCK1. Technology in Cancer Research and Treatment, 2018, 17, 153303461877550.	1.9	40
1115	mi <scp>RNA</scp> â€106a and prostate cancer radioresistance: a novel role for <scp>LITAF</scp> in <scp>ATM</scp> regulation. Molecular Oncology, 2018, 12, 1324-1341.	4.6	39
1116	PPAR <i>α</i> Regulates the Proliferation of Human Glioma Cells through miR-214 and E2F2. BioMed Research International, 2018, 2018, 1-10.	1.9	18
1117	MicroRNAs Regulate Sleep and Sleep Homeostasis in Drosophila. Cell Reports, 2018, 23, 3776-3786.	6.4	34
1118	MiR-146b protect against sepsis induced mice myocardial injury through inhibition of Notch1. Journal of Molecular Histology, 2018, 49, 411-417.	2.2	35
1119	A mixed antagonistic/synergistic miRNA repression model enables accurate predictions of multi-input miRNA sensor activity. Nature Communications, 2018, 9, 2430.	12.8	35
1120	Targeting miRNA by tunable small molecule binders: peptidic aminosugar mediated interference in miR-21 biogenesis reverts epithelial to mesenchymal transition. MedChemComm, 2018, 9, 1147-1154.	3.4	18
1121	Comparison of miRNA Evolution and Function in Plants and Animals. MicroRNA (Shariqah, United Arab) Tj ETQq1	1 0,78431 1.2	.4 rgBT /Ove
1122	Small RNAs Present in Semen and Their Role in Reproduction. , 2018, , 109-123.		2
1123	Fetal nucleic acids in maternal plasma from biology to clinical translation. Frontiers in Bioscience - Landmark, 2018, 23, 397-431.	3.0	9
1124	Genetic Programming of Hypertension. Frontiers in Pediatrics, 2018, 5, 285.	1.9	31
1125	Longer Work/Rest Intervals During High-Intensity Interval Training (HIIT) Lead to Elevated Levels of miR-222 and miR-29c. Frontiers in Physiology, 2018, 9, 395.	2.8	24
1126	Biological significance, computational analysis, and applications of plant microRNAs. Acta Physiologiae Plantarum, 2018, 40, 1.	2.1	7
1127	Regulation of MicroRNAs-Mediated Autophagic Flux: A New Regulatory Avenue for Neurodegenerative Diseases With Focus on Prion Diseases. Frontiers in Aging Neuroscience, 2018, 10, 139.	3.4	25
1128	Role of non-coding RNAs in cardiotoxicity of chemotherapy. Surgical Oncology, 2018, 27, 526-538.	1.6	4
1129	MicroRNA expression analysis identifies a subset of downregulated miRNAs in ALS motor neuron progenitors. Scientific Reports, 2018, 8, 10105	3.3	53

#	Article	IF	CITATIONS
1130	Characterization of the microtranscriptome of macrophages infected with virulent, attenuated and saprophyte strains of Leptospira spp PLoS Neglected Tropical Diseases, 2018, 12, e0006621.	3.0	10
1131	Hippocampal MicroRNAs Respond to Administration of Antidepressant Fluoxetine in Adult Mice. International Journal of Molecular Sciences, 2018, 19, 671.	4.1	14
1132	Modulation of mitochondrial functions by xenobiotic-induced microRNA: From environmental sentinel organisms to mammals. Science of the Total Environment, 2018, 645, 79-88.	8.0	79
1133	ls HERV-K and HERV-W Expression Regulated by miR-155 in Kidney Transplant Patients with Human Cytomegalovirus Infection?. Intervirology, 2018, 61, 23-29.	2.8	5
1134	Why Is a High Temperature Needed by Thermus thermophilus Argonaute During mRNA Silencing: A Theoretical Study. Frontiers in Chemistry, 2018, 6, 223.	3.6	9
1135	MiRâ€181a inhibits vascular inflammation induced by oxâ€LDL via targeting TLR4 in human macrophages. Journal of Cellular Physiology, 2018, 233, 6996-7003.	4.1	31
1136	MicroRNA expression in bovine preimplantation embryos. Reproduction, Fertility and Development, 2018, 30, 546.	0.4	8
1137	Dop1 enhances conspecific olfactory attraction by inhibiting miR-9a maturation in locusts. Nature Communications, 2018, 9, 1193.	12.8	48
1138	Detection of Plant miRNAs Abundance in Human Breast Milk. International Journal of Molecular Sciences, 2018, 19, 37.	4.1	70
1139	MicroRNA Expression Analysis of Naked Silkworms. Journal of Economic Entomology, 2018, 111, 2876-2883.	1.8	4
1140	The methyltransferase HEN1 is required in Nematostella vectensis for microRNA and piRNA stability as well as larval metamorphosis. PLoS Genetics, 2018, 14, e1007590.	3.5	21
1141	Suppression of microRNA-495 alleviates high-glucose-induced retinal ganglion cell apoptosis by regulating Notch/PTEN/Akt signaling. Biomedicine and Pharmacotherapy, 2018, 106, 923-929.	5.6	29
1142	MicroRNA Key to Angiogenesis Regulation: MiRNA Biology and Therapy. Current Cancer Drug Targets, 2018, 18, 266-277.	1.6	221
1143	Epigenetic Effects in Livestock Breeding. Russian Journal of Genetics, 2018, 54, 897-909.	0.6	10
1144	HTLV-1-Mediated Epigenetic Pathway to Adult T-Cell Leukemia–Lymphoma. Frontiers in Microbiology, 2018, 9, 1686.	3.5	32
1145	Endogenous transcripts control miRNA levels and activity in mammalian cells by target-directed miRNA degradation. Nature Communications, 2018, 9, 3119.	12.8	121
1146	Framework Nucleic Acid-Mediated Pull-Down MicroRNA Detection with Hybridization Chain Reaction Amplification. ACS Applied Bio Materials, 2018, 1, 859-864.	4.6	28
1147	Overview of MicroRNA Biogenesis, Mechanisms of Actions, and Circulation. Frontiers in Endocrinology, 2018, 9, 402.	3.5	2,975

		CITATION REPORT		
#	Article		IF	CITATIONS
1148	MicroRNA-mediated immune regulation in rheumatic diseases. Cancer Letters, 2018, 4	-31, 201-212.	7.2	28
1149	miRACA: A database for miRNAs associated with cancers and age related disorders (AR Biology, 2018, 13, 36-50.	D). Frontiers in	0.7	0
1150	Evaluation of the Expression Level and Hormone Receptor Association of miR-126 in B Indian Journal of Clinical Biochemistry, 2019, 34, 451-457.	reast Cancer.	1.9	12
1151	fCLIP-seq for transcriptomic footprinting of dsRNA-binding proteins: Lessons from DRC 2019, 152, 3-11.	DSHA. Methods,	3.8	34
1152	Transgenic micro <scp>RNA</scp> â€14 rice shows high resistance to rice stem borer. I Biotechnology Journal, 2019, 17, 461-471.	Plant	8.3	46
1153	MicroRNAs in brown and beige fat. Biochimica Et Biophysica Acta - Molecular and Cell Lipids, 2019, 1864, 29-36.	Biology of	2.4	40
1154	Evaluation of serum MicroRNA expression profiles in patients with panic disorder. Jour Theoretical Social Psychology, 2019, 29, 8-13.	nal of	1.9	1
1155	MicroRNA let-7-TGFBR3 signalling regulates cardiomyocyte apoptosis after infarction. 2019, 46, 236-247.	EBioMedicine,	6.1	30
1156	Interferon-Inducible MicroRNA miR-128 Modulates HIV-1 Replication by Targeting TNP of Virology, 2019, 93, .	O3 mRNA. Journal	3.4	24
1157	Multidomain Convergence of Argonaute during RISC Assembly Correlates with the For Internal Water Clusters. Molecular Cell, 2019, 75, 725-740.e6.	mation of	9.7	32
1158	Micro RNAs upregulated in Vitiligo skin play an important role in its aetiopathogenesis expression and keratinocyte-melanocytes cross-talk. Scientific Reports, 2019, 9, 1007		3.3	27
1159	Host microRNA miR-1307 suppresses foot-and-mouth disease virus replication by pron degradation and enhancing innate immune response. Virology, 2019, 535, 162-170.	noting VP3	2.4	20
1160	Regulation of cytochrome P450 expression by microRNAs and long noncoding RNAs: E mechanisms in environmental toxicology and carcinogenesis. Journal of Environmenta Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2019, 37, 13	l'Science and	2.9	50
1161	The Role of miRNA in Differentiation, Cell Proliferation, and Pathogenesis of Poultry Dis Journal of Developmental Biology, 2019, 50, 102-112.	seases. Russian	0.5	5
1163	The Implication of mRNA Degradation Disorders on Human DISease: Focus on DIS3 an Enzymes. Advances in Experimental Medicine and Biology, 2019, 1157, 85-98.	d DIS3-Like	1.6	12
1164	In silico analysis excavates potential biomarkers by constructing miRNA-mRNA networ non-cirrhotic HCC and cirrhotic HCC. Cancer Cell International, 2019, 19, 186.	ks between	4.1	17
1165	Roles for miRNAs in osteogenic differentiation of bone marrow mesenchymal stem cel Research and Therapy, 2019, 10, 197.	ls. Stem Cell	5.5	108
1166	MiR-207 inhibits autophagy and promotes apoptosis of cardiomyocytes by directly tar type 2 diabetic cardiomyopathy. Biochemical and Biophysical Research Communicatio		2.1	20

#	Article	IF	CITATIONS
1167	Circulating miRNAs, Small but Promising Biomarkers for Autism Spectrum Disorder. Frontiers in Molecular Neuroscience, 2019, 12, 253.	2.9	40
1169	MicroRNAs in Uteroplacental Vascular Dysfunction. Cells, 2019, 8, 1344.	4.1	24
1170	Identification of microRNAs regulated by tobacco curly shoot virus co-infection with its betasatellite in Nicotiana benthamiana. Virology Journal, 2019, 16, 130.	3.4	10
1171	MicroRNAs Dysregulation and Metabolism in Multiple System Atrophy. Frontiers in Neuroscience, 2019, 13, 1103.	2.8	11
1172	Oct4-mediated reprogramming induces embryonic-like microRNA expression signatures in human fibroblasts. Scientific Reports, 2019, 9, 15759.	3.3	18
1173	The Role of miRNA in the Diagnosis, Prognosis, and Treatment of Osteosarcoma. Cancer Biotherapy and Radiopharmaceuticals, 2019, 34, 605-613.	1.0	65
1174	Literature review of baseline information on nonâ€coding RNA (ncRNA) to support the risk assessment of ncRNAâ€based genetically modified plants for food and feed. EFSA Supporting Publications, 2019, 16, 1688E.	0.7	31
1175	Online Car-Hailing Trip Purpose Inference Based on Spatiotemporal Attribute. , 2019, , .		0
1176	Exosomal miRNA: Small Molecules, Big Impact in Colorectal Cancer. Journal of Oncology, 2019, 2019, 1-18.	1.3	34
1177	Down-regulation of long non-coding RNA SNHG14 protects against acute lung injury induced by lipopolysaccharide through microRNA-34c-3p-dependent inhibition of WISP1. Respiratory Research, 2019, 20, 233.	3.6	33
1178	Circular and Micro RNAs from Arabidopsis thaliana Flowers Are Simultaneously Isolated from AGO-IP Libraries. Plants, 2019, 8, 302.	3.5	19
1179	Translational thresholds in a core circadian clock model. Physical Review E, 2019, 100, 022409.	2.1	2
1180	Genome-wide identification of AGO18b-bound miRNAs and phasiRNAs in maize by cRIP-seq. BMC Genomics, 2019, 20, 656.	2.8	18
1181	MicroRNA-24-3p regulates neuronal differentiation by controlling hippocalcin expression. Cellular and Molecular Life Sciences, 2019, 76, 4569-4580.	5.4	16
1182	MicroRNA signature of human blood mononuclear cells. Molecular and Cellular Biochemistry, 2019, 462, 167-172.	3.1	3
1183	Long noncoding RNA LINC00342 promotes growth of infantile hemangioma by sponging miR-3619-5p from HDGF. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H830-H839.	3.2	16
1184	Human Circulating miRNAs Real-time qRT-PCR-based Analysis: An Overview of Endogenous Reference Genes Used for Data Normalization. International Journal of Molecular Sciences, 2019, 20, 4353.	4.1	76
1186	Progress and prospects of noncoding RNAs in insects. Journal of Integrative Agriculture, 2019, 18, 729-747.	3.5	21

#	Article	IF	CITATIONS
1187	Target prediction of candidate miRNAs from Oryza sativa for silencing the RYMV genome. Computational Biology and Chemistry, 2019, 83, 107127.	2.3	14
1188	RNAi-Mediated Resistance Against Viruses in Perennial Fruit Plants. Plants, 2019, 8, 359.	3.5	12
1189	The MicroRNA, <i>miRâ€18a</i> , Regulates NeuroD and Photoreceptor Differentiation in the Retina of Zebrafish. Developmental Neurobiology, 2019, 79, 202-219.	3.0	16
1190	milR4 and milR16 Mediated Fruiting Body Development in the Medicinal Fungus Cordyceps militaris. Frontiers in Microbiology, 2019, 10, 83.	3.5	19
1191	Label-free fluorescence detection of circulating microRNAs based on duplex-specific nuclease-assisted target recycling coupled with rolling circle amplification. Talanta, 2019, 200, 480-486.	5.5	19
1192	MicroRNA profiling from dried blood samples. Critical Reviews in Clinical Laboratory Sciences, 2019, 56, 111-117.	6.1	13
1193	Dgcr8 knockout approaches to understand microRNA functions in vitro and in vivo. Cellular and Molecular Life Sciences, 2019, 76, 1697-1711.	5.4	28
1194	An Overview of miRNA and miRNA Target Analysis Tools. Methods in Molecular Biology, 2019, 1932, 65-87.	0.9	11
1195	MicroRNA-320 targeting neuropilin 1 inhibits proliferation and migration of vascular smooth muscle cells and neointimal formation. International Journal of Medical Sciences, 2019, 16, 106-114.	2.5	14
1196	A self-assembled peptide nucleic acid–microRNA nanocomplex for dual modulation of cancer-related microRNAs. Chemical Communications, 2019, 55, 2106-2109.	4.1	13
1198	You are what you eat: Sequence analysis reveals how plant microRNAs may regulate the human genome. Computers in Biology and Medicine, 2019, 106, 106-113.	7.0	5
1199	Predicting resistance to endocrine therapy in breast cancer: It's time for epigenetic biomarkers (Review). Oncology Reports, 2019, 41, 1431-1438.	2.6	13
1200	Expression of diseaseâ€related mi <scp>RNA</scp> s in whiteâ€matter lesions of progressive multiple sclerosis brains. Annals of Clinical and Translational Neurology, 2019, 6, 854-862.	3.7	20
1201	The microRNApolymorphisms inmiR-150 and miR-1179 are associated with risk of idiopathic recurrent pregnancy loss. Reproductive BioMedicine Online, 2019, 39, 187-195.	2.4	11
1202	Perspectives on microRNAs and Phased Small Interfering RNAs in Maize (Zea mays L.): Functions and Big Impact on Agronomic Traits Enhancement. Plants, 2019, 8, 170.	3.5	18
1203	Novel Role for miR-1290 in Host Species Specificity of Influenza A Virus. Molecular Therapy - Nucleic Acids, 2019, 17, 10-23.	5.1	20
1204	miR-454-3p exerts tumor-suppressive functions by down-regulation of NFATc2 in glioblastoma. Gene, 2019, 710, 233-239.	2.2	31
1205	Crucial Role of Extracellular Vesicles in Bronchial Asthma. International Journal of Molecular Sciences, 2019, 20, 2589.	4.1	32

#	Article	IF	CITATIONS
1206	miR‑767‑5p inhibits glioma proliferation and metastasis by targeting SUZ12. Oncology Reports, 2019, 42, 55-66.	2.6	18
1207	microRNA‑421 promotes the progression of non‑small cell lung cancer by targeting HOPX and regulating the Wnt/l̂²â€'catenin signaling pathway. Molecular Medicine Reports, 2019, 20, 151-161.	2.4	13
1208	Extensive profiling in <i>Arabidopsis</i> reveals abundant polysome-associated 24-nt small RNAs including AGO5-dependent pseudogene-derived siRNAs. Rna, 2019, 25, 1098-1117.	3.5	12
1209	Comprehensive analysis of full genome sequence and Bd-milRNA/target mRNAs to discover the mechanism of hypovirulence in Botryosphaeria dothidea strains on pear infection with BdCV1 and BdPV1. IMA Fungus, 2019, 10, 3.	3.8	11
1210	Insect genomes: progress and challenges. Insect Molecular Biology, 2019, 28, 739-758.	2.0	115
1211	MicroRNAs as possible indicators of drug sensitivity in breast cancer cell lines. PLoS ONE, 2019, 14, e0216400.	2.5	54
1212	Brazil nut intake increases circulating miR-454-3p and miR-584-5p in obese women. Nutrition Research, 2019, 67, 40-52.	2.9	16
1213	Nutritive implications of dietary microRNAs: facts, controversies, and perspectives. Food and Function, 2019, 10, 3044-3056.	4.6	8
1214	Current Development of siRNA Bioconjugates: From Research to the Clinic. Frontiers in Pharmacology, 2019, 10, 444.	3.5	147
1215	TNRC6 proteins modulate hepatitis C virus replication by spatially regulating the binding of miR-122/Ago2 complexes to viral RNA. Nucleic Acids Research, 2019, 47, 6411-6424.	14.5	13
1216	Intriguing circles: Conflicts and controversies in circular RNA research. Wiley Interdisciplinary Reviews RNA, 2019, 10, e1538.	6.4	93
1217	Rapid and efficient generation of <scp>GFP</scp> â€knockedâ€in <i>Drosophila</i> by the <scp>CRISPR</scp> â€Cas9â€mediated genome editing. Development Growth and Differentiation, 2019, 61, 265-275.	1.5	23
1218	The Influence of Diet on MicroRNAs that Impact Cardiovascular Disease. Molecules, 2019, 24, 1509.	3.8	64
1219	Creatine based polymer for codelivery of bioengineered MicroRNA and chemodrugs against breast cancer lung metastasis. Biomaterials, 2019, 210, 25-40.	11.4	36
1220	Pgc suppresses the zygotically-acting RNA decay pathway to protect germ plasm RNAs in the <i>Drosophila</i> embryo. Development (Cambridge), 2019, 146, .	2.5	7
1221	Circulating blood miRNAs for prostate cancer risk stratification: miRroring the underlying tumor biology with liquid biopsies. Research and Reports in Urology, 2019, Volume 11, 29-42.	1.0	8
1222	Small molecules with big roles in microRNA chemical biology and microRNA-targeted therapeutics. RNA Biology, 2019, 16, 707-718.	3.1	48
1223	MiR-223 promotes oral squamous cell carcinoma proliferation and migration by regulating FBXW7. Cancer Biomarkers, 2019, 24, 325-334.	1.7	23

	Citation Rep	ORT	
Article		IF	Citations
Dietary Lutein Plus Zeaxanthin Intake and DICER1 rs3742330 A > G Polymorph Colorectal Cancer Risk. Scientific Reports, 2019, 9, 3406.	nism Relative to	3.3	23
MicroRNAs in brain development and cerebrovascular pathophysiology. American Journal o Physiology - Cell Physiology, 2019, 317, C3-C19.	f	4.6	36
Extracellular Vesicles Secreted in Response to Cytokine Exposure Increase Mitochondrial O Consumption in Recipient Cells. Frontiers in Cellular Neuroscience, 2019, 13, 51.	Jxygen	3.7	21
MicroRNAs, Hypoxia and the Stem-Like State as Contributors to Cancer Aggressiveness. Fro Genetics, 2019, 10, 125.	ontiers in	2.3	42
MicroRNA expression, targeting, release dynamics and early-warning biomarkers in acute cardiotoxicity induced by triptolide in rats. Biomedicine and Pharmacotherapy, 2019, 111,	1467-1477.	5.6	13
Too Many False Targets for MicroRNAs: Challenges and Pitfalls in Prediction of miRNA Targ Their Gene Ontology in Model and Nonâ€model Organisms. BioEssays, 2019, 41, e180016	ets and 9.	2.5	56
Increased miR-214 expression suppresses cell migration and proliferation in Hirschsprung c interacting with PLAGL2. Pediatric Research, 2019, 86, 460-470.	lisease by	2.3	16
Is venetoclax a new wonder drug in <scp>CLL</scp> ?. British Journal of Haematology, 2019 643-646.	9, 185,	2.5	0
Circulating miR-146a in healthy aging and type 2 diabetes: Age- and gender-specific traject Mechanisms of Ageing and Development, 2019, 180, 1-10.	ories.	4.6	64
Epigenetic modification: a regulatory mechanism in essential hypertension. Hypertension R 2019, 42, 1099-1113.	Research,	2.7	57
Adult stem cells at work: regenerating skeletal muscle. Cellular and Molecular Life Sciences 2559-2570.	s, 2019, 76,	5.4	176
Plant-Derived Edible Nanoparticles and miRNAs: Emerging Frontier for Therapeutics and Tai Drug-Delivery. ACS Sustainable Chemistry and Engineering, 2019, 7, 8055-8069.	rgeted	6.7	95
Import of Non-Coding RNAs into Human Mitochondria: A Critical Review and Emerging App Cells, 2019, 8, 286.	proaches.	4.1	55
Amlodipine induces vasodilation via Akt2/Sp1â€activated miRâ€21 in smooth muscle cells.	. British Journal of	54	17

1237	Pharmacology, 2019, 176, 2306-2320.	5.4	17
1238	miR-93-5p attenuates IL-1β-induced chondrocyte apoptosis and cartilage degradation in osteoarthritis partially by targeting TCF4. Bone, 2019, 123, 129-136.	2.9	48
1239	Exosomes as Drug Carriers for Cancer Therapy. Molecular Pharmaceutics, 2019, 16, 1789-1798.	4.6	135
1240	T7 exo-mediated FRET-breaking combined with DSN–RNAse–TdT for the detection of microRNA with ultrahigh signal-amplification. Analyst, The, 2019, 144, 3216-3220.	3.5	9
1241	Crosstalk Between Mammalian Antiviral Pathways. Non-coding RNA, 2019, 5, 29.	2.6	11

#

1224

1226

1228

1230

1232

1234

#	Article	IF	CITATIONS
1242	Molecular Mechanisms of Lymph Node Metastasis. , 2019, , 69-92.		0
1243	Identification of Key IncRNAs Associated With Atherosclerosis Progression Based on Public Datasets. Frontiers in Genetics, 2019, 10, 123.	2.3	52
1244	The role of microRNAs in bacterial infections. , 2019, , 57-73.		0
1245	MicroRNAs in Aldosterone Production and Action. , 0, , .		1
1246	Integrative Modeling and Novel Technologies in Human Genomics. , 2019, , 155-189.		0
1247	Targeting the epigenome as a therapeutic strategy for pancreatic tumors. , 2019, , 211-244.		0
1248	DIANA-LncBase v3: indexing experimentally supported miRNA targets on non-coding transcripts. Nucleic Acids Research, 2020, 48, D101-D110.	14.5	137
1249	Role of Non-Coding RNAs in the Progression of Liver Cancer: Evidence from Experimental Models. Cancers, 2019, 11, 1652.	3.7	13
1250	Further Disruption of the TAS3 Pathway via the Addition of the AGO7 Mutation to the DRB1, DRB2 or DRB4 Mutations Severely Impairs the Reproductive Competence of Arabidopsis thaliana. Agronomy, 2019, 9, 680.	3.0	3
1251	Clinicopathological significance of miR-27b targeting Golgi protein 73 in patients with hepatocellular carcinoma. Anti-Cancer Drugs, 2019, 30, 186-194.	1.4	16
1252	Applications of miRNAs in cardiac development, disease progression and regeneration. Stem Cell Research and Therapy, 2019, 10, 336.	5.5	37
1253	LncRNA MACC1-AS1 sponges multiple miRNAs and RNA-binding protein PTBP1. Oncogenesis, 2019, 8, 73.	4.9	53
1254	Activation of angiotensin type 2 (AT2) receptors prevents myocardial hypertrophy in Zucker diabetic fatty rats. Acta Diabetologica, 2019, 56, 97-104.	2.5	19
1255	A micro <scp>RNA</scp> cluster in the Fragileâ€X region expressed during spermatogenesis targets <scp>FMR</scp> 1. EMBO Reports, 2019, 20, .	4.5	25
1256	Temporospatial guidance of activity-dependent gene expression by microRNA: mechanisms and functional implications for neural plasticity. Nucleic Acids Research, 2019, 47, 533-545.	14.5	21
1257	Restoration of miRNA-149 Expression by TmPyP4 Induced Unfolding of Quadruplex within Its Precursor. Biochemistry, 2019, 58, 514-525.	2.5	21
1258	Silencing H19 regulated proliferation, invasion, and autophagy in the placenta by targeting miRâ€18aâ€5p. Journal of Cellular Biochemistry, 2019, 120, 9006-9015.	2.6	32
1259	Comprehensive identification of RNA–protein interactions in any organism using orthogonal organic phase separation (OOPS). Nature Biotechnology, 2019, 37, 169-178.	17.5	247

#	Article	IF	CITATIONS
1260	MicroRNA Expression in the Progression and Aggressiveness of Papillary Thyroid Carcinoma. Anticancer Research, 2019, 39, 33-40.	1.1	31
1261	Real-Time Functional Bioimaging of Neuron-Specific MicroRNA Dynamics during Neuronal Differentiation Using a Dual Luciferase Reporter. ACS Chemical Neuroscience, 2019, 10, 1696-1705.	3.5	3
1262	Dysregulated Translation in Neurodevelopmental Disorders: An Overview of Autismâ€Risk Genes Involved in Translation. Developmental Neurobiology, 2019, 79, 60-74.	3.0	36
1263	The Role of Noncoding RNAs in Gene Regulation. , 2019, , 217-235.		0
1264	Chronic psychological stress impairs germinal center response by repressing miR-155. Brain, Behavior, and Immunity, 2019, 76, 48-60.	4.1	8
1265	Short- and long-term alterations of FKBP5-GR and specific microRNAs in the prefrontal cortex and hippocampus of male rats induced by adolescent stress contribute to depression susceptibility. Psychoneuroendocrinology, 2019, 101, 204-215.	2.7	50
1266	Circular RNA circAGO2 drives cancer progression through facilitating HuR-repressed functions of AGO2-miRNA complexes. Cell Death and Differentiation, 2019, 26, 1346-1364.	11.2	223
1267	MiR-26b-3p regulates osteoblast differentiation via targeting estrogen receptor α. Genomics, 2019, 111, 1089-1096.	2.9	21
1268	MYC-Induced miR-203b-3p and miR-203a-3p Control Bcl-xL Expression and Paclitaxel Sensitivity in Tumor Cells. Translational Oncology, 2019, 12, 170-179.	3.7	29
1269	MicroRNAs in the Migration of Mesenchymal Stem Cells. Stem Cell Reviews and Reports, 2019, 15, 3-12.	5.6	15
1270	Profiling of miRNAs in serum of children with attention-deficit hyperactivity disorder shows significant alterations. Journal of Psychiatric Research, 2019, 109, 185-192.	3.1	27
1271	Orientation of Human Microprocessor on Primary MicroRNAs. Biochemistry, 2019, 58, 189-198.	2.5	26
1272	MiRNA-27b Regulates Angiogenesis by Targeting AMPK in Mouse Ischemic Stroke Model. Neuroscience, 2019, 398, 12-22.	2.3	32
1273	Regulation of Cell Cycle Regulatory Proteins by MicroRNAs in Uterine Leiomyoma. Reproductive Sciences, 2019, 26, 250-258.	2.5	26
1274	MicroRNAs and Regeneration in Animal Models of CNS Disorders. Neurochemical Research, 2020, 45, 188-203.	3.3	15
1275	MicroRNA-150-5p promotes cell motility by inhibiting c-Myb-mediated Slug suppression and is a prognostic biomarker for recurrent ovarian cancer. Oncogene, 2020, 39, 862-876.	5.9	18
1276	Transcriptional control of osteoblast differentiation and function. , 2020, , 163-176.		6
1277	Downâ€regulation of mirâ€27b promotes angiogenesis and fibroblast activation through activating PI3K/AKT signaling pathway. Wound Repair and Regeneration, 2020, 28, 39-48.	3.0	4

#	Article	IF	CITATIONS
1278	MicroRNA profiling of human myeloid angiogenic cells derived from peripheral blood mononuclear cells. Biochemistry and Cell Biology, 2020, 98, 203-207.	2.0	2
1279	Circulating plasma exosomes in obstructive sleep apnoea and reverse dipping blood pressure. European Respiratory Journal, 2020, 55, 1901072.	6.7	17
1280	Light Triggers the miRNA-Biogenetic Inconsistency for De-etiolated Seedling Survivability in Arabidopsis thaliana. Molecular Plant, 2020, 13, 431-445.	8.3	30
1281	Independent origin of <i>MIRNA</i> genes controlling homologous target genes by partial inverted duplication of antisenseâ€transcribed sequences. Plant Journal, 2020, 101, 401-419.	5.7	7
1282	Dissimilar Appearances Are Deceptive–Common microRNAs and Therapeutic Strategies in Liver Cancer and Melanoma. Cells, 2020, 9, 114.	4.1	14
1283	Immunoregulatory properties of mesenchymal stem cells: Micro-RNAs. Immunology Letters, 2020, 219, 34-45.	2.5	18
1284	Circulatory miRNA-484, 524, 615 and 628 expression profiling in HCV mediated HCC among Egyptian patients; implications for diagnosis and staging of hepatic cirrhosis and fibrosis. Journal of Advanced Research, 2020, 22, 57-66.	9.5	26
1285	Gene Silencing Mechanisms Revealed by Dynamics of Guide, Target, and Duplex Binding to Argonaute. Journal of Chemical Theory and Computation, 2020, 16, 688-699.	5.3	2
1286	ARRB1-Promoted NOTCH1 Degradation Is Suppressed by OncomiR miR-223 in T-cell Acute Lymphoblastic Leukemia. Cancer Research, 2020, 80, 988-998.	0.9	23
1287	LncRNA ANRIL promotes cell proliferation, migration and invasion during acute myeloid leukemia pathogenesis via negatively regulating miR-34a. International Journal of Biochemistry and Cell Biology, 2020, 119, 105666.	2.8	25
1288	RNA size and 3-dimensional structure determine ultrafiltration behavior of small RNA molecules. Separation and Purification Technology, 2020, 237, 116372.	7.9	8
1289	MicroRNAs and inflammation biomarkers in obesity. , 2020, , 179-185.		3
1290	Polyunsaturated Fatty Acids of Both the Omega-3 and the Omega-6 Family Abrogate the Cytokine-Induced Upregulation of miR-29a-3p by Endothelial Cells. Molecules, 2020, 25, 4466.	3.8	7
1291	Effects of syndecan-4 gene silencing by micro RNA interference in anoikis resistant endothelial cells. International Journal of Biochemistry and Cell Biology, 2020, 128, 105848.	2.8	12
1292	Roles for MDC1 in cancer development and treatment. DNA Repair, 2020, 95, 102948.	2.8	24
1293	Modulation of telomerase expression and function by miRNAs: Anti-cancer potential. Life Sciences, 2020, 259, 118387.	4.3	14
1294	Extracellular Vesicle miRNAs in the Promotion of Cardiac Neovascularisation. Frontiers in Physiology, 2020, 11, 579892.	2.8	27
1295	Multiple Endocrine Neoplasia Type 1: The Potential Role of microRNAs in the Management of the Syndrome. International Journal of Molecular Sciences, 2020, 21, 7592.	4.1	9

#	Article	IF	CITATIONS
1296	Thermus thermophilus Argonaute Functions in the Completion of DNA Replication. Cell, 2020, 182, 1545-1559.e18.	28.9	78
1297	Emerging roles and potential clinical applications of noncoding RNAs in hepatocellular carcinoma. Seminars in Cancer Biology, 2021, 75, 136-152.	9.6	13
1298	Epigenetic regulation of miR-29a/miR-30c/DNMT3A axis controls SOD2 and mitochondrial oxidative stress in human mesenchymal stem cells. Redox Biology, 2020, 37, 101716.	9.0	34
1299	A Functionalized Polydopamine Theranostic Nanoprobe for Efficient Imaging of miRNA-21 and InÂVivo Synergetic Cancer Therapy. Molecular Therapy - Nucleic Acids, 2020, 22, 27-37.	5.1	14
1300	Mechanistic Actions of microRNAs in Diabetic Wound Healing. Cells, 2020, 9, 2228.	4.1	38
1301	Analysis of Serum miRNA in Glioblastoma Patients: CD44-Based Enrichment of Extracellular Vesicles Enhances Specificity for the Prognostic Signature. International Journal of Molecular Sciences, 2020, 21, 7211.	4.1	17
1302	Progressive Control of Streptococcus agalactiae-Induced Innate Inflammatory Response Is Associated with Time Course Expression of MicroRNA-223 by Neutrophils. Infection and Immunity, 2020, 88, .	2.2	8
1303	miRNA Dysregulation in the Development of Non-Alcoholic Fatty Liver Disease and the Related Disorders Type 2 Diabetes Mellitus and Cardiovascular Disease. Frontiers in Medicine, 2020, 7, 527059.	2.6	22
1304	Small interfering RNA for cancer treatment: overcoming hurdles in delivery. Acta Pharmaceutica Sinica B, 2020, 10, 2075-2109.	12.0	116
1305	Extracellular RNA: Emerging roles in cancer cell communication and biomarkers. Cancer Letters, 2020, 495, 33-40.	7.2	11
1306	Modulation of MicroRNAs as a Potential Molecular Mechanism Involved in the Beneficial Actions of Physical Exercise in Alzheimer Disease. International Journal of Molecular Sciences, 2020, 21, 4977.	4.1	32
1307	Circulating miRNAs as molecular markers of occupational grain dust exposure. Scientific Reports, 2020, 10, 11317.	3.3	7
1308	Early Life Stress and the Onset of Obesity: Proof of MicroRNAs' Involvement Through Modulation of Serotonin and Dopamine Systems' Homeostasis. Frontiers in Physiology, 2020, 11, 925.	2.8	18
1309	Identification and Characterization of circRNAs in the Developing Stem Cambium of Poplar Seedlings. Molecular Biology, 2020, 54, 708-718.	1.3	2
1310	Social Isolation and Enrichment Induce Unique miRNA Signatures in the Prefrontal Cortex and Behavioral Changes in Mice. IScience, 2020, 23, 101790.	4.1	4
1311	Molecular insight into regulation of miRNAs in the spleen of zebrafish (Danio rerio) upon pathogenic Streptococcus parauberis infection. Fish and Shellfish Immunology, 2020, 106, 898-909.	3.6	17
1312	Celastrol: A Review of Useful Strategies Overcoming its Limitation in Anticancer Application. Frontiers in Pharmacology, 2020, 11, 558741.	3.5	83
1313	Strontium stress disrupts miRNA biogenesis by reducing HYL1 protein levels in Arabidopsis. Ecotoxicology and Environmental Safety, 2020, 204, 111056.	6.0	6

#	Article	IF	CITATIONS
1314	<scp>MiR</scp> â€122â€5p and <scp>miR</scp> â€326â€3p promote cadmiumâ€induced <scp>NRKâ€52Eapoptosis by downregulating <scp>PLD1</scp>. Environmental Toxicology, 2020, 35, 1334-1342.</scp>	> cell 4.0	19
1315	Long non-coding RNA MALAT1 promotes odontogenic differentiation of human dental pulp stem cells by impairing microRNA-140-5p-dependent downregulation of GIT2. Cell and Tissue Research, 2020, 382, 487-498.	2.9	14
1316	Epigenetic Mechanisms of Resistance to Immune Checkpoint Inhibitors. Biomolecules, 2020, 10, 1061.	4.0	59
1317	Targeted and direct intracellular delivery of native DNAzymes enables highly specific gene silencing. Chemical Science, 2020, 11, 8966-8972.	7.4	15
1318	CRISPR/Cas12a mediated knock-in of the Polled Celtic variant to produce a polled genotype in dairy cattle. Scientific Reports, 2020, 10, 13570.	3.3	16
1319	MicroRNAs and Uveal Melanoma: Understanding the Diverse Role of These Small Molecular Regulators. International Journal of Molecular Sciences, 2020, 21, 5648.	4.1	16
1320	Role of microRNAs in insect-baculovirus interactions. Insect Biochemistry and Molecular Biology, 2020, 127, 103459.	2.7	7
1321	Targeting <scp>SARS CoV2</scp> (Indian isolate) genome with <scp>miRNA</scp> : An in silico study. IUBMB Life, 2020, 72, 2454-2468.	3.4	2
1322	Identification and characterization of SET domain family genes in bread wheat (Triticum aestivum L.). Scientific Reports, 2020, 10, 14624.	3.3	17
1323	Integrated Dissection of IncRNA-Perturbated Triplets Reveals Novel Prognostic Signatures Across Cancer Types. International Journal of Molecular Sciences, 2020, 21, 6087.	4.1	0
1324	MicroRNAs Regulate Intestinal Immunity and Gut Microbiota for Gastrointestinal Health: A Comprehensive Review. Genes, 2020, 11, 1075.	2.4	36
1325	Characterization and functional prediction of the microRNAs differentially expressed in a mouse model of concanavalin A-induced autoimmune hepatitis. International Journal of Medical Sciences, 2020, 17, 2312-2327.	2.5	9
1326	Exosomal microRNAs derived from mesenchymal stem cells: cell-to-cell messages. Cell Communication and Signaling, 2020, 18, 149.	6.5	98
1327	MiRâ€17â€3p inhibits osteoblast differentiation by downregulating <i>Sox6</i> expression. FEBS Open Bio, 2020, 10, 2499-2506.	2.3	9
1328	MicroRNAs as Biomarkers and Therapeutic Targets in Inflammation- and Ischemia-Reperfusion-Related Acute Renal Injury. International Journal of Molecular Sciences, 2020, 21, 6738.	4.1	30
1329	Oxidative Stress and Neuroinflammation as a Pivot in Drug Abuse. A Focus on the Therapeutic Potential of Antioxidant and Anti-Inflammatory Agents and Biomolecules. Antioxidants, 2020, 9, 830.	5.1	40
1330	Mechanism underlying increased cardiac extracellular matrix deposition in perinatal nicotine-exposed offspring. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H651-H660.	3.2	12
1331	Differential expression of microRNAs in the human fetal left and right cerebral cortex. Molecular Biology Reports, 2020, 47, 6573-6586.	2.3	7

#	Article	IF	CITATIONS
1332	Unravelling the developmental and functional significance of an ancient Argonaute duplication. Nature Communications, 2020, 11, 6187.	12.8	17
1333	MicroRNA as an early diagnostic biomarker for contrast-induced acute kidney injury. Drug and Chemical Toxicology, 2022, 45, 1552-1557.	2.3	6
1334	Alzheimer's, Parkinson's Disease and Amyotrophic Lateral Sclerosis Gene Expression Patterns Divergence Reveals Different Grade of RNA Metabolism Involvement. International Journal of Molecular Sciences, 2020, 21, 9500.	4.1	23
1335	miR-152 Attenuates Apoptosis in Chondrocytes and Degeneration of Cartilages in Osteoarthritis Rats via TCF-4 Pathway. Dose-Response, 2020, 18, 155932582094691.	1.6	6
1336	Comprehensive MicroRNA Expression Profile of the Mammary Gland in Lactating Dairy Cows With Extremely Different Milk Protein and Fat Percentages. Frontiers in Genetics, 2020, 11, 548268.	2.3	9
1337	Premature MicroRNA-Based Therapeutic: A "One-Two Punch―against Cancers. Cancers, 2020, 12, 3831.	3.7	3
1338	miRNA regulation of social and anxiety-related behaviour. Cellular and Molecular Life Sciences, 2020, 77, 4347-4364.	5.4	31
1339	Role of MicroRNAs in Host Defense against Infectious Bursal Disease Virus (IBDV) Infection: A Hidden Front Line. Viruses, 2020, 12, 543.	3.3	17
1340	From Environment to Genome and Back: A Lesson from HFE Mutations. International Journal of Molecular Sciences, 2020, 21, 3505.	4.1	7
1341	Emerging landscape of circular RNAs as biomarkers and pivotal regulators in osteosarcoma. Journal of Cellular Physiology, 2020, 235, 9037-9058.	4.1	36
1342	Highly fluorescent morpholine naphthalimide deoxyuridine nucleotide for the detection of miRNA 24-3P through rolling circle amplification. Analyst, The, 2020, 145, 4777-4781.	3.5	14
1343	Expression of microRNAs in human platelet-poor plasma: analysis of the factors affecting their expression and association with proximal genetic variants. Epigenetics, 2020, 15, 1396-1406.	2.7	1
1344	Kruppel-like factor 4 upregulates matrix metalloproteinase 13 expression in chondrocytes via mRNA stabilization. Cell and Tissue Research, 2020, 382, 307-319.	2.9	4
1345	Differential Regulatory Roles of MicroRNAs in Porcine Intramuscular and Subcutaneous Adipocytes. Journal of Agricultural and Food Chemistry, 2020, 68, 3954-3962.	5.2	20
1346	MicroRNAs in Cancer Treatment-Induced Cardiotoxicity. Cancers, 2020, 12, 704.	3.7	26
1347	SiRNA-directed self-assembled quantum dot biosensor for simultaneous detection of multiple microRNAs at the single-particle level. Biosensors and Bioelectronics, 2020, 157, 112177.	10.1	23
1348	Structural Basis for pri-miRNA Recognition by Drosha. Molecular Cell, 2020, 78, 423-433.e5.	9.7	60
1349	Identification of a Plasma MicroRNA Profile Associated With Venous Thrombosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1392-1399.	2.4	21

#	Article	IF	Citations
1350	The Role of Dynamic miRISC During Neuronal Development. Frontiers in Molecular Biosciences, 2020, 7, 8.	3.5	12
1351	Extracellular Vesicles Involvement in the Modulation of the Glioblastoma Environment. Journal of Oncology, 2020, 2020, 1-8.	1.3	9
1352	MicroRNA-5572 Is a Novel MicroRNA-Regulating SLC30A3 in Sporadic Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2020, 21, 4482.	4.1	8
1353	ETMR: a tumor entity in its infancy. Acta Neuropathologica, 2020, 140, 249-266.	7.7	47
1354	Does Calorie Restriction Modulate Inflammaging via FoxO Transcription Factors?. Nutrients, 2020, 12, 1959.	4.1	6
1355	MAP3K7 and CHD1 Are Novel Mediators of Resistance to Oncolytic Vesicular Stomatitis Virus in Prostate Cancer Cells. Molecular Therapy - Oncolytics, 2020, 17, 496-507.	4.4	6
1356	Circulating miRNAs: A New Opportunity in Bone Fragility. Biomolecules, 2020, 10, 927.	4.0	14
1357	Select amino acids in DGCR8 are essential for the UGU-pri-miRNA interaction and processing. Communications Biology, 2020, 3, 344.	4.4	14
1358	Exosomal miRNAs: novel players in viral infection. Epigenomics, 2020, 12, 353-370.	2.1	58
1359	Opinion: Is gene mapping in wild populations useful for understanding and predicting adaptation to global change?. Global Change Biology, 2020, 26, 2737-2749.	9.5	8
1360	Circulating microRNAs as biomarkers in cancer diagnosis. Life Sciences, 2020, 248, 117473.	4.3	112
1361	Three paralogous clusters of the miR-17~92 family of microRNAs restrain IL-12-mediated immune defense. Cellular and Molecular Immunology, 2021, 18, 1751-1760.	10.5	8
1362	SFPQ is involved in regulating arsenic-induced oxidative stress by interacting with the miRNA-induced silencing complexes. Environmental Pollution, 2020, 261, 114160.	7.5	12
1363	Host microRNAs and exosomes that modulate influenza virus infection. Virus Research, 2020, 279, 197885.	2.2	37
1364	microRNAâ€184 is induced by storeâ€operated calcium entry and regulates early keratinocyte differentiation. Journal of Cellular Physiology, 2020, 235, 6854-6861.	4.1	5
1365	miRNAs as Biomarkers in Disease: Latest Findings Regarding Their Role in Diagnosis and Prognosis. Cells, 2020, 9, 276.	4.1	693
1366	Review—Current Concepts in Inflammatory Skin Diseases Evolved by Transcriptome Analysis: In-Depth Analysis of Atopic Dermatitis and Psoriasis. International Journal of Molecular Sciences, 2020, 21, 699.	4.1	45
1367	The positive feedback loop of RHPN1-AS1/miR-1299/ETS1 accelerates the deterioration of gastric cancer. Biomedicine and Pharmacotherapy, 2020, 124, 109848.	5.6	15

#	Article	IF	CITATIONS
т 1368	Potential Clinical Implications of miR-1 and miR-21 in Heart Disease and Cardioprotection. International	4.1	63
1308	Journal of Molecular Sciences, 2020, 21, 700.	4.1	03
1369	Genetic deletion of microRNA biogenesis in muscle cells reveals a hierarchical non-clustered network that controls focal adhesion signaling during muscle regeneration. Molecular Metabolism, 2020, 36, 100967.	6.5	10
1370	Nutrigenomics and functional food: Implications for cancer prevention and treatment. , 2020, , 359-386.		1
1371	Identification and Characterization of microRNAs in the Developing Seed of Linseed Flax (Linum) Tj ETQq1	1 0.784314 rgBT 4.1	/Overlock 1
1372	Broad spectrum immunomodulatory effects of Anopheles gambiae microRNAs and their use for transgenic suppression of Plasmodium. PLoS Pathogens, 2020, 16, e1008453.	4.7	22
1373	Characterising the Transcriptional and Translational Impact of the Schizophrenia-Associated miR-1271-5p in Neuronal Cells. Cells, 2020, 9, 1014.	4.1	5
1374	microRNA-mediated noise processing in cells: A fight or a game?. Computational and Structural Biotechnology Journal, 2020, 18, 642-649.	4.1	6
1375	Comparative Transcriptome Analysis Reveals New IncRNAs Responding to Salt Stress in Sweet Sorghum. Frontiers in Bioengineering and Biotechnology, 2020, 8, 331.	4.1	46
1376	<p>Long Noncoding RNA NEAT1 Upregulates Survivin and Facilitates Gallbladder Cancer Progression by Sponging microRNA-335</p> . OncoTargets and Therapy, 2020, Volume 13, 2357-2367.	2.0	12
1377	Salt stress tolerance and small RNA. , 2020, , 191-207.		6
1378	Targeting epigenetics in cancer: therapeutic potential of flavonoids. Critical Reviews in Food Science and Nutrition, 2021, 61, 1616-1639.	10.3	38
1379	miR-122-5p Mediates Fluoride-Induced Osteoblast Activation by Targeting CDK4. Biological Trace Element Research, 2021, 199, 1215-1227.	3.5	8
1380	Computational annotation of miRNA transcription start sites. Briefings in Bioinformatics, 2021, 22, 380-392.	6.5	23
1381	Poly(ADP-ribosyl)ation enhances HuR oligomerization and contributes to pro-inflammatory gene mRNA stabilization. Cellular and Molecular Life Sciences, 2021, 78, 1817-1835.	5.4	17
1382	The Yin and Yang function of microRNAs in insulin signalling and cancer. RNA Biology, 2021, 18, 24-32.	3.1	7
1383	A novel rationale for targeting FXI: Insights from the hemostatic microRNA targetome for emerging anticoagulant strategies. , 2021, 218, 107676.		9
1384	MicroRNA-363-3p downregulation in papillary thyroid cancer inhibits tumor progression by targeting NOB1. Journal of Investigative Medicine, 2021, 69, 66-74.	1.6	12
1385	Inorganic Nanomaterialâ€Mediated Gene Therapy in Combination with Other Antitumor Treatment Modalities. Advanced Functional Materials, 2021, 31, 2007096.	14.9	32

	Сп	ration Report	
#	Article	IF	Citations
1386	Association of exosomal microRNAs in human ovarian follicular fluid with oocyte quality. Biochemical and Biophysical Research Communications, 2021, 534, 468-473.	2.1	20
1387	Plasma microRNA signature in presymptomatic and symptomatic subjects with C9orf72-associated frontotemporal dementia and amyotrophic lateral sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 485-493.	1.9	25
1388	Gynecologic cancers and non-coding RNAs: Epigenetic regulators with emerging roles. Critical Reviews in Oncology/Hematology, 2021, 157, 103192.	4.4	85
1389	Role of Kruppel-like factor 4 in atherosclerosis. Clinica Chimica Acta, 2021, 512, 135-141.	1.1	18
1390	Mechanisms of action of metformin and its regulatory effect on microRNAs related to angiogenesis. Pharmacological Research, 2021, 164, 105390.	7.1	24
1391	Integrated Microarray to Identify the Hub miRNAs and Constructed miRNA–mRNA Network in Neuroblastoma Via Bioinformatics Analysis. Neurochemical Research, 2021, 46, 197-212.	3.3	12
1392	Probing the molecular mechanism of aggressive infection by antimony resistant Leishmania donovani. Cytokine, 2021, 145, 155245.	3.2	15
1393	Cross-Kingdom Regulation by Plant microRNAs Provides Novel Insight into Gene Regulation. Advances in Nutrition, 2021, 12, 197-211.	6.4	27
1394	Isolation and analysis methods of extracellular vesicles (EVs). , 2021, 2, 80-103.		32
1395	Epigenetics in kidney diseases. Advances in Clinical Chemistry, 2021, 104, 233-297.	3.7	18
1396	Temporal changes in inflammatory mitochondria-enriched microRNAs following traumatic brain injury and effects of miR-146a nanoparticle delivery. Neural Regeneration Research, 2021, 16, 514.	3.0	20
1397	Characterizing miRNA–lncRNA Interplay. Methods in Molecular Biology, 2021, 2372, 243-262.	0.9	32
1398	The interplay between m6A modification and non-coding RNA in cancer stemness modulation: mechanisms, signaling pathways, and clinical implications. International Journal of Biological Sciences, 2021, 17, 2718-2736.	6.4	22
1399	MicroRNAs in the silkworm-pathogen interactions. Methods in Microbiology, 2021, 49, 97-113.	0.8	3
1400	Viral-Encoded microRNAs in Host-Pathogen Interactions in Silkworm. MicroRNA (Shariqah, United) Tj E	.TQq0 0 0 rgBT/Over 1.2	loçk 10 Tf 50
1401	Emerging roles of microRNAs in the regulation of Toll-like receptor (TLR)-signaling. Frontiers in Bioscience - Landmark, 2021, 26, 771-796.	3.0	20
1402	Harnessing Perks of MiRNA Principles for Betterment of Agriculture and Food Security. , 2021, , 123-19	91.	0
1403	CtIP suppresses primary microRNA maturation and promotes metastasis of colon cancer cells in a xenograft mouse model. Journal of Biological Chemistry, 2021, 296, 100707.	3.4	5

#	Article	IF	CITATIONS
1404	Cross-kingdom regulation by dietary plant miRNAs: an evidence-based review with recent updates. Food and Function, 2021, 12, 9549-9562.	4.6	15
1405	Can microRNA become next-generation tools in molecular diagnostics and therapeutics? A systematic review. Egyptian Journal of Medical Human Genetics, 2021, 22, .	1.0	15
1406	Expression and regulation of ccBAX by miRâ€124 in the caudal fin cell of <i>C.Âauratus gibelio</i> upon cyprinid herpesvirus 2 infection. Journal of Fish Diseases, 2021, 44, 837-845.	1.9	2
1407	Surface-modified hydroxyapatite nanoparticle for microRNA delivery to regulate gene expression in human mandibular osteoblast cells. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	4
1408	Detection of Increased Serum miR-122-5p and miR-455-3p Levels Before the Clinical Diagnosis of Liver Cancer in People With Type 2 Diabetes. SSRN Electronic Journal, 0, , .	0.4	0
1409	The influence of lifestyle factors on miRNA expression and signal pathways: a review. Epigenomics, 2021, 13, 145-164.	2.1	20
1410	RNA MicroRNAs in Eukaryotes. , 2021, , 587-593.		2
1411	Epigenetics of Alzheimer's Disease. Biomolecules, 2021, 11, 195.	4.0	74
1412	Triptolide Attenuates Vascular Calcification by Upregulating Expression of miRNA-204. Frontiers in Pharmacology, 2020, 11, 581230.	3.5	4
1413	MicroRNAâ \in 1 affects the development of the neural crest and craniofacial skeleton via the mitochondrial apoptosis pathway. Experimental and Therapeutic Medicine, 2021, 21, 379.	1.8	5
1414	miRNA: local guardians of presynaptic function in plasticity and disease. RNA Biology, 2021, 18, 1014-1024.	3.1	10
1415	Conservation and turnover of miRNAs and their highly complementary targets in early branching animals. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20203169.	2.6	9
1416	Upregulation of Linc-ROR Promotes the Proliferation, Migration, and Invasion of Gastric Cancer Cells Through miR-212-3p/FGF7 Axis. Cancer Management and Research, 2021, Volume 13, 899-912.	1.9	7
1417	Downregulation of hsa_circ_0006220 and its correlation with clinicopathological factors in human breast cancer. Gland Surgery, 2021, 10, 816-825.	1.1	7
1418	MicroRNAs as Next Generation Therapeutics in Osteoporosis. , 0, , .		1
1419	The role of miR-27b-3p/HOXA10 axis in the pathogenesis of endometriosis. Annals of Palliative Medicine, 2021, 10, 3162-3170.	1.2	6
1420	Combined De-Repression of Chemoresistance Associated Mitogen-Activated Protein Kinase 14 and Activating Transcription Factor 2 by Loss of microRNA-622 in Hepatocellular Carcinoma. Cancers, 2021, 13, 1183.	3.7	3
1422	The Potential Role of miRNAs as Predictive Biomarkers in Neurodevelopmental Disorders. Journal of Molecular Neuroscience, 2021, 71, 1338-1355.	2.3	7

#	Article	IF	CITATIONS
1424	microRNAs as Novel Therapeutics in Cancer. Cancers, 2021, 13, 1526.	3.7	25
1425	Non-Coding RNAs in Hereditary Kidney Disorders. International Journal of Molecular Sciences, 2021, 22, 3014.	4.1	9
1426	Sex-specific effects of social defeat stress on miRNA expression in the anterior BNST. Behavioural Brain Research, 2021, 401, 113084.	2.2	13
1427	Fluoropolymerâ€Mediated Intracellular Delivery of miRâ€23b for the Osteocyte Differentiation in Osteoblasts. Macromolecular Bioscience, 2021, 21, e2100024.	4.1	3
1428	Small Non-Coding-RNA in Gynecological Malignancies. Cancers, 2021, 13, 1085.	3.7	20
1429	Effect of forkhead box O1 in renal tubular epithelial cells on endotoxin-induced acute kidney injury. American Journal of Physiology - Renal Physiology, 2021, 320, F262-F272.	2.7	10
1430	The role of miRNA in plant–virus interaction: a review. Molecular Biology Reports, 2021, 48, 2853-2861.	2.3	24
1431	miR-199a-3p inhibits proliferation of rat basilar artery smooth muscle cells by targeting mTOR. Minerva Biotechnology and Biomolecular Research, 2021, 33, .	0.5	0
1432	Identification and Characterization of Osmoregulation Related MicroRNAs in Gills of Hybrid Tilapia Under Three Types of Osmotic Stress. Frontiers in Genetics, 2021, 12, 526277.	2.3	2
1433	Histone Modifier Differentially Regulates Gene Expression and Unravels Survival Role of MicroRNA-494 in Jurkat Leukemia. MicroRNA (Shariqah, United Arab Emirates), 2021, 10, 39-50.	1.2	2
1434	Exogenous miRNA: A Perspective Role as Therapeutic in Rheumatoid Arthritis. Current Rheumatology Reports, 2021, 23, 43.	4.7	13
1435	Light-stabilized FHA2 suppresses miRNA biogenesis through interactions with DCL1 and HYL1. Molecular Plant, 2021, 14, 647-663.	8.3	26
1437	Impact of RARÎ \pm and miR-138 on retinoblastoma etoposide resistance. Tumor Biology, 2021, 43, 11-26.	1.8	3
1438	MicroRNAs in childhood nephrotic syndrome. Journal of Cellular Physiology, 2021, 236, 7186-7210.	4.1	2
1440	GW182 Proteins Restrict Extracellular Vesicle-Mediated Export of MicroRNAs in Mammalian Cancer Cells. Molecular and Cellular Biology, 2021, 41, .	2.3	10
1442	The role of microRNAs in cell death pathways. Yeungnam University Journal of Medicine, 2021, 38, 107-117.	1.4	14
1443	Ultrathin 2D Copper(I) 1,2,4â€Triazolate Coordination Polymer Nanosheets for Efficient and Selective Gene Silencing and Photodynamic Therapy. Advanced Materials, 2021, 33, e2100849.	21.0	38
1444	Plasma miRNA Biomarkers in Limited Volume Samples for Detection of Early-stage Pancreatic Cancer. Cancer Prevention Research, 2021, 14, 729-740.	1.5	16

#	Article	IF	CITATIONS
1445	Cell-type-specific profiling of loaded miRNAs from Caenorhabditis elegans reveals spatial and temporal flexibility in Argonaute loading. Nature Communications, 2021, 12, 2194.	12.8	32
1446	Targeting microRNAs by curcumin: implication for cancer therapy. Critical Reviews in Food Science and Nutrition, 2022, 62, 7718-7729.	10.3	6
1447	Intrinsic Electrical Remodeling Underlies Atrioventricular Block in Athletes. Circulation Research, 2021, 129, e1-e20.	4.5	23
1448	MicroRNAs in Metastasis and the Tumour Microenvironment. International Journal of Molecular Sciences, 2021, 22, 4859.	4.1	10
1449	Physiological Fitness and the Pathophysiology of Chronic Lymphocytic Leukemia (CLL). Cells, 2021, 10, 1165.	4.1	7
1450	MiR-378b Modulates Chlamydia-Induced Upper Genital Tract Pathology. Pathogens, 2021, 10, 566.	2.8	5
1451	miRTargetLink 2.0—interactive miRNA target gene and target pathway networks. Nucleic Acids Research, 2021, 49, W409-W416.	14.5	74
1452	SPMLMI: predicting lncRNA–miRNA interactions in humans using a structural perturbation method. PeerJ, 2021, 9, e11426.	2.0	5
1453	ĐœĐ,ĐºÑ€Đ¾ĐĐĐš Đ² Đ¾Đ½ĐºĐ¾Đ»Đ¾Đ³Đ,Đ,: Đ¾Ñ, Đ¼ĐµÑĐºĐ½Đ,Đ·Đ¼Đ¾Đ² Ñ€ĐµĐ³ÑƒĐ»ÑцĐ,Đ	, ÑDÐÐŨZ	Ĩ€ÐµÑÑÐ,Ð,
1454	MiR-524 suppressed the progression of oral squamous cell carcinoma by suppressing Metadherin and NF-κB signaling pathway in OSCC cell lines. Archives of Oral Biology, 2021, 125, 105090.	1.8	3
1455	Cutaneous microRNA expression in healthy Labrador and Golden retrievers and retrievers with allergic and inflammatory skin diseases. Veterinary Dermatology, 2021, 32, 331.	1.2	4
1456	miR-9-5p promotes wear-particle-induced osteoclastogenesis through activation of the SIRT1/NF-κB pathway. 3 Biotech, 2021, 11, 258.	2.2	2
1457	Identifying miRNAs in multiple sclerosis gray matter lesions that correlate with atrophy measures. Annals of Clinical and Translational Neurology, 2021, 8, 1279-1291.	3.7	12
1458	A Highly Predictive MicroRNA Panel for Determining Delayed Cerebral Vasospasm Risk Following Aneurysmal Subarachnoid Hemorrhage. Frontiers in Molecular Biosciences, 2021, 8, 657258.	3.5	7
1459	Epigenetic Contribution and Genomic Imprinting Dlk1-Dio3 miRNAs in Systemic Lupus Erythematosus. Genes, 2021, 12, 680.	2.4	11
1460	Identification of novel targets of miR-622 in hepatocellular carcinoma reveals common regulation of cooperating genes and outlines the oncogenic role of zinc finger CCHC-type containing 11. Neoplasia, 2021, 23, 502-514.	5.3	5

1461	Application of microRNA in Human Osteoporosis and Fragility Fracture: A Systemic Review of Literatures. International Journal of Molecular Sciences, 2021, 22, 5232.	4.1	5

1462Comprehensive machine-learning-based analysis of microRNAâ€"target interactions reveals variable
transferability of interaction rules across species. BMC Bioinformatics, 2021, 22, 264.2.66

#	Article	IF	CITATIONS
1463	MicroRNA-99a-5p suppresses cell proliferation, migration, and invasion by targeting isoprenylcysteine carboxylmethyltransferase in oral squamous cell carcinoma. Journal of International Medical Research, 2021, 49, 030006052093903.	1.0	15
1464	One vectorâ€based method to verify predicted plant miRNAs, target sequences, and function modes. Biotechnology and Bioengineering, 2021, 118, 3105-3116.	3.3	1
1465	MiR-17–92 Cluster-Enriched Exosomes Derived from Human Bone Marrow Mesenchymal Stromal Cells Improve Tissue and Functional Recovery in Rats after Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 1535-1550.	3.4	38
1466	The Role of microRNAs and Long Non-Coding RNAs in the Regulation of the Immune Response to Mycobacterium tuberculosis Infection. Frontiers in Immunology, 2021, 12, 687962.	4.8	30
1467	Molecular Mechanisms of miR-1271 Dysregulation in Human Cancer. DNA and Cell Biology, 2021, 40, 740-747.	1.9	1
1468	The MicroRNA Family Gets Wider: The IsomiRs Classification and Role. Frontiers in Cell and Developmental Biology, 2021, 9, 668648.	3.7	52
1469	Celecoxib ameliorates diabetic neuropathy by decreasing apoptosis and oxidative stress in dorsal root ganglion neurons via the miR‑155/COX‑2 axis. Experimental and Therapeutic Medicine, 2021, 22, 825.	1.8	9
1470	MicroRNAs in Cancer: From Gene Expression Regulation to the Metastatic Niche Reprogramming. Biochemistry (Moscow), 2021, 86, 785-799.	1.5	21
1471	Circular RNA Circ_0013958 Functions as a Tumor Promoter in Ovarian Cancer by Regulating miR-637/PLXNB2 Axis. Frontiers in Genetics, 2021, 12, 644451.	2.3	10
1472	High Throughput miRNA Screening Identifies miR-574-3p Hyperproductive Effect in CHO Cells. Biomolecules, 2021, 11, 1125.	4.0	2
1473	Epigenetic Reprogramming of Tumor-Associated Fibroblasts in Lung Cancer: Therapeutic Opportunities. Cancers, 2021, 13, 3782.	3.7	4
1474	Posttranscriptional Regulation of the Human ABCG2 Multidrug Transporter Protein by Artificial Mirtrons. Genes, 2021, 12, 1068.	2.4	2
1475	Roles of MicroRNAs in Glucose and Lipid Metabolism in the Heart. Frontiers in Cardiovascular Medicine, 2021, 8, 716213.	2.4	8
1476	Identification of miRNA signatures and their therapeutic potentials in prostate cancer. Molecular Biology Reports, 2021, 48, 5531-5539.	2.3	8
1477	Computational Detection of MicroRNA Targets. Methods in Molecular Biology, 2022, 2257, 187-209.	0.9	5
1478	A General Overview of Sweet Sorghum Genomics. , 0, , .		1
1479	Regulation of MicroRNAs. Methods in Molecular Biology, 2022, 2257, 1-32.	0.9	20
1480	Hippocampal miR-211-5p regulates neurogenesis and depression-like behaviors in the rat. Neuropharmacology, 2021, 194, 108618.	4.1	12

#	Article	IF	Citations
1481	Increased expression of fragmented tRNA promoted neuronal necrosis. Cell Death and Disease, 2021, 12, 823.	6.3	7
1482	Endogenous miRNA Sponges. Methods in Molecular Biology, 2022, 2257, 91-104.	0.9	44
1483	Noncoding RNAs involved in the STAT3 pathway in glioma. Cancer Cell International, 2021, 21, 445.	4.1	17
1485	Microglia-Derived Small Extracellular Vesicles Reduce Glioma Growth by Modifying Tumor Cell Metabolism and Enhancing Glutamate Clearance through miR-124. Cells, 2021, 10, 2066.	4.1	25
1486	Apoptosis-promoting properties of miR-3074-5p in MC3T3-E1Âcells under iron overload conditions. Cellular and Molecular Biology Letters, 2021, 26, 37.	7.0	16
1487	Subanesthetic ketamine rapidly alters medial prefrontal miRNAs involved in ubiquitin-mediated proteolysis. PLoS ONE, 2021, 16, e0256390.	2.5	4
1488	miR-204: Molecular Regulation and Role in Cardiovascular and Renal Diseases. Hypertension, 2021, 78, 270-281.	2.7	13
1489	MicroRNAs as Potential Biomarkers in Pituitary Adenomas. Non-coding RNA, 2021, 7, 55.	2.6	5
1490	microRNA-132 as a negative regulator in NF-κB signaling pathway via targeting IL-1β in miiuy croaker. Developmental and Comparative Immunology, 2021, 122, 104113.	2.3	10
1491	Computational approaches to decipher miRNA-target association in Mango (Mangifera indica L.). Plant Gene, 2021, 27, 100292.	2.3	2
1492	RNAi-based immunity in insects against baculoviruses and the strategies of baculoviruses involved in siRNA and miRNA pathways to weaken the defense. Developmental and Comparative Immunology, 2021, 122, 104116.	2.3	9
1493	Decoding the complexity of circular RNAs in cardiovascular disease. Pharmacological Research, 2021, 171, 105766.	7.1	9
1494	Nuclear and Mitochondrial Genome, Epigenome and Gut Microbiome: Emerging Molecular Biomarkers for Parkinson's Disease. International Journal of Molecular Sciences, 2021, 22, 9839.	4.1	7
1495	LentiRILES, a miRNA-ON sensor system for monitoring the functionality of miRNA in cancer biology and therapy. RNA Biology, 2021, 18, 198-214.	3.1	4
1496	p38 MAPKâ€mediated loss of nuclear RNase III enzyme Drosha underlies amyloid betaâ€induced neuronal stress in Alzheimer's disease. Aging Cell, 2021, 20, e13434.	6.7	14
1497	Landscape of functional interactions of human processive ribonucleases revealed by high-throughput siRNA screenings. IScience, 2021, 24, 103036.	4.1	6
1498	RNA Interference and CRISPR/Cas Gene Editing for Crop Improvement: Paradigm Shift towards Sustainable Agriculture. Plants, 2021, 10, 1914.	3.5	17
1499	MiR-375-3p mediates reduced pineal function in hypoxia-ischemia brain damage. Experimental Neurology, 2021, 344, 113814.	4.1	4

#	Article	IF	CITATIONS
1500	Regulatory interplay between microRNAs and WNT pathway in glioma. Biomedicine and Pharmacotherapy, 2021, 143, 112187.	5.6	17
1501	microRNA-148 is involved in NF-κB signaling pathway regulation after LPS stimulation by targeting IL-1β in miiuy croaker. Fish and Shellfish Immunology, 2021, 118, 66-71.	3.6	5
1502	Insights into oxidative stress in bone tissue and novel challenges for biomaterials. Materials Science and Engineering C, 2021, 130, 112433.	7.3	43
1503	MicroRNA-21 is involved in oocyte maturation, blastocyst formation, and pre-implantation embryo development. Developmental Biology, 2021, 480, 69-77.	2.0	19
1504	Genome-wide association analysis of fiber fineness and yield in ramie (Boehmeria nivea) using SLAF-seq. Euphytica, 2021, 217, 1.	1.2	3
1505	Regulation of sleep in Drosophila melanogaster. Advances in Insect Physiology, 2021, , 119-168.	2.7	0
1506	Expression of miRNA-203 and its target gene in hair follicle cycle development of Cashmere goat. Cell Cycle, 2021, 20, 204-210.	2.6	16
1507	Next-Generation Sequencing in Cancer Epigenomics and Potential Clinical Applications. , 2013, , 31-53.		2
1508	MicroRNA Cancer Therapeutics and the Challenge of Drug Delivery. , 2014, , 349-358.		2
1509	MicroRNA Methodology: Advances in miRNA Technologies. Methods in Molecular Biology, 2014, 1169, 121-130.	0.9	13
1510	Antisense Oligonucleotide-Based Therapies for Diseases Caused by pre-mRNA Processing Defects. Advances in Experimental Medicine and Biology, 2014, 825, 303-352.	1.6	60
1511	Isolation of Mitochondria from Liver and Extraction of Total RNA and Protein: Analyses of MicroRNA and Protein Expressions. Methods in Molecular Biology, 2015, 1241, 9-22.	0.9	8
1512	Link of Zygotic Genome Activation and Cell Cycle Control. Methods in Molecular Biology, 2017, 1605, 11-30.	0.9	16
1513	A Reporter Assay to Detect Transfer and Targeting of miRNAs in Stem Cell-Breast Cancer Co-cultures. Methods in Molecular Biology, 2012, 879, 195-201.	0.9	2
1514	Gene Reporter Assay to Validate MicroRNA Targets in Drosophila S2 Cells. Methods in Molecular Biology, 2014, 1107, 233-242.	0.9	3
1515	Analysis of Paired miRNA-mRNA Microarray Expression Data Using a Stepwise Multiple Linear Regression Model. Lecture Notes in Computer Science, 2017, , 59-70.	1.3	1
1516	MitomiRs in Human Inflamm-aging. , 2019, , 1681-1708.		1
1517	Renaissance of the Regulatory RNAs. , 2012, , 3-22.		1

#	Article	IF	CITATIONS
1518	Interactions Among Regulatory Non-coding RNAs Involved in Cardiovascular Diseases. Advances in Experimental Medicine and Biology, 2020, 1229, 79-104.	1.6	9
1519	Epigenetics in Multiple Sclerosis. Advances in Experimental Medicine and Biology, 2020, 1253, 309-374.	1.6	13
1520	Non-coding RNAs: ever-expanding diversity of types and functions. , 2020, , 5-57.		12
1521	MicroRNAs as sentinels and protagonists of carotid artery thromboembolism. Clinical Science, 2020, 134, 169-192.	4.3	15
1522	Circulating microRNA in Heart Failure - Practical Guidebook to Clinical Application. Cardiology in Review, 2020, Publish Ahead of Print, 16-23.	1.4	6
1528	Expanded identification and characterization of mammalian circular RNAs. Genome Biology, 2014, 15, 409.	9.6	11
1530	Novel targets of miR-30, a microRNA required for biliary development. F1000Research, 2013, 2, 197.	1.6	8
1531	Post-transcriptional regulation of early embryogenesis. F1000prime Reports, 2015, 7, 31.	5.9	11
1532	Control of Gene Expression by RNA Binding Protein Action on Alternative Translation Initiation Sites. PLoS Computational Biology, 2016, 12, e1005198.	3.2	7
1533	Regulation of hepatic microRNAs in response to early stage Echinococcus multilocularis egg infection in C57BL/6 mice. PLoS Neglected Tropical Diseases, 2020, 14, e0007640.	3.0	12
1534	Circulating microtranscriptome profiles reveal distinct expression of microRNAs in severe leptospirosis. PLoS Neglected Tropical Diseases, 2020, 14, e0008809.	3.0	2
1535	MicroRNA159 Can Act as a Switch or Tuning MicroRNA Independently of Its Abundance in Arabidopsis. PLoS ONE, 2012, 7, e34751.	2.5	45
1536	MiR-200c Regulates Noxa Expression and Sensitivity to Proteasomal Inhibitors. PLoS ONE, 2012, 7, e36490.	2.5	25
1537	Global Analysis of the Small RNA Transcriptome in Different Ploidies and Genomic Combinations of a Vertebrate Complex – The Squalius alburnoides. PLoS ONE, 2012, 7, e41158.	2.5	19
1538	MicroRNA Regulation of the Synaptic Plasticity-Related Gene Arc. PLoS ONE, 2012, 7, e41688.	2.5	84
1539	Comprehensive Exploration of the Effects of miRNA SNPs on Monocyte Gene Expression. PLoS ONE, 2012, 7, e45863.	2.5	8
1540	Systematic Analysis of microRNA Targeting Impacted by Small Insertions and Deletions in Human Genome. PLoS ONE, 2012, 7, e46176.	2.5	18
1541	Identifying Conserved and Novel MicroRNAs in Developing Seeds of Brassica napus Using Deep Sequencing. PLoS ONE, 2012, 7, e50663.	2.5	61

#	Article	IF	CITATIONS
1542	A Versatile Method to Design Stem-Loop Primer-Based Quantitative PCR Assays for Detecting Small Regulatory RNA Molecules. PLoS ONE, 2013, 8, e55168.	2.5	96
1543	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
1544	miRNA Expression Profile Analysis in Kidney of Different Porcine Breeds. PLoS ONE, 2013, 8, e55402.	2.5	23
1545	microRNA-122 Dependent Binding of Ago2 Protein to Hepatitis C Virus RNA Is Associated with Enhanced RNA Stability and Translation Stimulation. PLoS ONE, 2013, 8, e56272.	2.5	76
1546	MicroRNAs Distinguish Cytogenetic Subgroups in Pediatric AML and Contribute to Complex Regulatory Networks in AML-Relevant Pathways. PLoS ONE, 2013, 8, e56334.	2.5	33
1547	Differentially Expressed Genes in the Pre-Eclamptic Placenta: A Systematic Review and Meta-Analysis. PLoS ONE, 2013, 8, e68991.	2.5	87
1548	HPat a Decapping Activator Interacting with the miRNA Effector Complex. PLoS ONE, 2013, 8, e71860.	2.5	12
1549	Intrinsic Noise of microRNA-Regulated Genes and the ceRNA Hypothesis. PLoS ONE, 2013, 8, e72676.	2.5	32
1550	Mapping the Small RNA Content of Simian Immunodeficiency Virions (SIV). PLoS ONE, 2013, 8, e75063.	2.5	8
1551	Downregulation of MicroRNA-9 in iPSC-Derived Neurons of FTD/ALS Patients with TDP-43 Mutations. PLoS ONE, 2013, 8, e76055.	2.5	117
1552	Structural Analysis of microRNA-Target Interaction by Sequential Seed Mutagenesis and Stem-Loop 3' RACE. PLoS ONE, 2013, 8, e81427.	2.5	5
1553	Integration of miRNA and Protein Profiling Reveals Coordinated Neuroadaptations in the Alcohol-Dependent Mouse Brain. PLoS ONE, 2013, 8, e82565.	2.5	39
1554	Multiple Tumor Suppressor microRNAs Regulate Telomerase and TCF7, an Important Transcriptional Regulator of the Wnt Pathway. PLoS ONE, 2014, 9, e86990.	2.5	64
1555	Impact of Tumour Epithelial Subtype on Circulating microRNAs in Breast Cancer Patients. PLoS ONE, 2014, 9, e90605.	2.5	14
1556	Identification of MicroRNAs in the Coral Stylophora pistillata. PLoS ONE, 2014, 9, e91101.	2.5	49
1557	Adaptive Expression of MicroRNA-125a in Adipose Tissue in Response to Obesity in Mice and Men. PLoS ONE, 2014, 9, e91375.	2.5	21
1558	Quantitative Proteomic Analysis of Gene Regulation by miR-34a and miR-34c. PLoS ONE, 2014, 9, e92166.	2.5	25
1559	A Polymorphism rs12325489C>T in the LincRNA-ENST00000515084 Exon Was Found to Modulate Breast Cancer Risk via GWAS-Based Association Analyses. PLoS ONE, 2014, 9, e98251.	2.5	36

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#	Article	IF	CITATIONS
1560	ldentification of Endogenous Reference Genes for the Analysis of microRNA Expression in the Hippocampus of the Pilocarpine-Induced Model of Mesial Temporal Lobe Epilepsy. PLoS ONE, 2014, 9, e100529.	2.5	9
1561	Circulating Level of miR-378 Predicts Left Ventricular Hypertrophy in Patients with Aortic Stenosis. PLoS ONE, 2014, 9, e105702.	2.5	26
1562	Profiling of MicroRNAs Involved in Retinal Degeneration Caused by Selective Müller Cell Ablation. PLoS ONE, 2015, 10, e0118949.	2.5	31
1563	Circulating MicroRNAs Characterizing Patients with Insufficient Coronary Collateral Artery Function. PLoS ONE, 2015, 10, e0137035.	2.5	21
1564	Functional Characterization of a Single Nucleotide Polymorphism in the 3' Untranslated Region of Sheep DLX3 Gene. PLoS ONE, 2015, 10, e0137135.	2.5	5
1565	Genome-Wide Identification of MicroRNAs in Leaves and the Developing Head of Four Durum Genotypes during Water Deficit Stress. PLoS ONE, 2015, 10, e0142799.	2.5	43
1566	MiR-1303 Regulates Mycobacteria Induced Autophagy by Targeting Atg2B. PLoS ONE, 2016, 11, e0146770.	2.5	20
1567	CPEB and miR-15/16 Co-Regulate Translation of Cyclin E1 mRNA during Xenopus Oocyte Maturation. PLoS ONE, 2016, 11, e0146792.	2.5	11
1568	miRNA Repertoires of Demosponges Stylissa carteri and Xestospongia testudinaria. PLoS ONE, 2016, 11, e0149080.	2.5	12
1569	Degradation Parameters from Pulse-Chase Experiments. PLoS ONE, 2016, 11, e0155028.	2.5	8
1570	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
1571	CSmiRTar: Condition-Specific microRNA targets database. PLoS ONE, 2017, 12, e0181231.	2.5	21
1572	Distinct fitness costs associated with the knockdown of RNAi pathway genes in western corn rootworm adults. PLoS ONE, 2017, 12, e0190208.	2.5	12
1573	MicroRNA 26a (miR-26a)/KLF4 and CREB-C/EBPÎ ² regulate innate immune signaling, the polarization of macrophages and the trafficking of Mycobacterium tuberculosis to lysosomes during infection. PLoS Pathogens, 2017, 13, e1006410.	4.7	128
1574	Roles of microRNAs as non-invasive biomarker and therapeutic target in colorectal cancer. Histology and Histopathology, 2020, 35, 225-237.	0.7	9
1575	Micromanaging Glucose Tolerance and Diabetes. Advanced Pharmaceutical Bulletin, 2017, 7, 547-556.	1.4	15
1576	A brief review of microRNA and its role in PRRSV infection and replication. Frontiers of Agricultural Science and Engineering, 2014, 1, 114.	1.4	1
1577	The obstacles to current extracellular vesicle-mediated drug delivery research. Journal of Pharmacy & Pharmaceutics, 2017, 4, 156-158.	0.3	4

#	Article	IF	CITATIONS
1578	An intestinal microRNA modulates the homeostatic adaptation to chronic oxidative stress in C. elegans. Aging, 2016, 8, 1979-2005.	3.1	29
1579	Tumor-suppressive miR-3650 inhibits tumor metastasis by directly targeting NFASC in hepatocellular carcinoma. Aging, 2019, 11, 3432-3444.	3.1	16
1580	Curcumin suppresses osteogenesis by inducing miR-126a-3p and subsequently suppressing the WNT/LRP6 pathway. Aging, 2019, 11, 6983-6998.	3.1	19
1581	Hypoxia-induced let-7f-5p/TARBP2 feedback loop regulates osteosarcoma cell proliferation and invasion by inhibiting the Wnt signaling pathway. Aging, 2020, 12, 6891-6903.	3.1	18
1582	The role of miR-17-92 in the miRegulatory landscape of Ewing sarcoma. Oncotarget, 2017, 8, 10980-10993.	1.8	13
1583	A three-step approach identifies novel shear stress-sensitive endothelial microRNAs involved in vasculoprotective effects of high-intensity interval training (HIIT). Oncotarget, 2019, 10, 3625-3640.	1.8	14
1584	Late-phase miRNA-controlled oncolytic adenovirus for selective killing of cancer cells. Oncotarget, 2015, 6, 6179-6190.	1.8	16
1585	miR-200c dampens cancer cell migration via regulation of protein kinase a subunits. Oncotarget, 2015, 6, 23874-23889.	1.8	22
1586	miRNA interventions serve as â€~magic bullets' in the reversal of glioblastoma hallmarks. Oncotarget, 2015, 6, 38628-38642.	1.8	38
1587	MicroRNA-497 inhibits tumor growth and increases chemosensitivity to 5-fluorouracil treatment by targeting KSR1. Oncotarget, 2016, 7, 2660-2671.	1.8	45
1588	Hsa-miR-329 exerts tumor suppressor function through down-regulation of <i>MET</i> in non-small cell lung cancer. Oncotarget, 2016, 7, 21510-21526.	1.8	66
1589	Integrative transcriptome analysis identifies deregulated microRNA-transcription factor networks in lung adenocarcinoma. Oncotarget, 2016, 7, 28920-28934.	1.8	49
1590	Prospective evidence of a circulating microRNA signature as a non-invasive marker of hepatocellular carcinoma in HBV patients. Oncotarget, 2016, .	1.8	8
1591	Analysis of clock gene-miRNA correlation networks reveals candidate drivers in colorectal cancer. Oncotarget, 2016, 7, 45444-45461.	1.8	25
1592	Beyond the Protein-Coding Sequence: Noncoding RNAs in the Pathogenesis of Type 2 Diabetes. Review of Diabetic Studies, 2015, 12, 260-276.	1.3	9
1593	Nutritional genomics, inflammation and obesity. Archives of Endocrinology and Metabolism, 2020, 64, 205-222.	0.6	16
1594	MicroRNAs in Atrial Fibrillation. Current Medicinal Chemistry, 2019, 26, 855-863.	2.4	18
1595	Role of Regulatory Oncogenic or Tumor Suppressor miRNAs of PI3K/AKT Signaling Axis in the Pathogenesis of Colorectal Cancer. Current Pharmaceutical Design, 2019, 24, 4605-4610.	1.9	28

#	Article	IF	CITATIONS
1596	Signaling of MiRNAs-FOXM1 in Cancer and Potential Targeted Therapy. Current Drug Targets, 2013, 14, 1192-1202.	2.1	21
1597	Pluripotent Stem Cell-Derived Somatic Stem Cells as Tool to Study the Role of MicroRNAs in Early Human Neural Development. Current Molecular Medicine, 2013, 13, 707-722.	1.3	34
1598	MicroRNAs: Newcomers into the ALS Picture. CNS and Neurological Disorders - Drug Targets, 2015, 14, 194-207.	1.4	35
1599	AGO unchained Canonical and non-canonical roles of Argonaute proteins in mammals. Frontiers in Bioscience - Landmark, 2020, 25, 1-42.	3.0	11
1600	MicroRNAs in the kidney: novel biomarkers of acute kidney injury. Nefrologia, 2013, 33, 826-34.	0.4	35
1601	PVT1 Long Non-coding RNA in Gastrointestinal Cancer. Frontiers in Oncology, 2020, 10, 38.	2.8	43
1602	isomiRs–Hidden Soldiers in the miRNA Regulatory Army, and How to Find Them?. Biomolecules, 2021, 11, 41.	4.0	13
1603	The Role of microRNAs in Epithelial Ovarian Cancer Metastasis. International Journal of Molecular Sciences, 2020, 21, 7093.	4.1	29
1604	MicroRNA-1290 promotes esophageal squamous cell carcinoma cell proliferation and metastasis. World Journal of Gastroenterology, 2015, 21, 3245-3255.	3.3	46
1605	MicroRNAs in liver fibrosis: Focusing on the interaction with hedgehog signaling. World Journal of Gastroenterology, 2016, 22, 6652.	3.3	31
1606	MicroRNA‑339‑5p inhibits cell proliferation of acute myeloid leukaemia by directly targeting SOX4. Molecular Medicine Reports, 2018, 18, 5261-5269.	2.4	6
1607	Small RNA profiles of HTLV‴1 asymptomatic carriers with monoclonal and polyclonal rearrangement of the T‑cell antigen receptor γ‑chain using massively parallel sequencing: A pilot study. Oncology Letters, 2020, 20, 2311-2321.	1.8	11
1608	Effect of let‑7c on the PI3K/Akt/FoxO signaling pathway in hepatocellular carcinoma. Oncology Letters, 2020, 21, 96.	1.8	24
1609	IL-10 Inhibits LPS-Induced Expression of miR-147 in Murine Macrophages. Advances in Biological Chemistry, 2014, 04, 261-273.	0.6	8
1610	Differential expression of microRNAs in the saliva of patients with aggressive periodontitis: a pilot study of potential biomarkers for aggressive periodontitis. Journal of Periodontal and Implant Science, 2020, 50, 281.	2.0	5
1611	Diagnostic value of microRNAs in prostate cancer patients with prostate specific antigen (PSA) levels between 2, and 10 ng/mL. Turkish Journal of Urology, 2016, 42, 247-255.	1.3	10
1612	Dysregulation of micro-RNA contributes to the risk of unexplained recurrent pregnancy loss. International Journal of Reproduction, Contraception, Obstetrics and Gynecology, 0, , 330-335.	0.1	6
1613	MicroRNA-directed cleavage of targets: mechanism and experimental approaches. BMB Reports, 2014, 47, 417-423.	2.4	74

ARTICLE IF CITATIONS # Differential gene expression revealed by transcriptomic analyses of male germ cells. Journal of Animal 1.0 2 1614 Genetics, 2014, 42, 91-99. Cotranslational microRNA mediated messenger RNA destabilization. ELife, 2016, 5, . 6.0 38 Changes in mRNA abundance drive shuttling of RNA binding proteins, linking cytoplasmic RNA 1616 6.0 85 degradation to transcription. ELife, 2018, 7, . Music-performance regulates microRNAs in professional musicians. PeerJ, 2019, 7, e6660. Evidence of transfer of miRNAs from the diet to the blood still inconclusive. PeerJ, 2020, 8, e9567. 1618 2.0 26 The Drosophila Microrna Bantam Regulates Excitability in Adult Mushroom Body Output Neurons to Promote Early Night Sleep. SSRN Electronic Journal, 0, , . 1619 0.4 Extracellular Vesicles in Acute Leukemia: A Mesmerizing Journey With a Focus on Transferred 1620 3.7 6 microRNAs. Frontiers in Cell and Developmental Biology, 2021, 9, 766371. Endogenous miRNA-Activated DNA Nanomachine for Intracellular miRNA Imaging and Gene Silencing. 6.5 Analytical Chemistry, 2021, 93, 13919-13927. DGUOK-AS1 acts as a tumor promoter through regulating miR-204-5p/IL-11 axis in breast cancer. 1622 5.1 12 Molecular Therapy - Nucleic Acids, 2021, 26, 1079-1091. Attenuation of apoptotic cell detection triggers thymic regeneration after damage. Cell Reports, 2021, 6.4 37, 109789 Competitive Endogenous Role of the LINC00511/miR-185-3p Axis and miR-301a-3p From Liquid Biopsy as 1624 2.8 20 Molecular Markers for Breast Cancer Diagnosis. Frontiers in Oncology, 2021, 11, 749753. Developmental Acquisition of p53 Functions. Genes, 2021, 12, 1675. 2.4 Laboratory biomarkers of Multiple Sclerosis (MS). Clinical Biochemistry, 2022, 99, 1-8. 1626 1.9 10 The Role of Circulating MicroRNAs in Patients with Early-Stage Pancreatic Adenocarcinoma. 1627 3.2 Biomedicines, 2021, 9, 1468. Renaissance of the Regulatory RNAs., 2012, , 3-22. 0 1629 Diversity, Overlap, and Relationships in the Small RNA Landscape., 2012, , 23-48. microRNAs in Human Diseases and Viral Infections., 2012, 525-551. 1631 0 Altering microRNA miR15a/16 Levels as Potential Therapy in CLL: Extrapolating from the De Novo NZB Mouse Model., 0, , .

		CITATION RE	PORT	
#	Article		IF	Citations
1633	New Targets for Therapy in Pancreatic Cancer. , 0, , .			0
1634	- MicroRNAs in the Pathogenesis and Therapy of Atherosclerotic Vascular Disease. , 20	12, , 357-380.		0
1635	Prospective: How the Zebra Finch Genome Strengthens Brain-Behavior Connections in Models of Learned Vocalization. , 2013, , 89-108.	Songbird		0
1636	MicroRNAs and Tissue Response to Acute Ischemia. Contributions To Statistics, 2013,	, 97-112.	0.2	0
1637	Gene. , 2014, , 5-61.			0
1638	MicroRNAs in Obesity and Metabolism. , 2014, , 129-152.			0
1639	miRNA-Based Ovarian Cancer Diagnosis and Therapy. , 2014, , 115-127.			1
1640	Regulation of Renal Glutamine Metabolism During Metabolic Acidosis. , 2014, , 101-12	1.		0
1641	Molecular basis of reprogramming: Modulation by microRNAs. Biomedical Research Jou 108.	ırnal, 2014, 1,	0.5	0
1642	Comprehensive Analysis of MicroRNA and mRNA Expression in Normal and Tumorous H Esophageal Squamous Cell Lines Using Microarray Datasets. Dataset Papers in Science		1.0	1
1643	Methods for Studying microRNA Functions During Stress. Methods in Molecular Biolog 115-128.	şy, 2015, 1292,	0.9	0
1645	Effetti biomolecolari del maltrattamento infantile: il ruolo dell'epigenetica e dell'infiam Maltrattamento E Abuso All'Infanzia, 2015, , 35-54.	mazione.	0.5	3
1647	Neuroendocrine Neoplasms of the Brain. , 2016, , 83-115.			0
1649	Targeting Transcriptional Factors in Gastrointestinal Cancers and Future Prospective. ,	2017, , 509-517.		1
1655	RNA Interference. , 2018, , 1078-1080.			0
1659	Selected factors influencing angiogenesis and hematopoietic niche. Acta Haematologi 2018, 49, 112-120.	ca Polonica,	0.3	1
1661	Dynamics of MicroRNA Biogenesis. Biological and Medical Physics Series, 2019, , 211-2	249	0.4	1
1663	MicroRNA‑494 inhibits apoptosis of murine vascular smooth muscle cells in�vitro. Reports, 2019, 19, 4457-4467.	Molecular Medicine	2.4	3

#	Article	IF	CITATIONS
1664	Identification of altered microRNAs in retinas of mice with oxygen-induced retinopathy. International Journal of Ophthalmology, 2019, 12, 739-745.	1.1	7
1670	The association of <i>AGO1</i> (rs595961G>A, rs636832A>G) and <i>AGO2</i> (rs11996715C>A, rs2292779C>G, rs4961280C>A) polymorphisms and risk of recurrent implantation failure. Bioscience Reports, 2019, 39, .	2.4	4
1671	Detection of MicroRNAs Released from Argonautes. Methods in Molecular Biology, 2020, 2106, 151-159.	0.9	2
1672	Insights into Oxidative Stress in Bone Tissue and Novel Challenges for Biomaterials. SSRN Electronic Journal, 0, , .	0.4	1
1675	Mesenchymal Stem Cell-Derived Exosomes and MicroRNAs in Cartilage Regeneration: Biogenesis, Efficacy, miRNA Enrichment and Delivery. Pharmaceuticals, 2021, 14, 1093.	3.8	29
1676	Host miRNA and immune cell interactions: relevance in nano-therapeutics for human health. Immunologic Research, 2021, , 1.	2.9	5
1677	Regulation and different functions of the animal microRNAâ€induced silencing complex. Wiley Interdisciplinary Reviews RNA, 2022, 13, e1701.	6.4	18
1678	Sağlıklı gebeliklerde fetal cinsiyet ile mikro RNA'ların ifade düzeyleri arasındaki ilişki. Zeynep Kamil Tip Bulteni, 0, , .	0.1	0
1680	Association of selected polymorphic sites in the IGF1R gene with body weight and conformation of Hereford cattle. Roczniki Naukowe Polskiego Towarzystwa Zootechnicznego, 2020, 16, 17-26.	0.2	0
1681	Advances in Non-Coding RNA Sequencing. Non-coding RNA, 2021, 7, 70.	2.6	14
1682	MicroRNAâ€ʿ3148 inhibits glioma by decreasing <i>DCUN1D1</i> and inhibiting the NFâ€ʿkB pathway. Experimental and Therapeutic Medicine, 2021, 23, 28.	1.8	1
1683	Diversity, Overlap, and Relationships in the Small RNA Landscape. , 2012, , 23-48.		Ο
1685	Toll-Like Receptor 4 and the World of microRNAs. Agents and Actions Supplements, 2021, , 143-157.	0.2	0
1687	Regulator Non-coding RNAs: miRNA, siRNA, piRNA, IncRNA, circRNA. Journal of Clinical Medicine of Kazakhstan, 2020, 6, 29-39.	0.3	Ο
1688	Mechanistic analysis of the enhanced RNAi activity by 6-mCEPh-purine at the 5′ end of the siRNA guide strand. Rna, 2021, 27, 151-162.	3.5	6
1689	Molecular determinants of lung cancer metastasis to the central nervous system. Translational Lung Cancer Research, 2013, 2, 273-83.	2.8	15
1690	RNAi2011: Gene Regulation by Small RNAs. Journal of Rnai and Gene Silencing, 2011, 7, 431-3.	1.2	0
1691	Specification of neural cell fate and regulation of neural stem cell proliferation by microRNAs. American Journal of Stem Cells, 2012, 1, 182-95.	0.4	14

#	Article	IF	CITATIONS
1692	Gene and microRNA expression reveals sensitivity to paclitaxel in laryngeal cancer cell line. International Journal of Clinical and Experimental Pathology, 2013, 6, 1351-61.	0.5	24
1693	Therapeutic Potential of Modulating microRNAs in Atherosclerotic Vascular Disease. Current Vascular Pharmacology, 2013, , .	1.7	2
1694	AKT/ERK activation is associated with gastric cancer cell resistance to paclitaxel. International Journal of Clinical and Experimental Pathology, 2014, 7, 1449-58.	0.5	29
1696	MicroRNA-21 inhibits platelet-derived growth factor-induced human aortic vascular smooth muscle cell proliferation and migration through targeting activator protein-1. American Journal of Translational Research (discontinued), 2014, 6, 507-16.	0.0	18
1697	miR-30c negatively regulates the migration and invasion by targeting the immediate early response protein 2 in SMMC-7721 and HepG2 cells. American Journal of Cancer Research, 2015, 5, 1435-46.	1.4	11
1698	MiR-199a inhibits the angiogenic potential of endometrial stromal cells under hypoxia by targeting HIF-1α/VEGF pathway. International Journal of Clinical and Experimental Pathology, 2015, 8, 4735-44.	0.5	31
1699	Down-regulation of hsa-miR-148b inhibits vascular smooth muscle cells proliferation and migration by directly targeting HSP90 in atherosclerosis. American Journal of Translational Research (discontinued), 2017, 9, 629-637.	0.0	10
1700	miR-381-3p suppresses the proliferation of oral squamous cell carcinoma cells by directly targeting FGFR2. American Journal of Cancer Research, 2017, 7, 913-922.	1.4	41
1701	Mir-24 regulates hepatocyte apoptosis via BIM during acute liver failure. American Journal of Translational Research (discontinued), 2017, 9, 4925-4935.	0.0	8
1702	A three-step approach identifies novel shear stress-sensitive endothelial microRNAs involved in vasculoprotective effects of high-intensity interval training (HIIT). Oncotarget, 2019, 10, 3625-3640.	1.8	8
1704	Simvastatin inhibits inflammatory response in lipopolysaccharide (LPS)-stimulated RAW264.7 macrophages through the microRNA-22/Cyr61 axis. International Journal of Clinical and Experimental Pathology, 2018, 11, 3925-3933.	0.5	3
1705	Comparative investigation of cell cycle and immunomodulatory genes in mucosal and cutaneous melanomas: Preliminary data suggest a potential promising clinical role for p16 and the PD-1/PD-L1 axis. Pathology Research and Practice, 2022, 229, 153689.	2.3	1
1706	Plasma MicroRNA Signature Panel Predicts the Immune Response After Antiretroviral Therapy in HIV-Infected Patients. Frontiers in Immunology, 2021, 12, 753044.	4.8	6
1707	miRNA-mediated control of exogenous OCT4 during mesenchymal-epithelial transition increases measles vector reprogramming efficiency. Molecular Therapy - Methods and Clinical Development, 2022, 24, 48-61.	4.1	3
1708	Posttranscriptional modulation of KCNQ2 gene expression by the miR-106b microRNA family. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
1709	MicroRNAs: From Junk RNA to Life Regulators and Their Role in Cardiovascular Disease. Neurology International, 2021, 11, 230-254.	0.5	1
1711	Regulation of Adaptive Tumor Immunity by Non-Coding RNAs. Cancers, 2021, 13, 5651.	3.7	5
1712	Concerted regulation of non-alcoholic fatty liver disease progression by microRNAs in apolipoprotein E-deficient mice. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	5

#	Article	IF	CITATIONS
1713	<scp>miR</scp> â€222â€5p promotes dysfunction of human vascular smooth muscle cells by targeting <scp>RB1</scp> . Environmental Toxicology, 2022, 37, 683-694.	4.0	5
1714	Therapeutic implications of cancer gene amplifications without mRNA overexpression: silence may not be golden. Journal of Hematology and Oncology, 2021, 14, 201.	17.0	4
1715	Epigenetic regulation of bone mass. Best Practice and Research in Clinical Endocrinology and Metabolism, 2022, 36, 101612.	4.7	10
1716	A review of the biological role of miRNAs in prostate cancer suppression and progression. International Journal of Biological Macromolecules, 2022, 197, 141-156.	7.5	74
1717	State of the Art: The Immunomodulatory Role of MSCs for Osteoarthritis. International Journal of Molecular Sciences, 2022, 23, 1618.	4.1	29
1718	Identification of Bovine miRNAs with the Potential to Affect Human Gene Expression. Frontiers in Genetics, 2021, 12, 705350.	2.3	6
1719	Current Understanding of Exosomal MicroRNAs in Glioma Immune Regulation and Therapeutic Responses. Frontiers in Immunology, 2021, 12, 813747.	4.8	18
1720	Comparative Transcriptomic Profiles of Differentiated Adipocytes Provide Insights into Adipogenesis Mechanisms of Subcutaneous and Intramuscular Fat Tissues in Pigs. Cells, 2022, 11, 499.	4.1	5
1721	Diagnosis and staging of HCV associated fibrosis, cirrhosis and hepatocellular carcinoma with target identification for miR-650, 552-3p, 676-3p, 512-5p and 147b. Cancer Biomarkers, 2022, , 1-18.	1.7	4
1723	Approaches Toward Targeting Matrix Metalloproteases for Prognosis and Therapies in Gynecological Cancer: MicroRNAs as a Molecular Driver. Frontiers in Oncology, 2021, 11, 720622.	2.8	3
1724	Involvement of miRNAs in cellular responses to radiation. International Journal of Radiation Biology, 2022, 98, 479-488.	1.8	2
1725	miR-582 negatively regulates pre-B cell proliferation and survival through targeting Hif1α and Rictor. Cell Death and Disease, 2022, 13, 107.	6.3	5
1726	Fine-tuning miR-21 expression and inhibition of EMT in breast cancer cells using aromatic-neomycin derivatives. Molecular Therapy - Nucleic Acids, 2022, 27, 685-698.	5.1	5
1727	A New Hyperbranched Nucleic Acid Dendrimer Synergistically Integrating Two Alzheimer's Disease-Related miRNAs. SSRN Electronic Journal, 0, , .	0.4	0
1728	HYL1-CLEAVAGE SUBTILASE 1 (HCS1) suppresses miRNA biogenesis in response to light-to-dark transition. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	13
1729	miR-148b-3p, as a tumor suppressor, targets son of sevenless homolog 1 to regulate the malignant progression in human osteosarcoma. Bioengineered, 2022, 13, 4271-4284.	3.2	3
1730	Novel approaches in cancer treatment: preclinical and clinical development of small non-coding RNA therapeutics. Journal of Experimental and Clinical Cancer Research, 2021, 40, 383.	8.6	22
1731	The polysaccharide–peptide complex from mushroom <i>Cordyceps militaris</i> ameliorates atherosclerosis by modulating the lncRNA–miRNA–mRNA axis. Food and Function, 2022, 13, 3185-3197.	4.6	11

#	Article	IF	Citations
1732	Overview on miRNA classification, biogenesis, and functions. , 2022, , 3-20.		2
1734	MicroRNAs as potential immunotherapeutic modulators in cancer. , 2022, , 165-183.		0
1735	MiRNA fine tuning for crop improvement: using advance computational models and biotechnological tools. Molecular Biology Reports, 2022, 49, 5437-5450.	2.3	7
1736	Astaxanthin Attenuates the Changes in the Expression of MicroRNAs Involved in the Activation of Hepatic Stellate Cells. Nutrients, 2022, 14, 962.	4.1	7
1737	Comparative Analysis of microRNA Binding Site Distribution and microRNA-Mediated Gene Expression Repression of Oncogenes and Tumor Suppressor Genes. Genes, 2022, 13, 481.	2.4	8
1738	Disruption of miR-18a Alters Proliferation, Photoreceptor Replacement Kinetics, Inflammatory Signaling, and Microglia/Macrophage Numbers During Retinal Regeneration in Zebrafish. Molecular Neurobiology, 2022, 59, 2910-2931.	4.0	8
1739	Insights into the identification of a molecular signature for amyotrophic lateral sclerosis exploiting integrated microRNA profiling of iPSC-derived motor neurons and exosomes. Cellular and Molecular Life Sciences, 2022, 79, 189.	5.4	12
1740	Exosomes in Age-Related Cognitive Decline: Mechanistic Insights and Improving Outcomes. Frontiers in Aging Neuroscience, 2022, 14, 834775.	3.4	4
1741	CTRP15 promotes macrophage cholesterol efflux and attenuates atherosclerosis by increasing the expression of ABCA1. Journal of Physiology and Biochemistry, 2022, , 1.	3.0	4
1743	Circulating MicroRNAs as Novel Biomarkers in Risk Assessment and Prognosis of Coronary Artery Disease. European Cardiology Review, 2022, 17, e06.	2.2	8
1744	Exosome-Shuttled miR-672-5p from Anti-Inflammatory Microglia Repair Traumatic Spinal Cord Injury by Inhibiting AIM2/ASC/Caspase-1 Signaling Pathway Mediated Neuronal Pyroptosis. Journal of Neurotrauma, 2022, 39, 1057-1074.	3.4	29
1745	Principles and pitfalls of high-throughput analysis of microRNA-binding thermodynamics and kinetics by RNA Bind-n-Seq. Cell Reports Methods, 2022, 2, 100185.	2.9	4
1746	Eukaryotic mRNA Decapping Activation. Frontiers in Genetics, 2022, 13, 832547.	2.3	14
1747	A Single Transcript Knockdown-Replacement Strategy Employing 5' UTR Secondary Structures to Precisely Titrate Rescue Protein Translation. Frontiers in Genome Editing, 2022, 4, 803375.	5.2	1
1748	The miR-98-3p/JAG1/Notch1 axis mediates the multigenerational inheritance of osteopenia caused by maternal dexamethasone exposure in female rat offspring. Experimental and Molecular Medicine, 2022, 54, 298-308.	7.7	10
1749	MicroRNA Expression Analysis of Mice Retinas with Oxygen-Induced Retinopathy by RNA Sequencing. Journal of Ophthalmology, 2022, 2022, 1-9.	1.3	3
1750	The Role of microRNA in the Inflammatory Response of Wound Healing. Frontiers in Immunology, 2022, 13, 852419.	4.8	18
1751	High-content analysis of microRNAs involved in the phenotype regulation of vascular smooth muscle cells. Scientific Reports, 2022, 12, 3498.	3.3	2

#	Article	IF	CITATIONS
1752	The Role of MicroRNAs in Proteostasis Decline and Protein Aggregation during Brain and Skeletal Muscle Aging. International Journal of Molecular Sciences, 2022, 23, 3232.	4.1	8
1753	A multimodal variational autoencoder for estimating progression scores from imaging and microRNA data in rare neurodegenerative diseases. , 2022, , .		1
1754	RNA Therapeutics: the Next Generation of Drugs for Cardiovascular Diseases. Current Atherosclerosis Reports, 2022, 24, 307-321.	4.8	12
1755	Non-coding RNAs in cardiac remodeling: diversity in composition and function. Current Opinion in Physiology, 2022, 26, 100534.	1.8	2
1756	Advances in the Immune Regulatory Role of Non-Coding RNAs (miRNAs and IncRNAs) in Insect-Pathogen Interactions. Frontiers in Immunology, 2022, 13, 856457.	4.8	16
1757	Recent trends in miRNA therapeutics and the application of plant miRNA for prevention and treatment of human diseases. Future Journal of Pharmaceutical Sciences, 2022, 8, 24.	2.8	25
1758	Multilayer control of cardiac electrophysiology by microRNAs. Journal of Molecular and Cellular Cardiology, 2022, 166, 107-115.	1.9	5
1759	Identification of potential target genes in Homo sapiens, by miRNA of Triticum aestivum: A cross kingdom computational approach. Non-coding RNA Research, 2022, 7, 89-97.	4.6	1
1760	MicroRNA-221-5p Promotes Ricin Toxin-induced Inflammation via PI3K/Akt signaling pathway by targeting COL4a5. Toxicon, 2022, 212, 11-18.	1.6	5
1762	miRNA-Mediated Knockdown of ATXN3 Alleviates Molecular Disease Hallmarks in a Mouse Model for Spinocerebellar Ataxia Type 3. Nucleic Acid Therapeutics, 2022, 32, 194-205.	3.6	8
1763	Detection of increased serum miR-122-5p and miR-455-3p levels before the clinical diagnosis of liver cancer in people with type 2 diabetes. Scientific Reports, 2021, 11, 23756.	3.3	13
1764	miR-143 Targeting CUX1 to Regulate Proliferation of Dermal Papilla Cells in Hu Sheep. Genes, 2021, 12, 2017.	2.4	10
1765	Hirschsprung's disease: key microRNAs and target genes. Pediatric Research, 2022, 92, 737-747.	2.3	13
1766	Argonaute and TNRC6, partners in RNAi. , 2022, , 17-36.		0
1767	Mitochondrial supplementation of Sus scrofa metaphase II oocytes alters DNA methylation and gene expression profiles of blastocysts. Epigenetics and Chromatin, 2022, 15, 12.	3.9	6
1768	Altered gene expression due to aberrant DNA methylation correlates with responsiveness to antiâ€EGFR antibody treatment. Cancer Science, 2022, , .	3.9	3
1769	miR-129-5p Participates in Hair Follicle Growth by Targeting HOXC13 in Rabbit. Genes, 2022, 13, 679.	2.4	1
1770	Synaptic plasticity and depression: the role of miRNAs dysregulation. Molecular Biology Reports, 2022, 49, 9759-9765.	2.3	11

#	Article	IF	CITATIONS
1794	Role of exosomes and its emerging therapeutic applications in the pathophysiology of non-infectious diseases. Biomarkers, 2022, 27, 534-548.	1.9	12
1795	MiR-486-5p specifically suppresses SAPCD2 expression, which attenuates the aggressive phenotypes of lung adenocarcinoma cells Histology and Histopathology, 2022, , 18463.	0.7	0
1796	Transfer RNA-Derived Small RNAs: Novel Regulators and Biomarkers of Cancers. Frontiers in Oncology, 2022, 12, 843598.	2.8	6
1797	microRNA expression in acute myeloid leukaemia: New targets for therapy?. EJHaem, 2022, 3, 596-608.	1.0	5
1798	Gga-miR-30c-5p Enhances Apoptosis in Fowl Adenovirus Serotype 4-Infected Leghorn Male Hepatocellular Cells and Facilitates Viral Replication through Myeloid Cell Leukemia-1. Viruses, 2022, 14, 990.	3.3	3
1799	MicroRNAs in kidney development and disease. JCI Insight, 2022, 7, .	5.0	16
1800	C1QTNF6 Targeted by MiR-184 Regulates the Proliferation, Migration, and Invasion of Lung Adenocarcinoma Cells. Molecular Biotechnology, 2022, , .	2.4	1
1801	Mammalian proteome expansion by stop codon readthrough. Wiley Interdisciplinary Reviews RNA, 2023, 14, e1739.	6.4	11
1802	The Emerging Role of Non-Coding RNAs in Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stem Cells. Frontiers in Cell and Developmental Biology, 2022, 10, .	3.7	1
1803	Expression of microRNA-223 and microRNA-146b in serum and liver tissue of mice infected with Schistosoma mansoni. Parasitology Research, 2022, 121, 1963-1972.	1.6	2
1804	Small RNA sequencing and identification of papaya (Carica papaya L.) miRNAs with potential cross-kingdom human gene targets. Molecular Genetics and Genomics, 2022, 297, 981-997.	2.1	7
1805	The signaling pathway of levamisole-sensitive-acetylcholine receptors involved in short-term forgetting of Caenorhabditis elegans. Molecular Genetics and Genomics, 2022, 297, 1027-1038.	2.1	2
1806	Transcriptional regulation of nuclear miRNAs in tumorigenesis (Review). International Journal of Molecular Medicine, 2022, 50, .	4.0	6
1808	The miR-200 Family Targeting amh Affects the Gonadal Development of Japanese Flounder. Fishes, 2022, 7, 129.	1.7	0
1809	miR-223 Exerts Translational Control of Proatherogenic Genes in Macrophages. Circulation Research, 2022, 131, 42-58.	4.5	17
1810	Noncoding RNAs: A New Layer of Functional RNAs. Current Pharmaceutical Biotechnology, 2023, 24, 856-871.	1.6	2
1811	Serum microRNAs as biomarkers for the diagnosis of papillary thyroid carcinoma: a meta-analysis. Bosnian Journal of Basic Medical Sciences, 0, , .	1.0	1
1812	MicroRNA biogenesis proteins follow tissue-dependent expression during freezing in Dryophytes versicolor. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2022, 192, 611-622.	1.5	2

#	Article	IF	CITATIONS
1813	Exercise-Induced Circulating microRNAs: Potential Key Factors in the Control of Breast Cancer. Frontiers in Physiology, 0, 13, .	2.8	1
1814	Highly sensitive and non-disruptive detection of residual undifferentiated cells by measuring miRNAs in culture supernatant. Scientific Reports, 2022, 12, .	3.3	3
1815	<scp>miR</scp> â€27 and <scp>miR</scp> â€124 target <scp>AR</scp> coregulators in prostate cancer: Bioinformatics and in vitro analysis. Andrologia, 0, , .	2.1	2
1816	M2 macrophage-derived exosomal microRNA-411-5p impedes the activation of hepatic stellate cells by targeting CAMSAP1 in NASH model. IScience, 2022, 25, 104597.	4.1	16
1817	RNAi-Based Therapeutics and Novel RNA Bioengineering Technologies. Journal of Pharmacology and Experimental Therapeutics, 2023, 384, 133-154.	2.5	52
1818	<scp>MeCP2</scp> lossâ€ofâ€function dysregulates <scp>microRNAs</scp> regionally and disrupts excitatory/inhibitory synaptic transmission balance. Hippocampus, 0, , .	1.9	1
1819	Hippocampal miR-124 Participates in the Pathogenesis of Depression via Regulating the Expression of BDNF in a Chronic Social Defeat Stress Model of Depression. Current Neurovascular Research, 2022, 19, 210-218.	1.1	6
1820	Small <scp>RNAs</scp> in Cnidaria: A review. Evolutionary Applications, 0, , .	3.1	3
1821	Viral Encoded miRNAs in Tumorigenesis: Theranostic Opportunities in Precision Oncology. Microorganisms, 2022, 10, 1448.	3.6	3
1822	Single-molecule FRET uncovers hidden conformations and dynamics of human Argonaute 2. Nature Communications, 2022, 13, .	12.8	19
1823	Muller glia-derived exosomes and their microRNA cargo–potential for glaucoma therapies. , 2022, , 543-559.		0
1824	MicroRNA target prediction and validation. , 2022, , 53-67.		Ο
1825	MicroRNAs and Their Big Therapeutic Impacts: Delivery Strategies for Cancer Intervention. Cells, 2022, 11, 2332.	4.1	19
1826	<scp>MicroRNA</scp> â€204â€5p: A pivotal tumor suppressor. Cancer Medicine, 2023, 12, 3185-3200.	2.8	12
1827	MiR-18a-5p Targets Connective Tissue Growth Factor Expression and Inhibits Transforming Growth Factor β2-Induced Trabecular Meshwork Cell Contractility. Genes, 2022, 13, 1500.	2.4	5
1828	Serum nonâ€coding RNAs for diagnosis and stage of liver fibrosis. Journal of Clinical Laboratory Analysis, 2022, 36, .	2.1	2
1829	Epigenetics in drug disposition & drug therapy: symposium report of the 24 th North American meeting of the International Society for the Study of Xenobiotics (ISSX). Drug Metabolism Reviews, 2022, 54, 318-330.	3.6	2
1831	The Role of miRNAs in Metabolic Diseases. Current Medicinal Chemistry, 2023, 30, 1922-1944.	2.4	12

#	Article	IF	CITATIONS
1832	Non-coding RNAs in necroptosis, pyroptosis, and ferroptosis in cardiovascular diseases. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	5
1833	Ordered heterogeneity in dual-ligand MOF to enable high electrochemiluminescence efficiency for bioassay with DNA triangular prism as signal switch. Biosensors and Bioelectronics, 2022, 217, 114713.	10.1	11
1834	Prospective advances in microRNAs investigation. , 2022, , 615-624.		0
1835	Post-transcriptional gene regulation in solid tumors. , 2022, , 119-148.		0
1836	Targeted mRNA Degradation in Eukaryotes. , 2022, , .		0
1837	Disease Progression Score Estimation From Multimodal Imaging and MicroRNA Data Using Supervised Variational Autoencoders. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 6024-6035.	6.3	4
1838	Clinical applications of microRNAs. , 2022, , 601-612.		0
1839	Ordered Heterogeneity in Dual-Ligand Mof to Enable Intense Electrochemiluminescence for Bioassay with DNA Triangular Prism as Signal Switch. SSRN Electronic Journal, 0, , .	0.4	0
1840	microRNAs-Mediated Regulation of Voltage Gated Anion Channel 1: A Major Player in ROS Generation and Cancer Progression. , 2022, , 1429-1435.		0
1841	Actin dynamics in protein homeostasis. Bioscience Reports, 2022, 42, .	2.4	8
1842	Runx2 and Nell-1 in dental follicle progenitor cells regulate bone remodeling and tooth eruption. Stem Cell Research and Therapy, 2022, 13, .	5.5	8
1843	Overview of MicroRNAs as Diagnostic and Prognostic Biomarkers for High-Incidence Cancers in 2021. International Journal of Molecular Sciences, 2022, 23, 11389.	4.1	9
1844	Unveiling caspase-2 regulation by non-coding RNAs. Cell Death and Disease, 2022, 13, .	6.3	2
1845	The Role of miR-29 Family in TGF-β Driven Fibrosis in Glaucomatous Optic Neuropathy. International Journal of Molecular Sciences, 2022, 23, 10216.	4.1	7
1846	Mechanisms of action of cytoplasmic microRNAs. Part 2. MicroRNA-mediated post-translational silencing. Zdorovʹe Rebenka, 2022, 17, 167-172.	0.2	0
1847	Cooperative RNA degradation stabilizes intermediate epithelial-mesenchymal states and supports a phenotypic continuum. IScience, 2022, 25, 105224.	4.1	2
1848	Role of microRNAs in trophoblast invasion and spiral artery remodeling: Implications for preeclampsia. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	9
1849	Differential Spleen miRNA Expression Profile of Beagle Dogs Infected with Toxocara canis. Animals, 2022, 12, 2638.	2.3	1

ARTICLE IF CITATIONS Partial Disturbance of Microprocessor Function in Human Stem Cells Carrying a Heterozygous 1850 2.4 0 Mutation in the DGCR8 Gene. Genes, 2022, 13, 1925. MSPCD: predicting circRNA-disease associations via integrating multi-source data and hierarchical 2.6 neural network. BMC Bioinformatics, 2022, 23, . Alterations in circulating markers in HIV/AIDS patients with poor immune reconstitution: Novel 1852 7 4.8 insights from microbial translocation and innate immunity. Frontiers in Immunology, 0, 13, . An overview of structural approaches to study therapeutic RNAs. Frontiers in Molecular Biosciences, 0,9,. Role of microRNA in Endocrine Disruptor-Induced Immunomodulation of Metabolic Health. 1854 2.9 1 Metabolites, 2022, 12, 1034. Small interfering RNA: Discovery, pharmacology and clinical development—An introductory review. British Journal of Pharmacology, 2023, 180, 2697-2720. 5.4The Mechanistic Roles of Sirtuins in Breast and Prostate Cancer. Cancers, 2022, 14, 5118. 1856 3.7 10 Tumor-targeted miRNA nanomedicine for overcoming challenges in immunity and therapeutic 3.3 resistance. Nanomedicine, 2022, 17, 1355-1373. <scp>MicroRNA</scp> signatures in genetic frontotemporal dementia and amyotrophic lateral 1858 3.7 4 sclerosis. Annals of Clinical and Translational Neurology, 2022, 9, 1778-1791. CircRNAs: Key molecules in the prevention and treatment of ischemic stroke. Biomedicine and 5.6 Pharmacotherapy, 2022, 156, 113845. Urinary exosomes: Diagnostic impact with a bioinformatic approach. Advances in Clinical Chemistry, 1862 3.7 6 2022, , 69-99. The translational genetics of ADHD and related phenotypes in model organisms. Neuroscience and 1863 6.1 Biobehavioral Reviews, 2023, 144, 104949. The role of miRNAs and lncRNAs in neurofibromatosis type 1. Journal of Cellular Biochemistry, 2023, 1864 2.6 3 124, 17-30. AGO4 suppresses tumor growth by modulating autophagy and apoptosis via enhancing TRIM21-mediated 1865 ubiquitination of GRP78 in a p53-independent manner. Oncogene, 2023, 42, 62-77. Similar Characteristics of siRNAs of Plant Viruses Which Replicate in Plant and Fungal Hosts. Biology, 1866 2.8 1 2022, 11, 1672. Amphiphilic phosphorous dendron micelles co-deliver microRNA inhibitor and doxorubicin for 1867 5.8 augmented triple negative breast cancer therapy. Journal of Materials Chemistry B, 2023, 11, 5483-5493. A Review of the Recent Advances in Alzheimer's Disease Research and the Utilization of Network 1868 2.6 5 Biology Approaches for Prioritizing Diagnostics and Therapeutics. Diagnostics, 2022, 12, 2975. Epigenetic regulation of radioresistance: insights from preclinical and clinical studies. Expert 1869 4.1 Opinion on Investigational Drugs, 0, , 1-17.

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#	Article	IF	CITATIONS
1870	Identification of Small-Molecule Inhibitors of Oncogenic Lin28–Let-7 Interaction. Springer Theses, 2023, , 7-52.	0.1	0
1871	SNORD60 promotes the tumorigenesis and progression of endometrial cancer through binding <i>PIK3CA</i> and regulating PI3K/AKT/mTOR signaling pathway. Molecular Carcinogenesis, 2023, 62, 413-426.	2.7	1
1872	The Role of microRNAs in Inflammation. International Journal of Molecular Sciences, 2022, 23, 15479.	4.1	23
1873	A panel of blood-derived miRNAs with a stable expression pattern as a potential pan-cancer detection signature. Frontiers in Molecular Biosciences, 0, 9, .	3.5	0
1874	miRNAs insights into rheumatoid arthritis: Favorable and detrimental aspects of key performers. Life Sciences, 2023, 314, 121321.	4.3	63
1875	The role of miRNA and IncRNA in heterotopic ossification pathogenesis. Stem Cell Research and Therapy, 2022, 13, .	5.5	3
1876	MirDIP 5.2: tissue context annotation and novel microRNA curation. Nucleic Acids Research, 2023, 51, D217-D225.	14.5	10
1877	Autophagy-Related ncRNAs in Pancreatic Cancer. Pharmaceuticals, 2022, 15, 1547.	3.8	2
1878	Full-length transcriptome sequencing and comparative transcriptome analysis of Eriocheir sinensis in response to infection by the microsporidian Hepatospora eriocheir. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	4
1879	The hitchhikers' guide to RNA sequencing and functional analysis. Briefings in Bioinformatics, 2023, 24, .	6.5	8
1880	Non-coding RNAs in immunoregulation and autoimmunity: Technological advances and critical limitations. Journal of Autoimmunity, 2023, 134, 102982.	6.5	7
1881	Heteromultivalent scaffolds fabricated by biomimetic co-assembly of DNA-RNA building blocks for the multi-analysis of miRNAs. Journal of Materials Chemistry B, 0, , .	5.8	0
1882	Nucleic acid drug vectors for diagnosis and treatment of brain diseases. Signal Transduction and Targeted Therapy, 2023, 8, .	17.1	19
1883	Plasma small extracellular vesicles from dogs affected by cutaneous mast cell tumors deliver high levels of miR-21-5p. Frontiers in Veterinary Science, 0, 9, .	2.2	3
1884	Epigenetic regulation of gene expression: an overview of classical and recently discovered novel players. , 2023, , 3-45.		0
1885	MicroRNAs associated with Helicobacter pylori and Epstein-Barr virus infections in gastric cancer. , 2023, , 71-94.		0
1886	Stress-Induced Transcriptomic Changes in Females with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome Reveal Disrupted Immune Signatures. International Journal of Molecular Sciences, 2023, 24, 2698.	4.1	7
1887	Regulation of Gene Activity Is One of the Mechanisms for Changing Radiosensitivity. Biology Bulletin, 2022, 49, 2032-2042.	0.5	0

#	Article	IF	CITATIONS
1888	The Identification and Characteristics of miRNAs Related to Cashmere Fiber Traits in Skin Tissue of Cashmere Goats. Genes, 2023, 14, 473.	2.4	0
1889	Mediterranean exposotype: Genomic architecture and plant-based dietary metabolites. Clinical Nutrition ESPEN, 2023, 55, 1-9.	1.2	1
1890	Recent advances in understanding microRNA function and regulation in C. elegans. Seminars in Cell and Developmental Biology, 2024, 154, 4-13.	5.0	3
1892	Relationship between NUDT21 mediated alternative polyadenylation process and tumor. Frontiers in Oncology, 0, 13, .	2.8	1
1893	Development of Adverse Outcome Pathways relevant for the identification of substances having endocrine disruptors properties. EFSA Supporting Publications, 2023, 20, .	0.7	1
1894	Implications of miRNAs dysregulation in amyotrophic lateral sclerosis: Challenging for clinical applications. Frontiers in Neuroscience, 0, 17, .	2.8	0
1895	Genome-Wide Analysis of microRNA Expression Profile in Roots and Leaves of Three Wheat Cultivars under Water and Drought Conditions. Biomolecules, 2023, 13, 440.	4.0	1
1896	SIV Infection Regulates Compartmentalization of Circulating Blood Plasma miRNAs within Extracellular Vesicles (EVs) and Extracellular Condensates (ECs) and Decreases EV-Associated miRNA-128. Viruses, 2023, 15, 622.	3.3	2
1897	One locus, several functional RNAs—emerging roles of the mechanisms responsible for the sequence variability of microRNAs. Biologia Futura, 2023, 74, 17-28.	1.4	3
1898	Diabetic cardiomyopathy: The role of microRNAs and long non-coding RNAs. Frontiers in Endocrinology, 0, 14, .	3.5	4
1899	Knockdown of the long non‑coding RNA MALAT1 ameliorates TNFâ€'α‑mediated endothelial cell pyroptosis via the miR‑30c‑5p/Cx43 axis. Molecular Medicine Reports, 2023, 27, .	2.4	2
1900	An Evaluation on the Role of Non-Coding RNA in HIV Transcription and Latency: A Review. HIV/AIDS - Research and Palliative Care, 0, Volume 15, 115-134.	0.8	1
1901	Nonalcoholic Fatty Liver Disease and MicroRNAs: A Weighty Consideration. Biomedical and Biotechnology Research Journal, 2023, 7, 1.	0.6	1
1902	Circulating miRNA-451a and miRNA-328-3p as Potential Markers of Coronary Artery Aneurysmal Disease. International Journal of Molecular Sciences, 2023, 24, 5817.	4.1	2
1903	MicroRNA-378 inhibits hepatocyte apoptosis during acute liver failure by targeting caspase-9 in mice. GastroenterologÃa Y HepatologÃa (English Edition), 2023, 46, 124-134.	0.1	0
1904	The Role of MicroRNA in the Pathogenesis of Diabetic Nephropathy. International Journal of Molecular Sciences, 2023, 24, 6214.	4.1	5
1905	miRNAs as Predictors of Barrier Integrity. Biosensors, 2023, 13, 422.	4.7	2
1907	Extracellular Vesicles and Their Zeta Potential as Future Markers Associated with Nutrition and Molecular Biomarkers in Breast Cancer. International Journal of Molecular Sciences, 2023, 24, 6810.	4.1	2

		CHATION REPORT	
			0
#	Article	IF	CITATIONS
1908	Mechanisms of ovarian aging in women: a review. Journal of Ovarian Research, 2023, 16, .	3.0	12
1909	Role of Hippocampal miR-132-3p in Modifying the Function of Protein Phosphatase Mg2+/Mn2+-dependent 1ÂF in Depression. Neurochemical Research, 0, , .	3.3	0

1910 Small non-coding RNA in plants: from basic science to innovative applications. MicroRNA (Shariqah,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5

1911	Not all exons are protein coding: Addressing a common misconception. Cell Genomics, 2023, 3, 100296.	6.5	3
1913	A Look at Plant-Growth-Promoting Bacteria. Plants, 2023, 12, 1668.	3.5	19
1914	The role of noncoding <scp>RNAs</scp> in pancreatic birth defects. Birth Defects Research, 0, , .	1.5	0
1916	miRNAs' Cross-Involvement in Skin Allergies: A New Horizon for the Pathogenesis, Diagnosis and Therapy of Atopic Dermatitis, Allergic Contact Dermatitis and Chronic Spontaneous Urticaria. Biomedicines, 2023, 11, 1266.	3.2	1
1917	Ago2 and a miRNA reduce Topoisomerase 1 for enhancing DNA cleavage in antibody diversification by activation-induced cytidine deaminase. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	1
1919	An mRNA processing pathway suppresses metastasis by governing translational control from the nucleus. Nature Cell Biology, 2023, 25, 892-903.	10.3	7
1920	On the origin and nature of nongenetic information in eumetazoans. Annals of the New York Academy of Sciences, 0, , .	3.8	0
1921	miRNA 548a-3p as biomarker of NEDA-3 at 2Âyears in multiple sclerosis patients treated with fingolimod. Journal of Neuroinflammation, 2023, 20, .	7.2	0
1922	Estrogen receptor alpha mutations regulate gene expression and cell growth in breast cancer through microRNAs. NAR Cancer, 2023, 5, .	3.1	1
1923	Integrated bioinformatics analysis for identifying key genes and pathways in female and male patients with dilated cardiomyopathy. Scientific Reports, 2023, 13, .	3.3	2
1924	Screening of reference genes for microRNA analysis in the study of solider caste differentiation of Formosan subterranean termite Coptotermes formosanus Shiraki. Scientific Reports, 2023, 13, .	3.3	1
1925	LncRNA HOTAIR as a ceRNA is related to breast cancer risk and prognosis. Breast Cancer Research and Treatment, 2023, 200, 375-390.	2.5	0
1926	miRNAs, cancer, and unconventional miRNA functions. MINAR International Journal of Applied Sciences and Technology, 2023, 4, 36-41.	0.1	0
1927	MicroRNAs as Potential Biomarkers in Gynecological Cancers. Biomedicines, 2023, 11, 1704.	3.2	2
1928	H19X-encoded microRNAs induced by IL-4 in adipocyte precursors regulate proliferation to facilitate differentiation. Biology Direct, 2023, 18, .	4.6	0

#	Article	IF	CITATIONS
1929	Enhanced nitrogen removal via Yarrowia lipolytica-mediated nitrogen and related metabolism of Chlorella pyrenoidosa from wastewater. Frontiers in Bioengineering and Biotechnology, 0, 11, .	4.1	0
1930	Mechanisms of immune modulation in the tumor microenvironment and implications for targeted therapy. Frontiers in Oncology, 0, 13, .	2.8	3
1931	Recent Advances in Novel Recombinant RNAs for Studying Post-transcriptional Gene Regulation in Drug Metabolism and Disposition. Current Drug Metabolism, 2023, 24, 175-189.	1.2	1
1932	MicroRNA-200b deficiency is not sufficient to increase susceptibility to allergen-induced airway inflammation and dysfunction in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2023, 325, L45-L53.	2.9	2
1934	Integration of a multi-omics stem cell differentiation dataset using a dynamical model. PLoS Genetics, 2023, 19, e1010744.	3.5	4
1935	The let-7b-5p, miR-326, and miR-125a-3p are associated with left ventricular systolic dysfunction in post-myocardial infarction. Frontiers in Cardiovascular Medicine, 0, 10, .	2.4	0
1936	miRNA in Cardiac Regeneration. , 2023, , 683-716.		0
1937	Crosstalk between miRNAs and DNA Methylation in Cancer. Genes, 2023, 14, 1075.	2.4	10
1938	Loss of microRNA-21 protects against acetaminophen-induced hepatotoxicity in mice. Archives of Toxicology, 2023, 97, 1907-1925.	4.2	4
1939	miR-100-5p Regulates Skeletal Muscle Myogenesis through the Trib2/mTOR/S6K Signaling Pathway. International Journal of Molecular Sciences, 2023, 24, 8906.	4.1	2
1940	Small RNA Profiling in an HTLV-1-Infected Patient with Acute Adult T-Cell Leukemia-Lymphoma at Diagnosis and after Maintenance Therapy: A Case Study. International Journal of Molecular Sciences, 2023, 24, 10643.	4.1	0
1941	Cellular and Molecular Evidence of Multiple Sclerosis Diagnosis and Treatment Challenges. Journal of Clinical Medicine, 2023, 12, 4274.	2.4	15
1942	Stress, microRNAs, and stress-related psychiatric disorders: an overview. Molecular Psychiatry, 0, , .	7.9	4
1943	Circ_0005615 promotes cervical cancer cell growth and metastasis by modulating the miRâ€138â€5p/KDM2A axis. Journal of Biochemical and Molecular Toxicology, 0, , .	3.0	0
1944	De novo high-accuracy transcriptomes from long-read sequencing reveals a wide variety of novel splice variants in copepodids and adult female salmon lice (Lepeophtheirus salmonis). Frontiers in Marine Science, 0, 10, .	2.5	0
1945	An ensemble of stacking classifiers for improved prediction of miRNA–mRNA interactions. Computers in Biology and Medicine, 2023, 164, 107242.	7.0	2
1946	microRNA-382 as a tumor suppressor? Roles in tumorigenesis and clinical significance. International Journal of Biological Macromolecules, 2023, 250, 125863.	7.5	19
1947	Mir-155 expression is downregulated in hematopoietic stem cell transplantation patients with Epstein-Barr virus infection. Minerva Pediatrics, 2023, 75, .	0.4	0

	Сітаті	ION REPORT	
#	Article	IF	CITATIONS
1948	Investigating the link between miR-34a-5p and TLR6 signaling in sepsis-induced ARDS. 3 Biotech, 2023, 13	3,. 2.2	1
1949	Exosomal non-coding RNAs in angiogenesis: Functions, mechanisms and potential clinical applications. Heliyon, 2023, 9, e18626.	3.2	3
1950	Crafting a Blueprint for MicroRNA in Cardiovascular Diseases (CVDs). Current Problems in Cardiology, 2023, 48, 102010.	2.4	8
1951	SARS-CoV-2-associated organs failure and inflammation: a focus on the role of cellular and viral microRNAs. Virology Journal, 2023, 20, .	3.4	3
1952	MicroRNAs in aldosterone production and action. Vitamins and Hormones, 2024, , 137-163.	1.7	0
1953	Myc-regulated miRNAs modulate p53 expression and impact animal survival under nutrient deprivation. PLoS Genetics, 2023, 19, e1010721.	3.5	0
1954	Alternative splicing impacts microRNA regulation within coding regions. NAR Genomics and Bioinformatics, 2023, 5, .	3.2	0
1955	Comparison of Extracellular Vesicle Isolation Methods for miRNA Sequencing. International Journal of Molecular Sciences, 2023, 24, 12183.	4.1	0
1956	Insect-pathogen crosstalk and the cellular-molecular mechanisms of insect immunity: uncovering the underlying signaling pathways and immune regulatory function of non-coding RNAs. Frontiers in Immunology, 0, 14, .	4.8	6
1957	The Role of MicroRNA in Graft-Versus-Host-Disease: A Review. Genes, 2023, 14, 1796.	2.4	1
1958	Role of microRNAs and their downstream target transcription factors in zebrafish thrombopoiesis. Scientific Reports, 2023, 13, .	3.3	0
1959	Downregulation of miR-144 blocked the proliferation and invasion of nerve cells in Hirschsprung disease by regulating Transcription Factor AP 4 (TFAP4). Pediatric Surgery International, 2023, 39, .	1.4	4
1960	Use of cutting-edge RNA-sequencing technology to identify biomarkers and potential therapeutic targets in canine and feline cancers and other diseases. Journal of Veterinary Science, 2023, 24, .	1.3	0
1961	New insights of miRNA molecular mechanisms in breast cancer brain metastasis and therapeutic targets. Non-coding RNA Research, 2023, 8, 645-660.	4.6	1
1962	Forward and Reverse Genetics in Crop Breeding. , 2023, , 257-275.		0
1963	RNA Interference for Improvement of Bioactive Compound Production in Plants. Food Bioactive Ingredients, 2023, , 119-137.	0.4	0
1964	Mutations within the miR172 target site of wheat <i>AP2</i> homoeologs regulate lodicule size and rachis internode length. Breeding Science, 2023, 73, 401-407.	1.9	1
1965	Construction of a novel circRNA-miRNA-ferroptosis related mRNA network in ischemic stroke. Scientific Reports, 2023, 13, .	3.3	0

#	Article	IF	CITATIONS
1966	Seamless and non-destructive monitoring of extracellular microRNAs during cardiac differentiation from human pluripotent stem cells. Stem Cell Reports, 2023, 18, 1925-1939.	4.8	1
1967	LncRNA CFRL aggravates cardiac fibrosis by modulating both miR-3113-5p/CTGF and miR-3473d/FN1 axis. IScience, 2023, 26, 108039.	4.1	0
1968	Distinct microRNA Signature and Suppression of ZFP36L1 Define ASCL1-Positive Lung Adenocarcinoma. Molecular Cancer Research, 0, , OF1-OF12.	3.4	0
1969	Actin-dependent recruitment of AGO2 to the zonula adherens. Molecular Biology of the Cell, 0, , .	2.1	0
1970	Optimized miR-124 reporters uncover differences in miR-124 expression among neuronal populations in vitro. Frontiers in Neuroscience, 0, 17, .	2.8	0
1971	Mesenchymal Stem Cell-Derived Exosomes and Their MicroRNAs in Heart Repair and Regeneration. Journal of Cardiovascular Translational Research, 0, , .	2.4	1
1972	The important role of miR-1-3p in cancers. Journal of Translational Medicine, 2023, 21, .	4.4	1
1973	When Argonaute takes out the ribonuclease sword. Journal of Biological Chemistry, 2024, 300, 105499.	3.4	2
1974	Genome-Wide Characterization of Fennel (Anethum foeniculum) MiRNome and Identification of its Potential Targets in Homo sapiens and Arabidopsis thaliana: An Inter and Intra-species Computational Scrutiny. Biochemical Genetics, 0, , .	1.7	0
1975	MicroRNAs in infectious diseases: potential diagnostic biomarkers and therapeutic targets. Clinical Microbiology Reviews, 2023, 36, .	13.6	2
1976	MicroRNAs as Molecular Biomarkers for the Characterization of Basal-like Breast Tumor Subtype. Biomedicines, 2023, 11, 3007.	3.2	0
1978	Exploring transcriptional and post-transcriptional epigenetic regulation of crf and 11βhsd2 in rainbow trout brain during chronic social stress. Comparative Biochemistry and Physiology Part A, Molecular & amp; Integrative Physiology, 2024, 288, 111557.	1.8	0
1979	Per- and polyfluoroalkyl substances, polychlorinated biphenyls, organochlorine pesticides, and polybrominated diphenyl ethers and dysregulation of MicroRNA expression in humans and animals—A systematic review. Environmental Research, 2024, 244, 117832.	7.5	0
1980	Impact of MICA 3′UTR allelic variability on miRNA binding prediction, a bioinformatic approach. Frontiers in Genetics, 0, 14, .	2.3	0
1982	Is Intrinsic Cardioprotection a Laboratory Phenomenon or a Clinically Relevant Tool to Salvage the Failing Heart?. International Journal of Molecular Sciences, 2023, 24, 16497.	4.1	0
1983	MicroRNAs in Tetrahymena thermophila: An epigenetic regulatory mechanism in the response to cadmium stress. Microbiological Research, 2024, 280, 127565.	5.3	0
1984	Differential effects of microRNAs miRâ€21, miRâ€99 and miRâ€145 on lung regeneration and inflammation during recovery from influenza pneumonia. Journal of Medical Virology, 2023, 95, .	5.0	1
1985	miR-12135 ameliorates liver fibrosis accompanied with the downregulation of integrin subunit alpha 11. IScience, 2024, 27, 108730.	4.1	Ο

#	Article	IF	CITATIONS
1987	TACC3: a multi-functional protein promoting cancer cell survival and aggressiveness. Cell Cycle, 2023, 22, 2637-2655.	2.6	0
1988	Role of miRNA in Ebola diagnosis and therapeutics. , 2024, , 135-163.		0
1989	Targeting noncoding RNAs to reactivate or eliminate latent HIV reservoirs. Current Opinion in HIV and AIDS, 2024, 19, 47-55.	3.8	0
1990	The landscape of nanoparticle-based siRNA delivery and therapeutic development. Molecular Therapy, 2024, 32, 284-312.	8.2	0
1991	Brain-targeted delivery of neuroprotective survival gene minimizing hematopoietic cell contamination: implications for Parkinson's disease treatment. Journal of Translational Medicine, 2024, 22, .	4.4	0
1992	A bibliometric and visual analysis of epigenetic research publications for Alzheimer's disease (2013–2023). Frontiers in Aging Neuroscience, 0, 16, .	3.4	0
1993	Shortening of the 3′ untranslated region: an important mechanism leading to overexpression of HMGA2 in serous ovarian cancer. Chinese Medical Journal, 2014, 127, 494-499.	2.3	0
1994	Substrate promiscuity of Dicer toward precursors of the let-7 family and their 3′-end modifications. Cellular and Molecular Life Sciences, 2024, 81, .	5.4	0
1995	miR-425-5p Regulates Proliferation of Bovine Mammary Epithelial Cells by Targeting TOB2. Genes, 2024, 15, 174.	2.4	0
1996	The role of non-protein-coding RNAs in ischemic acute kidney injury. Frontiers in Immunology, 0, 15, .	4.8	0
1997	Impact of Long-Lasting Environmental Factors on Regulation Mediated by the miR-34 Family. Biomedicines, 2024, 12, 424.	3.2	0
1998	LncRNAs: the art of being influential without protein. Trends in Plant Science, 2024, , .	8.8	0
1999	Evidence of Cross-Kingdom Gene Regulation by Plant MicroRNAs and Possible Reasons for Inconsistencies. Journal of Agricultural and Food Chemistry, 2024, 72, 4564-4573.	5.2	0
2000	Updates on the role of epigenetics in familial mediterranean fever (FMF). Orphanet Journal of Rare Diseases, 2024, 19, .	2.7	0
2001	Regulation of soldier caste differentiation by microRNAs in Formosan subterranean termite (<i>Coptotermes formosanus</i> Shiraki). PeerJ, 0, 12, e16843.	2.0	0
2002	MicroRNA as a potential diagnostic and prognostic biomarker in brain gliomas: a systematic review and meta-analysis. Frontiers in Neurology, 0, 15, .	2.4	0
2003	siRNA as potential therapeutic strategy for hypertension. European Journal of Pharmacology, 2024, 969, 176467.	3.5	0
2004	Exosomal small RNA profiling in first-trimester maternal blood explores early molecular pathways of preterm preeclampsia. Frontiers in Immunology, 0, 15, .	4.8	0

#	Article	IF	CITATIONS
2005	Noncoding RNA-associated competing endogenous RNA networks in trastuzumab-induced cardiotoxicity. Non-coding RNA Research, 2024, 9, 744-758.	4.6	0
2006	MicroRNAs as biomarkers of brain injury in neonatal encephalopathy: an observational cohort study. Scientific Reports, 2024, 14, .	3.3	0
2007	Towards understanding sex differences in autism spectrum disorders. Brain Research, 2024, 1833, 148877.	2.2	0
2008	miR-317-3p and miR-283-5p Play a Crucial Role in Regulating the Resistance to Indoxacarb in <i>Spodoptera frugiperda</i> by Targeting <i>GSTs4</i> . Journal of Agricultural and Food Chemistry, 2024, 72, 6889-6899.	5.2	0
2009	Epigenetic regulation of hepatocellular carcinoma progression: MicroRNAs as therapeutic, diagnostic and prognostic factors. International Journal of Biochemistry and Cell Biology, 2024, 170, 106566.	2.8	0