

Towards a molecular understanding of microRNA-mediated

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Citation Report

#	ARTICLE	IF	CITATIONS
1	MicroRNA-155 is Dysregulated in the Skin of Patients with Vitiligo and Inhibits Melanogenesis-associated Genes in Melanocytes and Keratinocytes. <i>Acta Dermato-Venereologica</i> , 2014, 96, 742-7.	0.6	23
2	Reflection on microRNAs in cancer: the next decade. <i>Science Bulletin</i> , 2015, 60, 2142-2144.	4.3	1
3	Molecular analysis of pediatric brain tumors identifies microRNAs in pilocytic astrocytomas that target the MAPK and NF- $\kappa$ B pathways. <i>Acta Neuropathologica Communications</i> , 2015, 3, 86.	2.4	40
4	Transfection of microRNA Mimics Should Be Used with Caution. <i>Frontiers in Genetics</i> , 2015, 6, 340.	1.1	144
5	The Regulation of Endotoxin Tolerance and its Impact on Macrophage Activation. <i>Critical Reviews in Immunology</i> , 2015, 35, 293-323.	1.0	32
6	Uridylation and adenylation of RNAs. <i>Science China Life Sciences</i> , 2015, 58, 1057-1066.	2.3	25
7	HypoxamiRs: regulators of cardiac hypoxia and energy metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 502-508.	3.1	72
8	The Functions of MicroRNAs: mRNA Decay and Translational Repression. <i>Trends in Cell Biology</i> , 2015, 25, 651-665.	3.6	648
9	Silencio/CG9754 connects the Piwi-piRNA complex to the cellular heterochromatin machinery. <i>Genes and Development</i> , 2015, 29, 2258-2271.	2.7	144
10	A Uniform System for the Annotation of Vertebrate microRNA Genes and the Evolution of the Human microRNAome. <i>Annual Review of Genetics</i> , 2015, 49, 213-242.	3.2	467
11	The miRNA Interactome in Metabolic Homeostasis. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 733-745.	3.1	66
12	Prediction of Causal Candidate Genes in Coronary Artery Disease Loci. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 2207-2217.	1.1	101
13	Pygmy MicroRNA: Surveillance Cops in Therapy Kingdom. <i>Molecular Medicine</i> , 2016, 22, 759-775.	1.9	1
14	Combined RT-qPCR of mRNA and microRNA Targets within One Fluidigm Integrated Fluidic Circuit. <i>Journal of Biomolecular Techniques</i> , 2016, 27, 75-83.	0.8	2
15	General Aspects Related to Nonsense Mutations. , 2016, , 1-76.		1
16	Identification of MicroRNAs Involved in Growth Arrest and Apoptosis in Hydrogen Peroxide-Treated Human Hepatocellular Carcinoma Cell Line HepG2. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 1-13.	1.9	12
17	MicroRNA in Control of Gene Expression: An Overview of Nuclear Functions. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1712.	1.8	882
18	A continuum of mRNP complexes in embryonic microRNA-mediated silencing. <i>Nucleic Acids Research</i> , 2017, 45, gkw872.	6.5	20

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19	MicroRNA-101 reverses temozolomide resistance by inhibition of GSK3 $\beta$ in glioblastoma. <i>Oncotarget</i> , 2016, 7, 79584-79595.	0.8	51
20	The DDX6 $\beta$ -4E-T interaction mediates translational repression and P-body assembly. <i>Nucleic Acids Research</i> , 2016, 44, 6318-6334.	6.5	97
21	Let $\alpha$ 7a modulates particulate matter (PM $_{2.5}$ )-induced oxidative stress and injury in human airway epithelial cells by targeting arginase 2. <i>Journal of Applied Toxicology</i> , 2016, 36, 1302-1310.	1.4	37
22	NPInter v3.0: an upgraded database of noncoding RNA-associated interactions. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw057.	1.4	130
23	MicroRNAs in Cardiovascular Disease. <i>Journal of the American College of Cardiology</i> , 2016, 68, 2577-2584.	1.2	341
24	MicroRNAs in lipid metabolism and atherosclerosis. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2016, 30, 665-676.	2.2	40
25	A dynamic intron retention program in the mammalian megakaryocyte and erythrocyte lineages. <i>Blood</i> , 2016, 127, e24-e34.	0.6	94
26	Global analysis of regulatory divergence in the evolution of mouse alternative polyadenylation. <i>Molecular Systems Biology</i> , 2016, 12, 890.	3.2	23
27	miR-365 targets $\beta$ -arrestin 2 to reverse morphine tolerance in rats. <i>Scientific Reports</i> , 2016, 6, 38285.	1.6	44
28	miRISC and the CCR4 $\beta$ -NOT complex silence mRNA targets independently of 43S ribosomal scanning. <i>EMBO Journal</i> , 2016, 35, 1186-1203.	3.5	64
29	The coupled and uncoupled mechanisms by which trans-acting factors regulate mRNA stability and translation. <i>Journal of Biochemistry</i> , 2017, 161, mvw086.	0.9	16
30	Ginsenoside Rd attenuates breast cancer metastasis implicating derepressing microRNA-18a-regulated Smad2 expression. <i>Scientific Reports</i> , 2016, 6, 33709.	1.6	50
31	Genome-wide analysis of Musashi-2 targets reveals novel functions in governing epithelial cell migration. <i>Nucleic Acids Research</i> , 2016, 44, 3788-3800.	6.5	48
32	RBPJ $\beta$ -Regulated miR-182 Promotes TNF $\alpha$ -Induced Osteoclastogenesis. <i>Journal of Immunology</i> , 2016, 196, 4977-4986.	0.4	59
33	Radiogenomics: A systems biology approach to understanding genetic risk factors for radiotherapy toxicity?. <i>Cancer Letters</i> , 2016, 382, 95-109.	3.2	68
34	MicroRNA biomarkers in clinical renal disease: from diabetic nephropathy renal transplantation and beyond. <i>Food and Chemical Toxicology</i> , 2016, 98, 73-88.	1.8	28
35	A Specialized Mechanism of Translation Mediated by FXR1 $\alpha$ -Associated MicroRNP in Cellular Quiescence. <i>Molecular Cell</i> , 2016, 61, 760-773.	4.5	85
36	Clinical significance of long noncoding RNA SPRY4-IT 1 in melanoma patients. <i>FEBS Open Bio</i> , 2016, 6, 147-154.	1.0	42

#	ARTICLE	IF	CITATIONS
37	Production of small RNAs by mammalian Dicer. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 1089-1102.	1.3	41
38	Targeting the <i>MIR34C-5p</i> -ATG4B-autophagy axis enhances the sensitivity of cervical cancer cells to pirarubicin. <i>Autophagy</i> , 2016, 12, 1105-1117.	4.3	32
39	Mitochondrial translation factors reflect coordination between organelles and cytoplasmic translation via mTOR signaling: Implication in disease. <i>Free Radical Biology and Medicine</i> , 2016, 100, 231-237.	1.3	9
40	Transposable elements and miRNA: Regulation of genomic stability and plasticity. <i>Mobile Genetic Elements</i> , 2016, 6, e1175537.	1.8	12
41	MicroRNA™s impact on neurotransmitter and neuropeptide systems: small but mighty mediators of anxiety. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 1061-1069.	1.3	8
42	Fetal Stem Cells in Regenerative Medicine. <i>Pancreatic Islet Biology</i> , 2016, , .	0.1	6
43	MicroRNA Expression in Amniotic Fluid Cells. <i>Pancreatic Islet Biology</i> , 2016, , 215-228.	0.1	2
44	Genetic factors conferring metastasis in osteosarcoma. <i>Future Oncology</i> , 2016, 12, 1623-1644.	1.1	28
45	New frontiers in translational control of the cancer genome. <i>Nature Reviews Cancer</i> , 2016, 16, 288-304.	12.8	282
46	Post-transcriptional gene silencing activity of human GIGYF2. <i>Biochemical and Biophysical Research Communications</i> , 2016, 475, 289-294.	1.0	21
47	Cytoplasmic Drosha activity generated by alternative splicing. <i>Nucleic Acids Research</i> , 2016, 44, gkw668.	6.5	37
48	Scanning for a unified model for translational repression by micro <i>RNA</i> s. <i>EMBO Journal</i> , 2016, 35, 1158-1159.	3.5	9
49	Extracellular miRNA: A Collision of Two Paradigms. <i>Trends in Biochemical Sciences</i> , 2016, 41, 883-892.	3.7	145
50	Mammalian PNLDC1 is a novel poly(A) specific exonuclease with discrete expression during early development. <i>Nucleic Acids Research</i> , 2016, 44, 8908-8920.	6.5	24
52	On the prospect of clinical utilization of microRNAs as biomarkers or treatment of chronic pain. <i>Experimental Neurology</i> , 2016, 284, 63-66.	2.0	1
53	Structural basis of mRNA-cap recognition by Dcp1™Dcp2. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 987-994.	3.6	45
54	Droplet digital PCR, a prospective technological approach to quantitative profiling of microRNA. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2016, 10, 22-30.	0.2	0
55	miR™634 exhibits anti™tumor activities toward hepatocellular carcinoma via Rab1A and DHX33. <i>Molecular Oncology</i> , 2016, 10, 1532-1541.	2.1	35

#	ARTICLE	IF	CITATIONS
56	Pharmacology of heart failure: From basic science to novel therapies. , 2016, 166, 136-149.		18
57	Anatomy of <scp>RISC</scp>: how do small <scp>RNAs</scp> and chaperones activate Argonaute proteins?. Wiley Interdisciplinary Reviews RNA, 2016, 7, 637-660.	3.2	155
58	Panax notoginseng saponins attenuate lung cancer growth in part through modulating the level of Met/miR-222 axis. Journal of Ethnopharmacology, 2016, 193, 255-265.	2.0	44
59	RNA-Mediated Silencing in Eukaryotes: Evolution of Protein Components and Biological Roles. , 2016, , 513-529.		2
60	Non-coding RNAs: Classification, Biology and Functioning. Advances in Experimental Medicine and Biology, 2016, 937, 3-17.	0.8	596
61	Site-specific Labeling of MicroRNA Precursors: A Structure-Activity Relationship Study. ChemBioChem, 2016, 17, 2012-2017.	1.3	3
62	Micro<scp>RNA</scp>s in neutrophils: potential next generation therapeutics for inflammatory ailments. Immunological Reviews, 2016, 273, 29-47.	2.8	40
63	Visualization and Quantification of MicroRNA in a Single Cell Using Atomic Force Microscopy. Journal of the American Chemical Society, 2016, 138, 11664-11671.	6.6	42
64	Argonaute-associated short introns are a novel class of gene regulators. Nature Communications, 2016, 7, 11538.	5.8	59
65	Systems analysis identifies miR-29b regulation of invasiveness in melanoma. Molecular Cancer, 2016, 15, 72.	7.9	21
66	The roles of miRNAs as potential biomarkers in lung diseases. European Journal of Pharmacology, 2016, 791, 395-404.	1.7	116
67	Developmental inhibition of miR-iab8-3p disrupts mushroom body neuron structure and adult learning ability. Developmental Biology, 2016, 419, 237-249.	0.9	8
68	From t<scp>RNA</scp> to mi<scp>RNA</scp>:<scp> RNA</scp>-folding contributes to correct entry into noncoding <scp>RNA</scp> pathways. FEBS Letters, 2016, 590, 2354-2363.	1.3	16
69	miR-24, miR-30b and miR-142-3p interfere with antigen processing and presentation by primary macrophages and dendritic cells. Scientific Reports, 2016, 6, 32925.	1.6	75
70	Small RNA Modifications: Integral to Function and Disease. Trends in Molecular Medicine, 2016, 22, 1025-1034.	3.5	90
71	A restricted signature of serum miRNAs distinguishes glioblastoma from lower grade gliomas. Journal of Experimental and Clinical Cancer Research, 2016, 35, 124.	3.5	66
72	Epigenetic inactivation of the p53-induced long noncoding RNA TP53 target 1 in human cancer. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7535-E7544.	3.3	140
73	Tylophorine Analog DCB-3503 Inhibited Cyclin D1 Translation through Allosteric Regulation of Heat Shock Cognate Protein 70. Scientific Reports, 2016, 6, 32832.	1.6	6

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74	A network-biology perspective of microRNA function and dysfunction in cancer. <i>Nature Reviews Genetics</i> , 2016, 17, 719-732.	7.7	579
75	Bioinformatic Studies to Predict MicroRNAs with the Potential of Uncoupling RECK Expression from epithelialâ€“mesenchymal Transition in Cancer Cells. <i>Cancer Informatics</i> , 2016, 15, CIN.S34141.	0.9	2
76	Small <scp>RNAs</scp>: essential regulators of gene expression and defenses against environmental stresses in plants. <i>Wiley Interdisciplinary Reviews RNA</i> , 2016, 7, 356-381.	3.2	52
77	Cardiac progenitor cell-derived exosomes prevent cardiomyocytes apoptosis through exosomal miR-21 by targeting PDCD4. <i>Cell Death and Disease</i> , 2016, 7, e2277-e2277.	2.7	293
78	miRNA-105 and -128 function as rheostats modulating MMP-2 activities by downregulation of TIMP-2 and upregulation of MT1-MMP. <i>Genes and Genomics</i> , 2016, 38, 217-223.	0.5	3
79	The multiple functions of RNA helicases as drivers and regulators of gene expression. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 426-438.	16.1	212
80	The implication of microRNAs and endo-siRNAs in animal germline and early development. <i>Developmental Biology</i> , 2016, 416, 18-25.	0.9	33
81	The Lupus Autoantigen La Prevents Mis-channeling of tRNA Fragments into the Human MicroRNA Pathway. <i>Molecular Cell</i> , 2016, 63, 110-124.	4.5	107
82	Intracellular and extracellular microRNA: An update on localization and biological role. <i>Progress in Histochemistry and Cytochemistry</i> , 2016, 51, 33-49.	5.1	189
83	Coordinated Regulation of Cap-Dependent Translation and MicroRNA Function by Convergent Signaling Pathways. <i>Molecular and Cellular Biology</i> , 2016, 36, 2360-2373.	1.1	14
84	MicroRNAs in cardiovascular disease. <i>Current Opinion in Cardiology</i> , 2016, 31, 249-254.	0.8	70
85	Deletion of the miR-379/miR-410 gene cluster at the imprinted <i>Dlk1-Dio3</i> locus enhances anxiety-related behaviour. <i>Human Molecular Genetics</i> , 2016, 25, 728-739.	1.4	70
86	Mini-review: emerging roles of microRNAs in the pathophysiology of renal diseases. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F109-F118.	1.3	79
87	Reproducible features of small RNAs in <i>C. elegans</i> reveal NU RNAs and provide insights into 22G RNAs and 26G RNAs. <i>Rna</i> , 2016, 22, 184-192.	1.6	18
88	The role of microRNAs in the development and progression of chemical-associated cancers. <i>Toxicology and Applied Pharmacology</i> , 2016, 312, 3-10.	1.3	20
89	Macrophage miRNAs in atherosclerosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 2087-2093.	1.2	22
90	Codon Usage and 3â€² UTR Length Determine Maternal mRNA Stability in Zebrafish. <i>Molecular Cell</i> , 2016, 61, 874-885.	4.5	229
91	Regulation of mammalian transcription and splicing by Nuclear RNAi. <i>Nucleic Acids Research</i> , 2016, 44, 524-537.	6.5	104

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92	Recent advances in RNAi-based strategies for therapy and prevention of HIV-1/AIDS. <i>Advanced Drug Delivery Reviews</i> , 2016, 103, 174-186.	6.6	38
93	Clinical evaluation of microRNA-145 expression in renal cell carcinoma: a promising molecular marker for discriminating and staging the clear cell histological subtype. <i>Biological Chemistry</i> , 2016, 397, 529-539.	1.2	18
94	Degradation dynamics of microRNAs revealed by a novel pulse-chase approach. <i>Genome Research</i> , 2016, 26, 554-565.	2.4	155
95	Non-Coding RNAs in Thyroid Cancer. <i>Endocrine Pathology</i> , 2016, 27, 12-20.	5.2	54
96	The oncogenic triangle of HMGA2, LIN28B and IGF2BP1 antagonizes tumor-suppressive actions of the let-7 family. <i>Nucleic Acids Research</i> , 2016, 44, 3845-3864.	6.5	88
97	Identification of RNA-Binding Protein LARP4B as a Tumor Suppressor in Glioma. <i>Cancer Research</i> , 2016, 76, 2254-2264.	0.4	41
98	Understanding Celiac Disease by Genomics. <i>Trends in Genetics</i> , 2016, 32, 295-308.	2.9	78
99	Transfer RNA: From pioneering crystallographic studies to contemporary tRNA biology. <i>Archives of Biochemistry and Biophysics</i> , 2016, 602, 95-105.	1.4	14
100	Mechanisms of Post-transcriptional Gene Regulation. , 2016, , 1-36.		0
101	Evolution and Biological Roles of Alternative 3' UTRs. <i>Trends in Cell Biology</i> , 2016, 26, 227-237.	3.6	271
102	The importance of drug transporters in human pluripotent stem cells and in early tissue differentiation. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2016, 12, 77-92.	1.5	7
103	Analysis of genetics and DNA methylation in osteoarthritis: What have we learnt about the disease?. <i>Seminars in Cell and Developmental Biology</i> , 2017, 62, 57-66.	2.3	75
104	LIN41 Post-transcriptionally Silences mRNAs by Two Distinct and Position-Dependent Mechanisms. <i>Molecular Cell</i> , 2017, 65, 476-489.e4.	4.5	71
105	The clinical significance of platelet microparticle-associated microRNAs. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, 657-666.	1.4	62
106	An Argonaute phosphorylation cycle promotes microRNA-mediated silencing. <i>Nature</i> , 2017, 542, 197-202.	13.7	232
107	Transgenerational function of <i>Tetrahymena</i> Piwi protein Twi8p at distinctive noncoding RNA loci. <i>Rna</i> , 2017, 23, 530-545.	1.6	5
108	Interleukin-17A directly acts on bronchial smooth muscle cells and augments the contractility. <i>Pharmacological Reports</i> , 2017, 69, 377-385.	1.5	22
109	Mutual regulation of microRNAs and DNA methylation in human cancers. <i>Epigenetics</i> , 2017, 12, 187-197.	1.3	116

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110	Nuclear microRNAs in normal hemopoiesis and cancer. <i>Journal of Hematology and Oncology</i> , 2017, 10, 8.	6.9	33
111	Ancestral benzo[a]pyrene exposure affects bone integrity in F3 adult fish ( <i>Oryzias latipes</i> ). <i>Aquatic Toxicology</i> , 2017, 183, 127-134.	1.9	25
112	MicroRNA Biomarkers and Platelet Reactivity. <i>Circulation Research</i> , 2017, 120, 418-435.	2.0	171
113	Noncoding RNA for personalized prostate cancer treatment: utilizing the "dark matters"™ of the genome. <i>Personalized Medicine</i> , 2017, 14, 159-169.	0.8	0
114	microRNAs stimulate translation initiation mediated by HCV-like IRESes. <i>Nucleic Acids Research</i> , 2017, 45, gkw1345.	6.5	12
115	Intersections of post-transcriptional gene regulatory mechanisms with intermediary metabolism. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 349-362.	0.9	14
116	An "alpha-beta"™ of pancreatic islet microribonucleotides. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 88, 208-219.	1.2	21
117	<scp>microRNA</scp>"binding proteins: specificity and function. <i>Wiley Interdisciplinary Reviews RNA</i> , 2017, 8, e1414.	3.2	65
118	MiR-218 targets MeCP2 and inhibits heroin seeking behavior. <i>Scientific Reports</i> , 2017, 7, 40413.	1.6	46
119	Molecular pathogenesis of genetic and sporadic aortic aneurysms and dissections. <i>Current Problems in Surgery</i> , 2017, 54, 95-155.	0.6	44
120	Role of miRNAs in human disease and inborn errors of metabolism. <i>Journal of Inherited Metabolic Disease</i> , 2017, 40, 471-480.	1.7	30
121	Deciphering the mRNP Code: RNA-Bound Determinants of Post-Transcriptional Gene Regulation. <i>Trends in Biochemical Sciences</i> , 2017, 42, 369-382.	3.7	115
122	ATP is dispensable for both miRNA- and Smaug-mediated deadenylation reactions. <i>Rna</i> , 2017, 23, 866-871.	1.6	5
123	The agotrons: Gene regulators or Argonaute protectors?. <i>BioEssays</i> , 2017, 39, 1600239.	1.2	8
124	MicroRNA-143 suppresses oral squamous cell carcinoma cell growth, invasion and glucose metabolism through targeting hexokinase 2. <i>Bioscience Reports</i> , 2017, 37, .	1.1	58
125	Evolution of RNA- and DNA-guided antiviral defense systems in prokaryotes and eukaryotes: common ancestry vs convergence. <i>Biology Direct</i> , 2017, 12, 5.	1.9	90
126	RNA-based recognition and targeting: sowing the seeds of specificity. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 215-228.	16.1	167
127	Exposure to PM2.5 induces aberrant activation of NF- $\kappa$ B in human airway epithelial cells by downregulating miR-331 expression. <i>Environmental Toxicology and Pharmacology</i> , 2017, 50, 192-199.	2.0	64



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128	Responsive Nanocarriers as an Emerging Platform for Cascaded Delivery of Nucleic Acids to Cancer. <i>Advanced Drug Delivery Reviews</i> , 2017, 115, 98-114.	6.6	107
129	The PICK1 Ca <sup>2+</sup> sensor modulates N-methyl-d-aspartate (NMDA) receptor-dependent microRNA-mediated translational repression in neurons. <i>Journal of Biological Chemistry</i> , 2017, 292, 9774-9786.	1.6	11
130	Identification of suitable reference genes for miRNA expression normalization in gastric cancer. <i>Gene</i> , 2017, 621, 59-68.	1.0	18
131	A Compendium of RNA-Binding Proteins that Regulate MicroRNA Biogenesis. <i>Molecular Cell</i> , 2017, 66, 270-284.e13.	4.5	241
132	MicroRNA-211 Regulates Oxidative Phosphorylation and Energy Metabolism in Human Vitiligo. <i>Journal of Investigative Dermatology</i> , 2017, 137, 1965-1974.	0.3	55
133	MicroRNA-223 demonstrated experimentally in exosome-like vesicles is associated with decreased risk of persistent pain after lumbar disc herniation. <i>Journal of Translational Medicine</i> , 2017, 15, 89.	1.8	31
134	RNA stability regulates human T cell leukemia virus type 1 gene expression in chronically-infected CD4 T cells. <i>Virology</i> , 2017, 508, 7-17.	1.1	2
135	Cap-binding protein 4EHP effects translation silencing by microRNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5425-5430.	3.3	93
136	Role of MicroRNAs in Zygotic Genome Activation: Modulation of mRNA During Embryogenesis. <i>Methods in Molecular Biology</i> , 2017, 1605, 31-43.	0.4	10
137	The Rodent-Specific MicroRNA Cluster within the Sfmbt2 Gene Is Imprinted and Essential for Placental Development. <i>Cell Reports</i> , 2017, 19, 949-956.	2.9	44
138	MicroRNA-22-3p as a novel regulator and therapeutic target for autoimmune diseases. <i>International Reviews of Immunology</i> , 2017, 36, 176-181.	1.5	16
139	Peptide-Based Isolation of Argonaute Protein Complexes Using Ago-APP. <i>Methods in Molecular Biology</i> , 2017, 1580, 107-116.	0.4	2
140	FXR1a-associated microRNP: A driver of specialized non-canonical translation in quiescent conditions. <i>RNA Biology</i> , 2017, 14, 137-145.	1.5	10
141	Robust Fuel Catalyzed DNA Molecular Machine for in Vivo MicroRNA Detection. <i>Advanced Biology</i> , 2017, 1, 1700060.	3.0	18
142	Pleiotropic and Adverse Effects of Statins—Do Epigenetics Play a Role?. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 362, 319-326.	1.3	57
143	Mille viae in eukaryotic mRNA decapping. <i>Current Opinion in Structural Biology</i> , 2017, 47, 40-51.	2.6	24
144	Split-BioID a conditional proteomics approach to monitor the composition of spatiotemporally defined protein complexes. <i>Nature Communications</i> , 2017, 8, 15690.	5.8	146
145	LIN-41 and OMA Ribonucleoprotein Complexes Mediate a Translational Repression-to-Activation Switch Controlling Oocyte Meiotic Maturation and the Oocyte-to-Embryo Transition in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2017, 206, 2007-2039.	1.2	52

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146	MicroRNAs in gynecological cancers: Small molecules with big implications. <i>Cancer Letters</i> , 2017, 407, 123-138.	3.2	83
147	Pervasive yet nonuniform contributions of Dcp2 and Cnot7 to maternal mRNA clearance in zebrafish. <i>Genes To Cells</i> , 2017, 22, 670-678.	0.5	10
148	Inhibition of miR-143 during ischemia cerebral injury protects neurones through recovery of the hexokinase 2-mediated glucose uptake. <i>Bioscience Reports</i> , 2017, 37, .	1.1	26
149	MicroRNA-126 participates in lipid metabolism in mammary epithelial cells. <i>Molecular and Cellular Endocrinology</i> , 2017, 454, 77-86.	1.6	21
150	MicroRNAs in Pregnancy and Gestational Diabetes Mellitus: Emerging Role in Maternal Metabolic Regulation. <i>Current Diabetes Reports</i> , 2017, 17, 35.	1.7	58
151	Functional variomics and network perturbation: connecting genotype to phenotype in cancer. <i>Nature Reviews Genetics</i> , 2017, 18, 395-410.	7.7	84
152	Dissecting miRNA gene repression on single cell level with an advanced fluorescent reporter system. <i>Scientific Reports</i> , 2017, 7, 45197.	1.6	14
154	Traversing the RNA world. <i>Journal of Biological Chemistry</i> , 2017, 292, 8122-8135.	1.6	2
155	Hypothesis: Exosomal microRNAs as potential biomarkers for schizophrenia. <i>Medical Hypotheses</i> , 2017, 103, 21-25.	0.8	8
156	microRNAs as players and signals in the metastatic cascade: Implications for the development of novel anti-metastatic therapies. <i>Seminars in Cancer Biology</i> , 2017, 44, 132-140.	4.3	42
157	miR-1247 blocks SOX9-mediated regeneration in alcohol- and fibrosis-associated acute kidney injury in mice. <i>Toxicology</i> , 2017, 384, 40-49.	2.0	12
158	Drug Target miRNA. <i>Methods in Molecular Biology</i> , 2017, , .	0.4	2
159	Peptide-Based Inhibition of miRNA-Guided Gene Silencing. <i>Methods in Molecular Biology</i> , 2017, 1517, 199-210.	0.4	3
160	Reversible methylation of m6Am in the 5' cap controls mRNA stability. <i>Nature</i> , 2017, 541, 371-375.	13.7	797
161	microRNAs in lipoprotein and lipid metabolism: from biological function to clinical application. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, 667-686.	1.4	36
162	ALG-5 is a miRNA-associated Argonaute required for proper developmental timing in the <i>Caenorhabditis elegans</i> germline. <i>Nucleic Acids Research</i> , 2017, 45, 9093-9107.	6.5	53
163	Sex-biased microRNA expression in mammals and birds reveals underlying regulatory mechanisms and a role in dosage compensation. <i>Genome Research</i> , 2017, 27, 1961-1973.	2.4	42
164	Endogenous miRNA in the green alga <i>Chlamydomonas</i> regulates gene expression through CDS-targeting. <i>Nature Plants</i> , 2017, 3, 787-794.	4.7	36

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165	A Macro View of MicroRNAs: The Discovery of MicroRNAs and Their Role in Hematopoiesis and Hematologic Disease. <i>International Review of Cell and Molecular Biology</i> , 2017, 334, 99-175.	1.6	58
166	Varicella-Zoster Virus Expresses Multiple Small Noncoding RNAs. <i>Journal of Virology</i> , 2017, 91, .	1.5	24
167	A DGCR8-Independent Stable MicroRNA Expression Strategy Reveals Important Functions of miR-290 and miR-183â€™182 Families in Mouse Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2017, 9, 1618-1629.	2.3	17
168	MiR-513c suppresses neuroblastoma cell migration, invasion, and proliferation through direct targeting glutaminase (GLS). <i>Cancer Biomarkers</i> , 2017, 20, 589-596.	0.8	29
169	TRPA1â€™FGFR2 binding event is a regulatory oncogenic driver modulated by miRNA-142-3p. <i>Nature Communications</i> , 2017, 8, 947.	5.8	56
170	TNF-Î±-induced miR-155 regulates IL-6 signaling in rheumatoid synovial fibroblasts. <i>BMC Research Notes</i> , 2017, 10, 403.	0.6	42
171	Human Argonaute3 has slicer activity. <i>Nucleic Acids Research</i> , 2017, 45, 11867-11877.	6.5	86
172	MicroRNAs in glioblastoma pathogenesis and therapy: A comprehensive review. <i>Critical Reviews in Oncology/Hematology</i> , 2017, 120, 22-33.	2.0	92
173	An integrated expression atlas of miRNAs and their promoters in human and mouse. <i>Nature Biotechnology</i> , 2017, 35, 872-878.	9.4	456
174	Extracellular superoxide dismutase and its role in cancer. <i>Free Radical Biology and Medicine</i> , 2017, 112, 464-479.	1.3	131
175	A comprehensive review of web-based non-coding RNA resources for cancer research. <i>Cancer Letters</i> , 2017, 407, 1-8.	3.2	63
176	Epigenetics in Liver Fibrosis. <i>Seminars in Liver Disease</i> , 2017, 37, 219-230.	1.8	19
177	miRNA profiling for diagnosis, prognosis and stratification of cancer treatment in cholangiocarcinoma. <i>Pharmacogenomics</i> , 2017, 18, 1343-1358.	0.6	45
178	Attenuation of <i>miR-34a</i> protects cardiomyocytes against hypoxic stress through maintenance of glycolysis. <i>Bioscience Reports</i> , 2017, 37, .	1.1	15
179	MicroRNA-132 promotes fibroblast migration via regulating RAS p21 protein activator 1 in skin wound healing. <i>Scientific Reports</i> , 2017, 7, 7797.	1.6	36
180	Integrated Venomics and Venom Gland Transcriptome Analysis of Juvenile and Adult Mexican Rattlesnakes <i>Crotalus simus</i> , <i>C. tzabcan</i> , and <i>C. culminatus</i> Revealed miRNA-modulated Ontogenetic Shifts. <i>Journal of Proteome Research</i> , 2017, 16, 3370-3390.	1.8	82
181	Translating ceRNA Susceptibilities into Correlation Functions. <i>Biophysical Journal</i> , 2017, 113, 206-213.	0.2	6
182	Regulatory Role of the MicroRNA-29b-IL-6 Signaling in the Formation of Vascular Mimicry. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 8, 90-100.	2.3	14

#	ARTICLE	IF	CITATIONS
183	MicroRNAs recruit eIF4E2 to repress translation of target mRNAs. <i>Protein and Cell</i> , 2017, 8, 750-761.	4.8	24
184	Dysregulated miRNAs and their pathogenic implications for the neurometabolic disease propionic acidemia. <i>Scientific Reports</i> , 2017, 7, 5727.	1.6	16
185	Combination of ginsenoside Rb1 and Rd protects the retina against bright light-induced degeneration. <i>Scientific Reports</i> , 2017, 7, 6015.	1.6	15
186	Structural Foundations of RNA Silencing by Argonaute. <i>Journal of Molecular Biology</i> , 2017, 429, 2619-2639.	2.0	118
188	Robust, Cost-Effective Profiling of RNA Binding Protein Targets with Single-end Enhanced Crosslinking and Immunoprecipitation (seCLIP). <i>Methods in Molecular Biology</i> , 2017, 1648, 177-200.	0.4	78
189	Multivalent Recruitment of Human Argonaute by GW182. <i>Molecular Cell</i> , 2017, 67, 646-658.e3.	4.5	81
190	CRISPR-Cas9-mediated functional dissection of 3'-UTRs. <i>Nucleic Acids Research</i> , 2017, 45, 10800-10810.	6.5	39
191	MicroRNA-132 with Therapeutic Potential in Chronic Wounds. <i>Journal of Investigative Dermatology</i> , 2017, 137, 2630-2638.	0.3	68
192	Valproic acid exposure decreases the mRNA stability of Bcl-2 via up-regulating miR-34a in the cerebellum of rat. <i>Neuroscience Letters</i> , 2017, 657, 159-165.	1.0	13
193	Neuronal function of the mRNA decapping complex determines survival of <i>Caenorhabditis elegans</i> at high temperature through temporal regulation of heterochronic gene expression. <i>Open Biology</i> , 2017, 7, 160313.	1.5	4
194	Interaction of RNA-binding protein HuR and miR-466i regulates GM-CSF expression. <i>Scientific Reports</i> , 2017, 7, 17233.	1.6	19
195	mTORC1 suppresses PIM3 expression via miR-33 encoded by the SREBP loci. <i>Scientific Reports</i> , 2017, 7, 16112.	1.6	9
196	MiR-138-5p targeting LIMK1 suppresses breast cancer cell proliferation and motility. <i>RSC Advances</i> , 2017, 7, 52030-52038.	1.7	7
197	Cardiac myocyte miR-29 promotes pathological remodeling of the heart by activating Wnt signaling. <i>Nature Communications</i> , 2017, 8, 1614.	5.8	172
198	Diagnostic value of blood-derived microRNAs for schizophrenia: results of a meta-analysis and validation. <i>Scientific Reports</i> , 2017, 7, 15328.	1.6	50
199	Short poly(A) tails are a conserved feature of highly expressed genes. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 1057-1063.	3.6	200
200	Phosphorylation of Argonaute proteins affects mRNA binding and is essential for microRNA-guided gene silencing in vivo. <i>EMBO Journal</i> , 2017, 36, 2088-2106.	3.5	69
201	Adipose-derived exosomal MicroRNAs orchestrate gene regulation in the liver: Is this the missing link in nonalcoholic fatty liver disease?. <i>Hepatology</i> , 2017, 66, 1689-1691.	3.6	6

#	ARTICLE	IF	CITATIONS
202	MicroRNA-93 elevation after myocardial infarction is cardiac protective. <i>Medical Hypotheses</i> , 2017, 106, 23-25.	0.8	24
203	Identification of heat-responsive miRNAs to reveal the miRNA-mediated regulatory network of heat stress response in <i>Betula luminifera</i> . <i>Trees - Structure and Function</i> , 2017, 31, 1635-1652.	0.9	29
204	Pnc2 regulates 3'UTR-mediated decay of segmentation clock-associated transcripts during zebrafish segmentation. <i>Developmental Biology</i> , 2017, 429, 225-239.	0.9	6
205	Altered microRNA and Piwi-interacting RNA profiles in cumulus cells from patients with diminished ovarian reserve. <i>Biology of Reproduction</i> , 2017, 97, 91-103.	1.2	16
206	An ectopically expressed serum miRNA signature is prognostic, diagnostic, and biologically related to liver allograft rejection. <i>Hepatology</i> , 2017, 65, 269-280.	3.6	53
207	The organization and regulation of mRNA-protein complexes. <i>Wiley Interdisciplinary Reviews RNA</i> , 2017, 8, e1369.	3.2	68
208	MicroRNA-17-5p: At the Crossroads of Cancer and Aging - A Mini-Review. <i>Gerontology</i> , 2017, 63, 20-28.	1.4	53
209	Conservation of miRNA-mediated silencing mechanisms across 600 million years of animal evolution. <i>Nucleic Acids Research</i> , 2017, 45, 938-950.	6.5	26
210	Non-coding RNAs as drug targets. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 167-179.	21.5	795
211	True grit: the role of neuronal microRNAs as mediators of stress resilience. <i>Current Opinion in Behavioral Sciences</i> , 2017, 14, 9-18.	2.0	2
212	Emerging Themes in Regulation of Global mRNA Turnover in cis. <i>Trends in Biochemical Sciences</i> , 2017, 42, 16-27.	3.7	36
213	A Seed Mismatch Enhances Argonaute2-Catalyzed Cleavage and Partially Rescues Severely Impaired Cleavage Found in Fish. <i>Molecular Cell</i> , 2017, 68, 1095-1107.e5.	4.5	35
214	Preparation of highly multiplexed small RNA sequencing libraries. <i>BioTechniques</i> , 2017, 63, 57-64.	0.8	8
215	Non-canonical targets destabilize microRNAs in human Argonautes. <i>Nucleic Acids Research</i> , 2017, 45, gkx029.	6.5	48
216	The p38 pathway, a major pleiotropic cascade that transduces stress and metastatic signals in endothelial cells. <i>Oncotarget</i> , 2017, 8, 55684-55714.	0.8	141
217	New tumor suppressor microRNAs target glypican-3 in human liver cancer. <i>Oncotarget</i> , 2017, 8, 41211-41226.	0.8	31
218	Making and Maintaining microRNAs in Animals. , 2017, , 1-17.		0
219	Circulating microRNAs as emerging non-invasive biomarkers for gliomas. <i>Annals of Translational Medicine</i> , 2017, 5, 277-277.	0.7	31

#	ARTICLE	IF	CITATIONS
220	miR-192-5p regulates lipid synthesis in non-alcoholic fatty liver disease through SCD-1. <i>World Journal of Gastroenterology</i> , 2017, 23, 8140-8151.	1.4	63
221	New Biotechnological Tools for the Genetic Improvement of Major Woody Fruit Species. <i>Frontiers in Plant Science</i> , 2017, 8, 1418.	1.7	102
222	Delivery of antagomiR204-conjugated gold nanoparticles from PLGA sheets and its implication in promoting osseointegration of titanium implant in type 2 diabetes mellitus. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 7089-7101.	3.3	34
223	In vivo validation of metastasis-regulating microRNA-766 in human triple-negative breast cancer cells. <i>Laboratory Animal Research</i> , 2017, 33, 256.	1.1	14
224	oncoNcRNA: A Web Portal for Exploring the Non-Coding RNAs with Oncogenic Potentials in Human Cancers. <i>Non-coding RNA</i> , 2017, 3, 7.	1.3	4
225	Gold Nanoparticle Approach to the Selective Delivery of Gene Silencing in Cancer—The Case for Combined Delivery?. <i>Genes</i> , 2017, 8, 94.	1.0	82
226	The Pattern of microRNA Binding Site Distribution. <i>Genes</i> , 2017, 8, 296.	1.0	45
227	Plant MicroRNAs—Novel Players in Natural Medicine?. <i>International Journal of Molecular Sciences</i> , 2017, 18, 9.	1.8	76
228	dFmr1 Plays Roles in Small RNA Pathways of <i>Drosophila melanogaster</i> . <i>International Journal of Molecular Sciences</i> , 2017, 18, 1066.	1.8	24
229	Micro-RNAs as Potential Predictors of Response to Breast Cancer Systemic Therapy: Future Clinical Implications. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1182.	1.8	39
230	miR-483-5p plays a protective role in chronic obstructive pulmonary disease. <i>International Journal of Molecular Medicine</i> , 2017, 40, 193-200.	1.8	21
231	MicroRNA Exocytosis by Vesicle Fusion in Neuroendocrine Cells. <i>Frontiers in Endocrinology</i> , 2017, 8, 355.	1.5	7
232	The Emerging Role of Epigenetics in Autoimmune Thyroid Diseases. <i>Frontiers in Immunology</i> , 2017, 8, 396.	2.2	62
233	An Expanded Role for HLA Genes: HLA-B Encodes a microRNA that Regulates IgA and Other Immune Response Transcripts. <i>Frontiers in Immunology</i> , 2017, 8, 583.	2.2	57
234	The Clinical Application of MicroRNAs in Infectious Disease. <i>Frontiers in Immunology</i> , 2017, 8, 1182.	2.2	134
235	Multifaceted Role of Neuropilins in the Immune System: Potential Targets for Immunotherapy. <i>Frontiers in Immunology</i> , 2017, 8, 1228.	2.2	165
236	A Tiny RNA that Packs a Big Punch: The Critical Role of a Viral miR-155 Ortholog in Lymphomagenesis in Marek's Disease. <i>Frontiers in Microbiology</i> , 2017, 8, 1169.	1.5	20
237	MicroRNAs in <i>Taenia solium</i> Neurocysticercosis: Insights as Promising Agents in Host-Parasite Interaction and Their Potential as Biomarkers. <i>Frontiers in Microbiology</i> , 2017, 8, 1905.	1.5	10

#	ARTICLE	IF	CITATIONS
238	Translational Dysregulation in Cancer: Molecular Insights and Potential Clinical Applications in Biomarker Development. <i>Frontiers in Oncology</i> , 2017, 7, 158.	1.3	57
239	miR-155 Inhibits Mouse Osteoblast Differentiation by Suppressing SMAD5 Expression. <i>BioMed Research International</i> , 2017, 2017, 1-7.	0.9	38
240	Analysis of Argonaute Complex Bound mRNAs in DU145 Prostate Carcinoma Cells Reveals New miRNA Target Genes. <i>Prostate Cancer</i> , 2017, 2017, 1-12.	0.4	3
241	Nucleic Acid-Based Theranostics for Tackling Alzheimer's Disease. <i>Theranostics</i> , 2017, 7, 3933-3947.	4.6	27
242	NRDTD: a database for clinically or experimentally supported non-coding RNAs and drug targets associations. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	1.4	60
243	Identification and Analysis of P53-Mediated Competing Endogenous RNA Network in Human Hepatocellular Carcinoma. <i>International Journal of Biological Sciences</i> , 2017, 13, 1213-1221.	2.6	20
244	New roles for nuclear EGFR in regulating the stability and translation of mRNAs associated with VEGF signaling. <i>PLoS ONE</i> , 2017, 12, e0189087.	1.1	18
245	Differential Sensitivity of Target Genes to Translational Repression by miR-17~92. <i>PLoS Genetics</i> , 2017, 13, e1006623.	1.5	31
246	unitas: the universal tool for annotation of small RNAs. <i>BMC Genomics</i> , 2017, 18, 644.	1.2	105
247	MicroRNA profiling of dogs with transitional cell carcinoma of the bladder using blood and urine samples. <i>BMC Veterinary Research</i> , 2017, 13, 339.	0.7	15
248	The influence of microRNAs and poly(A) tail length on endogenous mRNA-protein complexes. <i>Genome Biology</i> , 2017, 18, 211.	3.8	46
249	miRNA in Neuronal Networks Maturation and Plasticity. , 2017, , 211-224.		1
250	Low expression of microRNA-320b correlates with tumorigenesis and unfavorable prognosis in glioma. <i>Oncology Reports</i> , 2017, 38, 959-966.	1.2	32
251	Integrative testis transcriptome analysis reveals differentially expressed miRNAs and their mRNA targets during early puberty in Atlantic salmon. <i>BMC Genomics</i> , 2017, 18, 801.	1.2	34
252	Comparative study of joint bioinformatics analysis of underlying potential of neurimmiR™, miR-212-3P/miR-132-3P, being involved in epilepsy and its emerging role in human cancer. <i>Oncotarget</i> , 2017, 8, 40668-40682.	0.8	19
253	Long noncoding RNA complementarity and target transcripts abundance. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 224-234.	0.9	16
254	AntogomiR-451 protects human gastric epithelial cells from ethanol via activating AMPK signaling. <i>Biochemical and Biophysical Research Communications</i> , 2018, 497, 339-346.	1.0	7
255	Decreased neutrophil-associated miRNA and increased B-cell associated miRNA expression during tuberculosis. <i>Gene</i> , 2018, 655, 35-41.	1.0	20



#	ARTICLE	IF	CITATIONS
256	Downregulation of exosomal miR-204-5p and miR-632 as a biomarker for FTD: a GENFI study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 851-858.	0.9	37
257	MicroRNA-221 may be involved in lipid metabolism in mammary epithelial cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 97, 118-127.	1.2	27
258	Systems analysis of dilated cardiomyopathy in the next generation sequencing era. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2018, 10, e1419.	6.6	12
259	New Insights: MicroRNA Function in CNS Development and Psychiatric Diseases. <i>Current Pharmacology Reports</i> , 2018, 4, 132-144.	1.5	5
260	Novel and Haplotype Specific MicroRNAs Encoded by the Major Histocompatibility Complex. <i>Scientific Reports</i> , 2018, 8, 3832.	1.6	23
261	The development of a sensitive fluorescent protein-based transcript reporter for high throughput screening of negative modulators of lncRNAs. <i>Genes and Diseases</i> , 2018, 5, 62-74.	1.5	18
262	Structure of the activated Edc1-Dcp1-Dcp2-Edc3 mRNA decapping complex with substrate analog poised for catalysis. <i>Nature Communications</i> , 2018, 9, 1152.	5.8	38
263	MicroRNA networks associated with active systemic juvenile idiopathic arthritis regulate CD163 expression and anti-inflammatory functions in macrophages through two distinct mechanisms. <i>Journal of Leukocyte Biology</i> , 2018, 103, 71-85.	1.5	19
264	MicroRNAs: crucial regulators of placental development. <i>Reproduction</i> , 2018, 155, R259-R271.	1.1	125
265	Down-regulated serum miR-126 is associated with aggressive progression and poor prognosis of gastric cancer. <i>Cancer Biomarkers</i> , 2018, 22, 119-126.	0.8	10
266	MicroRNA-223 Suppresses the Canonical NF- $\kappa$ B Pathway in Basal Keratinocytes to Dampen Neutrophilic Inflammation. <i>Cell Reports</i> , 2018, 22, 1810-1823.	2.9	103
267	Epigenetic effects of metformin: From molecular mechanisms to clinical implications. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1553-1562.	2.2	138
268	High-Density Proximity Mapping Reveals the Subcellular Organization of mRNA-Associated Granules and Bodies. <i>Molecular Cell</i> , 2018, 69, 517-532.e11.	4.5	583
269	Argonaute 2 Is Required for Extra-embryonic Endoderm Differentiation of Mouse Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2018, 10, 461-476.	2.3	32
270	Loss of heterozygosity of MIR15A/MIR16-1, negative regulators of the antiapoptotic gene BCL2, is not common in odontogenic keratocysts. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2018, 125, 313-316.	0.2	2
271	MicroRNA-Based Drugs for Brain Tumors. <i>Trends in Cancer</i> , 2018, 4, 222-238.	3.8	54
272	Identifying small RNAs derived from maternal- and somatic-type rRNAs in zebrafish development. <i>Genome</i> , 2018, 61, 371-378.	0.9	23
273	microRNA-130a suppresses breast cancer cell migration and invasion by targeting FOSL1 and upregulating ZO-1. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 4945-4956.	1.2	67



#	ARTICLE	IF	CITATIONS
274	Unraveling the determinants of microRNA mediated regulation using a massively parallel reporter assay. <i>Nature Communications</i> , 2018, 9, 529.	5.8	36
275	The CCR4-NOT deadenylase complex controls Atg7-dependent cell death and heart function. <i>Science Signaling</i> , 2018, 11, .	1.6	51
276	circHIPK3 regulates cell proliferation and migration by sponging miR-124 and regulating AQP3 expression in hepatocellular carcinoma. <i>Cell Death and Disease</i> , 2018, 9, 175.	2.7	237
277	Integrated miRNA-mRNA spatial signature for oral squamous cell carcinoma: a prospective profiling study of Narrow Band Imaging guided resection. <i>Scientific Reports</i> , 2018, 8, 823.	1.6	22
278	miR-663 sustains NSCLC by inhibiting mitochondrial outer membrane permeabilization (MOMP) through PUMA/BBC3 and BTG2. <i>Cell Death and Disease</i> , 2018, 9, 49.	2.7	26
279	Potential Role of Extracellular Vesicles in the Pathophysiology of Drug Addiction. <i>Molecular Neurobiology</i> , 2018, 55, 6906-6913.	1.9	20
280	The dynamic recruitment of <scp>TRBP</scp> to neuronal membranes mediates dendritogenesis during development. <i>EMBO Reports</i> , 2018, 19, .	2.0	26
281	Dysregulated Expression of the MicroRNA miR-137 and Its Target YBX1 Contribute to the Invasive Characteristics of Malignant Pleural Mesothelioma. <i>Journal of Thoracic Oncology</i> , 2018, 13, 258-272.	0.5	40
282	DNA Methylation in Stroke. Update of Latest Advances. <i>Computational and Structural Biotechnology Journal</i> , 2018, 16, 1-5.	1.9	29
283	Function Control of Anti-microRNA Oligonucleotides Using Interstrand Cross-Linked Duplexes. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 10, 64-74.	2.3	28
284	Drosophila Bag-of-marbles directly interacts with the CAF40 subunit of the CCR4â€“NOT complex to elicit repression of mRNA targets. <i>Rna</i> , 2018, 24, 381-395.	1.6	35
285	Expression of Alternative Ago2 Isoform Associated with Loss of microRNA-Driven Translational Repression in Mouse Oocytes. <i>Current Biology</i> , 2018, 28, 296-302.e3.	1.8	20
286	mirDIP 4.1â€“integrative database of human microRNA target predictions. <i>Nucleic Acids Research</i> , 2018, 46, D360-D370.	6.5	430
287	MiRâ€“492 regulates metastatic properties of hepatoblastoma via <scp>CD</scp>44. <i>Liver International</i> , 2018, 38, 1280-1291.	1.9	32
288	Non-coding RNAs in hepatocellular carcinoma: molecular functions and pathological implications. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018, 15, 137-151.	8.2	325
289	miRNAs As Critical Epigenetic Players in Determining Neurobiological Correlates of Major Depressive Disorder. , 2018, , 51-69.		2
290	Assessing miRNAs profile expression as a risk stratification biomarker in oral potentially malignant disorders: A systematic review. <i>Oral Oncology</i> , 2018, 77, 57-82.	0.8	35
291	<scp>NMDAR</scp> â€“dependent Argonaute 2 phosphorylation regulates mi <scp>RNA</scp> activity and dendritic spine plasticity. <i>EMBO Journal</i> , 2018, 37, .	3.5	32

#	ARTICLE	IF	CITATIONS
292	A multiplatform approach identifies miR-152-3p as a common epigenetically regulated onco-suppressor in prostate cancer targeting TMEM97. <i>Clinical Epigenetics</i> , 2018, 10, 40.	1.8	39
293	Co-sequencing and novel delayed anti-correlation identify function for pancreatic enriched microRNA biomarkers in a rat model of acute pancreatic injury. <i>BMC Genomics</i> , 2018, 19, 297.	1.2	4
294	Regulation of primary microRNA processing. <i>FEBS Letters</i> , 2018, 592, 1980-1996.	1.3	57
295	MicroRNAs in hereditary and sporadic premature aging syndromes and other laminopathies. <i>Aging Cell</i> , 2018, 17, e12766.	3.0	13
296	MicroRNA Expression Levels Are Altered in the Cerebrospinal Fluid of Patients with Young-Onset Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2018, 55, 8826-8841.	1.9	111
297	Transmission of microRNA antimicroRNAs to mouse offspring via the maternal-placental-fetal unit. <i>Rna</i> , 2018, 24, 865-879.	1.6	5
298	Overexpression of miR-202 resensitizes imatinib resistant chronic myeloid leukemia cells through targeting Hexokinase 2. <i>Bioscience Reports</i> , 2018, 38, .	1.1	21
299	MiR-125b Inhibits LPS-Induced Inflammatory Injury via Targeting MIP-1 $\alpha$ in Chondrogenic Cell ATDC5. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 2305-2316.	1.1	22
300	Expression of miR-200a and chemotherapeutic treatment efficacy of glioma. <i>Oncology Letters</i> , 2018, 15, 5767-5771.	0.8	8
301	Phase Transitions in the Assembly and Function of Human miRISC. <i>Cell</i> , 2018, 173, 946-957.e16.	13.5	205
302	Metazoan MicroRNAs. <i>Cell</i> , 2018, 173, 20-51.	13.5	2,775
303	Anti-miRNA oligonucleotides: A comprehensive guide for design. <i>RNA Biology</i> , 2018, 15, 338-352.	1.5	172
304	<i>Magnaporthe oryzae</i> Induces the Expression of a MicroRNA to Suppress the Immune Response in Rice. <i>Plant Physiology</i> , 2018, 177, 352-368.	2.3	120
305	Epigenetic mechanisms in amyotrophic lateral sclerosis: A short review. <i>Mechanisms of Ageing and Development</i> , 2018, 174, 103-110.	2.2	16
306	Epigenetic and Epitranscriptomic Factors Make a Mark on Hematopoietic Stem Cell Development. <i>Current Stem Cell Reports</i> , 2018, 4, 22-32.	0.7	7
307	Shear stress: An essential driver of endothelial progenitor cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 118, 46-69.	0.9	51
308	Expression and promoter methylation status of two DNA repair genes in leukocytes from patients undergoing propofol or isoflurane anaesthesia. <i>Mutagenesis</i> , 2018, 33, 147-152.	1.0	10
309	The microbiome regulates amygdala-dependent fear recall. <i>Molecular Psychiatry</i> , 2018, 23, 1134-1144.	4.1	146

#	ARTICLE	IF	CITATIONS
310	Analysis of MicroRNA-Mediated Translation Activation of In Vitro Transcribed Reporters in Quiescent Cells. <i>Methods in Molecular Biology</i> , 2018, 1686, 251-264.	0.4	4
311	MicroRNA-21 and Dicer are dispensable for hepatic stellate cell activation and the development of liver fibrosis. <i>Hepatology</i> , 2018, 67, 2414-2429.	3.6	64
312	MicroRNA. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1202-1207.	1.5	1,587
313	A microRNA signature from serum exosomes of patients with glioma as complementary diagnostic biomarker. <i>Journal of Neuro-Oncology</i> , 2018, 136, 51-62.	1.4	125
314	TDP-43 regulates cancer-associated microRNAs. <i>Protein and Cell</i> , 2018, 9, 848-866.	4.8	35
315	Argonaute Proteins. <i>Methods in Molecular Biology</i> , 2018, , .	0.4	2
317	Cellular Approaches in Investigating Argonaute2-Dependent RNA Silencing. <i>Methods in Molecular Biology</i> , 2018, 1680, 205-215.	0.4	1
318	Locked nucleic acid: modality, diversity, and drug discovery. <i>Drug Discovery Today</i> , 2018, 23, 101-114.	3.2	153
319	MicroRNA-induced silencing in epilepsy: Opportunities and challenges for clinical application. <i>Developmental Dynamics</i> , 2018, 247, 94-110.	0.8	53
320	miR-15b negatively correlates with lipid metabolism in mammary epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 314, C43-C52.	2.1	28
321	Dysregulation of miR-126/Crk protein axis predicts poor prognosis in gastric cancer patients. <i>Cancer Biomarkers</i> , 2018, 21, 335-343.	0.8	16
322	MicroRNA-145 Antagonism Reverses TGF- $\beta$ 2 Inhibition of F508del CFTR Correction in Airway Epithelia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 632-643.	2.5	68
323	MicroRNA dynamics at the onset of primordial germ and somatic cell sex differentiation during mouse embryonic gonad development. <i>Rna</i> , 2018, 24, 287-303.	1.6	32
324	MicroRNA-based therapeutics in cardiovascular disease: screening and delivery to the target. <i>Biochemical Society Transactions</i> , 2018, 46, 11-21.	1.6	115
325	Cartilage MicroRNA Dysregulation During the Onset and Progression of Mouse Osteoarthritis Is Independent of Aggrecanolytic and Overlaps With Candidates From End-stage Human Disease. <i>Arthritis and Rheumatology</i> , 2018, 70, 383-395.	2.9	21
326	Differential miRNA expression profiling reveals miR-205-3p to be a potential radiosensitizer for low-dose ionizing radiation in DLD-1 cells. <i>Oncotarget</i> , 2018, 9, 26387-26405.	0.8	6
327	Target RNA-directed microRNA degradation; which controls which?. <i>Non-coding RNA Investigation</i> , 2018, 2, 62-62.	0.6	8
328	MiR-199a mediated the dissemination of human mantle cell lymphoma by interacting with the CCR7/CCL21 pair. <i>Anti-Cancer Drugs</i> , 2018, 29, 861-870.	0.7	8

#	ARTICLE	IF	CITATIONS
329	Micro-RNA. , 2018, , 1-1.		0
330	Curcumin improves perfusion recovery in experimental peripheral arterial disease by upregulating microRNA-93 expression. <i>Experimental and Therapeutic Medicine</i> , 2019, 17, 798-802.	0.8	10
331	Approaching miRNA Family Classification Through Constructive Neural Networks. , 2018, , .		0
332	Role of miR-2909 in Prostate Carcinogenesis. , 2018, , .		0
333	The landscape of miRNA-related ceRNA networks for marking different renal cell carcinoma subtypes. <i>Briefings in Bioinformatics</i> , 2018, , .	3.2	5
334	MicroRNA-599 targets high-mobility group AT-hook 2 to inhibit cell proliferation and invasion in clear cell renal carcinoma. <i>Molecular Medicine Reports</i> , 2018, 17, 7451-7459.	1.1	13
335	MicroRNA profiling of cerebrospinal fluid from patients with intracerebral haemorrhage. <i>Frontiers in Laboratory Medicine</i> , 2018, 2, 141-145.	1.7	5
336	Targeting Non-coding RNA in Vascular Biology and Disease. <i>Frontiers in Physiology</i> , 2018, 9, 1655.	1.3	50
337	MiR-27b regulates podocyte survival through targeting adenosine receptor 2B in podocytes from non-human primate. <i>Cell Death and Disease</i> , 2018, 9, 1133.	2.7	8
338	Paternally Mediated Developmental Toxicity. , 2018, , 100-117.		2
339	MicroRNAs as a Potential Target for Cancer Therapy. <i>Journal of Cancer Science &amp; Therapy</i> , 2018, 10, .	1.7	1
340	The pro-metastasis effect of circANKS1B in breast cancer. <i>Molecular Cancer</i> , 2018, 17, 160.	7.9	219
341	A potential role of extended simple sequence repeats in competing endogenous RNA crosstalk. <i>RNA Biology</i> , 2018, 15, 1399-1409.	1.5	20
342	The role of 3' end uridylation in RNA metabolism and cellular physiology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20180171.	1.8	27
343	Spatial Organization of Single mRNPs at Different Stages of the Gene Expression Pathway. <i>Molecular Cell</i> , 2018, 72, 727-738.e5.	4.5	112
344	Complex regulation of microRNAs in roots of competitively-grown isogenic <i>Nicotiana attenuata</i> plants with different capacities to interact with arbuscular mycorrhizal fungi. <i>BMC Genomics</i> , 2018, 19, 937.	1.2	17
345	Circular RNA CpG island hypermethylation-associated silencing in human cancer. <i>Oncotarget</i> , 2018, 9, 29208-29219.	0.8	35
346	Kinetics of the chromosome 14 microRNA cluster ortholog and its potential role during placental development in the pregnant mare. <i>BMC Genomics</i> , 2018, 19, 954.	1.2	23

#	ARTICLE	IF	CITATIONS
347	Critical role of tristetraprolin and AU-rich element RNA-binding protein 1 in the suppression of cancer cell growth by globular adiponectin. <i>FEBS Open Bio</i> , 2018, 8, 1964-1976.	1.0	4
348	Pan-cancer characterisation of microRNA across cancer hallmarks reveals microRNA-mediated downregulation of tumour suppressors. <i>Nature Communications</i> , 2018, 9, 5228.	5.8	110
349	Structural and molecular mechanisms for the control of eukaryotic 5' to 3' mRNA decay. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 1077-1085.	3.6	89
350	Epigenetic regulator UHRF1 inactivates REST and growth suppressor gene expression via DNA methylation to promote axon regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12417-E12426.	3.3	54
351	Bone protection by inhibition of microRNA-182. <i>Nature Communications</i> , 2018, 9, 4108.	5.8	71
352	Regulatory roles of vertebrate Nocturnin: insights and remaining mysteries. <i>RNA Biology</i> , 2018, 15, 1255-1267.	1.5	10
353	The DEAD-box RNA-binding protein DDX6 regulates parental RNA decay for cellular reprogramming to pluripotency. <i>PLoS ONE</i> , 2018, 13, e0203708.	1.1	11
354	Next generation MicroRNA sequencing to identify coronary artery disease patients at risk of recurrent myocardial infarction. <i>Atherosclerosis</i> , 2018, 278, 232-239.	0.4	26
355	A novel class of microRNA-recognition elements that function only within open reading frames. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 1019-1027.	3.6	134
356	microRNA-9 selectively targets LMX1A to promote gastric cancer cell progression. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 405-412.	1.0	17
357	Roquin targets mRNAs in a 3'-UTR-specific manner by different modes of regulation. <i>Nature Communications</i> , 2018, 9, 3810.	5.8	40
358	MicroRNAs from plants to animals, do they define a new messenger for communication?. <i>Nutrition and Metabolism</i> , 2018, 15, 68.	1.3	94
359	Predicting microRNA targeting efficacy in <i>Drosophila</i> . <i>Genome Biology</i> , 2018, 19, 152.	3.8	91
360	miR-126: An indicator of poor prognosis and recurrence in histologically lymph node-negative gastric cancer. <i>Cancer Biomarkers</i> , 2018, 23, 437-445.	0.8	10
361	Target RNAs Strike Back on MicroRNAs. <i>Frontiers in Genetics</i> , 2018, 9, 435.	1.1	69
362	Orchestrated Role of microRNAs in Skin Development and Regeneration. <i>Contributions To Management Science</i> , 2018, , 175-196.	0.4	0
363	Intracytoplasmic Re-localization of miRISC Complexes. <i>Frontiers in Genetics</i> , 2018, 9, 403.	1.1	16
364	MicroRNA therapeutics: design of single-stranded miR-216b mimics to target <i>KRAS</i> in pancreatic cancer cells. <i>RNA Biology</i> , 2018, 15, 1273-1285.	1.5	29

#	ARTICLE	IF	CITATIONS
365	The central region of CNOT1 and CNOT9 stimulates deadenylation by the Ccr4–Not nuclease module. <i>Biochemical Journal</i> , 2018, 475, 3437-3450.	1.7	19
366	Progress of Genomics in Hypertension–Cardiac Hypertrophy. <i>Translational Bioinformatics</i> , 2018, , 179-217.	0.0	0
367	Targeting ninjurin 2 by miR-764 regulates hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )-induced neuronal cell death. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 1180-1188.	1.0	19
369	Antagonistic and cooperative AGO2-PUM interactions in regulating mRNAs. <i>Scientific Reports</i> , 2018, 8, 15316.	1.6	28
370	miRISC Composition Determines Target Fates in Time and Space. <i>Developmental Cell</i> , 2018, 47, 142-143.	3.1	4
371	Editorial: MicroRNAs as New Players in Endocrinology. <i>Frontiers in Endocrinology</i> , 2018, 9, 459.	1.5	22
372	Venom gland transcriptomics and microRNA profiling of juvenile and adult yellow-bellied sea snake, <i>Hydrophis platurus</i> , from Playa del Coco (Guanacaste, Costa Rica). <i>Toxicon</i> , 2018, 153, 96-105.	0.8	14
373	Epigenetic Regulation of Skin Development and Regeneration. <i>Pancreatic Islet Biology</i> , 2018, , .	0.1	0
374	Deciphering the Far-Reaching Functions of Non-coding RNA in Colorectal Cancer. <i>Current Colorectal Cancer Reports</i> , 2018, 14, 115-127.	1.0	0
375	Somatic and Germline MicroRNAs Form Distinct Silencing Complexes to Regulate Their Target mRNAs Differently. <i>Developmental Cell</i> , 2018, 47, 239-247.e4.	3.1	55
376	Hepatic Ago2-mediated RNA silencing controls energy metabolism linked to AMPK activation and obesity-associated pathophysiology. <i>Nature Communications</i> , 2018, 9, 3658.	5.8	29
377	Identification and Functional Evaluation of miR-4633-5p as a Biomarker and Tumor Suppressor in Metastatic Melanoma. <i>Cellular Physiology and Biochemistry</i> , 2018, 49, 1364-1379.	1.1	7
378	Dissecting newly transcribed and old RNA using GRAND-SLAM. <i>Bioinformatics</i> , 2018, 34, i218-i226.	1.8	79
379	Are microRNAs Important Players in HIV-1 Infection? An Update. <i>Viruses</i> , 2018, 10, 110.	1.5	61
380	The pattern of a broken heart: Can circulating miRs help to distinguish cardiac pathologies from normal post-exercise recovery?. <i>International Journal of Cardiology</i> , 2018, 264, 145-146.	0.8	0
381	microRNA-608 inhibits human hepatocellular carcinoma cell proliferation via targeting the BET family protein BRD4. <i>Biochemical and Biophysical Research Communications</i> , 2018, 501, 1060-1067.	1.0	18
382	The evolution of posttranscriptional regulation. <i>Wiley Interdisciplinary Reviews RNA</i> , 2018, 9, e1485.	3.2	45
383	tRNA fragments (tRFs) guide Ago to regulate gene expression post-transcriptionally in a Dicer-independent manner. <i>Rna</i> , 2018, 24, 1093-1105.	1.6	276

#	ARTICLE	IF	CITATIONS
384	Assessing the functional association of intronic miRNAs with their host genes. <i>Rna</i> , 2018, 24, 991-1004.	1.6	43
385	Detection of microRNA-Target Interactions by Chimera PCR (ChimP). <i>Methods in Molecular Biology</i> , 2018, 1823, 153-165.	0.4	3
386	miR-217 Promotes Cardiac Hypertrophy and Dysfunction by Targeting PTEN. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 254-266.	2.3	101
387	Differentially expressed microRNAs associated with changes of transcript levels in detoxification pathways and DDT-resistance in the <i>Drosophila melanogaster</i> strain 91-R. <i>PLoS ONE</i> , 2018, 13, e0196518.	1.1	16
388	Detecting Agotrons in Ago CLIPseq Data. <i>Methods in Molecular Biology</i> , 2018, 1823, 221-232.	0.4	7
389	Opposing roles of microRNA Argonautes during <i>Caenorhabditis elegans</i> aging. <i>PLoS Genetics</i> , 2018, 14, e1007379.	1.5	42
390	miRNA Biogenesis. <i>Methods in Molecular Biology</i> , 2018, , .	0.4	1
391	Skeletal Stem Cells/Bone Marrow Stromal Cells. , 2018, , 241-260.		0
392	MicroRNA-206 suppresses TGF- $\beta$ 2 signalling to limit tumor growth and metastasis in lung adenocarcinoma. <i>Cellular Signalling</i> , 2018, 50, 25-36.	1.7	25
393	Nonprotein-coding RNAs in Fetal Alcohol Spectrum Disorders. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 157, 299-342.	0.9	14
394	Understanding the Neuroepigenetic Constituents of Suicide Brain. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 157, 233-262.	0.9	12
395	Risk factor effect of rs1044165 and rs3745453 as neighboring variants of miR-223, miR-24, miR-23a and miR-27a on the onset of MS disease in Isfahan/Iran. <i>Gene Reports</i> , 2018, 12, 105-108.	0.4	0
396	Tau/DDX6 interaction increases microRNA activity. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 762-772.	0.9	32
397	TGF- $\beta$ 2 signaling alters H4K20me3 status via miR-29 and contributes to cellular senescence and cardiac aging. <i>Nature Communications</i> , 2018, 9, 2560.	5.8	124
398	Translational control of ERK signaling through miRNA/4EHP-directed silencing. <i>ELife</i> , 2018, 7, .	2.8	41
399	Epigenetic Mechanisms in Osteoporosis. , 2018, , 365-388.		3
400	Identification of microRNA Precursor-Associated Proteins. <i>Methods in Molecular Biology</i> , 2018, 1823, 103-114.	0.4	6
401	A mixed antagonistic/synergistic miRNA repression model enables accurate predictions of multi-input miRNA sensor activity. <i>Nature Communications</i> , 2018, 9, 2430.	5.8	35



#	ARTICLE	IF	CITATIONS
402	A comprehensive clinicopathological evaluation of the differential expression of microRNA-331 in breast tumors and its diagnostic significance. <i>Clinical Biochemistry</i> , 2018, 60, 24-32.	0.8	8
403	A Polysome-Based microRNA Screen Identifies miR-24-3p as a Novel Promigratory miRNA in Mesothelioma. <i>Cancer Research</i> , 2018, 78, 5741-5753.	0.4	28
404	Fetal nucleic acids in maternal plasma from biology to clinical translation. <i>Frontiers in Bioscience - Landmark</i> , 2018, 23, 397-431.	3.0	9
405	Tumor necrosis factor-alpha suppresses the invasion of HTR-8/SVneo trophoblast cells through microRNA-145-5p-mediated downregulation of Cyr61. <i>Life Sciences</i> , 2018, 209, 132-139.	2.0	19
406	CD44 Targeted Lipid Nanoparticles for MicroRNA Therapy. <i>Methods in Molecular Biology</i> , 2018, 1831, 95-109.	0.4	2
407	Targeted Drug Delivery. <i>Methods in Molecular Biology</i> , 2018, , .	0.4	1
408	miR-1273g silences MAGEA3/6 to inhibit human colorectal cancer cell growth via activation of AMPK signaling. <i>Cancer Letters</i> , 2018, 435, 1-9.	3.2	42
409	Small RNA-mediated prevention, diagnosis and therapies of cancer. , 2018, , 341-436.		0
410	Cell-Based Reporter System for High-Throughput Screening of MicroRNA Pathway Inhibitors and Its Limitations. <i>Frontiers in Genetics</i> , 2018, 9, 45.	1.1	9
411	Uncovering the Role of RNA-Binding Proteins in Gene Expression in the Immune System. <i>Frontiers in Immunology</i> , 2018, 9, 1094.	2.2	60
412	Dynamic microRNA activity identifies therapeutic targets in trastuzumab-resistant HER2 <sup>+</sup> breast cancer. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2613-2623.	1.7	10
413	Post-Transcriptional Regulation of Anti-Apoptotic BCL2 Family Members. <i>International Journal of Molecular Sciences</i> , 2018, 19, 308.	1.8	114
414	A Comprehensive Analysis of Argonaute-CLIP Data Identifies Novel, Conserved and Species-Specific Targets of miR-21 in Human Liver and Hepatocellular Carcinoma. <i>International Journal of Molecular Sciences</i> , 2018, 19, 851.	1.8	26
415	The Novel miRNA N-72 Regulates EGF-Induced Migration of Human Amnion Mesenchymal Stem Cells by Targeting MMP2. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1363.	1.8	3
416	miR-339-5p negatively regulates louseirin A-induced hair follicle stem cell differentiation by targeting DLX5. <i>Molecular Medicine Reports</i> , 2018, 18, 1279-1286.	1.1	16
417	MicroRNA-644a promotes apoptosis of hepatocellular carcinoma cells by downregulating the expression of heat shock factor 1. <i>Cell Communication and Signaling</i> , 2018, 16, 30.	2.7	19
418	Role of exosomal competing endogenous RNA in patients with hepatocellular carcinoma. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 8600-8610.	1.2	50
419	Noncoding RNA Regulatory Networks, Epigenetics, and Programming Stem Cell Renewal and Differentiation. , 2018, , 903-933.		2



#	ARTICLE	IF	CITATIONS
420	Lamins in Lung Cancer: Biomarkers and Key Factors for Disease Progression through miR-9 Regulation?. <i>Cells</i> , 2018, 7, 78.	1.8	12
421	Expression of miR-106 in endometrial carcinoma RL95-2 cells and effect on proliferation and invasion of cancer cells. <i>Oncology Letters</i> , 2018, 16, 2251-2254.	0.8	6
422	Noncanonical functions of microRNA pathway enzymes – Drosha, DGCR8, Dicer and Ago proteins. <i>FEBS Letters</i> , 2018, 592, 2973-2986.	1.3	88
423	Identification of microRNA signature in different pediatric brain tumors. <i>Genetics and Molecular Biology</i> , 2018, 41, 27-34.	0.6	29
424	Opposing roles of miR-294 and MBNL1/2 in shaping the gene regulatory network of embryonic stem cells. <i>EMBO Reports</i> , 2018, 19, .	2.0	15
425	NMDA receptor-dependent dephosphorylation of serine 387 in Argonaute 2 increases its degradation and affects dendritic spine density and maturation. <i>Journal of Biological Chemistry</i> , 2018, 293, 9311-9325.	1.6	11
426	Small noncoding RNAs in FSHD2 muscle cells reveal both DUX4- and SMCHD1-specific signatures. <i>Human Molecular Genetics</i> , 2018, 27, 2644-2657.	1.4	6
427	Interactions between short and long noncoding RNAs. <i>FEBS Letters</i> , 2018, 592, 2874-2883.	1.3	88
428	miR-339 Promotes Development of Stem Cell Leukemia/Lymphoma Syndrome via Downregulation of the <i>BCL2L11</i> and <i>BAX</i> Proapoptotic Genes. <i>Cancer Research</i> , 2018, 78, 3522-3531.	0.4	27
429	Split-BioID &#8212; Proteomic Analysis of Context-specific Protein Complexes in Their Native Cellular Environment. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	10
430	Aberrantly expressed messenger RNAs and long noncoding RNAs in degenerative nucleus pulposus cells co-cultured with adipose-derived mesenchymal stem cells. <i>Arthritis Research and Therapy</i> , 2018, 20, 182.	1.6	14
431	Detection of Plant miRNAs Abundance in Human Breast Milk. <i>International Journal of Molecular Sciences</i> , 2018, 19, 37.	1.8	70
432	Profiles and Bioinformatics Analysis of Differentially Expressed Circrnas in Taxol-Resistant Non-Small Cell Lung Cancer Cells. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 2046-2060.	1.1	63
433	MicroRNA dysregulation in lung injury: the role of the miR-26a/EphA2 axis in regulation of endothelial permeability. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L584-L594.	1.3	21
434	Exposure of Endothelium to Biomimetic Flow Waveforms Yields Identification of miR-199a-5p as a Potent Regulator of Arteriogenesis. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 829-844.	2.3	19
435	The Requirement for GW182 Scaffolding Protein Depends on Whether Argonaute Is Mediating Translation, Transcription, or Splicing. <i>Biochemistry</i> , 2018, 57, 5247-5256.	1.2	20
436	Endogenous transcripts control miRNA levels and activity in mammalian cells by target-directed miRNA degradation. <i>Nature Communications</i> , 2018, 9, 3119.	5.8	121
437	Direct measurement of pervasive weak repression by microRNAs and their role at the network level. <i>BMC Genomics</i> , 2018, 19, 362.	1.2	9

#	ARTICLE	IF	CITATIONS
438	Overview of MicroRNA Biogenesis, Mechanisms of Actions, and Circulation. <i>Frontiers in Endocrinology</i> , 2018, 9, 402.	1.5	2,975
439	Physiological studies and genome-wide microRNA profiling of cold-stressed <i>Brassica napus</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 132, 1-17.	2.8	16
440	A Network of Noncoding Regulatory RNAs Acts in the Mammalian Brain. <i>Cell</i> , 2018, 174, 350-362.e17.	13.5	485
441	MicroRNAs in Acute Kidney Injury. <i>Nephron</i> , 2018, 140, 124-128.	0.9	25
442	Serum miR-126 level combined with multi-detector computed tomography in the preoperative prediction of lymph node metastasis of gastric cancer. <i>Cancer Biomarkers</i> , 2018, 22, 773-780.	0.8	7
443	Convergence of miR-143 overexpression, oxidative stress and cell death in HCT116 human colon cancer cells. <i>PLoS ONE</i> , 2018, 13, e0191607.	1.1	39
444	Cas9-mediated excision of proximal DNaseI/H3K4me3 signatures confers robust silencing of microRNA and long non-coding RNA genes. <i>PLoS ONE</i> , 2018, 13, e0193066.	1.1	20
445	A high-throughput 3â€™ UTR reporter screening identifies microRNA interactomes of cancer genes. <i>PLoS ONE</i> , 2018, 13, e0194017.	1.1	15
446	Tales around the clock: Poly(A) tails in circadian gene expression. <i>Wiley Interdisciplinary Reviews RNA</i> , 2018, 9, e1484.	3.2	5
447	Novel roles for Sm-class RNAs in the regulation of gene expression. <i>RNA Biology</i> , 2018, 15, 856-862.	1.5	2
448	MiR-139 promotes differentiation of bovine skeletal muscle-derived satellite cells by regulating DHFR gene expression. <i>Journal of Cellular Physiology</i> , 2019, 234, 632-641.	2.0	8
449	Roles of Long Noncoding RNAs and Circular RNAs in Translation. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a032680.	2.3	38
450	Association between low levels of serum miR-638 and atherosclerotic plaque vulnerability in patients with high-grade carotid stenosis. <i>Journal of Neurosurgery</i> , 2019, 131, 72-79.	0.9	21
451	Translational Control in Cancer. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a032896.	2.3	191
452	Regulation of microRNA function in Animals. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 21-37.	16.1	1,556
453	Epigenetic regulation of behavior in <i>Drosophila melanogaster</i> . <i>Current Opinion in Behavioral Sciences</i> , 2019, 25, 44-50.	2.0	12
454	miRNA-mRNA Associated With Survival in Endometrial Cancer. <i>Frontiers in Genetics</i> , 2019, 10, 743.	1.1	26
455	VCP Machinery Mediates Autophagic Degradation of Empty Argonaute. <i>Cell Reports</i> , 2019, 28, 1144-1153.e4.	2.9	23

#	ARTICLE	IF	CITATIONS
456	Cooperative Effects of Cytosine Methylation on DNA Structure and Dynamics. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7365-7371.	1.2	12
457	Differential Inhibition of Target Gene Expression by Human microRNAs. <i>Cells</i> , 2019, 8, 791.	1.8	14
458	MicroRNA-20 induces methylation of hepatitis B virus covalently closed circular DNA in human hepatoma cells. <i>Molecular Medicine Reports</i> , 2019, 20, 2285-2293.	1.1	6
459	The effect of H1N1 vaccination on serum miRNA expression in children: A tale of caution for microRNA microarray studies. <i>PLoS ONE</i> , 2019, 14, e0221143.	1.1	9
460	Altered microRNA processing proteins in HPV-induced cancers. <i>Current Opinion in Virology</i> , 2019, 39, 23-32.	2.6	15
461	Multidomain Convergence of Argonaute during RISC Assembly Correlates with the Formation of Internal Water Clusters. <i>Molecular Cell</i> , 2019, 75, 725-740.e6.	4.5	32
462	microRNA-7 inhibition protects human osteoblasts from dexamethasone via activation of epidermal growth factor receptor signaling. <i>Molecular and Cellular Biochemistry</i> , 2019, 460, 113-121.	1.4	19
463	Neutrophil-derived miR-223 as local biomarker of bacterial peritonitis. <i>Scientific Reports</i> , 2019, 9, 10136.	1.6	28
464	MicroRNA Triggered DNA "Nano Wheel" for Visualizing Intracellular microRNA via Localized DNA Cascade Reaction. <i>Analytical Chemistry</i> , 2019, 91, 9828-9835.	3.2	56
465	Let-7a-regulated translational readthrough of mammalian <i>AGO1</i> generates a microRNA pathway inhibitor. <i>EMBO Journal</i> , 2019, 38, e100727.	3.5	30
466	A low-complexity region in human XRN1 directly recruits deadenylation and decapping factors in 5' mRNA decay. <i>Nucleic Acids Research</i> , 2019, 47, 9282-9295.	6.5	26
467	Next-generation AAV vectors "do not judge a virus (only) by its cover. <i>Human Molecular Genetics</i> , 2019, 28, R3-R14.	1.4	105
468	Updates on the Current Technologies for microRNA Profiling. <i>MicroRNA (Shariqah, United Arab)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 26 0.6 15	0.6	15
469	Tissue-Specific miRNAs Regulate the Development of Thoracic Aortic Aneurysm: the Emerging Role of KLF4 Network. <i>Journal of Clinical Medicine</i> , 2019, 8, 1609.	1.0	18
470	HRPK-1, a conserved KH-domain protein, modulates microRNA activity during <i>Caenorhabditis elegans</i> development. <i>PLoS Genetics</i> , 2019, 15, e1008067.	1.5	12
471	c-Myc shuttled by tumour-derived extracellular vesicles promotes lung bronchial cell proliferation through miR-19b and miR-92a. <i>Cell Death and Disease</i> , 2019, 10, 759.	2.7	32
472	WBNPMD: weighted bipartite network projection for microRNA-disease association prediction. <i>Journal of Translational Medicine</i> , 2019, 17, 322.	1.8	14
473	Targeting Keap1 by miR-626 protects retinal pigment epithelium cells from oxidative injury by activating Nrf2 signaling. <i>Free Radical Biology and Medicine</i> , 2019, 143, 387-396.	1.3	35

#	ARTICLE	IF	CITATIONS
474	Association between miR-146a C > G, miR-149 T > C, miR-196a2 T > C, and miR-499 A > G polymorphisms and susceptibility to idiopathic recurrent pregnancy loss. <i>Journal of Assisted Reproduction and Genetics</i> , 2019, 36, 2237-2244.	1.2	14
475	The clinical potential of circulating microRNAs in obesity. <i>Nature Reviews Endocrinology</i> , 2019, 15, 731-743.	4.3	175
476	MSCs exosomal miR-1470 promotes the differentiation of CD4+CD25+FOXP3+ Tregs in asthmatic patients by inducing the expression of P27KIP1. <i>International Immunopharmacology</i> , 2019, 77, 105981.	1.7	23
477	Pat1 activates late steps in mRNA decay by multiple mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23512-23517.	3.3	22
478	A conserved miRNA-183 cluster regulates the innate antiviral response. <i>Journal of Biological Chemistry</i> , 2019, 294, 19785-19794.	1.6	20
479	High-Throughput MicroRNA Profiles of Permissive Madin-Darby Canine Kidney Cell Line Infected with Influenza B Viruses. <i>Viruses</i> , 2019, 11, 986.	1.5	6
480	Polo-like kinase 3 inhibits glucose metabolism in colorectal cancer by targeting HSP90/STAT3/HK2 signaling. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 426.	3.5	30
481	Why Be One Protein When You Can Affect Many? The Multiple Roles of YB-1 in Lung Cancer and Mesothelioma. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 221.	1.8	26
482	Epigenetic regulators of the revascularization response to chronic arterial occlusion. <i>Cardiovascular Research</i> , 2019, 115, 701-712.	1.8	19
483	Epigenetics of the Synapse in Neurodegeneration. <i>Current Neurology and Neuroscience Reports</i> , 2019, 19, 72.	2.0	19
484	microRNA-579 upregulation mediates death of human macrophages with mycobacterium tuberculosis infection. <i>Biochemical and Biophysical Research Communications</i> , 2019, 518, 219-226.	1.0	21
485	Toward a Comprehensive View of MicroRNA Biology. <i>Molecular Cell</i> , 2019, 75, 666-668.	4.5	16
486	Tissue-restricted genome editing in vivo specified by microRNA-repressible anti-CRISPR proteins. <i>Rna</i> , 2019, 25, 1421-1431.	1.6	71
487	miR-26 suppresses adipocyte progenitor differentiation and fat production by targeting <i>Fbxl19</i> . <i>Genes and Development</i> , 2019, 33, 1367-1380.	2.7	50
488	Functional Dissection of pri-miR-290~295 in Dgcr8 Knockout Mouse Embryonic Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4345.	1.8	3
489	MicroRNA biogenesis, gene silencing mechanisms and role in breast, ovarian and prostate cancer. <i>Biochimie</i> , 2019, 167, 12-24.	1.3	70
491	Progress and prospects of noncoding RNAs in insects. <i>Journal of Integrative Agriculture</i> , 2019, 18, 729-747.	1.7	21
492	Dcp2: an mRNA decapping enzyme that adopts many different shapes and forms. <i>Current Opinion in Structural Biology</i> , 2019, 59, 115-123.	2.6	22

#	ARTICLE	IF	CITATIONS
493	FADD in Cancer: Mechanisms of Altered Expression and Function, and Clinical Implications. <i>Cancers</i> , 2019, 11, 1462.	1.7	31
494	Comprehensive Analysis of Human microRNA-mRNA Interactome. <i>Frontiers in Genetics</i> , 2019, 10, 933.	1.1	105
495	Intracellular low-abundance microRNA imaging by a NIR-assisted entropy-driven DNA system. <i>Nanoscale Horizons</i> , 2019, 4, 472-479.	4.1	24
496	Sensitively distinguishing intracellular precursor and mature microRNA abundance. <i>Chemical Science</i> , 2019, 10, 1709-1715.	3.7	46
497	Micromanaging human placental function: differential microRNA expression in fetoplacental endothelial cells of gestational diabetes pregnancies. <i>Clinical Science</i> , 2019, 133, 315-319.	1.8	4
498	Neurite-Enriched MicroRNA-218 Stimulates Translation of the GluA2 Subunit and Increases Excitatory Synaptic Strength. <i>Molecular Neurobiology</i> , 2019, 56, 5701-5714.	1.9	31
499	A conserved CAF40-binding motif in metazoan NOT4 mediates association with the CCR4-NOT complex. <i>Genes and Development</i> , 2019, 33, 236-252.	2.7	30
500	Imprinted MicroRNA Gene Clusters in the Evolution, Development, and Functions of Mammalian Placenta. <i>Frontiers in Genetics</i> , 2018, 9, 706.	1.1	67
501	Small Non-Coding RNAs Derived From Eukaryotic Ribosomal RNA. <i>Non-coding RNA</i> , 2019, 5, 16.	1.3	78
502	Interplay Between N6-Methyladenosine (m6A) and Non-coding RNAs in Cell Development and Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 116.	1.8	97
503	MicroRNA-221 promotes cisplatin resistance in osteosarcoma cells by targeting PPP2R2A. <i>Bioscience Reports</i> , 2019, 39, .	1.1	26
504	Role of DCP1-DCP2 complex regulated by viral and host microRNAs in DNA virus infection. <i>Fish and Shellfish Immunology</i> , 2019, 92, 21-30.	1.6	4
505	3' Uridylation Confers miRNAs with Non-canonical Target Repertoires. <i>Molecular Cell</i> , 2019, 75, 511-522.e4.	4.5	66
506	Multifaceted Roles of microRNAs in Host-Bacterial Pathogen Interaction. <i>Microbiology Spectrum</i> , 2019, 7, .	1.2	15
507	Molecular Signatures of the Aging Brain: Finding the Links Between Genes and Phenotypes. <i>Neurotherapeutics</i> , 2019, 16, 543-553.	2.1	22
508	miR-29a promotes pathological cardiac hypertrophy by targeting the PTEN/AKT/mTOR signalling pathway and suppressing autophagy. <i>Acta Physiologica</i> , 2019, 227, e13323.	1.8	33
509	Addressing Alzheimer's Disease (AD) Neuropathology Using Anti-microRNA (AM) Strategies. <i>Molecular Neurobiology</i> , 2019, 56, 8101-8108.	1.9	28
510	NF- $\kappa$ B-regulation of miR-155, via SOCS1/STAT3, is involved in the PM2.5-accelerated cell cycle and proliferation of human bronchial epithelial cells. <i>Toxicology and Applied Pharmacology</i> , 2019, 377, 114616.	1.3	33

#	ARTICLE	IF	CITATIONS
511	Extensive profiling in <i>Arabidopsis</i> reveals abundant polysome-associated 24-nt small RNAs including AGO5-dependent pseudogene-derived siRNAs. <i>Rna</i> , 2019, 25, 1098-1117.	1.6	12
512	Hydroxyxanthine derivatives inhibit the human Caf1 nuclease and Caf1-containing nuclease complexes via Mg <sup>2+</sup> -dependent binding. <i>FEBS Open Bio</i> , 2019, 9, 717-727.	1.0	3
513	Long noncoding RNAs in intestinal epithelium homeostasis. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C93-C100.	2.1	22
514	microRNA-4532 inhibition protects human lens epithelial cells from ultra-violet-induced oxidative injury via activating SIRT6-Nrf2 signaling. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 777-784.	1.0	14
515	A versatile dynamic light scattering strategy for the sensitive detection of microRNAs based on plasmonic core-satellites nanoassembly coupled with strand displacement reaction. <i>Biosensors and Bioelectronics</i> , 2019, 138, 111319.	5.3	19
516	Facilitated diffusion of Argonaute-mediated target search. <i>RNA Biology</i> , 2019, 16, 1093-1107.	1.5	7
517	Impact of a patient-derived hepatitis C viral RNA genome with a mutated microRNA binding site. <i>PLoS Pathogens</i> , 2019, 15, e1007467.	2.1	13
518	MiR-161-3p and miR-162-3p possess strong tumor suppressive and antimetastatic properties in osteosarcoma. <i>International Journal of Cancer</i> , 2019, 145, 3052-3063.	2.3	27
519	miR-1285-3p is a potential prognostic marker in human osteosarcoma and functions as a tumor suppressor by targeting YAP1. <i>Cancer Biomarkers</i> , 2019, 25, 1-10.	0.8	22
520	Analysis of DNA Methylation Patterns Associated with In Vitro Propagated Globe Artichoke Plants Using an EpiRADseq-Based Approach. <i>Genes</i> , 2019, 10, 263.	1.0	7
521	TNRC6 proteins modulate hepatitis C virus replication by spatially regulating the binding of miR-122/Ago2 complexes to viral RNA. <i>Nucleic Acids Research</i> , 2019, 47, 6411-6424.	6.5	13
522	microRNA-4500 inhibits human glioma cell progression by targeting IGF2BP1. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 800-806.	1.0	14
523	How RNAi machinery enters the world of telomerase. <i>Cell Cycle</i> , 2019, 18, 1056-1067.	1.3	5
524	Non-Coding RNAs as New Therapeutic Targets in the Context of Renal Fibrosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1977.	1.8	23
525	The chemical diversity of RNA modifications. <i>Biochemical Journal</i> , 2019, 476, 1227-1245.	1.7	94
526	A critical role for miR-142 in alveolar epithelial lineage formation in mouse lung development. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2817-2832.	2.4	6
527	RNA-Based Therapy Utilizing Oculopharyngeal Muscular Dystrophy Transcript Knockdown and Replacement. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 15, 12-25.	2.3	14
528	PM <sub>2.5</sub> Upregulates MicroRNA-146a-3p and Induces M1 Polarization in RAW264.7 Cells by Targeting Sirtuin1. <i>International Journal of Medical Sciences</i> , 2019, 16, 384-393.	1.1	31

#	ARTICLE	IF	CITATIONS
529	Slicing and dicing viruses: antiviral <sc>RNA</sc> interference in mammals. EMBO Journal, 2019, 38, .	3.5	92
530	Dysregulation of Inflammasome Priming and Activation by MicroRNAs in Human Immune-Mediated Diseases. Journal of Immunology, 2019, 202, 2177-2187.	0.4	53
531	Effect of miR-301a/PTEN pathway on the proliferation and apoptosis of cervical cancer. Innate Immunity, 2019, 25, 217-223.	1.1	10
532	Conventional and Novel Diagnostic Biomarkers and Approaches for Detection of Nasopharyngeal Carcinoma. , 2019, , 129-153.		1
533	Plant-Derived Edible Nanoparticles and miRNAs: Emerging Frontier for Therapeutics and Targeted Drug-Delivery. ACS Sustainable Chemistry and Engineering, 2019, 7, 8055-8069.	3.2	95
534	Micro RNA $\hat{1}35\hat{5}p$ reduces P2X 7 $\hat{2}$ dependent rise in intracellular calcium and protects against excitotoxicity. Journal of Neurochemistry, 2019, 151, 116-130.	2.1	10
535	Identification of lncRNA $\hat{2}$ miRNA $\hat{2}$ mRNA regulatory network associated with epithelial ovarian cancer cisplatin $\hat{2}$ resistant. Journal of Cellular Physiology, 2019, 234, 19886-19894.	2.0	44
536	Crosstalk Between Mammalian Antiviral Pathways. Non-coding RNA, 2019, 5, 29.	1.3	11
537	A novel method for stabilizing microRNA mimics. Biochemical and Biophysical Research Communications, 2019, 511, 422-426.	1.0	13
538	A potential therapeutic target for regulating osteoporosis via suppression of osteoclast differentiation. Journal of Dentistry, 2019, 82, 91-97.	1.7	14
539	Urinary microRNA in kidney disease: utility and roles. American Journal of Physiology - Renal Physiology, 2019, 316, F785-F793.	1.3	36
540	Ciphers and Executioners: How 3 $\hat{2}$ -Untranslated Regions Determine the Fate of Messenger RNAs. Frontiers in Genetics, 2019, 10, 6.	1.1	72
541	Circulating myocardial microRNAs from infarcted hearts are carried in exosomes and mobilise bone marrow progenitor cells. Nature Communications, 2019, 10, 959.	5.8	147
542	The emerging role of epigenetics in human autoimmune disorders. Clinical Epigenetics, 2019, 11, 34.	1.8	200
543	&lt;p&gt;microRNA-628 inhibits the proliferation of acute myeloid leukemia cells by directly targeting IGF-1R&lt;/p&gt;. OncoTargets and Therapy, 2019, Volume 12, 907-919.	1.0	24
544	Epigenetic dysregulation in pituitary tumors. International Journal of Endocrine Oncology, 2019, 6, IJE19.	0.4	3
546	circGSK3 $\hat{2}$ promotes metastasis in esophageal squamous cell carcinoma by augmenting $\hat{2}$ -catenin signaling. Molecular Cancer, 2019, 18, 160.	7.9	115
547	MicroRNA-29a Exhibited Pro-Angiogenic and Anti-Fibrotic Features to Intensify Human Umbilical Cord Mesenchymal Stem Cells $\hat{2}$ Renovated Perfusion Recovery and Preventing against Fibrosis from Skeletal Muscle Ischemic Injury. International Journal of Molecular Sciences, 2019, 20, 5859.	1.8	5



#	ARTICLE	IF	CITATIONS
548	Temporal Control of the TGF- $\beta$ 2 Signaling Network by Mouse ESC MicroRNA Targets of Different Affinities. <i>Cell Reports</i> , 2019, 29, 2702-2717.e7.	2.9	9
549	MicroRNA-200a-3p Is a Positive Regulator in Cardiac Hypertrophy Through Directly Targeting WDR1 as Well as Modulating PTEN/PI3K/AKT/CREB/WDR1 Signaling. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 74, 453-461.	0.8	16
550	Focused screening reveals functional effects of microRNAs differentially expressed in colorectal cancer. <i>BMC Cancer</i> , 2019, 19, 1239.	1.1	16
551	NF- $\kappa$ B and MicroRNA Deregulation Mediated by HTLV-1 Tax and HBZ. <i>Pathogens</i> , 2019, 8, 290.	1.2	20
552	A cell-based probabilistic approach unveils the concerted action of miRNAs. <i>PLoS Computational Biology</i> , 2019, 15, e1007204.	1.5	5
553	An improved random forest-based computational model for predicting novel miRNA-disease associations. <i>BMC Bioinformatics</i> , 2019, 20, 624.	1.2	30
554	Molecular Insights into miRNA-Driven Resistance to 5-Fluorouracil and Oxaliplatin Chemotherapy: miR-23b Modulates the Epithelial-Mesenchymal Transition of Colorectal Cancer Cells. <i>Journal of Clinical Medicine</i> , 2019, 8, 2115.	1.0	24
555	The Role of miR-200b-3p in Modulating TGF- $\beta$ 1-induced Injury in Human Bronchial Epithelial Cells. <i>Transplantation</i> , 2019, 103, 2275-2286.	0.5	8
556	The biochemical basis of microRNA targeting efficacy. <i>Science</i> , 2019, 366, .	6.0	631
557	The Biology of mRNA: Structure and Function. <i>Advances in Experimental Medicine and Biology</i> , 2019, , .	0.8	3
558	Regulation of microRNA biogenesis and its crosstalk with other cellular pathways. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 5-20.	16.1	920
559	DICER1 regulates antibacterial function of epididymis by modulating transcription of $\beta$ 2-defensins. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 408-420.	1.5	4
560	The spatiotemporal expression pattern of microRNAs in the developing mouse nervous system. <i>Journal of Biological Chemistry</i> , 2019, 294, 3444-3453.	1.6	19
561	The microRNA miR-181c enhances chemosensitivity and reduces chemoresistance in breast cancer cells via down-regulating osteopontin. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 544-556.	3.6	33
562	Downregulation of EIF5A2 by miR-221-3p inhibits cell proliferation, promotes cell cycle arrest and apoptosis in medulloblastoma cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 400-408.	0.6	27
563	Poly(A)-specific ribonuclease sculpts the 3' ends of microRNAs. <i>Rna</i> , 2019, 25, 388-405.	1.6	28
564	Circulating cell-free microRNAs in cutaneous melanoma staging and recurrence or survival prognosis. <i>Pigment Cell and Melanoma Research</i> , 2019, 32, 486-499.	1.5	17
565	MicroRNAs as a drug resistance mechanism to targeted therapies in EGFR-mutated NSCLC: Current implications and future directions. <i>Drug Resistance Updates</i> , 2019, 42, 1-11.	6.5	68



#	ARTICLE	IF	CITATIONS
566	Characterization of MicroRNAs Regulating FOXO Expression. <i>Methods in Molecular Biology</i> , 2019, 1890, 13-28.	0.4	1
567	Dysregulated Translation in Neurodevelopmental Disorders: An Overview of Autism-Risk Genes Involved in Translation. <i>Developmental Neurobiology</i> , 2019, 79, 60-74.	1.5	36
568	Profiling microRNA expression in Atlantic killifish ( <i>Fundulus heteroclitus</i> ) gill and responses to arsenic and hyperosmotic stress. <i>Aquatic Toxicology</i> , 2019, 206, 142-153.	1.9	13
569	MicroRNAs at the Host-Bacteria Interface: Host Defense or Bacterial Offense. <i>Trends in Microbiology</i> , 2019, 27, 206-218.	3.5	84
570	Inhibiting transcription in cultured metazoan cells with actinomycin D to monitor mRNA turnover. <i>Methods</i> , 2019, 155, 77-87.	1.9	37
571	Kinetic Modelling of Competition and Depletion of Shared miRNAs by Competing Endogenous RNAs. <i>Methods in Molecular Biology</i> , 2019, 1912, 367-409.	0.4	18
572	Structural Differences between Pri-miRNA Paralogs Promote Alternative Drosha Cleavage and Expand Target Repertoires. <i>Cell Reports</i> , 2019, 26, 447-459.e4.	2.9	42
573	Arrayed functional genetic screenings in pluripotency reprogramming and differentiation. <i>Stem Cell Research and Therapy</i> , 2019, 10, 24.	2.4	3
574	Global analysis of RNA metabolism using bio-orthogonal labeling coupled with next-generation RNA sequencing. <i>Methods</i> , 2019, 155, 88-103.	1.9	8
575	Molecular Basis for the Single-Nucleotide Precision of Primary microRNA Processing. <i>Molecular Cell</i> , 2019, 73, 505-518.e5.	4.5	66
576	Orientation of Human Microprocessor on Primary MicroRNAs. <i>Biochemistry</i> , 2019, 58, 189-198.	1.2	26
577	Subcellular Heterogeneity of the microRNA Machinery. <i>Trends in Genetics</i> , 2019, 35, 15-28.	2.9	47
578	The N <sup>6</sup> -Methyladenosine mRNA Methylase METTL3 Controls Cardiac Homeostasis and Hypertrophy. <i>Circulation</i> , 2019, 139, 533-545.	1.6	279
579	Iruka Eliminates Dysfunctional Argonaute by Selective Ubiquitination of Its Empty State. <i>Molecular Cell</i> , 2019, 73, 119-129.e5.	4.5	35
580	MicroRNAs in Gametes and Preimplantation Embryos: Clinical Implications. , 2019, , 241-268.		0
581	Shedding light on microRNA function via microscopy-based screening. <i>Methods</i> , 2019, 152, 55-64.	1.9	10
582	A guide to microRNA-mediated gene silencing. <i>FEBS Journal</i> , 2019, 286, 642-652.	2.2	44
583	Systematic review regulatory principles of non-coding RNAs in cardiovascular diseases. <i>Briefings in Bioinformatics</i> , 2019, 20, 66-76.	3.2	18

#	ARTICLE	IF	CITATIONS
584	Systematic review of computational methods for identifying miRNA-mediated RNA-RNA crosstalk. <i>Briefings in Bioinformatics</i> , 2019, 20, 1193-1204.	3.2	16
585	Noncoding RNAs in the Vascular System Response to Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 992-1010.	2.5	26
586	A survey of software tools for microRNA discovery and characterization using RNA-seq. <i>Briefings in Bioinformatics</i> , 2019, 20, 918-930.	3.2	16
587	Overcoming cisplatin resistance in osteosarcoma through the miR-199a-modulated inhibition of HIF-1 $\alpha$ . <i>Bioscience Reports</i> , 2019, 39, .	1.1	29
588	The role of shrimp microRNAs in immune response and beyond. <i>Reviews in Aquaculture</i> , 2020, 12, 176-185.	4.6	3
589	Asymmetric polymerase chain reaction and loop-mediated isothermal amplification (AP-LAMP) for ultrasensitive detection of microRNAs. <i>Chinese Chemical Letters</i> , 2020, 31, 159-162.	4.8	14
590	A simplified system for the effective expression and delivery of functional mature microRNAs in mammalian cells. <i>Cancer Gene Therapy</i> , 2020, 27, 424-437.	2.2	42
591	Skeletal stem cells. , 2020, , 45-71.		5
592	MiR-1827 functions as a tumor suppressor in lung adenocarcinoma by targeting MYC and FAM83F. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 1675-1689.	1.2	16
593	MicroRNA-34 Family Enhances Wound Inflammation by Targeting LGR4. <i>Journal of Investigative Dermatology</i> , 2020, 140, 465-476.e11.	0.3	53
594	MicroRNAs: Crucial Regulators of Stress. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2020, 9, 93-100.	0.6	4
595	Exposure to workplace bullying, microRNAs and pain; evidence of a moderating effect of miR-30c rs928508 and miR-223 rs3848900. <i>Stress</i> , 2020, 23, 77-86.	0.8	14
596	Dissimilar Appearances Are Deceptive—Common microRNAs and Therapeutic Strategies in Liver Cancer and Melanoma. <i>Cells</i> , 2020, 9, 114.	1.8	14
597	MicroRNAs Cause Accelerated Decay of Short-Tailed Target mRNAs. <i>Molecular Cell</i> , 2020, 77, 775-785.e8.	4.5	33
598	The Dynamics of Cytoplasmic mRNA Metabolism. <i>Molecular Cell</i> , 2020, 77, 786-799.e10.	4.5	106
599	Unique repression domains of Pumilio utilize deadenylation and decapping factors to accelerate destruction of target mRNAs. <i>Nucleic Acids Research</i> , 2020, 48, 1843-1871.	6.5	35
600	A review of currently identified small molecule modulators of microRNA function. <i>European Journal of Medicinal Chemistry</i> , 2020, 188, 112008.	2.6	64
601	CircMALAT1 Functions as Both an mRNA Translation Brake and a microRNA Sponge to Promote Self-Renewal of Hepatocellular Cancer Stem Cells. <i>Advanced Science</i> , 2020, 7, 1900949.	5.6	74

#	ARTICLE	IF	CITATIONS
602	miRPathDB 2.0: a novel release of the miRNA Pathway Dictionary Database. <i>Nucleic Acids Research</i> , 2020, 48, D142-D147.	6.5	138
603	Integrated analysis of directly captured microRNA targets reveals the impact of microRNAs on mammalian transcriptome. <i>Rna</i> , 2020, 26, 306-323.	1.6	18
604	Role of the RNA-binding protein Bicaudal-C1 and interacting factors in cystic kidney diseases. <i>Cellular Signalling</i> , 2020, 68, 109499.	1.7	15
605	Novel Plaque Enriched Long Noncoding RNA in Atherosclerotic Macrophage Regulation (PELATON). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 697-713.	1.1	46
606	miR-639 Expression Is Silenced by DNMT3A-Mediated Hypermethylation and Functions as a Tumor Suppressor in Liver Cancer Cells. <i>Molecular Therapy</i> , 2020, 28, 587-598.	3.7	21
607	Functional screenings reveal different requirements for host microRNAs in <i>Salmonella</i> and <i>Shigella</i> infection. <i>Nature Microbiology</i> , 2020, 5, 192-205.	5.9	25
608	Inhibition of miR-574-5p suppresses cell growth and metastasis and enhances chemosensitivity by targeting RNA binding protein QKI in cervical cancer cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 951-966.	1.4	9
609	MiR-155 and other microRNAs downregulate drug metabolizing cytochromes P450 in inflammation. <i>Biochemical Pharmacology</i> , 2020, 171, 113725.	2.0	32
610	Study of the role of Mg <sup>2+</sup> in dsRNA processing mechanism by bacterial RNase III through QM/MM simulations. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 89-98.	1.1	2
611	Hypoxia-Induced miR-210 Is Necessary for Vascular Regeneration upon Acute Limb Ischemia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 129.	1.8	19
612	&lt;p&gt;MicroRNA-6071 Suppresses Glioblastoma Progression Through the Inhibition of PI3K/AKT/mTOR Pathway by Binding to ULBP2&lt;p&gt;. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 9429-9441.	1.0	13
613	Competing Endogenous RNA Networks in the Epithelial to Mesenchymal Transition in Diffuse-Type of Gastric Cancer. <i>Cancers</i> , 2020, 12, 2741.	1.7	31
614	Non-Coding RNAs and Hereditary Hemorrhagic Telangiectasia. <i>Journal of Clinical Medicine</i> , 2020, 9, 3333.	1.0	8
615	Exosomal miR-199a-5p promotes hepatic lipid accumulation by modulating MST1 expression and fatty acid metabolism. <i>Hepatology International</i> , 2020, 14, 1057-1074.	1.9	34
616	Integrated Transcriptome and Proteome Analyses Reveal the Regulatory Role of miR-146a in Human Limbal Epithelium via Notch Signaling. <i>Cells</i> , 2020, 9, 2175.	1.8	11
617	Epigenetics of osteoarthritis: Histones and TGF- $\beta$ 1. <i>Clinica Chimica Acta</i> , 2020, 510, 593-598.	0.5	14
618	Alcohol as an early life stressor: Epigenetics, metabolic, neuroendocrine and neurobehavioral implications. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 118, 654-668.	2.9	33
619	mRNA structural dynamics shape Argonaute-target interactions. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 790-801.	3.6	32

#	ARTICLE	IF	CITATIONS
620	The biochemical basis for the cooperative action of microRNAs. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17764-17774.	3.3	53
621	Inhibition of RNA-binding proteins with small molecules. Nature Reviews Chemistry, 2020, 4, 441-458.	13.8	76
622	Redirection of miRNA-Argonaute Complexes to Specific Target Sites by Synthetic Adaptor Molecules. Chemistry and Biodiversity, 2020, 17, e2000272.	1.0	2
623	MiR34a Regulates Neuronal MHC Class I Molecules and Promotes Primary Hippocampal Neuron Dendritic Growth and Branching. Frontiers in Cellular Neuroscience, 2020, 14, 573208.	1.8	8
624	MicroRNAs in Skeletal Muscle and Hints on Their Potential Role in Muscle Wasting During Cancer Cachexia. Frontiers in Oncology, 2020, 10, 607196.	1.3	15
625	microRNAs Biogenesis, Functions and Role in Tumor Angiogenesis. Frontiers in Oncology, 2020, 10, 581007.	1.3	122
626	MALAT-1: LncRNA ruling miR-182/PIG-C/mesothelin triad in triple negative breast cancer. Pathology Research and Practice, 2020, 216, 153274.	1.0	10
627	Whole-Transcriptome Analysis in Peripheral Blood Mononuclear Cells from Patients with Lipid-Specific Oligoclonal IgM Band Characterization Reveals Two Circular RNAs and Two Linear RNAs as Biomarkers of Highly Active Disease. Biomedicines, 2020, 8, 540.	1.4	8
628	Epigenetic Regulation of Pulmonary Arterial Hypertension-Induced Vascular and Right Ventricular Remodeling: New Opportunities?. International Journal of Molecular Sciences, 2020, 21, 8901.	1.8	16
629	MicroRNA Modulation by Dietary Supplements in Obesity. Biomedicines, 2020, 8, 545.	1.4	5
630	The tumor suppressor microRNA let-7 inhibits human LINE-1 retrotransposition. Nature Communications, 2020, 11, 5712.	5.8	37
631	Functional Atlas of Primary miRNA Maturation by the Microprocessor. Molecular Cell, 2020, 80, 892-902.e4.	4.5	26
632	The ZSWIM8 ubiquitin ligase mediates target-directed microRNA degradation. Science, 2020, 370, .	6.0	138
633	Long-Term Impact of Social Isolation and Molecular Underpinnings. Frontiers in Genetics, 2020, 11, 589621.	1.1	30
634	MiRNAs expression profiling of rat ovaries displaying PCOS with insulin resistance. Archives of Gynecology and Obstetrics, 2020, 302, 1205-1213.	0.8	10
635	Advances with RNAi-Based Therapy for Hepatitis B Virus Infection. Viruses, 2020, 12, 851.	1.5	49
636	Extracellular Vesicles and MicroRNA: Putative Role in Diagnosis and Treatment of Diabetic Retinopathy. Antioxidants, 2020, 9, 705.	2.2	23
637	The Complex Landscape of <i>PTEN</i> mRNA Regulation. Cold Spring Harbor Perspectives in Medicine, 2020, 10, a036236.	2.9	7

#	ARTICLE	IF	CITATIONS
638	Tanshinone IIA regulates human AML cell proliferation, cell cycle, and apoptosis through miR-497-5p/AKT3 axis. <i>Cancer Cell International</i> , 2020, 20, 379.	1.8	19
639	PM2.5 downregulates MicroRNA-139-5p and induces EMT in Bronchiolar Epithelium Cells by targeting Notch1. <i>Journal of Cancer</i> , 2020, 11, 5758-5767.	1.2	15
640	MicroRNAs and Cardiovascular Disease: Small Signals and Big Opportunities!. <i>Indian Journal of Cardiovascular Disease in Women WINCARS</i> , 2020, 5, 15-17.	0.1	0
641	MiR-145 functions as a tumor suppressor in Papillary Thyroid Cancer by inhibiting RAB5C. <i>International Journal of Medical Sciences</i> , 2020, 17, 1992-2001.	1.1	11
642	Coordinated AR and microRNA regulation in prostate cancer. <i>Asian Journal of Urology</i> , 2020, 7, 233-250.	0.5	14
643	Non-coding RNAs in gastric cancer. <i>Cancer Letters</i> , 2020, 493, 55-70.	3.2	39
644	miRNA-based biomarkers, therapies, and resistance in Cancer. <i>International Journal of Biological Sciences</i> , 2020, 16, 2628-2647.	2.6	258
645	Single-cell RNA profiling links ncRNAs to spatiotemporal gene expression during <i>C. elegans</i> embryogenesis. <i>Scientific Reports</i> , 2020, 10, 18863.	1.6	2
646	Determinants of correlated expression of transcription factors and their target genes. <i>Nucleic Acids Research</i> , 2020, 48, 11347-11369.	6.5	15
647	microRNA expression variation as a potential molecular mechanism contributing to adaptation to hydrogen sulphide. <i>Journal of Evolutionary Biology</i> , 2021, 34, 977-988.	0.8	19
648	The value of microRNA-21 as a biomarker for the prognosis of lung cancer. <i>Medicine (United States)</i> , 2020, 99, e21483.	0.4	5
649	Role of microRNAs in insect-baculovirus interactions. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 127, 103459.	1.2	7
650	Roles of Regulatory RNAs in Nutritional Control. <i>Annual Review of Nutrition</i> , 2020, 40, 77-104.	4.3	8
651	ASIC1a regulates miR-350/SPRY2 by N <sup>6</sup> -methyladenosine to promote liver fibrosis. <i>FASEB Journal</i> , 2020, 34, 14371-14388.	0.2	32
652	Targeting SARS CoV2 (Indian isolate) genome with miRNA: An in silico study. <i>IUBMB Life</i> , 2020, 72, 2454-2468.	1.5	2
653	Î²-catenin represses miR455-3p to stimulate m6A modification of HSF1 mRNA and promote its translation in colorectal cancer. <i>Molecular Cancer</i> , 2020, 19, 129.	7.9	66
654	MicroRNAs Regulate Intestinal Immunity and Gut Microbiota for Gastrointestinal Health: A Comprehensive Review. <i>Genes</i> , 2020, 11, 1075.	1.0	36
655	Epigenetic Associations between lncRNA/circRNA and miRNA in Hepatocellular Carcinoma. <i>Cancers</i> , 2020, 12, 2622.	1.7	108

#	ARTICLE	IF	CITATIONS
656	MicroRNAs as Biomarkers and Therapeutic Targets in Inflammation- and Ischemia-Reperfusion-Related Acute Renal Injury. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6738.	1.8	30
657	Therapeutically Significant MicroRNAs in Primary and Metastatic Brain Malignancies. <i>Cancers</i> , 2020, 12, 2534.	1.7	25
658	miRNALoc: predicting miRNA subcellular localizations based on principal component scores of physico-chemical properties and pseudo compositions of di-nucleotides. <i>Scientific Reports</i> , 2020, 10, 14557.	1.6	12
659	Expression of miR-720 is correlated with DNMT3 in Oral squamous cell carcinomas. <i>ExRNA</i> , 2020, 2, .	1.0	0
660	Synthetic circular miR-21 RNA decoys enhance tumor suppressor expression and impair tumor growth in mice. <i>NAR Cancer</i> , 2020, 2, zcaa014.	1.6	12
661	Principles of mRNA control by human PLIM proteins elucidated from multimodal experiments and integrative data analysis. <i>Rna</i> , 2020, 26, 1680-1703.	1.6	14
662	The Multifaceted Roles of MicroRNAs in Cystic Fibrosis. <i>Diagnostics</i> , 2020, 10, 1102.	1.3	13
663	Distinct Effects of Inflammation on Cytochrome P450 Regulation and Drug Metabolism: Lessons from Experimental Models and a Potential Role for Pharmacogenetics. <i>Genes</i> , 2020, 11, 1509.	1.0	55
664	Bioinformatics Analysis of the Prognostic and Biological Significance of ZDHHC-Protein Acyltransferases in Kidney Renal Clear Cell Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 565414.	1.3	14
665	MirLocPredictor: A ConvNet-Based Multi-Label MicroRNA Subcellular Localization Predictor by Incorporating k-Mer Positional Information. <i>Genes</i> , 2020, 11, 1475.	1.0	13
666	Premature MicroRNA-Based Therapeutic: A "One-Two Punch" against Cancers. <i>Cancers</i> , 2020, 12, 3831.	1.7	3
667	Methamphetamine use alters human plasma extracellular vesicles and their microRNA cargo: An exploratory study. <i>Journal of Extracellular Vesicles</i> , 2020, 10, e12028.	5.5	28
668	Role of microRNAs in inflammatory upper airway diseases. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1967-1980.	2.7	14
669	Human disease-associated single nucleotide polymorphism changes the orientation of DROSHA on pri-mir-146a. <i>Rna</i> , 2020, 26, 1777-1786.	1.6	12
670	The multifaceted roles of microRNAs in differentiation. <i>Current Opinion in Cell Biology</i> , 2020, 67, 118-140.	2.6	45
671	tRNA Fragments Populations Analysis in Mutants Affecting tRNAs Processing and tRNA Methylation. <i>Frontiers in Genetics</i> , 2020, 11, 518949.	1.1	19
672	<scp>miR-15b</scp> enhances the proliferation and migration of lung adenocarcinoma by targeting BCL2. <i>Thoracic Cancer</i> , 2020, 11, 1396-1405.	0.8	19
673	Argonaute proteins: Structural features, functions and emerging roles. <i>Journal of Advanced Research</i> , 2020, 24, 317-324.	4.4	63

#	ARTICLE	IF	CITATIONS
674	Functional Landscape of Dysregulated MicroRNAs in Oral Squamous Cell Carcinoma: Clinical Implications. <i>Frontiers in Oncology</i> , 2020, 10, 619.	1.3	27
675	Pan-tissue analysis of allelic alternative polyadenylation suggests widespread functional regulation. <i>Molecular Systems Biology</i> , 2020, 16, e9367.	3.2	5
676	Pdc2/Pat1 increases the range of decay factors and RNA bound by the Lsm1-7 complex. <i>Rna</i> , 2020, 26, 1380-1388.	1.6	12
677	Dysregulation in the expression of (lncRNA-TSIX, TP53INP2 mRNA, miRNA-1283) in spinal cord injury. <i>Genomics</i> , 2020, 112, 3315-3321.	1.3	8
678	MicroRNAs: From Mechanism to Organism. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 409.	1.8	203
679	From the Argonauts Mythological Sailors to the Argonauts RNA-Silencing Navigators: Their Emerging Roles in Human-Cell Pathologies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4007.	1.8	10
680	Construction of an ultrasensitive electrochemical sensing platform for microRNA-21 based on interface impedance spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 164-170.	5.0	41
681	The Non-coding Side of Medulloblastoma. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 275.	1.8	9
682	SMARCB1 loss induces druggable cyclin D1 deficiency via upregulation of MIR17HG in atypical teratoid rhabdoid tumors. <i>Journal of Pathology</i> , 2020, 252, 77-87.	2.1	11
683	The RNA-binding protein DAZL functions as repressor and activator of mRNA translation during oocyte maturation. <i>Nature Communications</i> , 2020, 11, 1399.	5.8	33
684	High-Throughput Fluorescence-Based Screen Identifies the Neuronal MicroRNA miR-124 as a Positive Regulator of Alphavirus Infection. <i>Journal of Virology</i> , 2020, 94, .	1.5	10
685	Role of microRNAs in the Development of Cardiovascular Disease in Systemic Autoimmune Disorders. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2012.	1.8	20
686	Subacute exposure of PM2.5 induces airway inflammation through inflammatory cell infiltration and cytokine expression in rats. <i>Chemosphere</i> , 2020, 251, 126423.	4.2	10
687	Establishment of 5'â€“3' interactions in mRNA independent of a continuous ribose-phosphate backbone. <i>Rna</i> , 2020, 26, 613-628.	1.6	2
688	The Role of Dynamic miRISC During Neuronal Development. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 8.	1.6	12
689	miR-378 and its host gene Ppargc1 <sup>2</sup> exhibit independent expression in mouse skeletal muscle. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 883-890.	0.9	7
690	The Role of Non-coding RNAs in Viral Myocarditis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 312.	1.8	18
691	Dissecting the Role of Subtypes of Gastrointestinal Vagal Afferents. <i>Frontiers in Physiology</i> , 2020, 11, 643.	1.3	44



#	ARTICLE	IF	CITATIONS
692	Human Brain Shows Recurrent Non-Canonical MicroRNA Editing Events Enriched for Seed Sequence with Possible Functional Consequence. <i>Non-coding RNA</i> , 2020, 6, 21.	1.3	5
693	miR-223-3p Inhibits Antigen Endocytosis and Presentation and Promotes the Tolerogenic Potential of Dendritic Cells through Targeting Mannose Receptor Signaling and Rhob. <i>Journal of Immunology Research</i> , 2020, 2020, 1-17.	0.9	13
694	Circulating miRNAs in Small Extracellular Vesicles Secreted by a Human Melanoma Xenograft in Mouse Brains. <i>Cancers</i> , 2020, 12, 1635.	1.7	9
695	Non-Coding RNAs in Cancer Radiosensitivity: MicroRNAs and lncRNAs as Regulators of Radiation-Induced Signaling Pathways. <i>Cancers</i> , 2020, 12, 1662.	1.7	44
696	Early microRNA indicators of PPAR $\alpha$ pathway activation in the liver. <i>Toxicology Reports</i> , 2020, 7, 805-815.	1.6	9
697	Select amino acids in DGCR8 are essential for the UGU-pri-miRNA interaction and processing. <i>Communications Biology</i> , 2020, 3, 344.	2.0	14
698	The Promises and Challenges of Toxico-Epigenomics: Environmental Chemicals and Their Impacts on the Epigenome. <i>Environmental Health Perspectives</i> , 2020, 128, 15001.	2.8	47
699	miR24 accelerates progression of liver cancer cells by activating Pim1 through trimethylation of Histone H3 on the ninth lysine. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 2772-2790.	1.6	17
700	The impact of microRNAs on alterations of gene regulatory networks in allergic diseases. <i>Advances in Protein Chemistry and Structural Biology</i> , 2020, 120, 237-312.	1.0	26
701	MiRNAs and lncRNAs: Dual Roles in TGF- $\beta$ 2 Signaling-Regulated Metastasis in Lung Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1193.	1.8	51
702	MicroRNA-4651 targets bromodomain-containing protein 4 to inhibit non-small cell lung cancer cell progression. <i>Cancer Letters</i> , 2020, 476, 129-139.	3.2	21
703	Identification of the Regulatory Role of lncRNA SNHG16 in Myasthenia Gravis by Constructing a Competing Endogenous RNA Network. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 1123-1133.	2.3	19
704	hsa-miR-9-3p and hsa-miR-9-5p as Post-Transcriptional Modulators of DNA Topoisomerase II $\alpha$ in Human Leukemia K562 Cells with Acquired Resistance to Etoposide. <i>Molecular Pharmacology</i> , 2020, 97, 159-170.	1.0	12
705	LINC00167 Regulates RPE Differentiation by Targeting the miR-203a-3p/SOCS3 Axis. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 1015-1026.	2.3	21
706	Cadmium-Induced Renal Cell Toxicity Is Associated With MicroRNA Deregulation. <i>International Journal of Toxicology</i> , 2020, 39, 103-114.	0.6	17
707	Design of Fluorescent Peptide Nucleic Acid Probes Carrying Cyanine Dyes for Targeting Double-Stranded RNAs for Analytical Applications. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 406-413.	2.0	12
708	Cardio-renal Exosomes in Myocardial Infarction Serum Regulate Proangiogenic Paracrine Signaling in Adipose Mesenchymal Stem Cells. <i>Theranostics</i> , 2020, 10, 1060-1073.	4.6	56
709	Genome-wide analysis reveals a switch in the translational program upon oocyte meiotic resumption. <i>Nucleic Acids Research</i> , 2020, 48, 3257-3276.	6.5	68



#	ARTICLE	IF	CITATIONS
710	miRNAs as Biomarkers in Disease: Latest Findings Regarding Their Role in Diagnosis and Prognosis. <i>Cells</i> , 2020, 9, 276.	1.8	693
711	Challenges in Using Circulating Micro-RNAs as Biomarkers for Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 561.	1.8	46
712	Transcriptional memory in skeletal muscle. Don't forget (to) exercise. <i>Journal of Cellular Physiology</i> , 2020, 235, 5476-5489.	2.0	9
713	MicroRNA-25-3p suppresses epileptiform discharges through inhibiting oxidative stress and apoptosis via targeting OXSR1 in neurons. <i>Biochemical and Biophysical Research Communications</i> , 2020, 523, 859-866.	1.0	23
714	Advanced approaches for elucidating structures of large RNAs using NMR spectroscopy and complementary methods. <i>Methods</i> , 2020, 183, 93-107.	1.9	25
715	MicroRNA-106b-5p participates in lead (Pb <sup>2+</sup> )-induced cell viability inhibition by targeting XIAP in HT-22 and PC12 cells. <i>Toxicology in Vitro</i> , 2020, 66, 104876.	1.1	9
716	Mechanisms of the Epithelial-Mesenchymal Transition and Tumor Microenvironment in Helicobacter pylori-Induced Gastric Cancer. <i>Cells</i> , 2020, 9, 1055.	1.8	103
717	MicroRNAs as Emerging Regulators of Signaling in the Tumor Microenvironment. <i>Cancers</i> , 2020, 12, 911.	1.7	24
718	Systematic characterization of non-coding RNAs in triple-negative breast cancer. <i>Cell Proliferation</i> , 2020, 53, e12801.	2.4	47
719	Broad spectrum immunomodulatory effects of Anopheles gambiae microRNAs and their use for transgenic suppression of Plasmodium. <i>PLoS Pathogens</i> , 2020, 16, e1008453.	2.1	22
720	Mismatched and wobble base pairs govern primary microRNA processing by human Microprocessor. <i>Nature Communications</i> , 2020, 11, 1926.	5.8	33
721	miR-128 plays a critical role in murine osteoclastogenesis and estrogen deficiency-induced bone loss. <i>Theranostics</i> , 2020, 10, 4334-4348.	4.6	34
722	miR-26a-5p Inhibit Gastric Cancer Cell Proliferation and Invasion Through Mediated Wnt5a. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 2537-2550.	1.0	21
723	Failure to Down-Regulate miR-154 Expression in Early Postnatal Mouse Lung Epithelium Suppresses Alveologenesis, with Changes in Tgf- $\beta$ 2 Signaling Similar to those Induced by Exposure to Hyperoxia. <i>Cells</i> , 2020, 9, 859.	1.8	7
724	MiR-23b functions as an oncogenic miRNA by downregulating Mcl-1 in lung cancer cell line A549. <i>Journal of Biochemical and Molecular Toxicology</i> , 2020, 34, e22494.	1.4	7
725	miR-4458 inhibits the epithelial-mesenchymal transition of hepatocellular carcinoma cells by suppressing the TGF- $\beta$ 1 signaling pathway via targeting TGFBR1. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 554-562.	0.9	10
726	miR-146a is a pivotal regulator of neutrophil extracellular trap formation promoting thrombosis. <i>Haematologica</i> , 2021, 106, 1636-1646.	1.7	39
727	The role of lncRNAs in innate immunity and inflammation. <i>RNA Biology</i> , 2021, 18, 587-603.	1.5	33

#	ARTICLE	IF	CITATIONS
728	Non-coding RNA derived from extracellular vesicles in cancer immune escape: Biological functions and potential clinical applications. <i>Cancer Letters</i> , 2021, 501, 234-246.	3.2	20
729	The Yin and Yang function of microRNAs in insulin signalling and cancer. <i>RNA Biology</i> , 2021, 18, 24-32.	1.5	7
730	Artificial miRNAs targeting CAG repeat expansion in ORFs cause rapid deadenylation and translation inhibition of mutant transcripts. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 1577-1596.	2.4	19
731	A novel rationale for targeting FXI: Insights from the hemostatic microRNA targetome for emerging anticoagulant strategies. , 2021, 218, 107676.		9
732	A MicroRNA Expression Signature as Prognostic Marker for Oropharyngeal Squamous Cell Carcinoma. <i>Journal of the National Cancer Institute</i> , 2021, 113, 752-759.	3.0	10
733	Overexpression of miRâ€³29â€³p sensitizes osteosarcoma cells to cisplatin through suppression of glucose metabolism by targeting LDHA. <i>Cell Biology International</i> , 2021, 45, 766-774.	1.4	20
734	MicroRNA-210 Regulates Dendritic Morphology and Behavioural Flexibility in Mice. <i>Molecular Neurobiology</i> , 2021, 58, 1330-1344.	1.9	6
735	Cardiac fibroblast miRâ€²7a may function as an endogenous antiâ€²fibrotic by negatively regulating Early Growth Response Protein 3 (EGR3). <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 73-83.	1.6	11
736	FANTOM enters 20th year: expansion of transcriptomic atlases and functional annotation of non-coding RNAs. <i>Nucleic Acids Research</i> , 2021, 49, D892-D898.	6.5	57
737	Signaling pathways in hepatocellular carcinoma. <i>Advances in Cancer Research</i> , 2021, 149, 63-101.	1.9	56
738	CircTP53 promotes colorectal cancer by acting as a miR-876-3p sponge to increase cyclin-dependent kinase-like 3 expression. <i>Cellular Signalling</i> , 2021, 78, 109845.	1.7	11
739	RNF219 interacts with CCR4â€²NOT in regulating stem cell differentiation. <i>Journal of Molecular Cell Biology</i> , 2021, 12, 894-905.	1.5	7
740	MicroRNA mediated regulation of the major redox homeostasis switch, Nrf2, and its impact on oxidative stress-induced ischemic/reperfusion injury. <i>Archives of Biochemistry and Biophysics</i> , 2021, 698, 108725.	1.4	29
741	Regulation of mRNA stability by RBPs and noncoding RNAs contributing to the pathogenicity of Th17 cells. <i>RNA Biology</i> , 2021, 18, 647-656.	1.5	9
742	Differentially expressed microRNAs as diagnostic biomarkers for infected tibial non-union. <i>Injury</i> , 2021, 52, 11-18.	0.7	9
743	Concepts and functions of small RNA pathways in <i>C. elegans</i> . <i>Current Topics in Developmental Biology</i> , 2021, 144, 45-89.	1.0	29
744	microRNA strand selection: Unwinding the rules. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1627.	3.2	97
745	Alternatively spliced isoforms of AUF1 regulate a miRNAâ€²mRNA interaction differentially through their YGG motif. <i>RNA Biology</i> , 2021, 18, 843-853.	1.5	8

#	ARTICLE	IF	CITATIONS
746	Promoter Methylation-mediated Silencing of the MiR-192-5p Promotes Endometrial Cancer Progression by Targeting ALX1. <i>International Journal of Medical Sciences</i> , 2021, 18, 2510-2520.	1.1	1
747	The Role of Exosomes and Exosomal MicroRNA in Cardiovascular Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 616161.	1.8	105
748	Circular RNA hsa_circ_0033144 (CircBCL11B) regulates oral squamous cell carcinoma progression via the miR-579/LASP1 axis. <i>Bioengineered</i> , 2021, 12, 4111-4122.	1.4	13
749	<i>Drosophila melanogaster</i> in Glycobiology: Their Mutants Are Excellent Models for Human Diseases. , 2021, , 1-35.		0
750	The interplay between m6A modification and non-coding RNA in cancer stemness modulation: mechanisms, signaling pathways, and clinical implications. <i>International Journal of Biological Sciences</i> , 2021, 17, 2718-2736.	2.6	22
751	Hsa-miR-494-3p attenuates gene HtrA3 transcription to increase inflammatory response in hypoxia/reoxygenation HK2 Cells. <i>Scientific Reports</i> , 2021, 11, 1665.	1.6	8
752	Therapeutic Mechanism of Nucleic Acid Drugs. <i>ChemistrySelect</i> , 2021, 6, 903-916.	0.7	8
753	Innate Immune Dysregulation in Sjögren's Syndrome. , 2021, , 71-93.		0
754	Müller Glia-Mediated Retinal Regeneration. <i>Molecular Neurobiology</i> , 2021, 58, 2342-2361.	1.9	39
755	Construction and validation of a three-microRNA signature as prognostic biomarker in patients with hepatocellular carcinoma. <i>International Journal of Medical Sciences</i> , 2021, 18, 984-999.	1.1	11
756	MiR-573 suppresses cell proliferation, migration and invasion via regulation of E2F3 in pancreatic cancer. <i>Journal of Cancer</i> , 2021, 12, 3033-3044.	1.2	6
757	Noncoding RNAs regulate alternative splicing in Cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 11.	3.5	81
758	Exosome-Derived Noncoding RNAs as a Promising Treatment of Bone Regeneration. <i>Stem Cells International</i> , 2021, 2021, 1-8.	1.2	15
759	MiR-301a-5p/SCIN promotes gastric cancer progression via regulating STAT3 and NF- $\kappa$ B signaling. <i>Journal of Cancer</i> , 2021, 12, 5394-5403.	1.2	10
760	MicroRNA-93/STAT3 signalling pathway mediates retinal microglial activation and protects retinal ganglion cells in an acute ocular hypertension model. <i>Cell Death and Disease</i> , 2021, 12, 41.	2.7	20
761	Comprehensive analysis of the alteration of plasma miRNA expression level in mice exposed to diesel exhaust. <i>Fundamental Toxicological Sciences</i> , 2021, 8, 1-6.	0.2	1
762	MicroRNA Profiling of Morphologically Heterogeneous Clear Cell Renal Cell Carcinoma. <i>Journal of Cancer</i> , 2021, 12, 5375-5384.	1.2	2
763	Effective tools for RNA-derived therapeutics: siRNA interference or miRNA mimicry. <i>Theranostics</i> , 2021, 11, 8771-8796.	4.6	50

#	ARTICLE	IF	CITATIONS
764	Noncoding RNAs in B cell responses. <i>RNA Biology</i> , 2021, 18, 633-639.	1.5	3
765	Plasma cells shape the mesenchymal identity of ovarian cancers through transfer of exosome-derived microRNAs. <i>Science Advances</i> , 2021, 7, .	4.7	25
766	Metabolism pathways of arachidonic acids: mechanisms and potential therapeutic targets. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 94.	7.1	406
767	Evaluation of exosomal miRNAs as potential diagnostic biomarkers for acute myocardial infarction using next-generation sequencing. <i>Annals of Translational Medicine</i> , 2021, 9, 219-219.	0.7	12
769	Combined targeting of vascular endothelial growth factor C (VEGFC) and P65 using miR-27b-3p agomir and lipoteichoic acid in the treatment of gastric cancer. <i>Journal of Gastrointestinal Oncology</i> , 2021, 12, 121-132.	0.6	3
770	Re-expression of miR-200s in claudin-1 low mammary tumor cells alters cell shape and reduces proliferation and invasion potentially through modulating other miRNAs and SUZ12 regulated genes. <i>Cancer Cell International</i> , 2021, 21, 89.	1.8	9
771	Influence of high glucose in the expression of miRNAs and IGF1R signaling pathway in human myometrial explants. <i>Archives of Gynecology and Obstetrics</i> , 2021, 303, 1513-1522.	0.8	6
772	Circular RNA circARPP21 Acts as a Sponge of miR-543 to Suppress Hepatocellular Carcinoma by Regulating LIFR. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 879-890.	1.0	7
773	The double face of miR-320: cardiomyocytes-derived miR-320 deteriorated while fibroblasts-derived miR-320 protected against heart failure induced by transverse aortic constriction. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 69.	7.1	23
774	MicroRNA Mimics or Inhibitors as Antiviral Therapeutic Approaches Against COVID-19. <i>Drugs</i> , 2021, 81, 517-531.	4.9	59
775	Upregulation of Linc-ROR Promotes the Proliferation, Migration, and Invasion of Gastric Cancer Cells Through miR-212-3p/FGF7 Axis. <i>Cancer Management and Research</i> , 2021, Volume 13, 899-912.	0.9	7
776	miTAR: a hybrid deep learning-based approach for predicting miRNA targets. <i>BMC Bioinformatics</i> , 2021, 22, 96.	1.2	13
777	Tissue micro-RNAs associated with colorectal cancer prognosis: a systematic review. <i>Molecular Biology Reports</i> , 2021, 48, 1853-1867.	1.0	8
778	Emerging Role of MiR-192-5p in Human Diseases. <i>Frontiers in Pharmacology</i> , 2021, 12, 614068.	1.6	44
779	Epigenetics and Communication Mechanisms in Microglia Activation with a View on Technological Approaches. <i>Biomolecules</i> , 2021, 11, 306.	1.8	10
780	SNHG17/miR-384/ELF1 axis promotes cell growth by transcriptional regulation of CTNNB1 to activate Wnt/ $\beta$ -catenin pathway in oral squamous cell carcinoma. <i>Cancer Gene Therapy</i> , 2022, 29, 122-132.	2.2	18
781	miR-101a-3p sensitizes lung adenocarcinoma cells to irradiation via targeting BIRC5. <i>Oncology Letters</i> , 2021, 21, 282.	0.8	11
782	The Role of MicroRNAs in the Induction of Pancreatic Differentiation. <i>Current Stem Cell Research and Therapy</i> , 2021, 16, 145-154.	0.6	5

#	ARTICLE	IF	CITATIONS
783	microRNA-mediated translation repression through GYF-1 and IFE-4 in <i>C. elegans</i> development. <i>Nucleic Acids Research</i> , 2021, 49, 4803-4815.	6.5	28
784	Biological implications of decapping: beyond bulk mRNA decay. <i>FEBS Journal</i> , 2022, 289, 1457-1475.	2.2	14
785	DeeReCT-APA: Prediction of Alternative Polyadenylation Site Usage Through Deep Learning. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 483-495.	3.0	20
786	Noncoding RNAs in Glioblastoma: Emerging Biological Concepts and Potential Therapeutic Implications. <i>Cancers</i> , 2021, 13, 1555.	1.7	24
787	Roles of Non-Coding RNAs in Cervical Cancer Metastasis. <i>Frontiers in Oncology</i> , 2021, 11, 646192.	1.3	10
788	MicroLet-7b Regulates Neutrophil Function and Dampens Neutrophilic Inflammation by Suppressing the Canonical TLR4/NF- $\kappa$ B Pathway. <i>Frontiers in Immunology</i> , 2021, 12, 653344.	2.2	17
789	Silencing SIX1 by miR-7160 inhibits non-small cell lung cancer cell growth. <i>Aging</i> , 2021, 13, 8055-8067.	1.4	1
790	LINC01977 Promotes Breast Cancer Progression and Chemoresistance to Doxorubicin by Targeting miR-212-3p/GOLM1 Axis. <i>Frontiers in Oncology</i> , 2021, 11, 657094.	1.3	14
791	Construction of Competitive Endogenous RNA Network and Verification of 3-Key LncRNA Signature Associated With Distant Metastasis and Poor Prognosis in Patients With Clear Cell Renal Cell Carcinoma. <i>Frontiers in Oncology</i> , 2021, 11, 640150.	1.3	21
792	The long noncoding RNA Synage regulates synapse stability and neuronal function in the cerebellum. <i>Cell Death and Differentiation</i> , 2021, 28, 2634-2650.	5.0	19
793	Muscle allele-specific expression QTLs may affect meat quality traits in <i>Bos indicus</i> . <i>Scientific Reports</i> , 2021, 11, 7321.	1.6	10
795	Exogenous miRNA: A Perspective Role as Therapeutic in Rheumatoid Arthritis. <i>Current Rheumatology Reports</i> , 2021, 23, 43.	2.1	13
797	LncRNA PVT1 Regulates High Glucose-Induced Viability, Oxidative Stress, Fibrosis, and Inflammation in Diabetic Nephropathy via miR-325-3p/Snail1 Axis. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 1741-1750.	1.1	11
798	Could MicroRNAs Be Useful Tools to Improve the Diagnosis and Treatment of Rare Gynecological Cancers? A Brief Overview. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3822.	1.8	12
799	Cytotoxic Effect of Progesterone, Tamoxifen and Their Combination in Experimental Cell Models of Human Adrenocortical Cancer. <i>Frontiers in Endocrinology</i> , 2021, 12, 669426.	1.5	15
800	CSDE1 attenuates microRNA-mediated silencing of PMEPA1 in melanoma. <i>Oncogene</i> , 2021, 40, 3231-3244.	2.6	9
801	Bioinformatics analysis of mRNA and miRNA microarray to identify the key miRNA-mRNA pairs in cisplatin-resistant ovarian cancer. <i>BMC Cancer</i> , 2021, 21, 452.	1.1	3
802	miRNAs Alter T Helper 17 Cell Fate in the Pathogenesis of Autoimmune Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 593473.	2.2	16

#	ARTICLE	IF	CITATIONS
803	The role of RNA-binding and ribosomal proteins as specific RNA translation regulators in cellular differentiation and carcinogenesis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166046.	1.8	10
805	Role of miRNA-19a in Cancer Diagnosis and Poor Prognosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4697.	1.8	25
807	Secreted therapeutics: monitoring durability of microRNA-based gene therapies in the central nervous system. <i>Brain Communications</i> , 2021, 3, fcab054.	1.5	4
808	Ago2 protects <i>Drosophila</i> siRNAs and microRNAs from target-directed degradation, even in the absence of 2 <i>O</i> -methylation. <i>Rna</i> , 2021, 27, 710-724.	1.6	17
809	Evolution after Whole-Genome Duplication: Teleost MicroRNAs. <i>Molecular Biology and Evolution</i> , 2021, 38, 3308-3331.	3.5	31
810	Elevated Levels of miR-144-3p Induce Cholinergic Degeneration by Impairing the Maturation of NGF in Alzheimer's Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 667412.	1.8	11
811	Liquid Biomarkers for Improved Diagnosis and Classification of CNS Tumors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4548.	1.8	22
812	Cell-type-specific profiling of loaded miRNAs from <i>Caenorhabditis elegans</i> reveals spatial and temporal flexibility in Argonaute loading. <i>Nature Communications</i> , 2021, 12, 2194.	5.8	32
813	Detecting and Characterizing A-To-I microRNA Editing in Cancer. <i>Cancers</i> , 2021, 13, 1699.	1.7	17
814	The Non-Coding RNA Landscape in IgA Nephropathy—Where Are We in 2021?. <i>Journal of Clinical Medicine</i> , 2021, 10, 2369.	1.0	1
815	Crystal structure and functional properties of the human CCR4-CAF1 deadenylase complex. <i>Nucleic Acids Research</i> , 2021, 49, 6489-6510.	6.5	16
816	miR-20a suppresses Treg differentiation by targeting Map3k9 in experimental autoimmune encephalomyelitis. <i>Journal of Translational Medicine</i> , 2021, 19, 223.	1.8	5
817	Role of nucleus accumbens microRNA-181a and MeCP2 in incubation of heroin craving in male rats. <i>Psychopharmacology</i> , 2021, 238, 2313-2324.	1.5	16
818	Long non-coding RNA LINC01559 serves as a competing endogenous RNA accelerating triple-negative breast cancer progression. <i>Biomedical Journal</i> , 2022, 45, 512-521.	1.4	9
819	Convolutional neural networks (CNNs): concepts and applications in pharmacogenomics. <i>Molecular Diversity</i> , 2021, 25, 1569-1584.	2.1	14
820	Roles of noncoding RNAs in the initiation and progression of myocardial ischemia—reperfusion injury. <i>Epigenomics</i> , 2021, 13, 715-743.	1.0	9
821	Transfer RNA Fragments in the Kidney in Hypertension. <i>Hypertension</i> , 2021, 77, 1627-1637.	1.3	3
822	What we can learn from embryos to understand the mesenchymal-to-epithelial transition in tumor progression. <i>Biochemical Journal</i> , 2021, 478, 1809-1825.	1.7	4

#	ARTICLE	IF	CITATIONS
823	Epigenetic Modulation of Microglia Function and Phenotypes in Neurodegenerative Diseases. <i>Neural Plasticity</i> , 2021, 2021, 1-13.	1.0	13
824	Association between long noncoding RNA taurine-upregulated gene 1 and microRNA-377 in vitiligo. <i>International Journal of Dermatology</i> , 2022, 61, 199-207.	0.5	11
825	Transcriptomic profile of the mice aging lung is associated with inflammation and apoptosis as important pathways. <i>Aging</i> , 2021, 13, 12378-12394.	1.4	7
826	A novel epigenetic mechanism unravels hsa-miR-148a-3p-mediated CYP2B6 downregulation in alcoholic hepatitis disease. <i>Biochemical Pharmacology</i> , 2021, 188, 114582.	2.0	12
827	High miR-30 Expression Associates with Improved Breast Cancer Patient Survival and Treatment Outcome. <i>Cancers</i> , 2021, 13, 2907.	1.7	3
829	Micro RNAs in Regulation of Cellular Redox Homeostasis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6022.	1.8	21
830	Multifaceted Regulation of MicroRNA Biogenesis: Essential Roles and Functional Integration in Neuronal and Glial Development. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6765.	1.8	14
831	In Silico Identification of miRNA-lncRNA Interactions in Male Reproductive Disorder Associated with COVID-19 Infection. <i>Cells</i> , 2021, 10, 1480.	1.8	14
832	Identification of exosome miRNAs in bronchial epithelial cells after PM2.5 chronic exposure. <i>Ecotoxicology and Environmental Safety</i> , 2021, 215, 112127.	2.9	17
833	Impact of scaffolding protein TNRC6 paralogs on gene expression and splicing. <i>Rna</i> , 2021, 27, 1004-1016.	1.6	10
834	Expression Regulation, Protein Chemistry and Functional Biology of the Guanine-Rich Sequence Binding Factor 1 (GRSF1). <i>Journal of Molecular Biology</i> , 2021, 433, 166922.	2.0	8
835	MicroRNA-1178-3p suppresses the growth of hepatocellular carcinoma by regulating transducin (beta)-like 1 X-linked receptor 1. <i>Human Cell</i> , 2021, 34, 1466-1477.	1.2	7
836	Identification of microRNAs and gene regulatory networks in cleft lip common in humans and mice. <i>Human Molecular Genetics</i> , 2021, 30, 1881-1893.	1.4	6
837	New Directions in Therapeutic Angiogenesis and Arteriogenesis in Peripheral Arterial Disease. <i>Circulation Research</i> , 2021, 128, 1944-1957.	2.0	82
838	Tetrahedral DNA nanostructures functionalized by multivalent microRNA132 antisense oligonucleotides promote the differentiation of mouse embryonic stem cells into dopaminergic neurons. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 34, 102375.	1.7	8
839	Deciphering Network Crosstalk: The Current Status and Potential of miRNA Regulatory Networks on the HSP40 Molecular Chaperone Network. <i>Frontiers in Genetics</i> , 2021, 12, 689922.	1.1	1
840	Long Non-coding RNA AFAP1-AS1 Facilitates Prostate Cancer Progression by Regulating miR-15b/IGF1R Axis. <i>Current Pharmaceutical Design</i> , 2021, 27, 4261-4269.	0.9	7
841	Exosomal microRNA in Pancreatic Cancer Diagnosis, Prognosis, and Treatment: From Bench to Bedside. <i>Cancers</i> , 2021, 13, 2777.	1.7	18



#	ARTICLE	IF	CITATIONS
842	Yorkie drives Ras-induced tumor progression by microRNA-mediated inhibition of cellular senescence. <i>Science Signaling</i> , 2021, 14, .	1.6	6
843	EGF-Induced miR-223 Modulates Goat Mammary Epithelial Cell Apoptosis and Inflammation via ISG15. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 660933.	1.8	6
844	MicroRNA Expression Changes in Kidney Transplant: Diagnostic Efficacy of miR-150-5p as Potential Rejection Biomarker, Pilot Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2748.	1.0	14
845	MAFG-driven osteosarcoma cell progression is inhibited by a novel miRNA miR-4660. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 24, 385-402.	2.3	22
846	TKI-Resistant Renal Cancer Secretes Low-Level Exosomal miR-549a to Induce Vascular Permeability and Angiogenesis to Promote Tumor Metastasis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 689947.	1.8	26
847	SMAD4 Inhibits Granulosa Cell Apoptosis via the miR-183-96-182 Cluster and FoxO1 Axis. <i>Reproductive Sciences</i> , 2022, 29, 1577-1585.	1.1	4
848	Regulation of Early Lymphocyte Development via mRNA Decay Catalyzed by the CCR4-NOT Complex. <i>Frontiers in Immunology</i> , 2021, 12, 715675.	2.2	5
849	CircGNG4 Promotes the Progression of Prostate Cancer by Sponging miR-223 to Enhance EYA3/c-myc Expression. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 684125.	1.8	9
850	A novel mechanism underlying alcohol dehydrogenase expression: hsa-miR-148a-3p promotes ADH4 expression via an AGO1-dependent manner in control and ethanol-exposed hepatic cells. <i>Biochemical Pharmacology</i> , 2021, 189, 114458.	2.0	20
851	Regulatory landscapes of specific miRNAs are conserved between cell lines and primary tumors. <i>F1000Research</i> , 0, 10, 633.	0.8	0
852	miR-4293 upregulates lncRNA WFDC21P by suppressing mRNA-decapping enzyme 2 to promote lung carcinoma proliferation. <i>Cell Death and Disease</i> , 2021, 12, 735.	2.7	19
853	MIR-532-3p suppresses cell viability, migration and invasion of clear cell renal cell carcinoma through targeting TROAP. <i>Cell Cycle</i> , 2021, 20, 1578-1588.	1.3	13
854	L2S-MirLoc: A Lightweight Two Stage MiRNA Sub-Cellular Localization Prediction Framework. , 2021, , .		2
855	Regulation of endothelial cell differentiation in embryonic vascular development and its therapeutic potential in cardiovascular diseases. <i>Life Sciences</i> , 2021, 276, 119406.	2.0	3
856	MIR-342 controls Mycobacterium tuberculosis susceptibility by modulating inflammation and cell death. <i>EMBO Reports</i> , 2021, 22, e52252.	2.0	22
857	Synthesis, characterization, and miRNA-mediated PI3K suppressing activity of novel cisplatin-derived complexes of selenones. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103245.	2.3	4
858	Epigenetics in hepatocellular carcinoma. <i>Seminars in Cancer Biology</i> , 2022, 86, 622-632.	4.3	64
859	miR-34a-5p regulates PINK1-mediated mitophagy via multiple modes. <i>Life Sciences</i> , 2021, 276, 119415.	2.0	13

#	ARTICLE	IF	CITATIONS
860	miR-29a-3p regulates the epithelial-mesenchymal transition via the SPARC/ERK signaling pathway in human bronchial epithelial cells. <i>International Journal of Molecular Medicine</i> , 2021, 48, .	1.8	3
861	Rational Design of Immunomodulatory Hydrogels for Chronic Wound Healing. <i>Advanced Materials</i> , 2021, 33, e2100176.	11.1	271
862	Unwinding the roles of RNA helicase MOV10. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1682.	3.2	16
863	Identification of miRNA signatures and their therapeutic potentials in prostate cancer. <i>Molecular Biology Reports</i> , 2021, 48, 5531-5539.	1.0	8
864	Fluid flow-induced left-right asymmetric decay of Dand5 mRNA in the mouse embryo requires a Bicc1-Ccr4 RNA degradation complex. <i>Nature Communications</i> , 2021, 12, 4071.	5.8	28
865	Computational Detection of MicroRNA Targets. <i>Methods in Molecular Biology</i> , 2022, 2257, 187-209.	0.4	5
867	LKB1 Down-Modulation by miR-17 Identifies Patients With NSCLC Having Worse Prognosis Eligible for Energy-Stress-Based Treatments. <i>Journal of Thoracic Oncology</i> , 2021, 16, 1298-1311.	0.5	9
868	Glutamine metabolism: from proliferating cells to cardiomyocytes. <i>Metabolism: Clinical and Experimental</i> , 2021, 121, 154778.	1.5	10
869	Mesenchymal stem cells transfected with anti-miRNA-204-3p inhibit acute rejection after heart transplantation by targeting C-X-C motif chemokine receptor 4 (CXCR4) in vitro. <i>Journal of Thoracic Disease</i> , 2021, 13, 5077-5092.	0.6	2
871	MiR-146b-5p targets IFI35 to inhibit inflammatory response and apoptosis via JAK1/STAT1 signalling in lipopolysaccharide-induced glomerular cells. <i>Autoimmunity</i> , 2021, 54, 430-438.	1.2	9
872	Cervical cancer development, chemoresistance, and therapy: a snapshot of involvement of microRNA. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 4363-4385.	1.4	19
873	MiRNAs and Cancer: Key Link in Diagnosis and Therapy. <i>Genes</i> , 2021, 12, 1289.	1.0	44
874	Non-coding RNA dysregulation in skin cancers. <i>Essays in Biochemistry</i> , 2021, 65, 641-655.	2.1	12
875	Browsing the oldest antioxidant enzyme: catalase and its multiple regulation in cancer. <i>Free Radical Biology and Medicine</i> , 2021, 172, 264-272.	1.3	72
876	MiREDiBase, a manually curated database of validated and putative editing events in microRNAs. <i>Scientific Data</i> , 2021, 8, 199.	2.4	18
877	miR-934 promotes breast cancer metastasis by regulation of PTEN and epithelial-mesenchymal transition. <i>Tissue and Cell</i> , 2021, 71, 101581.	1.0	8
879	Diagnostic performance of miR-214, BNP, NT-proBNP and soluble ST2 in acute heart failure. <i>International Journal of Clinical Practice</i> , 2021, 75, e14643.	0.8	3
880	Cellular 5'-3' mRNA Exoribonuclease XRN1 Inhibits Interferon Beta Activation and Facilitates Influenza A Virus Replication. <i>MBio</i> , 2021, 12, e0094521.	1.8	10

#	ARTICLE	IF	CITATIONS
881	The emerging role of microRNAs in fish ovary: A mini review. <i>General and Comparative Endocrinology</i> , 2021, 311, 113850.	0.8	5
882	<i>Cpeb1</i> expression is posttranscriptionally regulated by AUF1, CPEB1, and microRNAs. <i>FEBS Open Bio</i> , 2022, 12, 82-94.	1.0	4
883	MiR-4429 Alleviates Malignant Behaviors of Lung Adenocarcinoma Through Wnt/ $\beta^2$ -Catenin Pathway. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2021, , .	0.7	2
884	Extracellular miRNAs in redox signaling: Health, disease and potential therapies. <i>Free Radical Biology and Medicine</i> , 2021, 173, 170-187.	1.3	15
885	Meta-analysis of transcriptomic data reveals clusters of consistently deregulated gene and disease ontologies in Down syndrome. <i>PLoS Computational Biology</i> , 2021, 17, e1009317.	1.5	13
886	Sequence determinants as key regulators in gene expression of T cells. <i>Immunological Reviews</i> , 2021, 304, 10-29.	2.8	12
887	Modulation of MicroRNA Processing by Dicer via Its Associated dsRNA Binding Proteins. <i>Non-coding RNA</i> , 2021, 7, 57.	1.3	19
888	Identification of LINC00173 in Myasthenia Gravis by Integration Analysis of Aberrantly Methylated-Differentially Expressed Genes and ceRNA Networks. <i>Frontiers in Genetics</i> , 2021, 12, 726751.	1.1	5
889	Hypoxia regulates overall mRNA homeostasis by inducing Met1-linked linear ubiquitination of AGO2 in cancer cells. <i>Nature Communications</i> , 2021, 12, 5416.	5.8	23
890	Diagnostic and Prognostic Value of MicroRNAs in Metastasis and Recurrence of Head and Neck Squamous Cell Carcinoma: A Systematic Review and Meta-Analysis. <i>Frontiers in Oncology</i> , 2021, 11, 711171.	1.3	5
891	LentiRILES, a miRNA-ON sensor system for monitoring the functionality of miRNA in cancer biology and therapy. <i>RNA Biology</i> , 2021, 18, 198-214.	1.5	4
892	Roles of mRNA poly(A) tails in regulation of eukaryotic gene expression. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 93-106.	16.1	188
893	MicroRNA-directed pathway discovery elucidates an miR-221/222-mediated regulatory circuit in class switch recombination. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	6
894	Circ_0001490/miR-579-3p/FSTL1 axis modulates the survival of mycobacteria and the viability, apoptosis and inflammatory response in <i>Mycobacterium tuberculosis</i> -infected macrophages. <i>Tuberculosis</i> , 2021, 131, 102123.	0.8	10
895	Human Pumilio proteins directly bind the CCR4-NOT deadenylase complex to regulate the transcriptome. <i>Rna</i> , 2021, 27, 445-464.	1.6	32
896	siRNA Specificity: RNAi Mechanisms and Strategies to Reduce Off-Target Effects. <i>Frontiers in Plant Science</i> , 2020, 11, 526455.	1.7	62
897	Simulating allele frequency changes in Indonesian goat crossbreeding scenarios. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 637, 012025.	0.2	2
898	Comprehensive RNA expression profile of therapeutic adipose-derived mesenchymal stem cells co-cultured with degenerative nucleus pulposus cells. <i>Molecular Medicine Reports</i> , 2021, 23, .	1.1	3

#	ARTICLE	IF	CITATIONS
900	MiR-508-3p promotes proliferation and inhibits apoptosis of middle ear cholesteatoma cells by targeting PTEN/PI3K/AKT pathway. <i>International Journal of Medical Sciences</i> , 2021, 18, 3224-3235.	1.1	5
901	The roles of microRNAs in mouse development. <i>Nature Reviews Genetics</i> , 2021, 22, 307-323.	7.7	73
902	Stimuli-responsive hydrogel microcapsules for the amplified detection of microRNAs. <i>Nanoscale</i> , 2021, 13, 16799-16808.	2.8	23
903	Human umbilical cord mesenchymal stem cell-derived exosomal miR-27b attenuates subretinal fibrosis via suppressing epithelialâ€mesenchymal transition by targeting HOXC6. <i>Stem Cell Research and Therapy</i> , 2021, 12, 24.	2.4	40
904	Evaluation of MicroRNA Therapeutic Potential Using the Mouse In Vivo and Human Ex Vivo Wound Models. <i>Methods in Molecular Biology</i> , 2021, 2193, 67-75.	0.4	3
905	Communication Is Key: 5â€™â€3â€™ Interactions that Regulate mRNA Translation and Turnover. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1203, 149-164.	0.8	9
906	DAMP-Promoted Efferent Innate Immune Responses in Human Diseases: Inflammation. , 2020, , 151-209.		1
907	MicroRNA profiling in kidney disease: Plasma versus plasma-derived exosomes. <i>Gene</i> , 2017, 627, 1-8.	1.0	52
908	Non-coding RNA networks in cancer. <i>Nature Reviews Cancer</i> , 2018, 18, 5-18.	12.8	1,359
909	Oxygen glucose deprivation/re-oxygenation-induced neuronal cell death is associated with Lnc-D63785 m6A methylation and miR-422a accumulation. <i>Cell Death and Disease</i> , 2020, 11, 816.	2.7	46
910	Research and Development of Oligonucleotides Targeting MicroRNAs (miRNAs). <i>RSC Drug Discovery Series</i> , 2019, , 151-180.	0.2	2
911	An miRNA signature associated with tumor mutation burden in endometrial cancer. <i>Bioscience Reports</i> , 2020, 40, .	1.1	6
912	MicroRNAs as sentinels and protagonists of carotid artery thromboembolism. <i>Clinical Science</i> , 2020, 134, 169-192.	1.8	15
913	Bulges control pri-miRNA processing in a position and strand-dependent manner. <i>RNA Biology</i> , 2021, 18, 1716-1726.	1.5	20
914	Cooperative enhancement of translation by two adjacent microRNA-122/Argonaute 2 complexes binding to the 5â€™ untranslated region of hepatitis C virus RNA. <i>Journal of General Virology</i> , 2017, 98, 212-224.	1.3	15
915	Drosophila microRNA modulates viral replication by targeting a homologue of mammalian cJun. <i>Journal of General Virology</i> , 2017, 98, 1904-1912.	1.3	11
916	Wolbachia-mediated protection of Drosophila melanogaster against systemic infection with its natural viral pathogen Drosophila C virus does not involve changes in levels of highly abundant miRNAs. <i>Journal of General Virology</i> , 2018, 99, 827-831.	1.3	15
928	miR-181a Modulates Chondrocyte Apoptosis by Targeting Glycerol-3-Phosphate Dehydrogenase 1-Like Protein (GPD1L) in Osteoarthritis. <i>Medical Science Monitor</i> , 2017, 23, 1224-1231.	0.5	22

#	ARTICLE	IF	CITATIONS
929	Role of alarmin cytokines and microRNAs in the host-schistosome interaction. <i>F1000Research</i> , 2018, 7, 1571.	0.8	2
930	No evidence for Ago2 translocation from the host erythrocyte into the Plasmodium parasite. <i>Wellcome Open Research</i> , 2020, 5, 92.	0.9	2
931	GW182-Free microRNA Silencing Complex Controls Post-transcriptional Gene Expression during <i>Caenorhabditis elegans</i> Embryogenesis. <i>PLoS Genetics</i> , 2016, 12, e1006484.	1.5	27
932	Small RNA Profiling in Dengue Virus 2-Infected <i>Aedes</i> Mosquito Cells Reveals Viral piRNAs and Novel Host miRNAs. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004452.	1.3	113
933	MicroRNA and mRNA Transcriptome Profiling in Primary Human Astrocytes Infected with <i>Borrelia burgdorferi</i> . <i>PLoS ONE</i> , 2017, 12, e0170961.	1.1	25
934	Distinct repertoires of microRNAs present in mouse astrocytes compared to astrocyte-secreted exosomes. <i>PLoS ONE</i> , 2017, 12, e0171418.	1.1	68
935	Circulating miRNAs in sepsisâ€”A network under attack: An in-silico prediction of the potential existence of miRNA sponges in sepsis. <i>PLoS ONE</i> , 2017, 12, e0183334.	1.1	31
936	Expression and function of the miR-143/145 cluster in vitro and in vivo in human breast cancer. <i>PLoS ONE</i> , 2017, 12, e0186658.	1.1	34
937	Highly multiplexed single-cell quantitative PCR. <i>PLoS ONE</i> , 2018, 13, e0191601.	1.1	12
938	Analysis of host microRNA function uncovers a role for miR-29b-2-5p in <i>Shigella</i> capture by filopodia. <i>PLoS Pathogens</i> , 2017, 13, e1006327.	2.1	20
939	MicroRNA 26a (miR-26a)/KLF4 and CREB-C/EBP $\beta$ regulate innate immune signaling, the polarization of macrophages and the trafficking of <i>Mycobacterium tuberculosis</i> to lysosomes during infection. <i>PLoS Pathogens</i> , 2017, 13, e1006410.	2.1	128
940	Regional and subtype-dependent miRNA signatures in sporadic Creutzfeldt-Jakob disease are accompanied by alterations in miRNA silencing machinery and biogenesis. <i>PLoS Pathogens</i> , 2018, 14, e1006802.	2.1	26
941	MiR-33b inhibits osteosarcoma cell proliferation through suppression of glycolysis by targeting Lactate Dehydrogenase A (LDHA). <i>Cellular and Molecular Biology</i> , 2018, 64, 31-35.	0.3	17
942	Poly (ADP-Ribose) Polymerase-1 (PARP-1) Induction by Cocaine Is Post-Transcriptionally Regulated by miR-125b. <i>ENeuro</i> , 2017, 4, ENEURO.0089-17.2017.	0.9	24
943	Translation is required for miRNAâ€”dependent decay of endogenous transcripts. <i>EMBO Journal</i> , 2021, 40, e104569.	3.5	22
944	The role of miRNAs in regulating adrenal and gonadal steroidogenesis. <i>Journal of Molecular Endocrinology</i> , 2020, 64, R21-R43.	1.1	30
946	The circular RNA NT5E promotes non-small cell lung cancer cell growth via sponging microRNA-134. <i>Aging</i> , 2020, 12, 3936-3949.	1.4	20
947	Downregulation of circFASTKD1 ameliorates myocardial infarction by promoting angiogenesis. <i>Aging</i> , 2021, 13, 3588-3604.	1.4	14

#	ARTICLE	IF	CITATIONS
948	Induction of exportin-5 expression during melanoma development supports the cellular behavior of human malignant melanoma cells. <i>Oncotarget</i> , 2016, 7, 62292-62304.	0.8	19
949	CK2 targeted RNAi therapeutic delivered via malignant cell-directed tenfibgen nanocapsule: dose and molecular mechanisms of response in xenograft prostate tumors. <i>Oncotarget</i> , 2016, 7, 61789-61805.	0.8	14
950	TGF- $\beta$ 1 promotes colorectal cancer immune escape by elevating B7-H3 and B7-H4 via the miR-155/miR-143 axis. <i>Oncotarget</i> , 2016, 7, 67196-67211.	0.8	64
951	Competing endogenous RNA network analysis identifies critical genes among the different breast cancer subtypes. <i>Oncotarget</i> , 2017, 8, 10171-10184.	0.8	27
952	microRNA-302c-3p inhibits renal cell carcinoma cell proliferation by targeting Grb2-associated binding 2 (Gab2). <i>Oncotarget</i> , 2017, 8, 26334-26343.	0.8	23
953	microRNA-455 targets cullin 3 to activate Nrf2 signaling and protect human osteoblasts from hydrogen peroxide. <i>Oncotarget</i> , 2017, 8, 59225-59234.	0.8	38
954	miR-708-5p: a microRNA with emerging roles in cancer. <i>Oncotarget</i> , 2017, 8, 71292-71316.	0.8	49
955	MicroRNA-200a activates Nrf2 signaling to protect osteoblasts from dexamethasone. <i>Oncotarget</i> , 2017, 8, 104867-104876.	0.8	35
956	Targeting PP2A activates AMPK signaling to inhibit colorectal cancer cells. <i>Oncotarget</i> , 2017, 8, 95810-95823.	0.8	28
957	SphK2 over-expression promotes osteosarcoma cell growth. <i>Oncotarget</i> , 2017, 8, 105525-105535.	0.8	7
958	MicroRNA miR-147b promotes tumor growth via targeting UBE2N in hepatocellular carcinoma. <i>Oncotarget</i> , 2017, 8, 114072-114080.	0.8	24
959	microRNA-19a protects osteoblasts from dexamethasone via targeting TSC1. <i>Oncotarget</i> , 2018, 9, 2017-2027.	0.8	14
960	TIMP-1 downregulation modulates miR-125a-5p expression and triggers the apoptotic pathway. <i>Oncotarget</i> , 2018, 9, 8941-8956.	0.8	13
961	MicroRNA-375/SEC23A as biomarkers of the <i>in vitro</i> efficacy of vandetanib. <i>Oncotarget</i> , 2016, 7, 30461-30478.	0.8	44
962	miRNA expression and function in thyroid carcinomas: a comparative and critical analysis and a model for other cancers. <i>Oncotarget</i> , 2016, 7, 52475-52492.	0.8	33
963	Circulating micro-RNAs as biomarkers of coronary artery disease: is it ready for primetime or still a work in progress?. <i>Annals of Translational Medicine</i> , 2017, 5, 10-10.	0.7	2
964	Blood-based Biomarkers of Alzheimer's Disease: The Long and Winding Road. <i>Current Pharmaceutical Design</i> , 2020, 26, 1300-1315.	0.9	15
965	Neuroprotection with Natural Antioxidants and Nutraceuticals in the Context of Brain Cell Degeneration: The Epigenetic Connection. <i>Current Topics in Medicinal Chemistry</i> , 2020, 19, 2999-3011.	1.0	15

#	ARTICLE	IF	CITATIONS
966	Diverse Functions and Mechanisms of Pericytes in Ischemic Stroke. <i>Current Neuropharmacology</i> , 2017, 15, 892-905.	1.4	82
967	The Dawn of Mitophagy: What Do We Know by Now?. <i>Current Neuropharmacology</i> , 2020, 19, 170-192.	1.4	16
968	In Silico Study of Potential Cross-Kingdom Plant MicroRNA Based Regulation in Chronic Myeloid Leukemia. <i>Current Pharmacogenomics and Personalized Medicine</i> , 2020, 17, 125-132.	0.2	1
969	CSDE1 controls gene expression through the miRNA-mediated decay machinery. <i>Life Science Alliance</i> , 2020, 3, e201900632.	1.3	12
970	AGO unchained Canonical and non-canonical roles of Argonaute proteins in mammals. <i>Frontiers in Bioscience - Landmark</i> , 2020, 25, 1-42.	3.0	11
971	PVT1 Long Non-coding RNA in Gastrointestinal Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 38.	1.3	43
972	miR-21-KO Alleviates Alveolar Structural Remodeling and Inflammatory Signaling in Acute Lung Injury. <i>International Journal of Molecular Sciences</i> , 2020, 21, 822.	1.8	9
973	The Role of microRNAs in Epithelial Ovarian Cancer Metastasis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7093.	1.8	29
974	miRNA Targets: From Prediction Tools to Experimental Validation. <i>Methods and Protocols</i> , 2021, 4, 1.	0.9	101
975	A Tiny RNA Molecule with a Big Impact on Type 2 Diabetes Mellitus Susceptibility. <i>Biomedical and Environmental Sciences</i> , 2017, 30, 855-861.	0.2	5
976	Intravenous morphine self-administration alters accumbal microRNA profiles in the mouse brain. <i>Neural Regeneration Research</i> , 2018, 13, 77.	1.6	14
977	RNAi-mediated control of CRISPR functions. <i>Theranostics</i> , 2020, 10, 6661-6673.	4.6	10
978	Cotranslational microRNA mediated messenger RNA destabilization. <i>ELife</i> , 2016, 5, .	2.8	38
979	RISC-interacting clearing 3'UTR-5'UTR exoribonucleases (RICEs) degrade uridylylated cleavage fragments to maintain functional RISC in <i>Arabidopsis thaliana</i> . <i>ELife</i> , 2017, 6, .	2.8	48
980	Decoupling the impact of microRNAs on translational repression versus RNA degradation in embryonic stem cells. <i>ELife</i> , 2018, 7, .	2.8	54
981	MicroRNA-mediated control of developmental lymphangiogenesis. <i>ELife</i> , 2019, 8, .	2.8	15
982	Aire-dependent genes undergo Clp1-mediated 3'UTR shortening associated with higher transcript stability in the thymus. <i>ELife</i> , 2020, 9, .	2.8	13
983	Evidence of transfer of miRNAs from the diet to the blood still inconclusive. <i>PeerJ</i> , 2020, 8, e9567.	0.9	26



#	ARTICLE	IF	CITATIONS
984	The Drosophila MicroRNA Bantam Regulates Excitability in Adult Mushroom Body Output Neurons to Promote Early Night Sleep. SSRN Electronic Journal, 0, , .	0.4	0
985	Non-coding RNA basis of muscle atrophy. Molecular Therapy - Nucleic Acids, 2021, 26, 1066-1078.	2.3	22
986	The Cohesin Complex and Its Interplay with Non-Coding RNAs. Non-coding RNA, 2021, 7, 67.	1.3	3
987	Under the Radar: Strategies Used by <i>Helicobacter pylori</i> to Evade Host Responses. Annual Review of Physiology, 2022, 84, 485-506.	5.6	8
988	Cerebral derailment after myocardial infarct: mechanisms and effects of the signaling from the ischemic heart to brain. Journal of Molecular Medicine, 2022, 100, 23-41.	1.7	8
989	Role of miR-145-5p/ CD40 in the inflammation and apoptosis of HUVECs induced by PM2.5. Toxicology, 2021, 464, 152993.	2.0	6
990	Target-Triggered Nanomaterial Self-Assembly Induced Electromagnetic Hot-Spot Generation for SERS-Fluorescence Dual-Mode In Situ Monitoring MiRNA-Guided Phototherapy. Analytical Chemistry, 2021, 93, 13755-13764.	3.2	34
991	Prediction methods for microRNA targets in bilaterian animals: Toward a better understanding by biologists. Computational and Structural Biotechnology Journal, 2021, 19, 5811-5825.	1.9	6
992	Phosphoglycerate kinase 1 silencing by a novel microRNA microRNA-4523 protects human osteoblasts from dexamethasone through activation of Nrf2 signaling cascade. Cell Death and Disease, 2021, 12, 964.	2.7	12
993	MicroRNAs May Play an Important Role in Sexual Reversal Process of Chinese Soft-Shelled Turtle, Pelodiscus sinensis. Genes, 2021, 12, 1696.	1.0	7
994	MicroRNAs as biomarkers for acute myocardial infarction: Small molecules with a huge potential. Sanamed, 2015, 10, 127-135.	0.1	0
997	MicroRNA. , 2018, , 1-4.		0
999	Suppression of NFFFB Activation in Basal Keratinocytes via Cell Autonomous and Non-Autonomous Functions of MicroRNA 22333. SSRN Electronic Journal, 0, , .	0.4	0
1007	Non-coding RNA and Multiple Sclerosis: New Targets for Drug Discovery. RSC Drug Discovery Series, 2019, , 285-301.	0.2	0
1008	Micro-RNA. Springer Reference Medizin, 2019, , 1647-1648.	0.0	0
1010	In search for an ideal marker of endometrial receptivity: from histology to comprehensive molecular genetics-based approaches. Al-Manah KliniĀeskoj Mediciny, 2019, 47, 12-25.	0.2	9
1013	Small non-coding RNAs: from trash to treasure. Jornal Brasileiro De Nefrologia: Orgao Oficial De Sociedades Brasileira E Latino-Americana De Nefrologia, 2019, 41, 168-169.	0.4	1
1014	MicroRNA-584 prohibits hepatocellular carcinoma cell proliferation and invasion by directly targeting BDNF. Molecular Medicine Reports, 2019, 20, 1994-2001.	1.1	4

#	ARTICLE	IF	CITATIONS
1024	Detection of MicroRNAs Released from Argonautes. <i>Methods in Molecular Biology</i> , 2020, 2106, 151-159.	0.4	2
1026	No evidence for Ago2 translocation from the host erythrocyte into the Plasmodium parasite. <i>Wellcome Open Research</i> , 2020, 5, 92.	0.9	3
1029	DCAF1-targeting microRNA-3175 activates Nrf2 signaling and inhibits dexamethasone-induced oxidative injury in human osteoblasts. <i>Cell Death and Disease</i> , 2021, 12, 1024.	2.7	10
1030	Classical and noncanonical functions of miRNAs in cancers. <i>Trends in Genetics</i> , 2022, 38, 379-394.	2.9	94
1031	MiR-191 as a Key Molecule in Aneurysmal Aortic Remodeling. <i>Biomolecules</i> , 2021, 11, 1611.	1.8	3
1032	The value of microRNA-203 as a biomarker for the prognosis of esophageal cancer. <i>Medicine (United Tj ETQq1 1 0.784314 rgBT /Overlo</i>	0.4	2
1033	Integrative network analysis identified master regulatory long non-coding RNAs underlying the squamous subtype of pancreatic ductal adenocarcinoma. , 2020, , .		2
1034	A Nanodiamond-Based Surface Topography Downregulates the MicroRNA miR6236 to Enhance Neuronal Development and Regeneration. <i>ACS Applied Bio Materials</i> , 2021, 4, 890-902.	2.3	4
1035	Mixed-lineage leukemia protein modulates the loading of <i>let-7a</i> onto AGO1 by recruiting RAN. <i>Haematologica</i> , 2021, 106, 1995-1999.	1.7	1
1036	Predictive values of miR-129 and miR-139 for efficacy on patients with prostate cancer after chemotherapy and prognostic correlation. <i>Oncology Letters</i> , 2019, 18, 6187-6195.	0.8	1
1037	Adeno-associated virus-mediated gene therapy in central nervous system genetic disorders. , 2020, , 129-144.		0
1038	Chapter 2. Epigenetic Reprogramming by Endocrine Disrupting Chemicals. <i>Issues in Toxicology</i> , 2020, , 25-66.	0.2	0
1040	Epigenetik. , 2020, , 361-422.		0
1041	Multifaceted Roles of MicroRNAs in Host-Bacterial Pathogen Interaction. , 0, , 247-266.		0
1042	microRNA-1203 targets and silences cyclophilin D to protect human endometrial cells from oxygen and glucose deprivation-re-oxygenation. <i>Aging</i> , 2020, 12, 3010-3024.	1.4	6
1047	The promise of microRNA-based therapies in Alzheimer's disease: challenges and perspectives. <i>Molecular Neurodegeneration</i> , 2021, 16, 76.	4.4	52
1048	A database on differentially expressed microRNAs during rodent bladder healing. <i>Scientific Reports</i> , 2021, 11, 21881.	1.6	2
1049	MicroRNA regulation of critical retinal pigment epithelial functions. <i>Trends in Neurosciences</i> , 2022, 45, 78-90.	4.2	15

#	ARTICLE	IF	CITATIONS
1050	Identification of serum miR-378 and miR-575 as diagnostic indicators and predicting surgical prognosis in human epilepsy. <i>Journal of Medical Biochemistry</i> , 2022, 41, 184-190.	0.7	2
1051	Blood biomarkers for assessment of mitochondrial dysfunction: An expert review. <i>Mitochondrion</i> , 2022, 62, 187-204.	1.6	22
1054	Micro-RNA networks in T-cell polymphocytic leukemia reflect T-cell activation and shape DNA damage response and survival pathways. <i>Haematologica</i> , 2022, 107, 187-200.	1.7	10
1055	MicroRNA-126: Dual Role in Angiogenesis Dependent Diseases. <i>Current Pharmaceutical Design</i> , 2020, 26, 4883-4893.	0.9	8
1056	miR-489 acts as a tumor suppressor in human gastric cancer by targeting PROX1. <i>American Journal of Cancer Research</i> , 2016, 6, 2021-2030.	1.4	20
1057	MicroRNA-138 attenuates epithelial-to-mesenchymal transition by targeting SOX4 in clear cell renal cell carcinoma. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 3611-3622.	0.0	15
1058	Epigenetic and Epitranscriptomic Factors Make a Mark on Hematopoietic Stem Cell Development. <i>Current Stem Cell Reports</i> , 2018, 4, 22-32.	0.7	5
1059	Gemcitabine enhances OSI-027 cytotoxicity by upregulation of miR-663a in pancreatic ductal adenocarcinoma cells. <i>American Journal of Translational Research (discontinued)</i> , 2019, 11, 473-485.	0.0	4
1062	MicroRNA-142-3p inhibits high-glucose-induced endothelial-to-mesenchymal transition through targeting TGF- $\beta$ 1/Smad pathway in primary human aortic endothelial cells. <i>International Journal of Clinical and Experimental Pathology</i> , 2018, 11, 1208-1217.	0.5	9
1063	Downregulation of RIKP by miR-200a promotes the invasive ability of esophageal cancer cells by upregulating the expression of LIN28 and MMP-14. <i>International Journal of Clinical and Experimental Pathology</i> , 2017, 10, 8452-8460.	0.5	3
1064	The Effect of Composol Medium on miR-16 Expression during Platelet Storage up to Day 7 at Room Temperature. <i>Cell Journal</i> , 2021, 22, 542-547.	0.2	1
1065	Low expression of miR-99b promotes progression of clear cell renal cell carcinoma by up-regulating IGF1R/Akt/mTOR signaling. <i>International Journal of Clinical and Experimental Pathology</i> , 2020, 13, 3083-3091.	0.5	3
1066	MicroRNAs and their delivery in diabetic fibrosis. <i>Advanced Drug Delivery Reviews</i> , 2022, 182, 114045.	6.6	17
1067	MicroRNAs as Critical Biomarkers of Major Depressive Disorder: A Comprehensive Perspective. <i>Biomedicines</i> , 2021, 9, 1659.	1.4	21
1068	Platelet-derived microvesicles deliver miR-30e and promote VSMC apoptosis after balloon injury. <i>Medicine in Novel Technology and Devices</i> , 2021, , 100103.	0.9	1
1069	MiRNAs in Gestational Diabetes Mellitus: Potential Mechanisms and Clinical Applications. <i>Journal of Diabetes Research</i> , 2021, 2021, 1-14.	1.0	13
1070	miR-146a-5p/TXNIP axis attenuates intestinal ischemia-reperfusion injury by inhibiting autophagy via the PRKAA/mTOR signaling pathway. <i>Biochemical Pharmacology</i> , 2022, 197, 114839.	2.0	13
1071	Dexamethasone Suppresses Palatal Cell Proliferation through miR-130a-3p. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12453.	1.8	7

#	ARTICLE	IF	CITATIONS
1072	A coordinated function of lncRNA HOTTIP and miRNA-196b underpinning leukemogenesis by targeting FAS signaling. <i>Oncogene</i> , 2022, 41, 718-731.	2.6	7
1073	MicroRNAs: From Junk RNA to Life Regulators and Their Role in Cardiovascular Disease. <i>Neurology International</i> , 2021, 11, 230-254.	0.2	1
1074	microRNAs in Human Adipose Tissue Physiology and Dysfunction. <i>Cells</i> , 2021, 10, 3342.	1.8	19
1075	High miR-3609 expression is associated with better prognosis in TNBC based on mining using systematic integrated public sequencing data. <i>Experimental and Therapeutic Medicine</i> , 2021, 23, 54.	0.8	1
1076	The conserved single-cleavage mechanism of animal DROSHA enzymes. <i>Communications Biology</i> , 2021, 4, 1332.	2.0	8
1077	HT-SELEX-based identification of binding pre-miRNA hairpin-motif for small molecules. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 165-174.	2.3	4
1078	miRNA, lncRNA and circRNA: Targeted Molecules Full of Therapeutic Prospects in the Development of Diabetic Retinopathy. <i>Frontiers in Endocrinology</i> , 2021, 12, 771552.	1.5	26
1079	Non-coding RNAs: New players in mitophagy and neurodegeneration. <i>Neurochemistry International</i> , 2022, 152, 105253.	1.9	6
1080	Posttranscriptional regulation of Nrf2 through miRNAs and their role in Alzheimer's disease. <i>Pharmacological Research</i> , 2022, 175, 106018.	3.1	14
1081	miR-126 regulates angiogenesis in myocardial ischemia by targeting HIF-1 $\alpha$ . <i>Experimental Cell Research</i> , 2021, 409, 112925.	1.2	17
1082	MicroRNA and Alternative mRNA Splicing Events in Cancer Drug Response/Resistance: Potent Therapeutic Targets. <i>Biomedicine</i> , 2021, 9, 1818.	1.4	20
1083	MiR-339-5p promotes isoproterenol-induced cardiomyocyte hypertrophy by targeting VCP to activate the mTOR signaling. <i>Cell Biology International</i> , 2021, , .	1.4	6
1084	Silencing of the lncRNA H19 enhances sensitivity to X-ray and carbon-ions through the miR-130a-3p/WNK3 signaling axis in NSCLC cells. <i>Cancer Cell International</i> , 2021, 21, 644.	1.8	14
1085	A Method Based on Dual-network Information Fusion to Predict MiRNA-Disease Associations. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, PP, 1-1.	1.9	1
1086	FishmiRNA: An Evolutionarily Supported MicroRNA Annotation and Expression Database for Ray-Finned Fishes. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	16
1087	Biogenesis and mechanisms of microRNA-mediated gene regulation. <i>Biotechnology and Bioengineering</i> , 2022, 119, 685-692.	1.7	49
1089	An Insight into miR-1290: An Oncogenic miRNA with Diagnostic Potential. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1234.	1.8	12
1090	Molecular mechanisms of transgenerational epigenetic inheritance. <i>Nature Reviews Genetics</i> , 2022, 23, 325-341.	7.7	182

#	ARTICLE	IF	CITATIONS
1091	Deciphering the Epigenetic Code of Stem Cells Derived From Dental Tissues. <i>Frontiers in Dental Medicine</i> , 2022, 2, .	0.5	1
1092	A fungal microRNA-like RNA subverts host immunity and facilitates pathogen infection by silencing two host receptor-like kinase genes. <i>New Phytologist</i> , 2022, 233, 2503-2519.	3.5	19
1093	Identification of Bovine miRNAs with the Potential to Affect Human Gene Expression. <i>Frontiers in Genetics</i> , 2021, 12, 705350.	1.1	6
1095	Epigenetic alterations induced by genotoxic occupational and environmental human chemical carcinogens: An update of a systematic literature review. <i>Mutation Research - Reviews in Mutation Research</i> , 2022, 789, 108408.	2.4	10
1096	Dicer dependent tRNA derived small RNAs promote nascent RNA silencing. <i>Nucleic Acids Research</i> , 2022, 50, 1734-1752.	6.5	32
1097	Small Non-Coding RNAs in Leukemia. <i>Cancers</i> , 2022, 14, 509.	1.7	7
1098	Life of RISC: Formation, action, and degradation of RNA-induced silencing complex. <i>Molecular Cell</i> , 2022, 82, 30-43.	4.5	138
1099	The impact of MicroRNAs in Neonatal Necrotizing Enterocolitis & other inflammatory conditions of intestine. <i>Current Pediatric Reviews</i> , 2022, 18, .	0.4	0
1100	Wolbachia Utilizes lncRNAs to Activate the Anti-Dengue Toll Pathway and Balance Reactive Oxygen Species Stress in <i>Aedes aegypti</i> Through a Competitive Endogenous RNA Network. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 823403.	1.8	11
1101	Aspects of miRNAs as biomarkers in human diseases. <i>International Journal of Science Letters</i> , 0, , .	0.5	0
1103	MicroRNA, mRNA and protein responses to dehydration in skeletal muscle of the African-clawed frog, <i>Xenopus laevis</i> . <i>Gene Reports</i> , 2022, 26, 101507.	0.4	0
1104	ADAR1- and ADAR2-mediated regulation of maturation and targeting of miR-376b to modulate GABA neurotransmitter catabolism. <i>Journal of Biological Chemistry</i> , 2022, 298, 101682.	1.6	5
1105	Pitavastatin activates mitophagy to protect EPC proliferation through a calcium-dependent CAMK1-PINK1 pathway in atherosclerotic mice. <i>Communications Biology</i> , 2022, 5, 124.	2.0	14
1106	Sox6, A Potential Target for MicroRNAs in Cardiometabolic Disease. <i>Current Hypertension Reports</i> , 2022, 24, 145-156.	1.5	6
1107	Genomic Variants and Multilevel Regulation of ABCA1, ABCG1, and SCARB1 Expression in Atherogenesis. <i>Journal of Cardiovascular Development and Disease</i> , 2021, 8, 170.	0.8	8
1108	Genetics and epigenetics of healthy gametes, conception, and pregnancy establishment: embryo, mtDNA, and disease. , 2022, , 73-89.		0
1109	Overview on miRNA classification, biogenesis, and functions. , 2022, , 3-20.		2
1110	Decreased expression of miR-195 mediated by hypermethylation promotes osteosarcoma. <i>Open Medicine (Poland)</i> , 2022, 17, 441-452.	0.6	2

#	ARTICLE	IF	CITATIONS
1112	PABP prevents the untimely decay of select mRNA populations in human cells. <i>EMBO Journal</i> , 2022, 41, e108650.	3.5	7
1113	Integration of Multimodal Data from Disparate Sources for Identifying Disease Subtypes. <i>Biology</i> , 2022, 11, 360.	1.3	5
1114	MiR-597-5p suppresses the progression of hepatocellular carcinoma via targeting transcriptional enhancer associate domain transcription factor 1 (TEAD1). <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2022, 58, 96-108.	0.7	2
1115	Flexible pri-miRNA structures enable tunable production of 5â€™ isomiRs. <i>RNA Biology</i> , 2022, 19, 279-289.	1.5	5
1116	MicroRNA 3â€™-compensatory pairing occurs through two binding modes, with affinity shaped by nucleotide identity and position. <i>ELife</i> , 2022, 11, .	2.8	26
1118	Network Approaches to Study Endogenous RNA Competition and Its Impact on Tissue-Specific microRNA Functions. <i>Biomolecules</i> , 2022, 12, 332.	1.8	7
1119	Analysing miRNA-Target Gene Networks in Inflammatory Bowel Disease and Other Complex Diseases Using Transcriptomic Data. <i>Genes</i> , 2022, 13, 370.	1.0	4
1120	Significant modulations of linc001128 and linc0938 with miR-24-3p and miR-30c-5p in Parkinson disease. <i>Scientific Reports</i> , 2022, 12, 2569.	1.6	12
1121	Non-coding RNAs in Neonatal Necrotizing Enterocolitis. , 2022, 1, 120-130.		0
1122	PSRR: A Web Server for Predicting the Regulation of miRNAs Expression by Small Molecules. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 817294.	1.6	12
1123	Disruption of miR-18a Alters Proliferation, Photoreceptor Replacement Kinetics, Inflammatory Signaling, and Microglia/Macrophage Numbers During Retinal Regeneration in Zebrafish. <i>Molecular Neurobiology</i> , 2022, 59, 2910-2931.	1.9	8
1125	MicroRNAs and Progesterone Receptor Signaling in Endometriosis Pathophysiology. <i>Cells</i> , 2022, 11, 1096.	1.8	9
1126	The interplay between translational efficiency, poly(A) tails, microRNAs, and neuronal activation. <i>Rna</i> , 2022, 28, 808-831.	1.6	2
1127	Restoration of miR-23a expression by chidamide sensitizes CML cells to imatinib treatment with concomitant downregulation of CRYAB. <i>Bioengineered</i> , 2022, 13, 8881-8892.	1.4	2
1128	Current Advances in RNA Therapeutics for Human Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2736.	1.8	78
1129	Regulation of human UDP-glycosyltransferase (<i>UGT</i>) genes by miRNAs. <i>Drug Metabolism Reviews</i> , 2022, 54, 120-140.	1.5	10
1130	Modern plant biotechnology as a strategy in addressing climate change and attaining food security. <i>Agriculture and Food Security</i> , 2022, 11, .	1.6	48
1131	NEAT1: Culprit lncRNA linking PIG-C, MSLN, and CD80 in triple-negative breast cancer. <i>Life Sciences</i> , 2022, 299, 120523.	2.0	3

#	ARTICLE	IF	CITATIONS
1132	Preferential translation of p53 target genes. <i>RNA Biology</i> , 2022, 19, 437-452.	1.5	2
1133	Lipid-mediated phase separation of AGO proteins on the ER controls nascent-peptide ubiquitination. <i>Molecular Cell</i> , 2022, 82, 1313-1328.e8.	4.5	25
1134	Next-generation sequencing: A new avenue to understand viral RNA-protein interactions. <i>Journal of Biological Chemistry</i> , 2022, 298, 101924.	1.6	4
1135	Synthetic RNA-based post-transcriptional expression control methods and genetic circuits. <i>Advanced Drug Delivery Reviews</i> , 2022, 184, 114196.	6.6	9
1136	Novel circular RNA circ_0086722 drives tumor progression by regulating the miR-339-5p/STAT5A axis in prostate cancer. <i>Cancer Letters</i> , 2022, 533, 215606.	3.2	17
1137	miRNA Combinatorics and its Role in Cell State Control—A Probabilistic Approach. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 772852.	1.6	5
1138	Novel Therapies of Hepatitis B and D. <i>Microorganisms</i> , 2021, 9, 2607.	1.6	9
1139	Marathon-Induced Cardiac Strain as Model for the Evaluation of Diagnostic microRNAs for Acute Myocardial Infarction. <i>Journal of Clinical Medicine</i> , 2022, 11, 5.	1.0	4
1140	Simvastatin regulates the proliferation, apoptosis, migration and invasion of human acute myeloid leukemia cells via miR-19a-3p/HIF-1 $\alpha$ axis. <i>Bioengineered</i> , 2021, 12, 11898-11908.	1.4	13
1141	The p38 MAPK Components and Modulators as Biomarkers and Molecular Targets in Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 370.	1.8	29
1142	miR1908-5p regulates energy homeostasis in hepatocyte models. <i>Scientific Reports</i> , 2021, 11, 23748.	1.6	2
1143	Biological features between miRNAs and their targets are unveiled from deep learning models. <i>Scientific Reports</i> , 2021, 11, 23825.	1.6	0
1144	Porcine Reproductive and Respiratory Syndrome Virus Evades Antiviral Innate Immunity via MicroRNAs Regulation. <i>Frontiers in Microbiology</i> , 2021, 12, 804264.	1.5	5
1145	Role of circRNA-miRNA-mRNA interaction network in diabetes and its associated complications. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 1291-1302.	2.3	41
1146	Overexpression of miRNA miR-375 in HUVEC endothelial cell culture affects the expression of genes involved in the development of cardiovascular diseases. <i>Kardiologicheskii Vestnik</i> , 2022, 17, 29.	0.1	0
1147	Antiviral Potency of Small Interfering RNA Molecules. , 2022, , 603-640.		1
1148	scanMiR: a biochemically based toolkit for versatile and efficient microRNA target prediction. <i>Bioinformatics</i> , 2022, 38, 2466-2473.	1.8	15
1149	Making Invisible RNA Visible: Discriminative Sequencing Methods for RNA Molecules with Specific Terminal Formations. <i>Biomolecules</i> , 2022, 12, 611.	1.8	3



#	ARTICLE	IF	CITATIONS
1151	Sulfiredoxin Promotes Cancer Cell Invasion through Regulation of the miR143-Fascin Axis. <i>Molecular and Cellular Biology</i> , 2022, , e0005122.	1.1	0
1152	MicroRNA candidate miRcand137 in apple is induced by <i>Botryosphaeria dothidea</i> for impairing host defense. <i>Plant Physiology</i> , 2022, 189, 1814-1832.	2.3	11
1153	Secondary structure RNA elements control the cleavage activity of DICER. <i>Nature Communications</i> , 2022, 13, 2138.	5.8	21
1154	miR-155 Is a Positive Regulator of Fc $\gamma$ RI-Induced Cyclooxygenase-2 Expression and Cytokine Production in Mast Cells. <i>Frontiers in Allergy</i> , 2022, 3, .	1.2	2
1155	Elevated Expression of miR-200c/141 in MDA-MB-231 Cells Suppresses MXRA8 Levels and Impairs Breast Cancer Growth and Metastasis In Vivo. <i>Genes</i> , 2022, 13, 691.	1.0	7
1156	MicroRNA-449c-5p alleviates lipopolysaccharide-induced HUVECs injury via inhibiting the activation NF- $\kappa$ B signaling pathway by TAK1. <i>Molecular Immunology</i> , 2022, 146, 18-26.	1.0	2
1177	<i>enrichMiR</i> predicts functionally relevant microRNAs based on target collections. <i>Nucleic Acids Research</i> , 2022, 50, W280-W289.	6.5	5
1178	Small Noncoding RNA, microRNA in Gene Regulation. <i>Learning Materials in Biosciences</i> , 2022, , 167-190.	0.2	2
1179	Intramolecular ligation method (iLIME) for pre-miRNA quantification and sequencing. <i>Rna</i> , 2022, 28, 1028-1038.	1.6	3
1180	Prognostic and Immunotherapeutic Roles of KRAS in Pan-Cancer. <i>Cells</i> , 2022, 11, 1427.	1.8	2
1182	Epigenetic Regulations of Perineural Invasion in Head and Neck Squamous Cell Carcinoma. <i>Frontiers in Genetics</i> , 2022, 13, 848557.	1.1	4
1183	New Insights into Adipose Tissue Macrophages in Obesity and Insulin Resistance. <i>Cells</i> , 2022, 11, 1424.	1.8	25
1184	Recent Advances in Epigenetics of Age-Related Kidney Diseases. <i>Genes</i> , 2022, 13, 796.	1.0	6
1185	Pan-cancer analysis of microRNA expression profiles highlights microRNAs enriched in normal body cells as effective suppressors of multiple tumor types: A study based on TCGA database. <i>PLoS ONE</i> , 2022, 17, e0267291.	1.1	7
1186	Integrated Deadenylase Genetic Association Network and Transcriptome Analysis in Thoracic Carcinomas. <i>Molecules</i> , 2022, 27, 3102.	1.7	1
1187	RNA Helicases in Microsatellite Repeat Expansion Disorders and Neurodegeneration. <i>Frontiers in Genetics</i> , 2022, 13, .	1.1	3
1188	Circ_0003423 Alleviates Oxidized Low-Density Lipoprotein-Induced Endothelial Cell Injury by Sponging miR-142-3p and Activating Sirtuin 3/Superoxide Dismutase 2 Pathway. <i>Journal of Surgical Research</i> , 2022, 277, 384-397.	0.8	7
1189	Pancreatic Cancer: Nucleic Acid Drug Discovery and Targeted Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	4

#	ARTICLE	IF	CITATIONS
1190	Fluorescence-Based Activity Screening Assay Reveals Small Molecule Inhibitors of Vaccinia Virus mRNA Decapping Enzyme D9. <i>ACS Chemical Biology</i> , 2022, 17, 1460-1471.	1.6	3
1191	Target binding triggers hierarchical phosphorylation of human Argonaute-2 to promote target release. <i>ELife</i> , 0, 11, .	2.8	11
1192	MicroRNA. , 2022, , 4293-4296.		0
1193	Identification and Analysis of miRNAs and siRNAs in &lt;i>Botrytis cinerea&lt;/i>. <i>American Journal of Plant Sciences</i> , 2022, 13, 623-649.	0.3	0
1194	Study of microRNA expression in Salmonella Typhimurium-infected porcine ileum reveals miR-194a-5p as an important regulator of the TLR4-mediated inflammatory response. <i>Veterinary Research</i> , 2022, 53, .	1.1	3
1195	Structural Model of the Human BTG2&lt;sup>PABPC1</sup> Complex by Combining Mutagenesis, NMR Chemical Shift Perturbation Data and Molecular Docking. <i>Journal of Molecular Biology</i> , 2022, 434, 167662.	2.0	2
1196	Noncoding RNAs: A New Layer of Functional RNAs. <i>Current Pharmaceutical Biotechnology</i> , 2023, 24, 856-871.	0.9	2
1197	MiRNA miR-375 as a Multifunctional Regulator of the Cardiovascular System. <i>Molecular Biology</i> , 2022, 56, 363-371.	0.4	1
1198	The dsRBP Stauf2 governs RNP assembly of neuronal Argonaute proteins. <i>Nucleic Acids Research</i> , 2022, 50, 7034-7047.	6.5	2
1199	Lost in Translation: Exploring microRNA Biogenesis and Messenger RNA Fate in Anoxia-Tolerant Turtles. <i>Oxygen</i> , 2022, 2, 227-245.	1.6	3
1201	Imaging translational control by Argonaute with single-molecule resolution in live cells. <i>Nature Communications</i> , 2022, 13, .	5.8	17
1202	The Role of MicroRNA in the Regulation of Tumor Epithelial&lt;sup>Mesenchymal</sup> Transition. <i>Cells</i> , 2022, 11, 1981.	1.8	14
1203	Research progress and clinical application prospects of miRNAs in oral cancer. <i>Molecular Biology Reports</i> , 0, , .	1.0	3
1204	miRNA Involvement in Cerebral Ischemia-Reperfusion Injury. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	17
1206	The SARS-CoV-2 protein NSP2 impairs the silencing capacity of the human 4EHP-GIGYF2 complex. <i>IScience</i> , 2022, 25, 104646.	1.9	15
1207	miRNA-486-5p: signaling targets and role in non-malignant disease. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	11
1208	Anatomy of four human Argonaute proteins. <i>Nucleic Acids Research</i> , 2022, 50, 6618-6638.	6.5	42
1209	Plasma and urinary extracellular vesicle microRNAs and their related pathways in diabetic kidney disease. <i>Genomics</i> , 2022, 114, 110407.	1.3	7

#	ARTICLE	IF	CITATIONS
1210	Highly Sensitive Detection and Intracellular Imaging of Micrnas Based on Target-Triggered Cascade Catalytic Hairpin Assembly. SSRN Electronic Journal, 0, , .	0.4	0
1211	The origin of RNA interference: Adaptive or neutral evolution?. PLoS Biology, 2022, 20, e3001715.	2.6	14
1212	Nematode microRNAs can Individually Regulate Interferon Regulatory Factor 4 and mTOR in Differentiating T Helper 2 Lymphocytes and Modulate Cytokine Production in Macrophages. Frontiers in Molecular Biosciences, 0, 9, .	1.6	7
1213	A conserved domain of Drosophila RNA-binding protein Pumilio interacts with multiple CCR4â€“NOT deadenylase complex subunits to repress target mRNAs. Journal of Biological Chemistry, 2022, 298, 102270.	1.6	3
1214	The omics strategy: the use of systems vaccinology to characterize immune responses to childhood immunization. Expert Review of Vaccines, 2022, 21, 1205-1214.	2.0	6
1215	P-bodies directly regulate MARF1-mediated mRNA decay in human cells. Nucleic Acids Research, 2022, 50, 7623-7636.	6.5	7
1216	Small <scp>RNAs</scp> in Cnidaria: A review. Evolutionary Applications, 0, , .	1.5	3
1217	Significance of interferon signaling based on mRNA-microRNA integration and plasma protein analyses in critically ill COVID-19 patients. Molecular Therapy - Nucleic Acids, 2022, 29, 343-353.	2.3	10
1218	Circ_0138960 knockdown alleviates lipopolysaccharide-induced inflammatory response and injury in human dental pulp cells by targeting miR-545-5p/MYD88 axis in pulpitis. Journal of Dental Sciences, 2022, , .	1.2	1
1219	MicroRNA turnover: a tale of tailing, trimming, and targets. Trends in Biochemical Sciences, 2023, 48, 26-39.	3.7	28
1220	RNA solutions to treat inborn errors of metabolism. Molecular Genetics and Metabolism, 2022, 136, 289-295.	0.5	6
1221	Comprehensive analysis of ncRNA involvement in brain microglia immunology. Clinical Immunology, 2022, 241, 109075.	1.4	0
1222	Highly sensitive detection and intracellular imaging of MicroRNAs based on target-triggered cascade catalytic hairpin assembly. Talanta, 2022, 250, 123753.	2.9	7
1223	Change of Heart: the Epitranscriptome of Small Non-coding RNAs in Heart Failure. Current Heart Failure Reports, 0, , .	1.3	3
1225	Exosomes carried miR-181c-5p alleviates neuropathic pain in CCI rat models. Anais Da Academia Brasileira De Ciencias, 2022, 94, .	0.3	13
1227	MicroRNAs and Their Big Therapeutic Impacts: Delivery Strategies for Cancer Intervention. Cells, 2022, 11, 2332.	1.8	19
1229	miRâ€“146aâ€“5p negatively regulates the ILâ€“1Î²â€“stimulated inflammatory response via downregulation of the IRAK1/TRAF6 signaling pathway in human intestinal epithelial cells. Experimental and Therapeutic Medicine, 2022, 24, .	0.8	3
1230	The Correlation of PM2.5 Exposure with Acute Attack and Steroid Sensitivity in Asthma. BioMed Research International, 2022, 2022, 1-8.	0.9	8

#	ARTICLE	IF	CITATIONS
1231	Pan-cancer analysis of mRNA stability for decoding tumour post-transcriptional programs. <i>Communications Biology</i> , 2022, 5, .	2.0	5
1232	Cloning and Sequencing Eukaryotic Small RNAs. <i>Current Protocols</i> , 2022, 2, .	1.3	2
1234	miR-106b enhances human mesenchymal stem cell differentiation to spermatogonial stem cells under germ cell profile genes involved in TGF- $\beta$ signaling pathways. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2022, 58, 539-548.	0.7	1
1235	miR-21-3p and miR-192-5p in patients with type 2 diabetic nephropathy. <i>Diagnosis</i> , 2022, 9, 499-507.	1.2	3
1236	Panoramic view of microRNAs in regulating cancer stem cells. <i>Essays in Biochemistry</i> , 2022, 66, 345-358.	2.1	7
1238	The <i>Drosophila</i> microRNA bantam regulates excitability in adult mushroom body output neurons to promote early night sleep. <i>IScience</i> , 2022, 25, 104874.	1.9	2
1239	Crosstalk between Glycogen-Selective Autophagy, Autophagy and Apoptosis as a Road towards Modifier Gene Discovery and New Therapeutic Strategies for Glycogen Storage Diseases. <i>Life</i> , 2022, 12, 1396.	1.1	1
1240	Noncoding RNAs in cataract formation: Star molecules emerge in an endless stream. <i>Pharmacological Research</i> , 2022, 184, 106417.	3.1	6
1241	Function of microRNAs in the cytoplasm. , 2022, , 91-107.		0
1242	MicroRNAs and the immune system. , 2022, , 279-305.		1
1243	Identification of Key MicroRNAs Regulating ELOVL6 and Glioblastoma Tumorigenesis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1244	The Role of DACT Family Members in Tumorigenesis and Tumor Progression. <i>International Journal of Biological Sciences</i> , 2022, 18, 4532-4544.	2.6	2
1245	A UHPLC/MS/MS Assay Based on an Isotope-Labeled Peptide for Sensitive miR-21 Detection in HCC Serum. <i>Oncologie</i> , 2022, 24, 513-526.	0.2	1
1246	Regulation of gene expression in mammals. , 2022, , 1-31.		0
1247	Small RNAs and their protein partners in animal meiosis. <i>Current Topics in Developmental Biology</i> , 2022, , .	1.0	1
1248	Uncovering Small RNAs in <i>Penicillium digitatum</i> by Transcriptome Sequencing. <i>American Journal of Plant Sciences</i> , 2022, 13, 1006-1022.	0.3	0
1249	Methods to Evaluate the Effects of Synonymous Variants. , 2022, , 133-168.		1
1250	A clustering-based sampling method for miRNA-disease association prediction. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	2

#	ARTICLE	IF	CITATIONS
1251	Association of Polymorphic Variants in Argonaute Genes with Depression Risk in a Polish Population. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10586.	1.8	2
1252	Unveiling caspase-2 regulation by non-coding RNAs. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	2
1255	Astrocyte Activation Markers. <i>Biochemistry (Moscow)</i> , 2022, 87, 851-870.	0.7	2
1256	Atrial myocyte-derived exosomal microRNA contributes to atrial fibrosis in atrial fibrillation. <i>Journal of Translational Medicine</i> , 2022, 20, .	1.8	9
1257	A miR-15a related polymorphism affects NSCLC prognosis via altering ERCC1 repair to platinum-based chemotherapy. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 5439-5451.	1.6	5
1258	Robust and efficient COVID-19 detection techniques: A machine learning approach. <i>PLoS ONE</i> , 2022, 17, e0274538.	1.1	4
1260	Role of microRNAs in trophoblast invasion and spiral artery remodeling: Implications for preeclampsia. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	9
1261	Long noncoding RNA TMEM147-AS1 serves as a microRNA-326 sponge to aggravate the malignancy of gastric cancer by upregulating SMAD5. <i>Oncology Research</i> , 2021, 29, 263-273.	0.6	4
1262	Epigenetics and Phenotypic Plasticity in Animals. , 2022, , 35-108.		1
1263	MicroRNAs™ Crucial Role in Salivary Gland Cancers™ Onset and Prognosis. <i>Cancers</i> , 2022, 14, 5304.	1.7	2
1264	Upregulation of miR-29b-3p alleviates coronary microembolization-induced myocardial injury via regulating BMF and GSK-3 $\beta$ . <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2023, 28, 210-221.	2.2	1
1265	miRNAs in anti-cancer drug resistance of non-small cell lung cancer: Recent advances and future potential. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	7
1266	Mechanisms of action of cytoplasmic miRNAs. Part 4. Recruitment of the DCP1-DCP2 decapping complex. Mechanisms of final mRNA degradation. <i>Zdorovĕ Rebenka</i> , 2022, 17, 256-261.	0.0	0
1267	The role of macrophage scavenger receptor 1 (MSR1) in inflammatory disorders and cancer. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	22
1268	Long non-coding RNAs and microRNAs as regulators of stress in cancer (Review). <i>Molecular Medicine Reports</i> , 2022, 26, .	1.1	2
1269	MiR92b-3p synthetic analogue impairs zebrafish embryonic development, leading to ocular defects, decreased movement and hatching rate, and increased mortality. <i>Journal of Applied Genetics</i> , 0, , .	1.0	0
1270	RNA interference (RNAi)-based therapeutics for treatment of rare neurologic diseases. <i>Molecular Aspects of Medicine</i> , 2023, 91, 101148.	2.7	5
1271	Allele-specific differential regulation of monoallelically expressed autosomal genes in the cardiac lineage. <i>Nature Communications</i> , 2022, 13, .	5.8	1

#	ARTICLE	IF	CITATIONS
1272	miR-148a-3p and DDX6 functional link promotes survival of myeloid leukemia cells. <i>Blood Advances</i> , 2023, 7, 3846-3861.	2.5	2
1273	MicroRNAs: Small molecules with big impacts in liver injury. <i>Journal of Cellular Physiology</i> , 2023, 238, 32-69.	2.0	8
1274	MicroRNAs modulate neuroinflammation after intracerebral hemorrhage: Prospects for new therapy. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
1275	Study on the Mechanism of miR-125b-5p Affecting Melanocyte Biological Behavior and Melanogenesis in Vitiligo through Regulation of MITF. <i>Disease Markers</i> , 2022, 2022, 1-17.	0.6	2
1276	Development of microglia-targeting adeno-associated viral vectors as tools to study microglial behavior in vivo. <i>Communications Biology</i> , 2022, 5, .	2.0	10
1277	High-Throughput Analysis Reveals miRNA Upregulating $\alpha$ -2,6-Sialic Acid through Direct miRNA-mRNA Interactions. <i>ACS Central Science</i> , 2022, 8, 1527-1536.	5.3	10
1280	Identification of core genes in prefrontal cortex and hippocampus of Alzheimer's disease based on mRNA-miRNA network. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 5779-5793.	1.6	2
1281	Cerebrospinal Fluid biomarkers in pediatric brain tumors: A systematic review. <i>Neoplasia</i> , 2023, 35, 100852.	2.3	2
1282	Immunohistochemical expression of Drosha is reduced in eutopic and ectopic endometrium of women with adenomyosis. <i>Brazilian Journal of Medical and Biological Research</i> , 0, 55, .	0.7	1
1283	The nexus between RNA-binding proteins and their effectors. <i>Nature Reviews Genetics</i> , 2023, 24, 276-294.	7.7	16
1284	Cellular nanomechanics derived from pattern-dependent focal adhesion and cytoskeleton to balance gene transfection of malignant osteosarcoma. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	3
1285	Biological implications and clinical potential of invasion and migration related miRNAs in glioma. <i>Frontiers in Integrative Neuroscience</i> , 0, 16, .	1.0	2
1287	Cancer Stem Cells-The Insight into Non-Coding RNAs. <i>Cells</i> , 2022, 11, 3699.	1.8	2
1288	The microRNA Lifecycle in Health and Cancer. <i>Cancers</i> , 2022, 14, 5748.	1.7	11
1289	Effects of hsa-miR-9-3p and hsa-miR-9-5p on Topoisomerase II $\alpha$ Expression in Human Leukemia K562 Cells with Acquired Resistance to Etoposide. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2023, 384, 265-276.	1.3	2
1290	MiR-148a deletion protects from bone loss in physiological and estrogen-deficient mice by targeting NRP1. <i>Cell Death Discovery</i> , 2022, 8, .	2.0	3
1291	LncRNA SNHG7 Knockdown Aggravates Hepatic Ischemia-Reperfusion Injury and Promotes Apoptosis in Hemorrhagic Shock Pregnant Rats by Modulating miR-34a-5p/YWHAG Axis. <i>Molecular Biotechnology</i> , 2023, 65, 983-996.	1.3	1
1292	MicroRNAs: a crossroad that connects obesity to immunity and aging. <i>Immunity and Ageing</i> , 2022, 19, .	1.8	9

#	ARTICLE	IF	CITATIONS
1293	A specific type of Argonaute phosphorylation regulates binding to microRNAs during <i>C. elegans</i> development. <i>Cell Reports</i> , 2022, 41, 111822.	2.9	10
1294	The Role of microRNAs in Inflammation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15479.	1.8	23
1295	Matrix reconstruction with reliable neighbors for predicting potential MiRNA-disease associations. <i>Briefings in Bioinformatics</i> , 2023, 24, .	3.2	9
1296	RNA Therapeutics for Improving CAR T-cell Safety and Efficacy. <i>Cancer Research</i> , 2023, 83, 354-362.	0.4	6
1297	miR-193b-3p Promotes Proliferation of Goat Skeletal Muscle Satellite Cells through Activating IGF2BP1. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15760.	1.8	1
1298	Intersections of Ubiquitin-Proteasome System and Autophagy in Promoting Growth of Glioblastoma Multiforme: Challenges and Opportunities. <i>Cells</i> , 2022, 11, 4063.	1.8	1
1299	The role of miRNA and lncRNA in heterotopic ossification pathogenesis. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	3
1300	Comprehensive Analysis of FASN in Tumor Immune Infiltration and Prognostic Value for Immunotherapy and Promoter DNA Methylation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15603.	1.8	4
1301	MirDIP 5.2: tissue context annotation and novel microRNA curation. <i>Nucleic Acids Research</i> , 2023, 51, D217-D225.	6.5	10
1302	NcPath: a novel platform for visualization and enrichment analysis of human non-coding RNA and KEGG signaling pathways. <i>Bioinformatics</i> , 2023, 39, .	1.8	13
1303	MicroRNA-200c Affects Milk Fat Synthesis by Targeting PANK3 in Ovine Mammary Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15601.	1.8	2
1304	Comprehensive re-analysis of hairpin small RNAs in fungi reveals loci with conserved links. <i>ELife</i> , 0, 11, .	2.8	4
1306	Apoptosis-modulatory miR-361-3p as a novel treatment target in endocrine-responsive and endocrine-resistant breast cancer. <i>Journal of Endocrinology</i> , 2023, 256, .	1.2	1
1307	Non-coding RNAs in immunoregulation and autoimmunity: Technological advances and critical limitations. <i>Journal of Autoimmunity</i> , 2023, 134, 102982.	3.0	7
1308	MicroRNAs: Small Molecules with Significant Functions, Particularly in the Context of Viral Hepatitis B and C Infection. <i>Medicina (Lithuania)</i> , 2023, 59, 173.	0.8	3
1309	miR-6742-5p regulates the invasion and migration of lung adenocarcinoma cells via mediating FGF8/ERK12/MMP9/MMP2 signaling pathway. <i>Aging</i> , 2023, 15, 53-69.	1.4	3
1310	Î²-Defensin-1 Regulates Influenza Virus Infection in Human Bronchial Epithelial Cells through the STAT3 Signaling Pathway. <i>Pathogens</i> , 2023, 12, 123.	1.2	3
1311	Expression of microRNA Predicts Cardiovascular Events in Patients with Stable Coronary Artery Disease. <i>Thrombosis and Haemostasis</i> , 2023, 123, 307-316.	1.8	3



#	ARTICLE	IF	CITATIONS
1312	CircHGS enhances the progression of bladder cancer by regulating the miR-513a-5p/VEGFC axis and activating the AKT/mTOR signaling pathway. <i>Cell Cycle</i> , 2023, 22, 919-938.	1.3	3
1314	MicroRNA-1205 Suppresses Hepatocellular Carcinoma Cell Proliferation via a CSNK2B/CDK4 Axis. <i>Technology in Cancer Research and Treatment</i> , 2023, 22, 153303382211505.	0.8	1
1315	Dissection of the <i>Caenorhabditis elegans</i> Microprocessor. <i>Nucleic Acids Research</i> , 2023, 51, 1512-1527.	6.5	5
1316	A three-dimensional DNA walker and silver nanoparticles promoting lattice-strain-driven photo-induced electron transfer for high-performance semi-homogeneous biosensing. <i>Sensors and Actuators B: Chemical</i> , 2023, 380, 133362.	4.0	0
1317	MicroRNAs in the Regulation of NADPH Oxidases in Vascular Diabetic and Ischemic Pathologies: A Case for Alternate Inhibitory Strategies?. <i>Antioxidants</i> , 2023, 12, 70.	2.2	1
1318	MicroRNAs as Biomarkers for Coronary Artery Disease Related to Type 2 Diabetes Mellitus: From Pathogenesis to Potential Clinical Application. <i>International Journal of Molecular Sciences</i> , 2023, 24, 616.	1.8	5
1319	MFIDMA: A Multiple Information Integration Model for the Prediction of Drug-miRNA Associations. <i>Biology</i> , 2023, 12, 41.	1.3	3
1320	miR-23a-3p and miR-181a-5p modulate SNAP-25 expression. <i>PLoS ONE</i> , 2023, 18, e0279961.	1.1	1
1321	Unraveling Complex MicroRNA Signaling Pathways with Activity-Based Protein Profiling to Guide Therapeutic Discovery**. <i>Israel Journal of Chemistry</i> , 0, , .	1.0	0
1322	Resveratrol improves diabetes-induced cognitive dysfunction in part through the miR-146a-5p / TXNIP axis. <i>Kaohsiung Journal of Medical Sciences</i> , 0, , .	0.8	0
1323	The effect of microRNA on protein variability and gene expression fidelity. <i>Biophysical Journal</i> , 2023, 122, 905-923.	0.2	2
1324	The miR-27a-3p/FTO axis modifies hypoxia-induced malignant behaviors of glioma cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2023, , .	0.9	0
1325	MicroRNAs associated with <i>Helicobacter pylori</i> and Epstein-Barr virus infections in gastric cancer. , 2023, , 71-94.		0
1326	The epigenetic basis of evolution. <i>Progress in Biophysics and Molecular Biology</i> , 2023, 178, 57-69.	1.4	7
1327	Identification of long non-coding RNA and circular RNA associated networks in cellular stress responses. <i>Frontiers in Genetics</i> , 0, 14, .	1.1	2
1328	Molecular basis for GIGYF-TNRC6 complex assembly. <i>Rna</i> , 2023, 29, 724-734.	1.6	3
1329	Drug-disease interaction: Clinical consequences of inflammation on drugs action and disposition. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 0, 26, .	0.9	3
1330	A conserved RNAi molecule Ago2 involved in antiviral immunity of oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2023, 142, 104668.	1.0	0

#	ARTICLE	IF	CITATIONS
1331	The protective effect of lncRNA NEAT1/miR-122-5p/Wnt1 axis on hippocampal damage in hepatic ischemic reperfusion young mice. <i>Cellular Signalling</i> , 2023, 107, 110668.	1.7	1
1332	Argonaute proteins confer immunity in all domains of life. <i>Current Opinion in Microbiology</i> , 2023, 74, 102313.	2.3	13
1333	Understanding the Pathogenesis of Cardiac Complications in Patients with Propionic Acidemia and Exploring Therapeutic Alternatives for Those Who Are Not Eligible or Are Waiting for Liver Transplantation. <i>Metabolites</i> , 2023, 13, 563.	1.3	0
1334	Identification of key microRNAs regulating ELOVL6 and glioblastoma tumorigenesis. <i>BBA Advances</i> , 2023, 3, 100078.	0.7	1
1335	MicroRNAs in Macrophages: Regulators of Activation and Function. <i>Journal of Immunology</i> , 2023, 210, 359-368.	0.4	3
1336	Cation-Chloride Cotransporters KCC2 and NKCC1 as Therapeutic Targets in Neurological and Neuropsychiatric Disorders. <i>Molecules</i> , 2023, 28, 1344.	1.7	6
1337	SRSF7 and SRSF3 depend on RNA sequencing motifs and secondary structures to regulate Microprocessor. <i>Life Science Alliance</i> , 2023, 6, e202201779.	1.3	3
1338	An old friend with a new face: tRNA-derived small RNAs with big regulatory potential in cancer biology. <i>British Journal of Cancer</i> , 2023, 128, 1625-1635.	2.9	8
1339	Human cytomegalovirus infection perturbs neural progenitor cell fate via the expression of viral microRNAs. <i>Journal of Medical Virology</i> , 2023, 95, .	2.5	3
1340	What Are the Functional Roles of Piwi Proteins and piRNAs in Insects?. <i>Insects</i> , 2023, 14, 187.	1.0	6
1341	The Ubiquitin-specific Protease USP36 Associates with the Microprocessor Complex and Regulates miRNA Biogenesis by SUMOylating DGCR8. <i>Cancer Research Communications</i> , 2023, 3, 459-470.	0.7	1
1343	Signaling pathways in rheumatoid arthritis: implications for targeted therapy. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	58
1344	microRNAs as biomarkers of risk of major adverse cardiovascular events in atrial fibrillation. <i>Frontiers in Cardiovascular Medicine</i> , 0, 10, .	1.1	3
1345	CircRTN1 stimulates HMGB1 to regulate the malignant progression of papillary thyroid cancer by sponging miR-101-3p. <i>Hormones</i> , 2023, 22, 281-293.	0.9	2
1346	Forkhead box <scp>L2</scp> is a target of <scp>miR</scp> â€”133b and plays an important role in the pathogenesis of nonâ€”small cell lung cancer. <i>Cancer Medicine</i> , 0, , .	1.3	1
1347	Crosstalk between microRNAs and epigenetics during brain development and neurological diseases. , 2023, , 173-207.		0
1348	Epigenetics as a versatile regulator of fibrosis. <i>Journal of Translational Medicine</i> , 2023, 21, .	1.8	8
1349	Transgene Bioconfinement: Donâ€™t Flow There. <i>Plants</i> , 2023, 12, 1099.	1.6	1

#	ARTICLE	IF	CITATIONS
1351	Insights into Online microRNA Bioinformatics Tools. <i>Non-coding RNA</i> , 2023, 9, 18.	1.3	3
1352	Non-Coding RNAs Modulating Estrogen Signaling and Response to Endocrine Therapy in Breast Cancer. <i>Cancers</i> , 2023, 15, 1632.	1.7	7
1353	A systematic mini-review of epigenetic mechanisms associated with electroconvulsive therapy in humans. <i>Frontiers in Human Neuroscience</i> , 0, 17, .	1.0	2
1357	The pre-miRNA cleavage assays for DICER. <i>Methods in Enzymology</i> , 2023, , .	0.4	0
1358	Arsenic resistance protein 2 and microRNA biogenesis: Biological implications in cancer development. , 2023, 244, 108386.		0
1359	Exosomal Non-Coding RNAs: Novel Regulators of Macrophage-Linked Intercellular Communication in Lung Cancer and Inflammatory Lung Diseases. <i>Biomolecules</i> , 2023, 13, 536.	1.8	2
1360	A summary of the current diagnostic methods for, and exploration of the value of microRNAs as biomarkers in, sepsis-associated encephalopathy. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	4
1361	MicroRNAs in cancer metastasis: biological and therapeutic implications. <i>Expert Reviews in Molecular Medicine</i> , 2023, 25, .	1.6	9
1362	Control of RNA degradation in cell fate decision. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	3
1363	Circulating miRNA as a Biomarker in Oral Cancer Liquid Biopsy. <i>Biomedicines</i> , 2023, 11, 965.	1.4	4
1364	Post-transcriptional control of hemostatic genes: mechanisms and emerging therapeutic concepts in thrombo-inflammatory disorders. <i>Cardiovascular Research</i> , 0, , .	1.8	3
1365	Well-Aligned Track-Accelerated Tripedal DNA Walker for Photoelectrochemical Recognition of Dual-miRNAs Based on Molecular Logic Gates. <i>Analytical Chemistry</i> , 2023, 95, 5764-5772.	3.2	9
1366	Kidney fibrosis: from mechanisms to therapeutic medicines. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	54
1367	The Role of MicroRNA in the Pathogenesis of Diabetic Nephropathy. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6214.	1.8	5
1369	Hydrogen sulfide and epigenetics: Novel insights into the cardiovascular effects of this gasotransmitter. <i>British Journal of Pharmacology</i> , 2023, 180, 1793-1802.	2.7	5
1370	Utilizing functional cell-free extracts to dissect ribonucleoprotein complex biology at single-molecule resolution. <i>Wiley Interdisciplinary Reviews RNA</i> , 2023, 14, .	3.2	0
1371	Noncoding RNAs as Key Regulators for Cardiac Development and Cardiovascular Diseases. <i>Journal of Cardiovascular Development and Disease</i> , 2023, 10, 166.	0.8	4
1372	The role of noncoding <sc>RNAs</sc> in pancreatic birth defects. <i>Birth Defects Research</i> , 0, , .	0.8	0

#	ARTICLE	IF	CITATIONS
1373	Regulation of eukaryotic mRNA deadenylation and degradation by the Ccr4-Not complex. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	2
1374	MicroRNAs in gametes and preimplantation embryos: Clinical implications. , 2023, , 251-287.		0
1375	A tiny loop in the Argonaute <scp>PIWI</scp> domain tunes small <scp>RNA</scp> seed strength. <i>EMBO Reports</i> , 2023, 24, .	2.0	3
1376	MicroRNA-708 emerges as a potential candidate to target undruggable NRAS. <i>PLoS ONE</i> , 2023, 18, e0284744.	1.1	0
1385	Expanding the RNA and RNP-Based Regulatory World in Mammalian Cells. , 2023, , 1-35.		0
1396	Epigenetic regulation in the tumor microenvironment: molecular mechanisms and therapeutic targets. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	30
1416	Expanding the RNA- and RNP-Based Regulatory World in Mammalian Cells. , 2023, , 2361-2395.		0
1426	Liquid biopsy: creating opportunities in brain space. <i>British Journal of Cancer</i> , 2023, 129, 1727-1746.	2.9	1
1454	Advances in understanding effects of miRNAs on apoptosis, autophagy, and pyroptosis in knee osteoarthritis. <i>Molecular Genetics and Genomics</i> , 2023, 298, 1261-1278.	1.0	0
1463	Functional Role of MicroRNAs in Embryogenesis. , 0, , .		0
1482	Types of RNA therapeutics. <i>Progress in Molecular Biology and Translational Science</i> , 2024, , 41-63.	0.9	0