

MicroRNA genes are transcribed by RNA polymerase II

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Citation Report

#	ARTICLE	IF	CITATIONS
1	THE EFFECT OF INTRA-UTERINE CONTRACEPTIVE DEVICES ON THE OESTROGEN-INDUCED INCORPORATION OF [3H-5]URIDINE INTO RNA BY THE RAT UTERUS. European Journal of Endocrinology, 1976, 81, 165-169.	3.7	2
2	The Continuing Story of Endoribonuclease III. Journal of Molecular Microbiology and Biotechnology, 2004, 8, 195-200.	1.0	63
4	The Human DiGeorge Syndrome Critical Region Gene 8 and Its D. melanogaster Homolog Are Required for miRNA Biogenesis. Current Biology, 2004, 14, 2162-2167.	3.9	758
5	The Drosha-DGCR8 complex in primary microRNA processing. Genes and Development, 2004, 18, 3016-3027.	5.9	1,774
6	Small RNAs and Immunity. Immunity, 2004, 21, 747-756.	14.3	29
7	Transcription and Processing of Human microRNA Precursors. Molecular Cell, 2004, 16, 861-865.	9.7	682
8	IDENTIFICATION OF MICRORNA PRECURSORS VIA SVM. , 2005, , .		2
9	MicroRNA: Biological and Computational Perspective. Genomics, Proteomics and Bioinformatics, 2005, 3, 62-72.	6.9	39
10	Evolutionary patterns of non-coding RNAs. Theory in Biosciences, 2005, 123, 301-369.	1.4	64
11	Computational detection of microRNAs targeting transcription factor genes in Arabidopsis thaliana. Computational Biology and Chemistry, 2005, 29, 360-367.	2.3	28
12	Gene expression regulation by MicroRNAs. Science Bulletin, 2005, 50, 1281.	1.7	7
13	Second-generation shRNA libraries covering the mouse and human genomes. Nature Genetics, 2005, 37, 1281-1288.	21.4	582
14	Probing tumor phenotypes using stable and regulated synthetic microRNA precursors. Nature Genetics, 2005, 37, 1289-1295.	21.4	500
15	Herpesviruses throw a curve ball: new insights into microRNA biogenesis and evolution. Nature Methods, 2005, 2, 252-254.	19.0	6
16	Identification of microRNAs of the herpesvirus family. Nature Methods, 2005, 2, 269-276.	19.0	1,073
17	MicroRNA biogenesis: coordinated cropping and dicing. Nature Reviews Molecular Cell Biology, 2005, 6, 376-385.	37.0	2,256
18	siRNA, miRNA and HIV: promises and challenges. Cell Research, 2005, 15, 935-946.	12.0	71
19	c-Myc-regulated microRNAs modulate E2F1 expression. Nature, 2005, 435, 839-843.	27.8	2,618

#	ARTICLE	IF	CITATIONS
20	Role reversal: the regulation of neuronal gene expression by microRNAs. Current Opinion in Neurobiology, 2005, 15, 507-513.	4.2	60
21	MicroRNA Biogenesis: Drosha Can't Cut It without a Partner. Current Biology, 2005, 15, R61-R64.	3.9	126
22	MicroRNAs: Loquacious Speaks out. Current Biology, 2005, 15, R603-R605.	3.9	13
23	Identification of clustered microRNAs using an ab initio prediction method. BMC Bioinformatics, 2005, 6, 267.	2.6	219
24	Molecular machinery of the transcription initiation by RNA polymerase II. Russian Journal of Genetics, 2005, 41, 389-401.	0.6	1
25	Human microRNAs. , 2005, , .		0
26	Plant microRNAs and development. International Journal of Developmental Biology, 2005, 49, 733-744.	0.6	60
27	Camels and zebrafish, viruses and cancer: a microRNA update. Human Molecular Genetics, 2005, 14, R183-R190.	2.9	86
28	Human microRNA (miR29b) expression controls the amount of branched chain α -ketoacid dehydrogenase complex in a cell. Human Molecular Genetics, 2005, 14, 3371-3377.	2.9	81
29	Delivering RNA Interference to the Mammalian Brain. Current Gene Therapy, 2005, 5, 399-410.	2.0	51
30	RNA Pol II subunit Rpb7 promotes centromeric transcription and RNAi-directed chromatin silencing. Genes and Development, 2005, 19, 2301-2306.	5.9	199
31	MicroRNAs and endocrine biology. Journal of Endocrinology, 2005, 187, 327-332.	2.6	159
32	Characterization of a highly variable eutherian microRNA gene. Rna, 2005, 11, 1245-1257.	3.5	136
33	RNAi as a bioinformatics consumer. Briefings in Bioinformatics, 2005, 6, 146-162.	6.5	16
34	Gene Therapy Progress and Prospects: Recent progress in transgene and RNAi expression cassettes. Gene Therapy, 2005, 12, 795-802.	4.5	27
35	Perspective: machines for RNAi. Genes and Development, 2005, 19, 517-529.	5.9	782
36	An optimized isolation and labeling platform for accurate microRNA expression profiling. Rna, 2005, 11, 1461-1470.	3.5	238
37	Spatial regulation of microRNA gene expression in the Drosophila embryo. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15907-15911.	7.1	84

#	ARTICLE	IF	CITATIONS
38	Identification of putative noncoding polyadenylated transcripts in <i>Drosophila melanogaster</i> . Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5495-5500.	7.1	112
39	A cAMP-response element binding protein-induced microRNA regulates neuronal morphogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16426-16431.	7.1	750
40	Kaposi's sarcoma-associated herpesvirus expresses an array of viral microRNAs in latently infected cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5570-5575.	7.1	548
41	RNA Polymerase II Is Required for RNAi-Dependent Heterochromatin Assembly. Science, 2005, 309, 467-469.	12.6	258
42	MicroRNAs: Critical Regulators of Development, Cellular Physiology and Malignancy. Cell Cycle, 2005, 4, 1179-1184.	2.6	388
43	Expression of Arabidopsis MIRNA Genes. Plant Physiology, 2005, 138, 2145-2154.	4.8	626
44	A lentiviral microRNA-based system for single-copy polymerase II-regulated RNA interference in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13212-13217.	7.1	515
45	Microarray profiling of microRNAs reveals frequent coexpression with neighboring miRNAs and host genes. Rna, 2005, 11, 241-247.	3.5	1,253
46	An RNA polymerase II construct synthesizes short-hairpin RNA with a quantitative indicator and mediates highly efficient RNAi. Nucleic Acids Research, 2005, 33, e62-e62.	14.5	140
47	Global and Hox-specific roles for the MLL1 methyltransferase. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8603-8608.	7.1	314
48	A human, ATP-independent, RISC assembly machine fueled by pre-miRNA. Genes and Development, 2005, 19, 2979-2990.	5.9	353
49	microRNA-guided posttranscriptional gene regulation. Biological Chemistry, 2005, 386, 1205-18.	2.5	119
50	Promises and Challenges in Developing RNAi as a Research Tool and Therapy for Neurodegenerative Diseases. Neurodegenerative Diseases, 2005, 2, 220-231.	1.4	17
51	Slowing Down the Ras Lane: miRNAs as Tumor Suppressors?. Science Signaling, 2005, 2005, pe41-pe41.	3.6	19
52	Human microRNA prediction through a probabilistic co-learning model of sequence and structure. Nucleic Acids Research, 2005, 33, 3570-3581.	14.5	200
53	microPrimer: the biogenesis and function of microRNA. Development (Cambridge), 2005, 132, 4645-4652.	2.5	689
54	MicroRNA Biogenesis and Cancer. Cancer Research, 2005, 65, 3509-3512.	0.9	580
55	As Antisense RNA Gets Intronic. OMICS A Journal of Integrative Biology, 2005, 9, 2-12.	2.0	37

#	ARTICLE	IF	CITATIONS
56	Small regulatory RNAs in mammals. Human Molecular Genetics, 2005, 14, R121-R132.	2.9	444
57	RNAi as an antiviral therapy. Expert Opinion on Biological Therapy, 2005, 5, 1463-1474.	3.1	18
58	MicroRNAs Regulate Brain Morphogenesis in Zebrafish. Science, 2005, 308, 833-838.	12.6	1,209
59	Intronic microRNAs. Biochemical and Biophysical Research Communications, 2005, 326, 515-520.	2.1	111
60	Polymorphisms in human pre-miRNAs. Biochemical and Biophysical Research Communications, 2005, 331, 1439-1444.	2.1	196
61	Differential expression of components of the microRNA machinery during mouse organogenesis. Biochemical and Biophysical Research Communications, 2005, 334, 319-323.	2.1	66
62	Stable inhibition of hepatitis B virus expression and replication by expressed siRNA. Biochemical and Biophysical Research Communications, 2005, 335, 1051-1059.	2.1	27
63	MicroRNAs: a developing story. Current Opinion in Genetics and Development, 2005, 15, 200-205.	3.3	296
64	Asymmetry of intronic pre-miRNA structures in functional RISC assembly. Gene, 2005, 356, 32-38.	2.2	91
65	Phylogenetic Shadowing and Computational Identification of Human microRNA Genes. Cell, 2005, 120, 21-24.	28.9	1,194
66	MicroRNAs: Small regulators with a big impact. Cytokine and Growth Factor Reviews, 2005, 16, 387-393.	7.2	54
67	Stage-specific expression of microRNAs duringXenopusdevelopment. FEBS Letters, 2005, 579, 318-324.	2.8	147
68	MicroRNA function in animal development. FEBS Letters, 2005, 579, 5911-5922.	2.8	730
69	Small RNA asymmetry in RNAi: Function in RISC assembly and gene regulation. FEBS Letters, 2005, 579, 5850-5857.	2.8	144
70	MicroRNAs as regulators of mammalian hematopoiesis. Seminars in Immunology, 2005, 17, 155-165.	5.6	186
71	Normal microRNA Maturation and Germ-Line Stem Cell Maintenance Requires Loquacious, a Double-Stranded RNA-Binding Domain Protein. PLoS Biology, 2005, 3, e236.	5.6	457
73	RNA editing of human microRNAs. Genome Biology, 2006, 7, R27.	9.6	295
76	Regulatory RNAs: Future Perspectives in Diagnosis, Prognosis, and Individualized Therapy. , 2007, 361, 311-326.		23

#	ARTICLE	IF	CITATIONS
78	Construction of microRNA-Containing Vectors for Expression in Mammalian Cells. , 2006, 338, 167-174.		7
79	Significant sequence similarities in promoters and precursors of Arabidopsis thaliana non-conserved microRNAs. Bioinformatics, 2006, 22, 2585-2589.	4.1	27
80	In Vitro Precursor MicroRNA Processing Assays Using <i>Drosophila</i> Schneider-2 Cell Lysates. , 2006, 342, 277-286.		3
82	Cloning and expression of new microRNAs from zebrafish. Nucleic Acids Research, 2006, 34, 2558-2569.	14.5	169
83	RNA Interference from Multimeric shRNAs Generated by Rolling Circle Transcription. Oligonucleotides, 2006, 16, 353-363.	2.7	41
84	NF- κ B-dependent induction of microRNA miR-146, an inhibitor targeted to signaling proteins of innate immune responses. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12481-12486.	7.1	4,022
85	microRNAs in seeds: modified detection techniques and potential applications. Canadian Journal of Botany, 2006, 84, 189-198.	1.1	21
86	Positive and Negative Modulation of Viral and Cellular mRNAs by Liver-specific MicroRNA miR-122. Cold Spring Harbor Symposia on Quantitative Biology, 2006, 71, 369-376.	1.1	109
87	Up-Regulation of Dicer, a Component of the MicroRNA Machinery, in Prostate Adenocarcinoma. American Journal of Pathology, 2006, 169, 1812-1820.	3.8	327
88	Anti-viral RNA silencing: do we look like plants ?. Retrovirology, 2006, 3, 3.	2.0	41
89	Arabidopsis microRNA167 controls patterns of ARF6 and ARF8 expression, and regulates both female and male reproduction. Development (Cambridge), 2006, 133, 4211-4218.	2.5	642
90	Transgenic Animal Models in Biomedical Research. , 2007, 360, 163-202.		56
91	Gene Silencing In Vitro and In Vivo Using Intronic MicroRNAs. , 2006, 342, 295-312.		35
92	Mir-17-5p Regulates Breast Cancer Cell Proliferation by Inhibiting Translation of AIB1 mRNA. Molecular and Cellular Biology, 2006, 26, 8191-8201.	2.3	480
93	Sequence-specific interference by small RNAs derived from adenovirus VAI RNA. FEBS Letters, 2006, 580, 1553-1564.	2.8	77
94	Molecular Basis for the Recognition of Primary microRNAs by the Drosha-DGCR8 Complex. Cell, 2006, 125, 887-901.	28.9	1,336
95	Inhibition of PRL-3 gene expression in gastric cancer cell line SGC7901 via microRNA suppressed reduces peritoneal metastasis. Biochemical and Biophysical Research Communications, 2006, 348, 229-237.	2.1	100
96	Human microRNA clusters: Genomic organization and expression profile in leukemia cell lines. Biochemical and Biophysical Research Communications, 2006, 349, 59-68.	2.1	279

#	ARTICLE	IF	CITATIONS
97	Gene regulation by microRNAs. <i>Current Opinion in Genetics and Development</i> , 2006, 16, 203-208.	3.3	432
98	The Diverse Functions of MicroRNAs in Animal Development and Disease. <i>Developmental Cell</i> , 2006, 11, 441-450.	7.0	1,914
99	Non-coding RNA. <i>Human Molecular Genetics</i> , 2006, 15, R17-R29.	2.9	2,052
100	MicroRNA expression and function in cancer. <i>Trends in Molecular Medicine</i> , 2006, 12, 580-587.	6.7	699
101	Plant microRNA: A small regulatory molecule with big impact. <i>Developmental Biology</i> , 2006, 289, 3-16.	2.0	672
102	Overgrowth caused by misexpression of a microRNA with dispensable wild-type function. <i>Developmental Biology</i> , 2006, 291, 314-324.	2.0	46
104	MicroRNA involvement in mammary gland development and breast cancer. <i>Reproduction, Nutrition, Development</i> , 2006, 46, 549-556.	1.9	80
106	Multiple shRNAs expressed by an inducible pol II promoter can knock down the expression of multiple target genes. <i>BioTechniques</i> , 2006, 41, 64-68.	1.8	60
107	Multi-miRNA hairpin method that improves gene knockdown efficiency and provides linked multi-gene knockdown. <i>BioTechniques</i> , 2006, 41, 59-63.	1.8	123
108	Identification and Analysis of Micrornas. , 2006, 27, 1-20.		34
109	Structure Analysis of MicroRNA Precursors. , 2006, 342, 19-32.		19
110	Expression and Function of MicroRNAs Encoded by Kaposi's Sarcoma-associated Herpesvirus. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2006, 71, 357-364.	1.1	26
111	Role of Micro-RNAs in Regulation of Lentiviral Latency and Persistence. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2006, 14, 276-290.	1.2	11
112	Misexpression of the <i>Caenorhabditis elegans</i> miRNA let-7 Is Sufficient to Drive Developmental Programs. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2006, 71, 21-27.	1.1	22
113	Drosha in Primary MicroRNA Processing. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2006, 71, 51-57.	1.1	97
114	MicroRNA: Biogenetic and Functional Mechanisms and Involvements in Cell Differentiation and Cancer. <i>Journal of Pharmacological Sciences</i> , 2006, 101, 267-270.	2.5	108
115	Glial cell-line derived neurotrophic factor and neurturin regulate the expressions of distinct miRNA precursors through the activation of GFR α 2. <i>Journal of Neurochemistry</i> , 2006, 98, 1149-1158.	3.9	9
116	Cancer research with non-coding RNA. <i>Cancer Science</i> , 2006, 97, 1285-1290.	3.9	42

#	ARTICLE	IF	CITATIONS
117	Nuclear transcription is essential for specification of mammalian replication origins. <i>Genes To Cells</i> , 2006, 11, 829-844.	1.2	13
118	Viruses and microRNAs. <i>Nature Genetics</i> , 2006, 38, S25-S30.	21.4	365
119	Strategies to determine the biological function of microRNAs. <i>Nature Genetics</i> , 2006, 38, S14-S19.	21.4	234
120	Lessons from Nature: microRNA-based shRNA libraries. <i>Nature Methods</i> , 2006, 3, 707-714.	19.0	255
121	Expressing short hairpin RNAs in vivo. <i>Nature Methods</i> , 2006, 3, 689-695.	19.0	63
122	Building mammalian signalling pathways with RNAi screens. <i>Nature Reviews Molecular Cell Biology</i> , 2006, 7, 177-187.	37.0	197
123	MicroRNAs: expression, avoidance and subversion by vertebrate viruses. <i>Nature Reviews Microbiology</i> , 2006, 4, 651-659.	28.6	109
124	RNA polymerase III transcribes human microRNAs. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 1097-1101.	8.2	1,200
125	Duplication and expression analysis of multicopy miRNA gene family members in Arabidopsis and rice. <i>Cell Research</i> , 2006, 16, 507-518.	12.0	41
126	The role of PACT in the RNA silencing pathway. <i>EMBO Journal</i> , 2006, 25, 522-532.	7.8	594
127	Formation of GW bodies is a consequence of microRNA genesis. <i>EMBO Reports</i> , 2006, 7, 904-910.	4.5	109
128	Anti-miRNA oligonucleotides (AMOs): ammunition to target miRNAs implicated in human disease?. <i>Gene Therapy</i> , 2006, 13, 496-502.	4.5	361
129	Induction of stable RNA interference in mammalian cells. <i>Gene Therapy</i> , 2006, 13, 503-508.	4.5	65
130	Principles of micro-RNA production and maturation. <i>Oncogene</i> , 2006, 25, 6156-6162.	5.9	248
131	Viruses, microRNAs and cancer. <i>Oncogene</i> , 2006, 25, 6211-6219.	5.9	96
132	Computational identification of microRNAs and their targets. <i>Computational Biology and Chemistry</i> , 2006, 30, 395-407.	2.3	164
133	MicroRNAs AND THEIR REGULATORY ROLES IN PLANTS. <i>Annual Review of Plant Biology</i> , 2006, 57, 19-53.	18.7	2,418
134	Mammalian microRNAs: a small world for fine-tuning gene expression. <i>Mammalian Genome</i> , 2006, 17, 189-202.	2.2	329

#	ARTICLE	IF	CITATIONS
135	Primary transcripts and expressions of mammal intergenic microRNAs detected by mapping ESTs to their flanking sequences. Mammalian Genome, 2006, 17, 1033-1041.	2.2	33
136	Nonrestrictive developmental regulation of microRNA gene expression. Mammalian Genome, 2006, 17, 833-840.	2.2	65
137	Hairpin RNA: a secondary structure of primary importance. Cellular and Molecular Life Sciences, 2006, 63, 901-908.	5.4	176
138	Current perspectives in intronic micro RNAs (miRNAs). Journal of Biomedical Science, 2006, 13, 5-15.	7.0	74
139	Regulation of microRNA on plant development and viral infection. Science Bulletin, 2006, 51, 269-278.	1.7	10
140	A novel strategy for cancer gene therapy: RNAi. Science Bulletin, 2006, 51, 1145-1151.	1.7	12
141	Vector-based RNAi approaches for stable, inducible and genome-wide screens. Drug Discovery Today, 2006, 11, 975-982.	6.4	52
142	MicroRNA gene expression in the mouse inner ear. Brain Research, 2006, 1111, 95-104.	2.2	187
143	Genomics of microRNA. Trends in Genetics, 2006, 22, 165-173.	6.7	835
144	The diversity of RNA silencing pathways in plants. Trends in Genetics, 2006, 22, 268-280.	6.7	662
145	Bioinformatic discovery of microRNA precursors from human ESTs and introns. BMC Genomics, 2006, 7, 164.	2.8	52
146	MicroRNAs and cell differentiation in mammalian development. Birth Defects Research Part C: Embryo Today Reviews, 2006, 78, 140-149.	3.6	120
147	MicroRNAs in mammalian development and tumorigenesis. Birth Defects Research Part C: Embryo Today Reviews, 2006, 78, 172-179.	3.6	42
148	MicroRNAs in mammalian development. Birth Defects Research Part C: Embryo Today Reviews, 2006, 78, 129-139.	3.6	64
149	MicroRNAs: Fundamental facts and involvement in human diseases. Birth Defects Research Part C: Embryo Today Reviews, 2006, 78, 180-189.	3.6	74
150	MicroRNA and cancer: Current status and prospective. International Journal of Cancer, 2007, 120, 953-960.	5.1	231
151	miRNAs Regulate miRNAs: Coordinated Transcriptional and Post-Transcriptional Regulation. Cell Cycle, 2006, 5, 2473-2476.	2.6	33
152	Silencing stathmin gene expression by survivin promoter-driven siRNA vector to reverse malignant phenotype of tumor cells. Cancer Biology and Therapy, 2006, 5, 1457-1461.	3.4	44

#	ARTICLE	IF	CITATIONS
153	Characterization of DGCR8/Pasha, the essential cofactor for Drosha in primary miRNA processing. Nucleic Acids Research, 2006, 34, 4622-4629.	14.5	224
154	The MicroRNA: Overview of the RNA Gene That Modulates Gene Functions. , 2006, 342, 1-18.		49
155	MicroRNA trafficking and human cancer. Cancer Biology and Therapy, 2006, 5, 573-578.	3.4	37
156	Polycistronic RNA polymerase II expression vectors for RNA interference based on BIC/miR-155. Nucleic Acids Research, 2006, 34, e53-e53.	14.5	265
157	Generation of RNAi Libraries for High-Throughput Screens. Journal of Biomedicine and Biotechnology, 2006, 2006, 1-7.	3.0	12
158	Pol IIâ€‘Expressed shRNA Knocks Down Sod2 Gene Expression and Causes Phenotypes of the Gene Knockout in Mice. PLoS Genetics, 2006, 2, e10.	3.5	75
159	Intronic MicroRNA (miRNA). Journal of Biomedicine and Biotechnology, 2006, 2006, 1-13.	3.0	125
160	Computational Prediction of MicroRNAs Encoded in Viral and Other Genomes. Journal of Biomedicine and Biotechnology, 2006, 2006, 1-10.	3.0	6
161	MicroRNAs in Gene Regulation: When the Smallest Governs It All. Journal of Biomedicine and Biotechnology, 2006, 2006, 1-20.	3.0	97
162	Dicer-Derived MicroRNAs Are Utilized by the Fragile X Mental Retardation Protein for Assembly on Target RNAs. Journal of Biomedicine and Biotechnology, 2006, 2006, 1-12.	3.0	98
163	A Novel Assay for Viral MicroRNA Function Identifies a Single Nucleotide Polymorphism That Affects Drosha Processing. Journal of Virology, 2006, 80, 5321-5326.	3.4	135
164	Differentially Regulated Micro-RNAs and Actively Translated Messenger RNA Transcripts by Tumor Suppressor p53 in Colon Cancer. Clinical Cancer Research, 2006, 12, 2014-2024.	7.0	191
165	Human Papillomavirus Genotype 31 Does Not Express Detectable MicroRNA Levels during Latent or Productive Virus Replication. Journal of Virology, 2006, 80, 10890-10893.	3.4	65
166	microRNAs exhibit high frequency genomic alterations in human cancer. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9136-9141.	7.1	977
167	Primate MicroRNAs miR-220 and miR-492 Lie within Processed Pseudogenes. Journal of Heredity, 2006, 97, 186-190.	2.4	58
168	Evolution of Arabidopsis microRNA families through duplication events. Genome Research, 2006, 16, 510-519.	5.5	328
169	Prediction and Identification of Herpes Simplex Virus 1-Encoded MicroRNAs. Journal of Virology, 2006, 80, 5499-5508.	3.4	212
170	'Evidence of an auxin signal pathway, microRNA167-ARF8-GH3, and its response to exogenous auxin in cultured rice cells'. Nucleic Acids Research, 2006, 34, 1892-1899.	14.5	211

#	ARTICLE	IF	CITATIONS
171	RNA-Mediated Gene Silencing in Hematopoietic Cells. Journal of Biomedicine and Biotechnology, 2006, 2006, 1-13.	3.0	7
172	A signature pattern of stress-responsive microRNAs that can evoke cardiac hypertrophy and heart failure. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18255-18260.	7.1	1,408
174	MicroRNA promoter element discovery in Arabidopsis. Rna, 2006, 12, 1612-1619.	3.5	175
175	Functional replacement of the R region of simian immunodeficiency virus-based vectors by heterologous elements. Journal of General Virology, 2006, 87, 2297-2307.	2.9	6
176	MicroRNAs: regulators of gene expression and cell differentiation. Blood, 2006, 108, 3646-3653.	1.4	450
177	Transcriptional Origin of Kaposi's Sarcoma-Associated Herpesvirus MicroRNAs. Journal of Virology, 2006, 80, 2234-2242.	3.4	127
178	Myogenic factors that regulate expression of muscle-specific microRNAs. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8721-8726.	7.1	638
179	Genomic analysis of human microRNA transcripts. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17719-17724.	7.1	466
180	<i>MicroRNA-34b</i> and <i>MicroRNA-34c</i> Are Targets of p53 and Cooperate in Control of Cell Proliferation and Adhesion-Independent Growth. Cancer Research, 2007, 67, 8433-8438.	0.9	624
181	MicroRNA expression signatures accurately discriminate acute lymphoblastic leukemia from acute myeloid leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19971-19976.	7.1	435
182	MicroRNA genes are frequently located near mouse cancer susceptibility loci. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8017-8022.	7.1	138
183	Phytohormone abscisic acid control RNA-dependent RNA polymerase 6 gene expression and post-transcriptional gene silencing in rice cells. Nucleic Acids Research, 2007, 36, 1220-1226.	14.5	39
184	Analysis of the Interaction of Primate Retroviruses with the Human RNA Interference Machinery. Journal of Virology, 2007, 81, 12218-12226.	3.4	161
185	Establishing leaf polarity: the role of small RNAs and positional signals in the shoot apex. Development (Cambridge), 2007, 134, 813-823.	2.5	99
186	P68 RNA Helicase Unwinds the Human let-7 MicroRNA Precursor Duplex and Is Required for let-7-directed Silencing of Gene Expression. Journal of Biological Chemistry, 2007, 282, 32773-32779.	3.4	91
187	Regulatory Circuit of Human MicroRNA Biogenesis. PLoS Computational Biology, 2007, 3, e67.	3.2	62
188	New Small Nuclear RNA Gene-Like Transcriptional Units as Sources of Regulatory Transcripts. PLoS Genetics, 2007, 3, e1.	3.5	82
189	Regulation of microRNA Expression: the Hypoxic Component. Cell Cycle, 2007, 6, 1425-1430.	2.6	132

#	ARTICLE	IF	CITATIONS
190	The expression of Argonaute2 and related microRNA biogenesis proteins in normal and hypoxic trophoblasts. Molecular Human Reproduction, 2007, 13, 273-279.	2.8	123
191	Characterization and Identification of MicroRNA Core Promoters in Four Model Species. PLoS Computational Biology, 2007, 3, e37.	3.2	273
192	MicroRNAs in Tumorigenesis. Current Pharmaceutical Biotechnology, 2007, 8, 320-325.	1.6	50
193	Reliable prediction of Drosha processing sites improves microRNA gene prediction. Bioinformatics, 2007, 23, 142-149.	4.1	118
194	Epstein-Barr Virus-Encoded Latent Membrane Protein 1 (LMP1) Induces the Expression of the Cellular MicroRNA miR-146a. RNA Biology, 2007, 4, 131-137.	3.1	183
195	Tiny Actors, Great Roles: microRNAs in p53's Service. Cell Cycle, 2007, 6, 2656-2661.	2.6	27
196	Epstein-Barr Virus BHRF1 Micro- and Stable RNAs during Latency III and after Induction of Replication. Journal of Virology, 2007, 81, 9967-9975.	3.4	89
197	CpG Island Hypermethylation of Tumor Suppressor microRNAs in Human Cancer. Cell Cycle, 2007, 6, 1454-1458.	2.6	170
198	Revealing a Role of MicroRNAs in the Regulation of the Biological Clock. Cell Cycle, 2007, 6, 3034-3038.	2.6	41
199	Common Functions for Diverse Small RNAs of Land Plants. Plant Cell, 2007, 19, 1750-1769.	6.6	387
200	Xenopus microRNA genes are predominantly located within introns and are differentially expressed in adult frog tissues via post-transcriptional regulation. Genome Research, 2007, 18, 104-112.	5.5	56
201	Regulatory mechanisms of microRNAs involvement in cancer. Expert Opinion on Biological Therapy, 2007, 7, 1009-1019.	3.1	150
202	Generating Trace-Sets for Model-based Testing. , 2007, , .		4
204	Sustained suppression of Bcr-Abl-driven lymphoid leukemia by microRNA mimics. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20501-20506.	7.1	62
205	DNA methylation regulates microRNA expression. Cancer Biology and Therapy, 2007, 6, 1290-1294.	3.4	283
206	Diverse Ways to Control p27Kip1 Function: miRNAs Come into Play. Cell Cycle, 2007, 6, 2742-2749.	2.6	60
207	RNA interference based gene therapy for neurological disease. Briefings in Functional Genomics & Proteomics, 2007, 6, 40-49.	3.8	18
208	MicroRNA and Brain Tumors: A Cause and a Cure?. DNA and Cell Biology, 2007, 26, 301-310.	1.9	31

#	ARTICLE	IF	CITATIONS
209	MicroRNAs in Viral Replication and Pathogenesis. DNA and Cell Biology, 2007, 26, 239-249.	1.9	27
210	MicroRNA-155 is induced during the macrophage inflammatory response. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1604-1609.	7.1	1,679
211	The Micro-Ribonucleic Acid (miRNA) miR-206 Targets the Human Estrogen Receptor- α (ER α) and Represses ER α Messenger RNA and Protein Expression in Breast Cancer Cell Lines. Molecular Endocrinology, 2007, 21, 1132-1147.	3.7	456
212	miR-200b mediates post-transcriptional repression of ZFX1B. Rna, 2007, 13, 1172-1178.	3.5	153
213	Epstein-Barr virus-encoded microRNA miR-BART2 down-regulates the viral DNA polymerase BALF5. Nucleic Acids Research, 2007, 36, 666-675.	14.5	295
214	MicroRNAs in human cancer: from research to therapy. Journal of Cell Science, 2007, 120, 1833-1840.	2.0	222
215	De novo SVM classification of precursor microRNAs from genomic pseudo hairpins using global and intrinsic folding measures. Bioinformatics, 2007, 23, 1321-1330.	4.1	240
216	Tissue-dependent paired expression of miRNAs. Nucleic Acids Research, 2007, 35, 5944-5953.	14.5	294
217	miRGen: a database for the study of animal microRNA genomic organization and function. Nucleic Acids Research, 2007, 35, D149-D155.	14.5	272
218	Histone Deacetylase Inhibitors Induce Premature Sister Chromatid Separation and Override the Mitotic Spindle Assembly Checkpoint. Cancer Research, 2007, 67, 6360-6367.	0.9	48
219	RNA Interference and HIV-1. Advances in Pharmacology, 2007, 55, 427-438.	2.0	3
220	Discrete Clusters of Virus-Encoded MicroRNAs Are Associated with Complementary Strands of the Genome and the 7.2-Kilobase Stable Intron in Murine Cytomegalovirus. Journal of Virology, 2007, 81, 13761-13770.	3.4	81
221	Epigenetics and MicroRNAs. Pediatric Research, 2007, 61, 17R-23R.	2.3	94
222	MicroRNA-1 and microRNA-133a expression are decreased during skeletal muscle hypertrophy. Journal of Applied Physiology, 2007, 102, 306-313.	2.5	364
223	Emerging Role of MicroRNAs in Cardiovascular Biology. Circulation Research, 2007, 101, 1225-1236.	4.5	272
224	Micro RNA 145 Targets the Insulin Receptor Substrate-1 and Inhibits the Growth of Colon Cancer Cells. Journal of Biological Chemistry, 2007, 282, 32582-32590.	3.4	313
226	CHANGES OF MICRO-RNA EXPRESSION IN RAT LIVER TREATED BY ACETAMINOPHEN OR CARBON TETRACHLORIDE − REGULATING ROLE OF MICRO-RNA FOR RNA EXPRESSION −. Journal of Toxicological Sciences, 2007, 32, 401-409.	1.5	96
227	Role of microRNAs in Cardiovascular Biology. Advances in Developmental Biology (Amsterdam,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.4	0

#	ARTICLE	IF	CITATIONS
228	Retroviral insertional activation of the Fli-3 locus in erythroleukemias encoding a cluster of microRNAs that convert Epo-induced differentiation to proliferation. <i>Blood</i> , 2007, 110, 2631-2640.	1.4	52
229	RNA Interference (RNAi) Patents and Human Health Related Applications of RNAi. <i>Recent Patents on DNA & Gene Sequences</i> , 2007, 1, 128-33.	0.7	3
230	microRNAs as oncogenes and tumor suppressors. <i>Developmental Biology</i> , 2007, 302, 1-12.	2.0	2,285
231	In vitro analysis of microRNA processing using recombinant Dicer and cytoplasmic extracts of HeLa cells. <i>Methods</i> , 2007, 43, 105-109.	3.8	24
232	New pancreas from old: microregulators of pancreas regeneration. <i>Trends in Endocrinology and Metabolism</i> , 2007, 18, 393-400.	7.1	84
233	RNA Interference: A Tool for Querying Nervous System Function and an Emerging Therapy. <i>Neuron</i> , 2007, 53, 781-788.	8.1	48
235	Transactivation of miR-34a by p53 Broadly Influences Gene Expression and Promotes Apoptosis. <i>Molecular Cell</i> , 2007, 26, 745-752.	9.7	1,844
236	Marked change in microRNA expression during neuronal differentiation of human teratocarcinoma NTera2D1 and mouse embryonal carcinoma P19 cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 360-367.	2.1	63
237	An Evolutionarily Conserved Mechanism for MicroRNA-223 Expression Revealed by MicroRNA Gene Profiling. <i>Cell</i> , 2007, 129, 617-631.	28.9	304
238	A Mammalian microRNA Expression Atlas Based on Small RNA Library Sequencing. <i>Cell</i> , 2007, 129, 1401-1414.	28.9	3,390
239	The Mirtron Pathway Generates microRNA-Class Regulatory RNAs in Drosophila. <i>Cell</i> , 2007, 130, 89-100.	28.9	879
240	Dual Role for Argonautes in MicroRNA Processing and Posttranscriptional Regulation of MicroRNA Expression. <i>Cell</i> , 2007, 131, 1097-1108.	28.9	573
241	Expression profile analysis of microRNA (miRNA) in mouse central nervous system using a new miRNA detection system that examines hybridization signals at every step of washing. <i>Gene</i> , 2007, 391, 39-44.	2.2	82
242	Identification of cotton microRNAs and their targets. <i>Gene</i> , 2007, 397, 26-37.	2.2	190
243	A-to-I editing challenger or ally to the microRNA process. <i>Biochimie</i> , 2007, 89, 1171-1176.	2.6	56
244	RNA regulation and cancer development. <i>Cancer Letters</i> , 2007, 246, 12-23.	7.2	41
245	Argonaute Proteins: Mediators of RNA Silencing. <i>Molecular Cell</i> , 2007, 26, 611-623.	9.7	627
246	Identification and characterization of microRNAs from the bovine adipose tissue and mammary gland. <i>FEBS Letters</i> , 2007, 581, 981-988.	2.8	147

#	ARTICLE	IF	CITATIONS
247	Cloning and characterization of microRNAs from <i>Brassica napus</i> . FEBS Letters, 2007, 581, 3848-3856.	2.8	52
248	MicroRNAs as therapeutic targets in human diseases. Expert Opinion on Therapeutic Targets, 2007, 11, 1119-1129.	3.4	51
249	Identification of Human microRNA Targets From Isolated Argonaute Protein Complexes. RNA Biology, 2007, 4, 76-84.	3.1	256
250	MicroRNA and esophageal carcinoma. Journal of Nanjing Medical University, 2007, 21, 201-206.	0.1	4
251	Expression profiling in vivo demonstrates rapid changes in lung microRNA levels following lipopolysaccharide-induced inflammation but not in the anti-inflammatory action of glucocorticoids. BMC Genomics, 2007, 8, 240.	2.8	266
252	Identification of Virally Encoded MicroRNAs. Methods in Enzymology, 2007, 427, 51-63.	1.0	24
253	Dissecting MicroRNA-Mediated Gene Regulation and Function in Cell Development. Methods in Enzymology, 2007, 427, 171-189.	1.0	10
254	Altered retinal microRNA expression profile in a mouse model of retinitis pigmentosa. Genome Biology, 2007, 8, R248.	9.6	120
255	Regulatory conservation of protein coding and microRNA genes in vertebrates: lessons from the opossum genome. Genome Biology, 2007, 8, R84.	9.6	26
256	The micro RNA target paradigm: a fundamental and polymorphic control layer of cellular expression. Expert Opinion on Biological Therapy, 2007, 7, 1387-1399.	3.1	28
257	Intronic MicroRNA: Discovery and Biological Implications. DNA and Cell Biology, 2007, 26, 195-207.	1.9	110
258	Protocols for Expression and Functional Analysis of Viral MicroRNAs. Methods in Enzymology, 2007, 427, 229-243.	1.0	6
259	MicroRNAs in Disease and Potential Therapeutic Applications. Molecular Therapy, 2007, 15, 2070-2079.	8.2	346
260	Epigenetics and MicroRNAs. Pediatric Research, 2007, 61, 24R-29R.	2.3	561
261	miRNA Profiling for Diagnosis and Prognosis of Human Cancer. DNA and Cell Biology, 2007, 26, 293-300.	1.9	214
262	Technology Insight: small, noncoding RNA molecules as tools to study and treat endocrine diseases. Nature Clinical Practice Endocrinology and Metabolism, 2007, 3, 827-834.	2.8	7
263	MicroRNAs as Cancer Players: Potential Clinical and Biological Effects. DNA and Cell Biology, 2007, 26, 273-282.	1.9	62
264	An androgen-regulated miRNA suppresses Bak1 expression and induces androgen-independent growth of prostate cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19983-19988.	7.1	423

#	ARTICLE	IF	CITATIONS
265	miRNA genetic alterations in human cancers. Expert Opinion on Biological Therapy, 2007, 7, 1375-1386.	3.1	50
266	MicroRNA Expression Profiling in Prostate Cancer. Cancer Research, 2007, 67, 6130-6135.	0.9	833
267	Annotating Noncoding RNA Genes. Annual Review of Genomics and Human Genetics, 2007, 8, 279-298.	6.2	120
268	MicroRNA (miRNA) Transcriptome of Mouse Retina and Identification of a Sensory Organ-specific miRNA Cluster. Journal of Biological Chemistry, 2007, 282, 25053-25066.	3.4	430
269	MicroRNAs in biological processes and carcinogenesis. Carcinogenesis, 2007, 28, 2-12.	2.8	229
270	MicroRNAs in carcinogenesis. Cytogenetic and Genome Research, 2007, 118, 252-259.	1.1	66
271	High mobility group A2 is a target for miRNA-98 in head and neck squamous cell carcinoma. Molecular Cancer, 2007, 6, 5.	19.2	256
272	miRNAs and their potential for use against cancer and other diseases. Future Oncology, 2007, 3, 521-537.	2.4	99
273	In Vitro and In Vivo Assays for the Activity of Drosha Complex. Methods in Enzymology, 2007, 427, 87-106.	1.0	34
274	Novel and future applications of microarrays in toxicological research. Expert Opinion on Drug Metabolism and Toxicology, 2007, 3, 599-608.	3.3	17
275	MicroRNA in Cutaneous Wound Healing: A New Paradigm. DNA and Cell Biology, 2007, 26, 227-237.	1.9	103
276	MicroRNAs in Skeletal and Cardiac Muscle Development. DNA and Cell Biology, 2007, 26, 219-225.	1.9	151
277	microRNAs in Vertebrate Physiology and Human Disease. Annual Review of Genomics and Human Genetics, 2007, 8, 215-239.	6.2	400
278	Mammalian MicroRNA Prediction through a Support Vector Machine Model of Sequence and Structure. PLoS ONE, 2007, 2, e946.	2.5	51
279	Non-coding RNAs “ development of man-made vector-based intronic microRNAs (miRNAs). , 0, , 22-41.		0
280	Seeing is believing: strategies for studying microRNA expression. , 0, , 42-57.		0
281	miRNAs in TPA-induced differentiation of HL-60 cells. , 0, , 380-391.		0
282	The role of miRNA in hematopoiesis. , 2007, , 467-475.		0

#	ARTICLE	IF	CITATIONS
283	MicroRNA epigenetic alterations in human cancer: One step forward in diagnosis and treatment. International Journal of Cancer, 2008, 122, 963-968.	5.1	84
284	MicroRNAs and their regulatory roles in animals and plants. Journal of Cellular Physiology, 2007, 210, 279-289.	4.1	500
285	Small RNAs: Regulators and guardians of the genome. Journal of Cellular Physiology, 2007, 213, 412-419.	4.1	159
286	MiRNA expression analysis during normal zebrafish development and following inhibition of the Hedgehog and Notch signaling pathways. Developmental Dynamics, 2007, 236, 2172-2180.	1.8	64
287	Identification of specific sequence motifs in the upstream region of 242 human miRNA genes. Computational Biology and Chemistry, 2007, 31, 207-214.	2.3	7
288	MicroRNAs 17-5p and 20a control monocytopenia through AML1 targeting and M-CSF receptor upregulation. Nature Cell Biology, 2007, 9, 775-787.	10.3	413
289	The evolution of gene regulation by transcription factors and microRNAs. Nature Reviews Genetics, 2007, 8, 93-103.	16.3	1,371
290	Strategies for silencing human disease using RNA interference. Nature Reviews Genetics, 2007, 8, 173-184.	16.3	976
291	Exporting RNA from the nucleus to the cytoplasm. Nature Reviews Molecular Cell Biology, 2007, 8, 761-773.	37.0	644
292	Processing of intronic microRNAs. EMBO Journal, 2007, 26, 775-783.	7.8	714
293	The TATA-binding protein regulates maternal mRNA degradation and differential zygotic transcription in zebrafish. EMBO Journal, 2007, 26, 3945-3956.	7.8	57
294	Heme is involved in microRNA processing. Nature Structural and Molecular Biology, 2007, 14, 23-29.	8.2	253
295	Crystal structure of human DGCR8 core. Nature Structural and Molecular Biology, 2007, 14, 847-853.	8.2	100
296	microRNAs and the regulation of glucose and lipid metabolism. Diabetes, Obesity and Metabolism, 2007, 9, 67-73.	4.4	160
297	MicroRNAs and cancer. Apmis, 2007, 115, 1090-1106.	2.0	162
298	Evidence for the rapid expansion of microRNA-mediated regulation in early land plant evolution. BMC Plant Biology, 2007, 7, 13.	3.6	108
299	Identification of candidate regulatory sequences in mammalian 3' UTRs by statistical analysis of oligonucleotide distributions. BMC Bioinformatics, 2007, 8, 174.	2.6	13
300	MiRFinder: an improved approach and software implementation for genome-wide fast microRNA precursor scans. BMC Bioinformatics, 2007, 8, 341.	2.6	121

#	ARTICLE	IF	CITATIONS
301	Comparison of the contributions of the nuclear and cytoplasmic compartments to global gene expression in human cells. BMC Genomics, 2007, 8, 340.	2.8	78
302	Post-transcriptional regulation of the Brn-3b transcription factor in differentiating neuroblastoma cells. FEBS Letters, 2007, 581, 2490-2496.	2.8	10
303	microRNAs: a new emerging class of players for disease diagnostics and gene therapy. Journal of Cellular and Molecular Medicine, 2008, 12, 3-21.	3.6	125
304	Therapeutic RNA interference for neurodegenerative diseases: From promise to progress. , 2007, 114, 34-55.		43
305	Ribonuclease revisited: structural insights into ribonuclease III family enzymes. Current Opinion in Structural Biology, 2007, 17, 138-145.	5.7	217
306	MicroRNAs and genomic instability. Seminars in Cancer Biology, 2007, 17, 65-73.	9.6	74
307	A call to arms: coevolution of animal viruses and host innate immune responses. Trends in Genetics, 2007, 23, 359-364.	6.7	71
308	Evolutionary Conservation of MicroRNA Regulatory Circuits: An Examination of MicroRNA Gene Complexity and Conserved MicroRNA-Target Interactions through Metazoan Phylogeny. DNA and Cell Biology, 2007, 26, 209-218.	1.9	209
309	Therapeutic potential for microRNAs. Advanced Drug Delivery Reviews, 2007, 59, 101-114.	13.7	174
310	microRNA Functions. Annual Review of Cell and Developmental Biology, 2007, 23, 175-205.	9.4	2,617
311	Defining embryonic stem cell identity using differentiation-related microRNAs and their potential targets. Mammalian Genome, 2007, 18, 316-327.	2.2	106
312	Useful "junk": Alu RNAs in the human transcriptome. Cellular and Molecular Life Sciences, 2007, 64, 1793-1800.	5.4	127
313	MicroRNAs: recently discovered key regulators of proliferation and apoptosis in animal cells. Cytotechnology, 2007, 53, 55-63.	1.6	65
314	Suppression of Bcl-xL expression by a novel tumor-specific RNA interference system inhibits proliferation and enhances radiosensitivity in prostatic carcinoma cells. Cancer Chemotherapy and Pharmacology, 2008, 61, 943-952.	2.3	15
315	Identification and characterization of new microRNAs from pig. Mammalian Genome, 2008, 19, 570-80.	2.2	42
316	MiRNAs, epigenetics, and cancer. Mammalian Genome, 2008, 19, 517-25.	2.2	75
317	Imprinted noncoding RNAs. Mammalian Genome, 2008, 19, 493-502.	2.2	62
318	miRNAs at the heart of the matter. Journal of Molecular Medicine, 2008, 86, 771-783.	3.9	80

#	ARTICLE	IF	CITATIONS
319	Identification and function of MicroRNAs encoded by herpesviruses. <i>Virologica Sinica</i> , 2008, 23, 459-472.	3.0	4
320	Fine tuning of auxin signaling by miRNAs. <i>Physiology and Molecular Biology of Plants</i> , 2008, 14, 81-90.	3.1	19
321	MicroRNA-mediated NBS1 gene silence and its effects on telomerase activation in Hela cells. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 2008, 20, 159-163.	2.2	1
322	The MicroRNA (miRNA): Overview of the RNA Genes that Modulate Gene Function. <i>Molecular Biotechnology</i> , 2008, 38, 257-268.	2.4	179
323	Identification of soybean microRNAs and their targets. <i>Planta</i> , 2008, 229, 161-182.	3.2	259
324	Identification of phylogenetically conserved sequence motifs in microRNA 5' flanking sites from <i>C. elegans</i> and <i>C. briggsae</i> . <i>BMC Molecular Biology</i> , 2008, 9, 105.	3.0	6
325	Upregulation of miR-23a/27a/24 decreases transforming growth factor- β -induced tumor-suppressive activities in human hepatocellular carcinoma cells. <i>International Journal of Cancer</i> , 2008, 123, 972-978.	5.1	198
326	Gene expression profiling of the different stages of <i>Arabidopsis thaliana</i> trichome development on the single cell level. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 160-173.	5.8	37
327	A Human snoRNA with MicroRNA-Like Functions. <i>Molecular Cell</i> , 2008, 32, 519-528.	9.7	738
328	Role of microRNAs in vascular diseases, inflammation, and angiogenesis. <i>Cardiovascular Research</i> , 2008, 79, 581-588.	3.8	773
329	Concise Review: MicroRNA Expression in Multipotent Mesenchymal Stromal Cells. <i>Stem Cells</i> , 2008, 26, 356-363.	3.2	121
330	MicroRNAs and Their Emerging Roles in Immunology. <i>Annals of the New York Academy of Sciences</i> , 2008, 1143, 226-239.	3.8	80
331	The evolution and functional diversification of animal microRNA genes. <i>Cell Research</i> , 2008, 18, 985-996.	12.0	134
332	Increased virus replication in mammalian cells by blocking intracellular innate defense responses. <i>Gene Therapy</i> , 2008, 15, 545-552.	4.5	50
333	Engineering and optimization of the miR-106b cluster for ectopic expression of multiplexed anti-HIV RNAs. <i>Gene Therapy</i> , 2008, 15, 1536-1549.	4.5	107
334	Everything you wanted to know about small RNA but were afraid to ask. <i>Laboratory Investigation</i> , 2008, 88, 569-578.	3.7	107
335	MicroRNAs and noncoding RNAs in hematological malignancies: molecular, clinical and therapeutic implications. <i>Leukemia</i> , 2008, 22, 1095-1105.	7.2	142
336	Primary microRNA transcripts are processed co-transcriptionally. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 902-909.	8.2	335

#	ARTICLE	IF	CITATIONS
337	Widespread microRNA repression by Myc contributes to tumorigenesis. <i>Nature Genetics</i> , 2008, 40, 43-50.	21.4	1,203
338	MicroRNAs: new regulators of immune cell development and function. <i>Nature Immunology</i> , 2008, 9, 839-845.	14.5	1,043
339	Micromanagement of the immune system by microRNAs. <i>Nature Reviews Immunology</i> , 2008, 8, 120-130.	22.7	390
340	Argonaute proteins: key players in RNA silencing. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 22-32.	37.0	1,150
341	MicroRNAs (miRNAs) in Neurodegenerative Diseases. <i>Brain Pathology</i> , 2008, 18, 130-138.	4.1	319
342	MicroRNAs: Biogenesis and Molecular Functions. <i>Brain Pathology</i> , 2008, 18, 113-121.	4.1	192
343	MicroRNA signatures characterize diffuse large B-cell lymphomas and follicular lymphomas. <i>British Journal of Haematology</i> , 2008, 142, 732-744.	2.5	169
344	Genomics and the immune system. <i>Immunology</i> , 2008, 124, 23-32.	4.4	8
345	MicroRNAs and cancer. <i>Journal of Internal Medicine</i> , 2008, 263, 366-375.	6.0	117
346	Gene silencing in plants using artificial microRNAs and other small RNAs. <i>Plant Journal</i> , 2008, 53, 674-690.	5.7	622
347	MicroRNA166 controls root and nodule development in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2008, 54, 876-887.	5.7	298
348	MicroRNA-encoding long non-coding RNAs. <i>BMC Genomics</i> , 2008, 9, 236.	2.8	60
349	Genomic Organization of Zebrafish microRNAs. <i>BMC Genomics</i> , 2008, 9, 253.	2.8	58
350	Annotation of mammalian primary microRNAs. <i>BMC Genomics</i> , 2008, 9, 564.	2.8	121
351	Conservation and implications of eukaryote transcriptional regulatory regions across multiple species. <i>BMC Genomics</i> , 2008, 9, 623.	2.8	7
352	Vector design for liver-specific expression of multiple interfering RNAs that target hepatitis B virus transcripts. <i>Antiviral Research</i> , 2008, 80, 36-44.	4.1	32
353	Endogenous microRNAs induced by heat shock reduce myocardial infarction following ischemia-reperfusion in mice. <i>FEBS Letters</i> , 2008, 582, 4137-4142.	2.8	105
354	NF- κ B-YY1-miR-29 Regulatory Circuitry in Skeletal Myogenesis and Rhabdomyosarcoma. <i>Cancer Cell</i> , 2008, 14, 369-381.	16.8	573

#	ARTICLE	IF	CITATIONS
355	The microRNAs involved in human myeloid differentiation and myelogenous/myeloblastic leukemia. Journal of Cellular and Molecular Medicine, 2008, 12, 1445-1455.	3.6	11
356	microRNAs: tiny regulators of synapse function in development and disease. Journal of Cellular and Molecular Medicine, 2008, 12, 1466-1476.	3.6	65
357	Regulation of microRNA processing in development, differentiation and cancer. Journal of Cellular and Molecular Medicine, 2008, 12, 1811-1819.	3.6	94
358	MicroRNA and cancer – focus on apoptosis. Journal of Cellular and Molecular Medicine, 2009, 13, 12-23.	3.6	307
359	The molecular machines that mediate microRNA maturation. Journal of Cellular and Molecular Medicine, 2009, 13, 54-60.	3.6	37
360	Advances in microRNAs: implications for immunity and inflammatory diseases. Journal of Cellular and Molecular Medicine, 2009, 13, 24-38.	3.6	150
361	MicroRNA and oral cancer: Future perspectives. Oral Oncology, 2008, 44, 910-914.	1.5	62
362	MicroRNA target site polymorphisms and human disease. Trends in Genetics, 2008, 24, 489-497.	6.7	318
363	MicroRNAs as targets for antisense-based therapeutics. Expert Opinion on Biological Therapy, 2008, 8, 59-81.	3.1	105
364	The Properties and Functions of Virus Encoded microRNA, siRNA, and Other Small Noncoding RNAs. Critical Reviews in Microbiology, 2008, 34, 175-188.	6.1	27
365	Group I Metabotropic Glutamate Receptors (mGlu1 and mGlu5)., 2008, , 387-463.		7
366	Human Cytomegalovirus Genome. Current Topics in Microbiology and Immunology, 2008, 325, 1-19.	1.1	91
367	Human Cytomegalovirus microRNAs. Current Topics in Microbiology and Immunology, 2008, 325, 21-39.	1.1	18
368	Non-protein coding RNA biomarkers and differential expression in cancers: a review. Journal of Experimental and Clinical Cancer Research, 2008, 27, 19.	8.6	51
369	Upregulated miR-146a expression in peripheral blood mononuclear cells from rheumatoid arthritis patients. Arthritis Research and Therapy, 2008, 10, R101.	3.5	600
370	MicroRNAs as biomarkers and therapeutic drugs in human cancer. Biomarkers, 2008, 13, 658-670.	1.9	95
371	Post-Transcriptional Gene Regulation. Methods in Molecular Biology, 2008, 419, v-ix.	0.9	2
372	Cellular versus viral microRNAs in host-virus interaction. Nucleic Acids Research, 2008, 37, 1035-1048.	14.5	174

#	ARTICLE	IF	CITATIONS
373	miR-21 Gene Expression Triggered by AP-1 Is Sustained through a Double-Negative Feedback Mechanism. <i>Journal of Molecular Biology</i> , 2008, 378, 492-504.	4.2	375
374	Inflammation: Gearing the journey to cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2008, 659, 15-30.	5.5	683
375	Real-time PCR quantification of precursor and mature microRNA. <i>Methods</i> , 2008, 44, 31-38.	3.8	512
376	Mechanisms of microRNA deregulation in human cancer. <i>Cell Cycle</i> , 2008, 7, 2643-2646.	2.6	293
377	A Double-Negative Feedback Loop between ZEB1-SIP1 and the microRNA-200 Family Regulates Epithelial-Mesenchymal Transition. <i>Cancer Research</i> , 2008, 68, 7846-7854.	0.9	956
378	siRNA, miRNA, and shRNA: <i>in vivo</i> Applications. <i>Journal of Dental Research</i> , 2008, 87, 992-1003.	5.2	101
379	Interspecies regulation of microRNAs and their targets. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 735-742.	1.9	72
380	Identification of cold-inducible microRNAs in plants by transcriptome analysis. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 780-788.	1.9	272
381	The art of microRNA: Various strategies leading to gene silencing via an ancient pathway. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 655-662.	1.9	40
382	MicroRNA biogenesis: there's more than one way to skin a cat. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 663-667.	1.9	94
383	Plant miRNAs and abiotic stress responses. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 458-462.	2.1	102
384	CID-miRNA: A web server for prediction of novel miRNA precursors in human genome. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 831-834.	2.1	52
385	Genome-wide mapping of conserved microRNAs and their host transcripts in <i>Tribolium castaneum</i> . <i>Journal of Genetics and Genomics</i> , 2008, 35, 349-355.	3.9	14
386	3' End Processing of a Long Nuclear-Retained Noncoding RNA Yields a tRNA-like Cytoplasmic RNA. <i>Cell</i> , 2008, 135, 919-932.	28.9	597
387	Human Cytomegalovirus Infection Alters the Expression of Cellular MicroRNA Species That Affect Its Replication. <i>Journal of Virology</i> , 2008, 82, 9065-9074.	3.4	159
388	Implications of MicroRNAs in Normal Hematopoiesis and Human Leukemia. <i>Clinical Leukemia</i> , 2008, 2, 96-101.	0.2	0
389	Epigenetic mechanisms regulating fate specification of neural stem cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 2099-2109.	4.0	78
390	Control of cardiac excitability by microRNAs. <i>Cardiovascular Research</i> , 2008, 79, 571-580.	3.8	86

#	ARTICLE	IF	CITATIONS
391	MicroRNAs: A new class of gene regulators. <i>Annals of Medicine</i> , 2008, 40, 197-208.	3.8	187
392	A computational screen for mouse signaling pathways targeted by microRNA clusters. <i>Rna</i> , 2008, 14, 1276-1283.	3.5	87
393	Biology and Mechanics of Blood Flows. , 2008, , .		12
394	Inhibition of HIV-1 by multiple siRNAs expressed from a single microRNA polycistron. <i>Nucleic Acids Research</i> , 2008, 36, 2811-2824.	14.5	193
395	Molecular medicine of microRNAs: structure, function and implications for diabetes. <i>Expert Reviews in Molecular Medicine</i> , 2008, 10, e24.	3.9	61
396	Development of a Dual-Luciferase Reporter System for In Vivo Visualization of MicroRNA Biogenesis and Posttranscriptional Regulation. <i>Journal of Nuclear Medicine</i> , 2008, 49, 285-294.	5.0	100
397	Embryonic Stem Cell-Specific miR302-367 Cluster: Human Gene Structure and Functional Characterization of Its Core Promoter. <i>Molecular and Cellular Biology</i> , 2008, 28, 6609-6619.	2.3	204
398	Putative promoter regions of <i>miRNA</i> genes involved in evolutionarily conserved regulatory systems among vertebrates. <i>Bioinformatics</i> , 2008, 24, 303-308.	4.1	79
399	Two Cap-Binding Proteins CBP20 and CBP80 are Involved in Processing Primary MicroRNAs. <i>Plant and Cell Physiology</i> , 2008, 49, 1634-1644.	3.1	164
400	The RNA-binding proteins HYL1 and SE promote accurate <i>in vitro</i> processing of pri-miRNA by DCL1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9970-9975.	7.1	373
401	Oct4/Sox2-Regulated miR-302 Targets Cyclin D1 in Human Embryonic Stem Cells. <i>Molecular and Cellular Biology</i> , 2008, 28, 6426-6438.	2.3	462
402	Transforming growth factor-Î-regulated miR-24 promotes skeletal muscle differentiation. <i>Nucleic Acids Research</i> , 2008, 36, 2690-2699.	14.5	247
403	Epsteinâ€Barr virus latent membrane protein 1 trans-activates miR-155 transcription through the NF-ÎB pathway. <i>Nucleic Acids Research</i> , 2008, 36, 6608-6619.	14.5	240
404	MicroRNAs as new biomarkers in oncology. <i>Expert Opinion on Medical Diagnostics</i> , 2008, 2, 115-127.	1.6	4
405	RNA Interference and Cancer: Endogenous Pathways and Therapeutic Approaches. <i>Advances in Experimental Medicine and Biology</i> , 2008, 615, 299-329.	1.6	31
406	A GATA-1-regulated microRNA locus essential for erythropoiesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3333-3338.	7.1	309
407	A <i>C. elegans</i> genome-scale microRNA network contains composite feedback motifs with high flux capacity. <i>Genes and Development</i> , 2008, 22, 2535-2549.	5.9	207
408	A diverse set of microRNAs and microRNA-like small RNAs in developing rice grains. <i>Genome Research</i> , 2008, 18, 1456-1465.	5.5	332

#	ARTICLE	IF	CITATIONS
409	Podocyte-Selective Deletion of Dicer Induces Proteinuria and Glomerulosclerosis. <i>Journal of the American Society of Nephrology</i> : JASN, 2008, 19, 2159-2169.	6.1	332
410	Inducible expression of microRNA-194 is regulated by HNF-1 β during intestinal epithelial cell differentiation. <i>Rna</i> , 2008, 14, 1433-1442.	3.5	129
411	MicroRNAs-Based Therapeutic Strategy for Virally Induced Diseases. <i>Current Drug Discovery Technologies</i> , 2008, 5, 49-58.	1.2	22
412	Polymorphisms in microRNA targets: a gold mine for molecular epidemiology. <i>Carcinogenesis</i> , 2008, 29, 1306-1311.	2.8	235
413	MicroRNA: basic mechanisms and transcriptional regulatory networks for cell fate determination. <i>Cardiovascular Research</i> , 2008, 79, 553-561.	3.8	122
414	MicroRNA and Cancer: Tiny Molecules with Major Implications. <i>Current Genomics</i> , 2008, 9, 97-109.	1.6	77
415	Identification of phylogenetically conserved microRNA <i>cis</i> -regulatory elements across 12 <i>Drosophila</i> species. <i>Bioinformatics</i> , 2008, 24, 165-171.	4.1	60
416	Hormonal Regulation of MicroRNA Expression in Periovulatory Mouse Mural Granulosa Cells1. <i>Biology of Reproduction</i> , 2008, 79, 1030-1037.	2.7	200
417	Conditional Loss of Dicer Disrupts Cellular and Tissue Morphogenesis in the Cortex and Hippocampus. <i>Journal of Neuroscience</i> , 2008, 28, 4322-4330.	3.6	411
418	MicroRNAs in Organogenesis and Disease. <i>Current Molecular Medicine</i> , 2008, 8, 698-710.	1.3	73
419	MicroRNAs 221 and 222 Bypass Quiescence and Compromise Cell Survival. <i>Cancer Research</i> , 2008, 68, 2773-2780.	0.9	279
420	hsa-miR-210 Is Induced by Hypoxia and Is an Independent Prognostic Factor in Breast Cancer. <i>Clinical Cancer Research</i> , 2008, 14, 1340-1348.	7.0	617
421	High-resolution human core-promoter prediction with CoreBoost_HM. <i>Genome Research</i> , 2009, 19, 266-275.	5.5	96
422	Structures of MicroRNA Precursors. , 2008, , 1-16.		8
423	Primary microRNA transcript retention at sites of transcription leads to enhanced microRNA production. <i>Journal of Cell Biology</i> , 2008, 182, 61-76.	5.2	132
424	Expressed Anti-HBV Primary MicroRNA Shuttles Inhibit Viral Replication Efficiently In Vitro and In Vivo. <i>Molecular Therapy</i> , 2008, 16, 1105-1112.	8.2	86
425	Comparative Analysis of the MIR319a MicroRNA Locus in Arabidopsis and Related Brassicaceae. <i>Molecular Biology and Evolution</i> , 2008, 25, 892-902.	8.9	67
426	The emerging role of miR-200 family of MicroRNAs in epithelial-mesenchymal transition and cancer metastasis. <i>RNA Biology</i> , 2008, 5, 115-119.	3.1	344

#	ARTICLE	IF	CITATIONS
427	Emerging Role of MicroRNAs in Reproductive Medicine. Seminars in Reproductive Medicine, 2008, 26, 449-451.	1.1	1
428	RNAI AND THE INSECT IMMUNE SYSTEM. , 2008, , 295-330.		3
429	Expression Strategies for Short Hairpin RNA Interference Triggers. Human Gene Therapy, 2008, 19, 313-317.	2.7	61
430	Role of microRNAs in haemopoiesis, heart hypertrophy and cancer. Biochemical Society Transactions, 2008, 36, 1206-1210.	3.4	9
431	siRNA Modifications and Sub-Cellular Localization: A Question of Intracellular Transport?. Current Pharmaceutical Design, 2008, 14, 3674-3685.	1.9	20
432	RNA Interference: New Therapeutics in Allergic Diseases. Current Gene Therapy, 2008, 8, 236-246.	2.0	13
433	MicroRNAs. Cancer Journal (Sudbury, Mass), 2008, 14, 1-6.	2.0	171
434	A novel class of endogenous shRNAs in human cells. Nature Precedings, 2008, , .	0.1	1
435	Stress responsive miR-23a attenuates skeletal muscle atrophy by targeting MAFbx /atrogen-1. Nature Precedings, 2008, , .	0.1	7
436	Full PDF of Hematology Reviews 2009, volume 1, issue 1.. Hematology Reports, 2009, 1, 1.	0.8	0
437	MicroRNAs: tiny players with a big role in the pathogenesis of leukemias and lymphomas. Hematology Reports, 2009, 1, 8.	0.8	3
438	The Fascinating World of RNA Interference. International Journal of Biological Sciences, 2009, 5, 97-117.	6.4	61
439	Putative Role of MicroRNA-Regulated Pathways in Comorbid Neurological and Cardiovascular Disorders. Cardiovascular Psychiatry and Neurology, 2009, 2009, 1-5.	0.8	6
440	The Promoter of the pri-miR-375 Gene Directs Expression Selectively to the Endocrine Pancreas. PLoS ONE, 2009, 4, e5033.	2.5	115
441	Co-expression of Argonaute2 enhances short hairpin RNA-induced RNA interference in Xenopus CNS neurons in vivo. Frontiers in Neuroscience, 2009, 3, 63.	2.8	14
442	Mature miR-184 and Squamous Cell Carcinoma of the Tongue. Scientific World Journal, The, 2009, 9, 130-132.	2.1	42
443	Oncoviruses and Pathogenic MicroRNAs in Humans. The Open Virology Journal, 2009, 3, 37-51.	1.8	13
444	Overview of Gene Silencing by RNA Interference. Current Protocols in Nucleic Acid Chemistry, 2009, 36, Unit 16.1.	0.5	13

#	ARTICLE	IF	CITATIONS
445	MicroRNAs As Novel Regulators of Angiogenesis. <i>Circulation Research</i> , 2009, 104, 442-454.	4.5	383
447	MicroRNAs and cardiac pathology. <i>Nature Reviews Cardiology</i> , 2009, 6, 418-429.	13.7	282
448	A transcription factor affinity-based code for mammalian transcription initiation. <i>Genome Research</i> , 2009, 19, 644-656.	5.5	54
449	Coupled RNA Processing and Transcription of Intergenic Primary MicroRNAs. <i>Molecular and Cellular Biology</i> , 2009, 29, 5632-5638.	2.3	101
450	Targeting miR-205 in breast cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2009, 13, 1439-1448.	3.4	65
451	Modulation of TLR2 Protein Expression by miR-105 in Human Oral Keratinocytes. <i>Journal of Biological Chemistry</i> , 2009, 284, 23107-23115.	3.4	129
452	Hyaluronan-CD44 Interaction with Protein Kinase C β Promotes Oncogenic Signaling by the Stem Cell Marker Nanog and the Production of MicroRNA-21, Leading to Down-regulation of the Tumor Suppressor Protein PDCD4, Anti-apoptosis, and Chemotherapy Resistance in Breast Tumor Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 26533-26546.	3.4	280
453	Functional links between clustered microRNAs: suppression of cell-cycle inhibitors by microRNA clusters in gastric cancer. <i>Nucleic Acids Research</i> , 2009, 37, 1672-1681.	14.5	429
454	MicroRNA-221 and 222 Regulate the Cell Cycle in Mast Cells. <i>Journal of Immunology</i> , 2009, 182, 433-445.	0.8	95
455	Vectors expressing efficient RNA decoys achieve the long-term suppression of specific microRNA activity in mammalian cells. <i>Nucleic Acids Research</i> , 2009, 37, e43-e43.	14.5	278
456	MicroRNA-298 and MicroRNA-328 Regulate Expression of Mouse I β -Amyloid Precursor Protein-converting Enzyme 1. <i>Journal of Biological Chemistry</i> , 2009, 284, 1971-1981.	3.4	283
458	Functional Association of the Microprocessor Complex with the Spliceosome. <i>Molecular and Cellular Biology</i> , 2009, 29, 3243-3254.	2.3	67
459	Zebrafish as a Genetic Model in Biological and Behavioral Gerontology: Where Development Meets Aging in Vertebrates – A Mini-Review. <i>Gerontology</i> , 2009, 55, 430-441.	2.8	74
460	MicroRNAs as a New Potential Therapeutic Opportunity in Gastrointestinal Cancer. <i>Oncology</i> , 2009, 77, 75-89.	1.9	6
461	Expression profile of microRNA in epithelial cancer: diagnosis, classification and prediction. <i>Expert Opinion on Medical Diagnostics</i> , 2009, 3, 25-36.	1.6	4
462	Epigenetic regulation of myogenesis. <i>Epigenetics</i> , 2009, 4, 541-550.	2.7	82
463	Micro-RNAs and their potential target genes in leukemia pathogenesis. <i>Cancer Biology and Therapy</i> , 2009, 8, 200-205.	3.4	25
464	MicroRNAs: Novel components in a muscle gene regulatory network. <i>Cell Cycle</i> , 2009, 8, 1833-1837.	2.6	17

#	ARTICLE	IF	CITATIONS
465	The miR-302-367 cluster as a potential stemness regulator in ESCs. <i>Cell Cycle</i> , 2009, 8, 394-398.	2.6	156
466	Transcriptional control of microRNA expression in <i>C. elegans</i> : Promoting better understanding. <i>RNA Biology</i> , 2009, 6, 49-53.	3.1	20
467	MicroRNA responses and stress granule formation modulate the DNA damage response. <i>Cell Cycle</i> , 2009, 8, 3462-3468.	2.6	47
468	Epigenomics, microRNAs and leukemias. <i>Epigenomics</i> , 2009, 1, 219-222.	2.1	0
469	MicroRNAs and Lung Cancer: New Oncogenes and Tumor Suppressors, New Prognostic Factors and Potential Therapeutic Targets. <i>Current Medicinal Chemistry</i> , 2009, 16, 1047-1061.	2.4	89
470	Oncomirs: From Tumor Biology to Molecularly Targeted Anticancer Strategies. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 70-80.	2.4	41
471	Sexually Dimorphic MicroRNA Expression During Chicken Embryonic Gonadal Development1. <i>Biology of Reproduction</i> , 2009, 81, 165-176.	2.7	92
472	Potential Uses of MicroRNA in Lung Cancer Diagnosis, Prognosis, and Therapy. <i>Current Cancer Drug Targets</i> , 2009, 9, 572-594.	1.6	103
473	MicroRNAs and the Regulation of Vector Tropism. <i>Molecular Therapy</i> , 2009, 17, 409-416.	8.2	90
474	Evidence for Antisense Transcription Associated with MicroRNA Target mRNAs in Arabidopsis. <i>PLoS Genetics</i> , 2009, 5, e1000457.	3.5	31
475	NF-kappaB p65-Dependent Transactivation of miRNA Genes following <i>Cryptosporidium parvum</i> Infection Stimulates Epithelial Cell Immune Responses. <i>PLoS Pathogens</i> , 2009, 5, e1000681.	4.7	191
476	Construction of an Artificial MicroRNA Expression Vector for Simultaneous Inhibition of Multiple Genes in Mammalian Cells. <i>International Journal of Molecular Sciences</i> , 2009, 10, 2158-2168.	4.1	23
477	Human miRNA Precursors with Box H/ACA snoRNA Features. <i>PLoS Computational Biology</i> , 2009, 5, e1000507.	3.2	167
478	MicroRNA Implications across Neurodevelopment and Neuropathology. <i>Journal of Biomedicine and Biotechnology</i> , 2009, 2009, 1-13.	3.0	53
479	New kids on the block: Diagnostic and prognostic microRNAs in hepatocellular carcinoma. <i>Cancer Biology and Therapy</i> , 2009, 8, 1683-1690.	3.4	68
480	C19MC microRNAs are processed from introns of large Pol-II, non-protein-coding transcripts. <i>Nucleic Acids Research</i> , 2009, 37, 3464-3473.	14.5	205
481	RNA polymerase III can drive polycistronic expression of functional interfering RNAs designed to resemble microRNAs. <i>Nucleic Acids Research</i> , 2009, 37, e127-e127.	14.5	19
482	MicroRNA-125a-5p partly regulates the inflammatory response, lipid uptake, and ORP9 expression in oxLDL-stimulated monocyte/macrophages. <i>Cardiovascular Research</i> , 2009, 83, 131-139.	3.8	276

#	ARTICLE	IF	CITATIONS
483	Identification of Nutrient-Responsive Arabidopsis and Rapeseed MicroRNAs by Comprehensive Real-Time Polymerase Chain Reaction Profiling and Small RNA Sequencing. <i>Plant Physiology</i> , 2009, 150, 1541-1555.	4.8	414
484	Characterization of the miRNA-RISC loading complex and miRNA-RISC formed in the <i>Drosophila</i> miRNA pathway. <i>Rna</i> , 2009, 15, 1282-1291.	3.5	96
485	The NF90-NF45 Complex Functions as a Negative Regulator in the MicroRNA Processing Pathway. <i>Molecular and Cellular Biology</i> , 2009, 29, 3754-3769.	2.3	164
486	Repertoire and evolution of miRNA genes in four divergent nematode species. <i>Genome Research</i> , 2009, 19, 2064-2074.	5.5	107
487	Emerging roles of microRNAs as molecular switches in the integrated circuit of the cancer cell. <i>Rna</i> , 2009, 15, 1443-1461.	3.5	147
488	Chromatin poises miRNA- and protein-coding genes for expression. <i>Genome Research</i> , 2009, 19, 1742-1751.	5.5	135
489	microRNA expression in the eyes and their significance in relation to functions. <i>Progress in Retinal and Eye Research</i> , 2009, 28, 87-116.	15.5	96
490	HHMMiR: efficient de novo prediction of microRNAs using hierarchical hidden Markov models. <i>BMC Bioinformatics</i> , 2009, 10, S35.	2.6	87
491	Evolution of MIR168 paralogs in Brassicaceae. <i>BMC Evolutionary Biology</i> , 2009, 9, 62.	3.2	21
492	Alu-directed transcriptional regulation of some novel miRNAs. <i>BMC Genomics</i> , 2009, 10, 563.	2.8	52
493	Deciphering the transcriptional circuitry of microRNA genes expressed during human monocytic differentiation. <i>BMC Genomics</i> , 2009, 10, 595.	2.8	65
494	Characterization of global microRNA expression reveals oncogenic potential of miR-145 in metastatic colorectal cancer. <i>BMC Cancer</i> , 2009, 9, 374.	2.6	235
495	Clustered microRNAs' coordination in regulating protein-protein interaction network. <i>BMC Systems Biology</i> , 2009, 3, 65.	3.0	101
496	MicroRNAs and micromanaging the skeleton in disease, development and evolution. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 606-618.	3.6	37
497	MicroRNA 125a and its regulation of the p53 tumor suppressor gene. <i>FEBS Letters</i> , 2009, 583, 3725-3730.	2.8	87
498	MicroRNA expression changes during human leukemic HL-60 cell differentiation induced by 4-hydroxynonenal, a product of lipid peroxidation. <i>Free Radical Biology and Medicine</i> , 2009, 46, 282-288.	2.9	55
499	Targeted deletion of Dicer disrupts lens morphogenesis, corneal epithelium stratification, and whole eye development. <i>Developmental Dynamics</i> , 2009, 238, 2388-2400.	1.8	44
500	MicroRNAs: Novel Regulators During the Immune Response. <i>Journal of Cellular Physiology</i> , 2009, 218, 467-472.	4.1	153

#	ARTICLE	IF	CITATIONS
501	Genomic organization of microRNAs. <i>Journal of Cellular Physiology</i> , 2010, 222, 540-545.	4.1	183
502	Decreased expression of miR-125b and miR-100 in oral cancer cells contributes to malignancy. <i>Genes Chromosomes and Cancer</i> , 2009, 48, 569-582.	2.8	203
503	Characterization of B- and T-lineage acute lymphoblastic leukemia by integrated analysis of MicroRNA and mRNA expression profiles. <i>Genes Chromosomes and Cancer</i> , 2009, 48, 1069-1082.	2.8	87
504	Traumatic brain injury alters expression of hippocampal microRNAs: Potential regulators of multiple pathophysiological processes. <i>Journal of Neuroscience Research</i> , 2009, 87, 1435-1448.	2.9	199
505	MicroRNA-124a is a key regulator of proliferation and monocyte chemoattractant protein 1 secretion in fibroblast-like synoviocytes from patients with rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2009, 60, 1294-1304.	6.7	290
506	Genome-wide survey of rice microRNAs and microRNA-target pairs in the root of a novel auxin-resistant mutant. <i>Planta</i> , 2009, 230, 883-898.	3.2	84
507	A quick and efficient approach for gene silencing by using triple putative microRNA-based short hairpin RNAs. <i>Molecular and Cellular Biochemistry</i> , 2009, 323, 81-89.	3.1	21
508	Emerging functions of microRNAs in glioblastoma. <i>Journal of Neuro-Oncology</i> , 2009, 92, 297-306.	2.9	104
509	MicroRNA Expression Profiles in Thyroid Tumors. <i>Endocrine Pathology</i> , 2009, 20, 85-91.	9.0	110
510	MicroRNA biogenesis and function in higher plants. <i>Plant Biotechnology Reports</i> , 2009, 3, 111-126.	1.5	49
511	Diversity and evolution of MicroRNA gene clusters. <i>Science in China Series C: Life Sciences</i> , 2009, 52, 261-266.	1.3	53
512	Computational identification of microRNAs and their targets in wheat (<i>Triticum aestivum</i> L.). <i>Science in China Series C: Life Sciences</i> , 2009, 52, 1091-1100.	1.3	34
513	MicroRNA expression signature in gastric cancer. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 2009, 21, 74-80.	2.2	5
514	MicroRNAs and hepatitis viruses. <i>Frontiers of Medicine in China</i> , 2009, 3, 265-270.	0.1	1
515	The role of microRNAs in metastasis and epithelial-mesenchymal transition. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 1682-1699.	5.4	116
516	Dicer is required for proper liver zonation. <i>Journal of Pathology</i> , 2009, 219, 365-372.	4.5	94
517	Prognostic significance of Dicer expression in ovarian cancer—link to global microRNA changes and oestrogen receptor expression. <i>Journal of Pathology</i> , 2010, 220, 382-391.	4.5	84
518	Regulation of MicroRNA Biogenesis: A myriad of mechanisms. <i>Cell Communication and Signaling</i> , 2009, 7, 18.	6.5	274

#	ARTICLE	IF	CITATIONS
519	MicroRNA in the immune system, microRNA as an immune system. Immunology, 2009, 127, 291-298.	4.4	269
520	Suppression of cell growth and invasion by miR-205 in breast cancer. Cell Research, 2009, 19, 439-448.	12.0	328
521	miRNA Expression Profiling in Melanocytes and Melanoma Cell Lines Reveals miRNAs Associated with Formation and Progression of Malignant Melanoma. Journal of Investigative Dermatology, 2009, 129, 1740-1751.	0.7	220
522	Many roads to maturity: microRNA biogenesis pathways and their regulation. Nature Cell Biology, 2009, 11, 228-234.	10.3	2,328
523	Many X-linked microRNAs escape meiotic sex chromosome inactivation. Nature Genetics, 2009, 41, 488-493.	21.4	188
524	Small silencing RNAs: an expanding universe. Nature Reviews Genetics, 2009, 10, 94-108.	16.3	2,142
525	Revisiting the principles of microRNA target recognition and mode of action. Nature Reviews Molecular Cell Biology, 2009, 10, 141-148.	37.0	588
526	Biogenesis of small RNAs in animals. Nature Reviews Molecular Cell Biology, 2009, 10, 126-139.	37.0	2,885
527	MicroRNAs and apoptosis: implications in the molecular therapy of human disease. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 951-960.	1.9	66
528	The roles of microRNA in cancer and apoptosis. Biological Reviews, 2009, 84, 55-71.	10.4	346
529	Computational identification of novel microRNA homologs in the chimpanzee genome. Computational Biology and Chemistry, 2009, 33, 62-70.	2.3	39
530	Computational analysis and in vivo validation of a microRNA encoded by the IBTK gene, a regulator of B-lymphocytes differentiation and survival. Computational Biology and Chemistry, 2009, 33, 434-439.	2.3	9
531	Mechanisms of microRNA-mediated gene regulation. Science in China Series C: Life Sciences, 2009, 52, 1111-1116.	1.3	43
532	Expression of microRNA processing machinery genes in rhesus monkey oocytes and embryos of different developmental potentials. Molecular Reproduction and Development, 2009, 76, 255-269.	2.0	17
533	Identification and expression profiling of microRNAs during bovine oocyte maturation using heterologous approach. Molecular Reproduction and Development, 2009, 76, 665-677.	2.0	129
534	MicroRNAs in Cancer. Annual Review of Pathology: Mechanisms of Disease, 2009, 4, 199-227.	22.4	1,218
535	MicroRNAs: novel therapeutic targets in neurodegenerative diseases. Drug Discovery Today, 2009, 14, 1123-1129.	6.4	81
536	MicroRNA Regulation of Cancer Stem Cells and Therapeutic Implications. AAPS Journal, 2009, 11, 682-92.	4.4	140

#	ARTICLE	IF	CITATIONS
537	MicroRNAs: Novel Diagnostic and Therapeutic Tools for Pancreatic Ductal Adenocarcinoma?. <i>Annals of Surgical Oncology</i> , 2009, 16, 3183-3189.	1.5	54
538	Biocomputers: from test tubes to live cells. <i>Molecular BioSystems</i> , 2009, 5, 675.	2.9	190
539	MicroRNA expression profiling in bone marrow: Implications in hematological malignancies. <i>Biotechnology Journal</i> , 2009, 4, 88-97.	3.5	7
540	Differential expression of miRNAs in response to salt stress in maize roots. <i>Annals of Botany</i> , 2009, 103, 29-38.	2.9	467
541	Loss of Cardiac microRNA-Mediated Regulation Leads to Dilated Cardiomyopathy and Heart Failure. <i>Circulation Research</i> , 2009, 105, 585-594.	4.5	340
542	MicroRNAs in Barrett's esophagus and esophageal adenocarcinoma. <i>Current Opinion in Pharmacology</i> , 2009, 9, 727-732.	3.5	67
543	New insights into the molecular complexity of the ghrelin gene locus. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 297-304.	7.2	35
544	Control of microRNA biogenesis by TGF β 2 signaling pathway—A novel role of Smads in the nucleus. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 517-521.	7.2	69
545	DNA methylomes, histone codes and miRNAs: Tying it all together. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 87-95.	2.8	283
546	Origin, Biogenesis, and Activity of Plant MicroRNAs. <i>Cell</i> , 2009, 136, 669-687.	28.9	2,004
547	Independent transcription of miR-281 in the intron of ODA in <i>Drosophila melanogaster</i> . <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 883-889.	2.1	24
548	Bone morphogenetic protein-2 down-regulates miR-206 expression by blocking its maturation process. <i>Biochemical and Biophysical Research Communications</i> , 2009, 383, 125-129.	2.1	44
549	Regulation by c-Myc of ncRNA expression. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 38-43.	3.3	23
550	Genomic analysis of rice microRNA promoters and clusters. <i>Gene</i> , 2009, 431, 61-66.	2.2	65
551	Alterations of the microRNA network cause neurodegenerative disease. <i>Trends in Neurosciences</i> , 2009, 32, 199-206.	8.6	430
552	Transcription of the <i>C. elegans</i> let-7 microRNA is temporally regulated by one of its targets, hbl-1. <i>Developmental Biology</i> , 2009, 334, 523-534.	2.0	46
553	Identification of microRNA in the protist <i>Trichomonas vaginalis</i> . <i>Genomics</i> , 2009, 93, 487-493.	2.9	61
554	A discovery of novel microRNAs in the silkworm (<i>Bombyx mori</i>) genome. <i>Genomics</i> , 2009, 94, 438-444.	2.9	32

#	ARTICLE	IF	CITATIONS
555	Redox signalling and miRNA function in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2009, 47, 2-4.	1.9	7
556	MicroRNAs in Solid Tumors. Journal of Surgical Research, 2009, 154, 349-354.	1.6	38
557	MicroRNA in autoimmunity and autoimmune diseases. Journal of Autoimmunity, 2009, 32, 189-194.	6.5	455
558	Hierarchical Rules for Argonaute Loading in Drosophila. Molecular Cell, 2009, 36, 445-456.	9.7	242
559	MicroRNAs: Novel Biomarkers for Human Cancer. Clinical Chemistry, 2009, 55, 623-631.	3.2	485
560	RNA interference as an anticancer therapy: a patent perspective. Expert Opinion on Therapeutic Patents, 2009, 19, 475-491.	5.0	24
561	MicroRNAs as regulatory molecules in cancer: a focus on models defining miRNA functions. Drug Discovery Today: Disease Models, 2009, 6, 13-19.	1.2	1
562	Cancer Stem Cellâ€œDirected Therapies: Recent Data From the Laboratory and Clinic. Molecular Therapy, 2009, 17, 219-230.	8.2	161
564	MicroRNA-500 as a potential diagnostic marker for hepatocellular carcinoma. Biomarkers, 2009, 14, 529-538.	1.9	204
565	MicroRNAs in Cancer. Annual Review of Medicine, 2009, 60, 167-179.	12.2	1,702
566	Role of microRNAs in the regulation of drug metabolism and disposition. Expert Opinion on Drug Metabolism and Toxicology, 2009, 5, 1513-1528.	3.3	58
567	Genetic Modification of Hematopoietic Stem Cells. Methods in Molecular Biology, 2009, 506, v-xi.	0.9	2
568	Current tools for the identification of miRNA genes and their targets. Nucleic Acids Research, 2009, 37, 2419-2433.	14.5	211
569	Protein Networks and Pathway Analysis. Methods in Molecular Biology, 2009, 563, v-vii.	0.9	33
571	MicroRNAs in the ontogeny of leukemias and lymphomas. Leukemia and Lymphoma, 2009, 50, 160-170.	1.3	63
572	Discovery of microvascular miRNAs using public gene expression data: miR-145 is expressed in pericytes and is a regulator of Fli1. Genome Medicine, 2009, 1, 108.	8.2	82
573	siRNA and miRNA Gene Silencing. Methods in Molecular Biology, 2009, , .	0.9	5
574	A pre-microRNA classifier by structural and thermodynamic motifs. , 2009, , .		7

#	ARTICLE	IF	CITATIONS
575	Functional shRNA expression system with reduced off-target effects. , 2009, , .		1
576	MicroRNA involvement in the pathogenesis and management of breast cancer. Journal of Clinical Pathology, 2009, 62, 422-428.	2.0	60
577	Small RNAs and Their Roles in Plant Development. Annual Review of Cell and Developmental Biology, 2009, 25, 21-44.	9.4	867
578	A study of microRNAs <i>in silico</i> and <i>in vivo</i> : bioimaging of microRNA biogenesis and regulation. FEBS Journal, 2009, 276, 2165-2174.	4.7	23
579	Functional Dissection of the Human TNRC6 (GW182-Related) Family of Proteins. Molecular and Cellular Biology, 2009, 29, 4144-4155.	2.3	104
580	MicroRNAs: tools for cancer diagnostics. Gut, 2009, 58, 1546-1554.	12.1	110
581	Analysis of Human Alphaherpesvirus MicroRNA Expression in Latently Infected Human Trigeminal Ganglia. Journal of Virology, 2009, 83, 10677-10683.	3.4	159
582	Long noncoding RNAs: functional surprises from the RNA world. Genes and Development, 2009, 23, 1494-1504.	5.9	2,032
583	Computational Biology of Small Regulatory RNAs. , 2009, , 115-145.		0
584	Alteration of miRNA profiles by ionizing radiation in A549 human non-small cell lung cancer cells. International Journal of Oncology, 2009, 35, .	3.3	34
585	Epigenetic alterations associated with cholangiocarcinoma (Review). Oncology Reports, 2009, , .	2.6	15
586	Micro-RNA mediated regulation of proliferation, self-renewal and differentiation of mammalian stem cells. Cell Adhesion and Migration, 2009, 3, 425-432.	2.7	14
587	Identification of ionizing radiation-responsive microRNAs in the IM9 human B lymphoblastic cell line. International Journal of Oncology, 2009, 34, 1661-8.	3.3	41
588	Subnuclear compartmentalization of transiently expressed polyadenylated pri-microRNAs: Processing at transcription sites or accumulation in SC35 foci. Cell Cycle, 2009, 8, 345-356.	2.6	25
589	Biogenesis and Function of Plant microRNAs. , 2009, , 173-195.		1
590	Transcriptional repression of microRNA genes by PML-RARA increases expression of key cancer proteins in acute promyelocytic leukemia. Blood, 2009, 113, 412-421.	1.4	97
591	MicroRNAs that respond to histone deacetylase inhibitor SAHA and p53 in HCT116 human colon carcinoma cells. International Journal of Oncology, 2009, 35, 1343-52.	3.3	26
592	The Small RNAs of <i>Physcomitrella patens</i> : Expression, Function and Evolution. , 0, , 113-142.		2

#	ARTICLE	IF	CITATIONS
593	The clinicopathological relevance of microRNA in normal and malignant haematopoiesis. <i>Pathology</i> , 2009, 41, 204-213.	0.6	15
594	The tiny world of microRNAs in the cross hairs of the mammalian eye. <i>Human Genomics</i> , 2009, 3, 332.	2.9	11
595	Lentiviral Delivery of RNAi Effectors Against HIV-1. <i>Current Topics in Medicinal Chemistry</i> , 2009, 9, 1130-1143.	2.1	21
596	MicroRNAs and Ischemic Heart Disease: Towards a Better Comprehension of Pathogenesis, New Diagnostic Tools and New Therapeutic Targets. <i>Recent Patents on Cardiovascular Drug Discovery</i> , 2009, 4, 109-118.	1.5	50
597	In Search of the Most Suitable Lentiviral shRNA System. <i>Current Gene Therapy</i> , 2009, 9, 192-211.	2.0	16
598	MicroRNAs in Leukemias: Emerging Diagnostic Tools and Therapeutic Targets. <i>Current Drug Targets</i> , 2010, 11, 801-811.	2.1	9
599	MicroRNA Regulation in Cardiovascular Disease. <i>Current Drug Targets</i> , 2010, 11, 900-906.	2.1	29
600	Development of Novel Cardiovascular Therapeutics From Small Regulatory RNA Molecules - An Outline of Key Requirements. <i>Current Pharmaceutical Design</i> , 2010, 16, 2252-2268.	1.9	13
601	MicroRNAs: Macro Challenges on Understanding Human Biological Functions and Neurological Diseases. <i>Current Molecular Medicine</i> , 2010, 10, 692-704.	1.3	12
602	MicroRNA: Biogenesis, Function and Role in Cancer. <i>Current Genomics</i> , 2010, 11, 537-561.	1.6	1,372
603	Role of MicroRNAs in Cardiovascular Disease: Therapeutic Challenges and Potentials. <i>Journal of Cardiovascular Pharmacology</i> , 2010, 56, 444-453.	1.9	55
604	Biogenesis and regulation of microRNA: implication in Alzheimer's disease. <i>Future Neurology</i> , 2010, 5, 839-850.	0.5	2
606	Biogenesis and function of endogenous and exogenous siRNAs. <i>Wiley Interdisciplinary Reviews RNA</i> , 2010, 1, 117-131.	6.4	31
607	Post-transcriptional gene-expression regulation by micro RNA (miRNA) network in renal disease†. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 1390-1401.	13.7	29
608	MicroRNAs: Synthesis, mechanism, function, and recent clinical trials. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010, 1803, 1231-1243.	4.1	698
609	microRNAs in Sporadic Alzheimer's Disease and Related Dementias. <i>Research and Perspectives in Neurosciences</i> , 2010, , 91-98.	0.4	1
610	Computational approaches for microRNA studies: a review. <i>Mammalian Genome</i> , 2010, 21, 1-12.	2.2	152
611	Novel microRNAs in silkworm (<i>Bombyx mori</i>). <i>Functional and Integrative Genomics</i> , 2010, 10, 405-415.	3.5	37

#	ARTICLE	IF	CITATIONS
612	MicroRNAs and cancer. Chinese-German Journal of Clinical Oncology, 2010, 9, 547-554.	0.1	4
613	MicroRNAs in Cardiovascular Diseases: Biology and Potential Clinical Applications. Journal of Cardiovascular Translational Research, 2010, 3, 256-270.	2.4	36
614	microRNAs: tiny RNA molecules, huge driving forces to move the cell. Protein and Cell, 2010, 1, 916-926.	11.0	27
615	A study of miRNAs targets prediction and experimental validation. Protein and Cell, 2010, 1, 979-986.	11.0	51
616	Analysis of nucleosome positioning in promoters of miRNA genes and protein-coding genes. Science Bulletin, 2010, 55, 2347-2352.	1.7	1
617	Defining Larger Roles for "Tiny" RNA Molecules: Role of miRNAs in Neurodegeneration Research. Journal of NeuroImmune Pharmacology, 2010, 5, 63-69.	4.1	22
618	Post-transcriptional regulation of miRNA biogenesis and functions. Frontiers in Biology, 2010, 5, 32-40.	0.7	6
619	Comparative Studies of Various Artificial microRNA Expression Vectors for RNAi in Mammalian Cells. Molecular Biotechnology, 2010, 46, 34-40.	2.4	23
620	Application of RNA interference in treating human diseases. Journal of Genetics, 2010, 89, 527-537.	0.7	43
621	MicroRNA in the Adaptive Immune System, in Sickness and in Health. Journal of Clinical Immunology, 2010, 30, 339-346.	3.8	79
622	microRNAs and EMT in Mammary Cells and Breast Cancer. Journal of Mammary Gland Biology and Neoplasia, 2010, 15, 213-223.	2.7	51
623	MicroRNA-200b regulates cyclin D1 expression and promotes S-phase entry by targeting RND3 in HeLa cells. Molecular and Cellular Biochemistry, 2010, 344, 261-266.	3.1	62
624	Cloning and characterization of microRNAs from porcine skeletal muscle and adipose tissue. Molecular Biology Reports, 2010, 37, 3567-3574.	2.3	34
625	Diet, MicroRNAs and Prostate Cancer. Pharmaceutical Research, 2010, 27, 1014-1026.	3.5	63
626	Regulation of microRNAs by Natural Agents: An Emerging Field in Chemoprevention and Chemotherapy Research. Pharmaceutical Research, 2010, 27, 1027-1041.	3.5	188
627	Hepatic Stellate Cell-Specific Gene Silencing Induced by an Artificial MicroRNA for Antifibrosis In Vitro. Digestive Diseases and Sciences, 2010, 55, 642-653.	2.3	10
628	Discovering conserved insect microRNAs from expressed sequence tags. Journal of Insect Physiology, 2010, 56, 1763-1769.	2.0	21
629	Differentially expressed microRNAs regulate plasmacytoid vs. conventional dendritic cell development. Molecular Immunology, 2010, 48, 333-340.	2.2	43

#	ARTICLE	IF	CITATIONS
630	miR-497 regulates neuronal death in mouse brain after transient focal cerebral ischemia. <i>Neurobiology of Disease</i> , 2010, 38, 17-26.	4.4	285
631	microRNA: Emerging therapeutic targets in acute ischemic diseases. , 2010, 125, 92-104.		166
632	A potential role for intragenic miRNAs on their hosts' interactome. <i>BMC Genomics</i> , 2010, 11, 533.	2.8	142
633	RNA editing of nuclear transcripts in <i>Arabidopsis thaliana</i> . <i>BMC Genomics</i> , 2010, 11, S12.	2.8	44
634	Small RNAs in flower development. <i>European Journal of Cell Biology</i> , 2010, 89, 250-257.	3.6	15
635	Novel modulators of senescence, aging, and longevity: Small non-coding RNAs enter the stage. <i>Experimental Gerontology</i> , 2010, 45, 302-311.	2.8	97
636	Cancer therapy via modulation of micro RNA levels: a promising future. <i>Drug Discovery Today</i> , 2010, 15, 733-740.	6.4	64
637	MicroRNAs in Sjögren's syndrome as a prototypic autoimmune disease. <i>Autoimmunity Reviews</i> , 2010, 9, 618-621.	5.8	80
638	Transcriptional control of the glucocorticoid receptor: CpG islands, epigenetics and more. <i>Biochemical Pharmacology</i> , 2010, 80, 1860-1868.	4.4	134
639	RNAi therapeutics for CNS disorders. <i>Brain Research</i> , 2010, 1338, 112-121.	2.2	51
640	MicroRNAs as a molecular basis for mental retardation, Alzheimer's and prion diseases. <i>Brain Research</i> , 2010, 1338, 58-66.	2.2	67
641	The role of microRNA in rheumatoid arthritis and other autoimmune diseases. <i>Clinical Immunology</i> , 2010, 136, 1-15.	3.2	159
642	Analysis of rhesus rhadinovirus microRNAs expressed in virus-induced tumors from infected rhesus macaques. <i>Virology</i> , 2010, 405, 592-599.	2.4	39
643	The role of microRNAs in normal and malignant hematopoiesis. <i>European Journal of Haematology</i> , 2010, 84, 1-16.	2.2	169
644	Potential role of microRNAs in head and neck tumorigenesis. <i>Head and Neck</i> , 2010, 32, 1099-1111.	2.0	52
645	miRNA genes and the brain: implications for psychiatric disordersa. <i>Human Mutation</i> , 2010, 31, 1195-1204.	2.5	64
647	Analysis of the <i>MicroRNA-133</i> and <i>PITX3</i> genes in Parkinson's disease. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010, 153B, 1234-1239.	1.7	33
648	Association of a common <i>AGO1</i> variant with lung cancer risk: A two-stage case-control study. <i>Molecular Carcinogenesis</i> , 2010, 49, 913-921.	2.7	54

#	ARTICLE	IF	CITATIONS
649	MicroRNA as a new player in the cell cycle. <i>Journal of Cellular Physiology</i> , 2010, 225, 296-301.	4.1	42
650	Toward a system-level understanding of microRNA pathway via mathematical modeling. <i>BioSystems</i> , 2010, 100, 31-38.	2.0	33
651	Emerging role of small ribonucleic acids in gastrointestinal tumors. <i>Critical Reviews in Oncology/Hematology</i> , 2010, 76, 173-185.	4.4	0
652	Micro-RNA “ A potential for forensic science?. <i>Forensic Science International</i> , 2010, 203, 106-111.	2.2	80
653	Identification of baboon microRNAs expressed in liver and lymphocytes. <i>Journal of Biomedical Science</i> , 2010, 17, 54.	7.0	9
654	Expression patterns of intronic microRNAs in <i>Caenorhabditis elegans</i> . <i>Silence: A Journal of RNA Regulation</i> , 2010, 1, 5.	8.1	59
655	Progressive renal distortion by multiple cysts in transgenic mice expressing artificial microRNAs against <i>Pkd1</i> . <i>Journal of Pathology</i> , 2010, 222, 238-248.	4.5	32
656	Inhibitory RNA in epilepsy: Research tools and therapeutic perspectives. <i>Epilepsia</i> , 2010, 51, 1659-1668.	5.1	24
657	Identification and characterization of microRNAs from porcine skeletal muscle. <i>Animal Genetics</i> , 2010, 41, 179-190.	1.7	42
658	The microRNA pathway and cancer. <i>Cancer Science</i> , 2010, 101, 2309-2315.	3.9	208
659	Deregulation of miR-19a, 153, and 485b and its clinicopathological relevance in ovarian epithelial tumours. <i>Histopathology</i> , 2010, 57, 734-743.	2.9	107
660	Next-generation small RNA sequencing for microRNAs profiling in the honey bee <i>Apis mellifera</i> . <i>Insect Molecular Biology</i> , 2010, 19, 799-805.	2.0	52
661	MicroRNA in lung cancer. <i>British Journal of Cancer</i> , 2010, 103, 1144-1148.	6.4	224
662	microRNAs: critical regulators in Th17 cells and players in diseases. <i>Cellular and Molecular Immunology</i> , 2010, 7, 175-181.	10.5	57
663	The nuclear export receptor XPO-1 supports primary miRNA processing in <i>C. elegans</i> and <i>Drosophila</i> . <i>EMBO Journal</i> , 2010, 29, 1830-1839.	7.8	72
664	MicroRNA-mediated control in the skin. <i>Cell Death and Differentiation</i> , 2010, 17, 229-235.	11.2	97
665	MicroRNA and drug resistance. <i>Cancer Gene Therapy</i> , 2010, 17, 523-531.	4.6	281
666	Enhanced target gene knockdown by a bifunctional shRNA: a novel approach of RNA interference. <i>Cancer Gene Therapy</i> , 2010, 17, 780-791.	4.6	44

#	ARTICLE	IF	CITATIONS
667	Targeting microRNAs in cancer: rationale, strategies and challenges. Nature Reviews Drug Discovery, 2010, 9, 775-789.	46.4	1,308
668	MicroRNAs of the immune system. Annals of the New York Academy of Sciences, 2010, 1183, 183-194.	3.8	149
669	Review: The role of microRNAs in kidney disease. Nephrology, 2010, 15, 599-608.	1.6	124
670	microRNAs in diseases: from candidate to modifier genes. Clinical Genetics, 2010, 77, 306-313.	2.0	87
673	Physiological and Pathological Functions of Mammalian MicroRNAs. , 2010, , 427-446.		6
674	MicroRNA Implication in Cancer. Notulae Scientia Biologicae, 2010, 2, 07-13.	0.4	1
675	Role of microRNAs in the molecular diagnosis of cancer. Journal of Nucleic Acids Investigation, 2010, 1, 4.	0.8	5
676	miR-126 and miR-126*: New Players in Cancer. Scientific World Journal, The, 2010, 10, 2090-2100.	2.1	188
677	The Fate of miRNA* Strand through Evolutionary Analysis: Implication for Degradation As Merely Carrier Strand or Potential Regulatory Molecule?. PLoS ONE, 2010, 5, e11387.	2.5	198
678	Genetics of Hypertension and Cardiovascular Disease. International Journal of Hypertension, 2010, 2010, 1-2.	1.3	2
679	The role of micro-ribonucleic acids in normal hematopoiesis and leukemic T-lymphogenesis. Brazilian Journal of Medical and Biological Research, 2010, 43, 619-626.	1.5	7
680	RNA Surveillance: Molecular Approaches in Transcript Quality Control and their Implications in Clinical Diseases. Molecular Medicine, 2010, 16, 53-68.	4.4	14
681	miRNAs as molecular biomarkers of cancer. Expert Review of Molecular Diagnostics, 2010, 10, 435-444.	3.1	88
682	Differential expression of microRNAs in human parathyroid carcinomas compared with normal parathyroid tissue. Endocrine-Related Cancer, 2010, 17, 135-146.	3.1	132
683	RNA duplexes in transcriptional regulation. Biomolecular Concepts, 2010, 1, 285-296.	2.2	1
684	Quantitative analysis of conditional gene inactivation using rationally designed, tetracycline-controlled miRNAs. Nucleic Acids Research, 2010, 38, e168-e168.	14.5	26
685	Atypical transcription of microRNA gene fragments. Nucleic Acids Research, 2010, 38, 2775-2787.	14.5	12
686	Binding of NF-kappaB p65 subunit to the promoter elements is involved in LPS-induced transactivation of miRNA genes in human biliary epithelial cells. Nucleic Acids Research, 2010, 38, 3222-3232.	14.5	180

#	ARTICLE	IF	CITATIONS
687	DSAP: deep-sequencing small RNA analysis pipeline. <i>Nucleic Acids Research</i> , 2010, 38, W385-W391.	14.5	91
688	MicroRNA-224 Is Involved in Transforming Growth Factor- β -Mediated Mouse Granulosa Cell Proliferation and Granulosa Cell Function by Targeting Smad4. <i>Molecular Endocrinology</i> , 2010, 24, 540-551.	3.7	249
689	Methodological framework for functional characterization of plant microRNAs. <i>Journal of Experimental Botany</i> , 2010, 61, 2271-2280.	4.8	9
690	In-Depth Analysis of Kaposi's Sarcoma-Associated Herpesvirus MicroRNA Expression Provides Insights into the Mammalian MicroRNA-Processing Machinery. <i>Journal of Virology</i> , 2010, 84, 695-703.	3.4	130
691	Sequence-non-specific effects of RNA interference triggers and microRNA regulators. <i>Nucleic Acids Research</i> , 2010, 38, 1-16.	14.5	485
692	Computational Identification of Novel MicroRNAs and Their Targets in <i>Vigna unguiculata</i> . <i>Comparative and Functional Genomics</i> , 2010, 2010, 1-17.	2.0	36
693	Genomic analysis of miRNAs in an extreme mammalian hibernator, the Arctic ground squirrel. <i>Physiological Genomics</i> , 2010, 42A, 39-51.	2.3	40
694	Role of MicroRNAs in Cardiac Preconditioning. <i>Journal of Cardiovascular Pharmacology</i> , 2010, 56, 581-588.	1.9	52
695	Macro Roles for MicroRNAs in the Life and Death of Neurons. <i>Research and Perspectives in Neurosciences</i> , 2010, , .	0.4	4
696	High-throughput degradome sequencing can be used to gain insights into microRNA precursor metabolism. <i>Journal of Experimental Botany</i> , 2010, 61, 3833-3837.	4.8	46
697	Epigenetics and miRNAs in Human Cancer. <i>Advances in Genetics</i> , 2010, 70, 87-99.	1.8	160
698	Identification of MicroRNAs Regulating Reprogramming Factor LIN28 in Embryonic Stem Cells and Cancer Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 41961-41971.	3.4	136
699	MicroRNA Expression and Virulence in Pandemic Influenza Virus-Infected Mice. <i>Journal of Virology</i> , 2010, 84, 3023-3032.	3.4	158
700	MicroRNA-21: A novel therapeutic target in human cancer. <i>Cancer Biology and Therapy</i> , 2010, 10, 1224-1232.	3.4	282
701	Targeting miR-21 in glioma: a small RNA with big potential. <i>Expert Opinion on Therapeutic Targets</i> , 2010, 14, 1247-1257.	3.4	47
702	Characterization of <i>EMU</i> , the <i>Arabidopsis</i> homolog of the yeast THO complex member <i>HPR1</i> . <i>Rna</i> , 2010, 16, 1809-1817.	3.5	46
704	A network connecting Runx2, SATB2, and the miR-23a ^{1/4} 23a ^{2/4} 24-2 cluster regulates the osteoblast differentiation program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19879-19884.	7.1	327
705	CREB up-regulates long non-coding RNA, HULC expression through interaction with microRNA-372 in liver cancer. <i>Nucleic Acids Research</i> , 2010, 38, 5366-5383.	14.5	905

#	ARTICLE	IF	CITATIONS
706	The Interface of MicroRNAs and Transcription Factor Networks. , 2010, , 109-137.		1
707	Inhibition of metastasis-associated lung adenocarcinoma transcript 1 in CaSki human cervical cancer cells suppresses cell proliferation and invasion. Acta Biochimica Et Biophysica Sinica, 2010, 42, 224-229.	2.0	212
708	Acute Myelogenous Leukemia. Cancer Treatment and Research, 2010, , .	0.5	1
709	SusMiRPred: Ab Initio SVM Classification for Porcine MicroRNA Precursor Prediction. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
710	Cardiovascular Disease, Single Nucleotide Polymorphisms; and the Renin Angiotensin System: Is There a MicroRNA Connection?. International Journal of Hypertension, 2010, 2010, 1-13.	1.3	30
711	MicroRNA (miRNA) Expression is Regulated by Butyrate-Induced Epigenetic Modulation of Gene Expression in Bovine Cells. Genetics & Epigenetics, 2010, 3, GEG.S6144.	2.5	7
712	Possibilities for RNA Interference in Developing Hepatitis C Virus Therapeutics. Viruses, 2010, 2, 1647-1665.	3.3	6
713	miR-221 suppresses ICAM-1 translation and regulates interferon- β -induced ICAM-1 expression in human cholangiocytes. American Journal of Physiology - Renal Physiology, 2010, 298, G542-G550.	3.4	52
714	MicroRNAs and lung cancer: Biology and applications in diagnosis and prognosis. Journal of Carcinogenesis, 2010, 9, 8.	2.5	39
715	Mature and functional viral miRNAs transcribed from novel RNA polymerase III promoters. Rna, 2010, 16, 170-185.	3.5	75
716	microRNA access to the target helicases from rice. Plant Signaling and Behavior, 2010, 5, 1171-1175.	2.4	10
717	The pro-differentiating role of miR-124: Indicating the road to become a neuron. RNA Biology, 2010, 7, 528-533.	3.1	41
718	miR-223 and miR-142 attenuate hematopoietic cell proliferation, and miR-223 positively regulates miR-142 through LMO2 isoforms and CEBP- β . Cell Research, 2010, 20, 1158-1169.	12.0	91
719	Myc: Maestro of MicroRNAs. Genes and Cancer, 2010, 1, 568-575.	1.9	123
720	Mechanisms of microRNA-mediated auxin signaling inferred from the rice mutant osaxr. Plant Signaling and Behavior, 2010, 5, 252-254.	2.4	34
721	Phosphorylation of the RNase III enzyme Drosha at Serine300 or Serine302 is required for its nuclear localization. Nucleic Acids Research, 2010, 38, 6610-6619.	14.5	72
722	MicroRNA-21 as a Novel Therapeutic Target. Current Cancer Therapy Reviews, 2010, 6, 41-50.	0.3	2
723	microRNAs in Cancer. Advances in Cancer Research, 2010, 108, 113-157.	5.0	43

#	ARTICLE	IF	CITATIONS
724	Close association of RNA polymerase II and many transcription factors with Pol III genes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3639-3644.	7.1	167
725	MicroRNA Polymorphisms, MicroRNA Pharmacogenomics and Cancer Susceptibility. Current Pharmacogenomics and Personalized Medicine, 2010, 8, 289-305.	0.2	2
726	miRNA: Small Molecules as Potential Novel Biomarkers in Cancer. Current Medicinal Chemistry, 2010, 17, 4427-4432.	2.4	60
727	Isolated GH Deficiency Type II: Knockdown of the Harmful β 3GH Recovers wt-GH Secretion in Rat Tumor Pituitary Cells. Endocrinology, 2010, 151, 4400-4409.	2.8	13
728	The role of microRNAs in endometriosis and associated reproductive conditions. Human Reproduction Update, 2010, 16, 142-165.	10.8	255
729	miRBase: microRNA Sequences and Annotation. Current Protocols in Bioinformatics, 2010, 29, Unit 12.9.1-10.	25.8	171
730	MicroRNAs and prostate cancer. Endocrine-Related Cancer, 2010, 17, F1-F17.	3.1	139
731	Stem Cells in Normal Development and Cancer. Progress in Molecular Biology and Translational Science, 2010, 95, 113-158.	1.7	57
733	MicroRNAs in Mammalian Development. Molecular Medicine and Medicinal, 2010, , 95-123.	0.4	0
734	MicroRNAs in Hematopoietic Development. Molecular Medicine and Medicinal, 2010, , 125-148.	0.4	0
735	Simultaneous Detection of Primary, Precursor and Mature MicroRNAs by qPCR. Molecular Medicine and Medicinal, 2010, , 185-195.	0.4	0
736	microRNA Biogenesis and Function. Advances in Experimental Medicine and Biology, 2010, 700, 1-14.	1.6	59
737	Autoregulatory Mechanisms Controlling the Microprocessor. Advances in Experimental Medicine and Biology, 2010, 700, 56-66.	1.6	14
738	MicroRNases and the Regulated Degradation of Mature Animal miRNAs. Advances in Experimental Medicine and Biology, 2010, 700, 140-155.	1.6	25
739	Regulation of pri-miRNA Processing Through Smads. Advances in Experimental Medicine and Biology, 2010, 700, 15-27.	1.6	10
740	Checks and balances: E2F α microRNA crosstalk in cancer control. Cell Cycle, 2010, 9, 2555-2567.	2.6	74
741	Next Generation Sequencing of miRNAs – Strategies, Resources and Methods. Genes, 2010, 1, 70-84.	2.4	112
742	Microvesicles Derived from Adult Human Bone Marrow and Tissue Specific Mesenchymal Stem Cells Shuttle Selected Pattern of miRNAs. PLoS ONE, 2010, 5, e11803.	2.5	554

#	ARTICLE	IF	CITATIONS
743	High-Throughput Profiling in the Hematopoietic System. <i>Methods in Molecular Biology</i> , 2010, 667, 79-91.	0.9	2
744	MicroRNAs and breast cancer. <i>Molecular Oncology</i> , 2010, 4, 230-241.	4.6	96
745	MicroRNAs: a novel class of potential therapeutic targets for cardiovascular diseases. <i>Acta Pharmacologica Sinica</i> , 2010, 31, 1-9.	6.1	72
746	MicroRNAs in inflammatory lung disease - master regulators or target practice?. <i>Respiratory Research</i> , 2010, 11, 148.	3.6	129
747	Cooperative and individualistic functions of the microRNAs in the miR-23a~27a~24-2 cluster and its implication in human diseases. <i>Molecular Cancer</i> , 2010, 9, 232.	19.2	278
748	MicroRNA profiling of tomato leaf curl new delhi virus (tolcndv) infected tomato leaves indicates that deregulation of mir159/319 and mir172 might be linked with leaf curl disease. <i>Virology Journal</i> , 2010, 7, 281.	3.4	142
749	Epigenetic Aspects of Fertilization and Preimplantation Development in Mammals: Lessons from the Mouse. <i>Systems Biology in Reproductive Medicine</i> , 2010, 56, 388-404.	2.1	11
750	Mechanisms of control of microRNA biogenesis. <i>Journal of Biochemistry</i> , 2010, 148, 381-92.	1.7	202
751	MicroRNA in Cancer: The Involvement of Aberrant MicroRNA Biogenesis Regulatory Pathways. <i>Genes and Cancer</i> , 2010, 1, 1100-1114.	1.9	157
752	Mechanical Stretch Up-regulates MicroRNA-26a and Induces Human Airway Smooth Muscle Hypertrophy by Suppressing Glycogen Synthase Kinase-3 β . <i>Journal of Biological Chemistry</i> , 2010, 285, 29336-29347.	3.4	186
753	Costimulation-Dependent Expression of MicroRNA-214 Increases the Ability of T Cells To Proliferate by Targeting <i>Pten</i> . <i>Journal of Immunology</i> , 2010, 185, 990-997.	0.8	116
754	A Mammalian Herpesvirus Uses Noncanonical Expression and Processing Mechanisms to Generate Viral MicroRNAs. <i>Molecular Cell</i> , 2010, 37, 135-142.	9.7	194
755	Analysis of phosphorus-deficient responsive miRNAs and cis-elements from soybean (<i>Glycine max</i> L.). <i>Journal of Plant Physiology</i> , 2010, 167, 1289-1297.	3.5	96
756	Conserved miRNAs and their targets identified in lettuce (<i>Lactuca</i>) by EST analysis. <i>Gene</i> , 2010, 463, 1-7.	2.2	18
757	Lin-28: An early embryonic sentinel that blocks Let-7 biogenesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1330-1333.	2.8	21
758	The road toward microRNA therapeutics. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1298-1305.	2.8	89
759	MicroRNA in pancreatic cancer: Pathological, diagnostic and therapeutic implications. <i>Cancer Letters</i> , 2010, 292, 8-16.	7.2	86
760	MicroRNA expression and its implication for the diagnosis and therapeutic strategies of gastric cancer. <i>Cancer Letters</i> , 2010, 297, 137-143.	7.2	72

#	ARTICLE	IF	CITATIONS
761	MicroRNA Regulatory Networks in Cardiovascular Development. <i>Developmental Cell</i> , 2010, 18, 510-525.	7.0	466
762	Implication of microRNAs in drug resistance for designing novel cancer therapy. <i>Drug Resistance Updates</i> , 2010, 13, 57-66.	14.4	192
763	MicroRNA-mediated signaling involved in plant root development. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 345-349.	2.1	148
764	MicroRNAs target gene and signaling pathway by bioinformatics analysis in the cardiac hypertrophy. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 380-385.	2.1	22
765	MicroRNAs Involved in Molecular Circuitries Relevant for the Duchenne Muscular Dystrophy Pathogenesis Are Controlled by the Dystrophin/nNOS Pathway. <i>Cell Metabolism</i> , 2010, 12, 341-351.	16.2	228
766	Characterization and expression analysis of the Arabidopsis mir169 family. <i>Plant Science</i> , 2010, 178, 271-280.	3.6	45
767	MicroRNA expression profiling of elongated cloned and in vitro fertilized bovine embryos. <i>Theriogenology</i> , 2010, 73, 71-85.	2.1	37
768	Dysregulated microRNAs in neurodegenerative disorders. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 768-773.	5.0	91
769	The microRNAs of <i>Caenorhabditis elegans</i> . <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 728-737.	5.0	36
770	Plant microRNAs: An insight into their gene structures and evolution. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 782-789.	5.0	50
771	MicroRNA expression profiling in the prefrontal cortex of individuals affected with schizophrenia and bipolar disorders. <i>Schizophrenia Research</i> , 2010, 124, 183-191.	2.0	258
772	microRNA Biogenesis and its Impact on RNA Interference. , 2010, , 325-354.		1
773	Biochemical Principles of Small RNA Pathways. <i>Annual Review of Biochemistry</i> , 2010, 79, 295-319.	11.1	181
774	MicroRNA Regulation of Embryonic Stem Cell Self-Renewal and Differentiation. <i>Advances in Experimental Medicine and Biology</i> , 2010, 695, 105-117.	1.6	52
775	Genomic Analysis of MicroRNA Promoters and Their Cis-Acting Elements in Soybean. <i>Agricultural Sciences in China</i> , 2010, 9, 1561-1570.	0.6	11
776	Characterization of Evolutionarily Conserved MicroRNAs in <i>Amphioxus</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2010, 8, 10-21.	6.9	2
777	Alterations of MicroRNAs in Solid Cancers and Their Prognostic Value. <i>Cancers</i> , 2010, 2, 1328-1353.	3.7	15
778	An Omics Perspective on Cancer Research. , 2010, , .		20

#	ARTICLE	IF	CITATIONS
779	Plant MicroRNAs. Methods in Molecular Biology, 2010, , .	0.9	7
780	NutrimiRomics: The Promise of a New Discipline in Nutrigenomics. , 2010, , 35-43.		0
781	Multiple distinct small RNAs originate from the same microRNA precursors. Genome Biology, 2010, 11, R81.	9.6	118
782	Integration of microRNA changes in vivo identifies novel molecular features of muscle insulin resistance in type 2 diabetes. Genome Medicine, 2010, 2, 9.	8.2	225
783	The Cell Biology of Stem Cells. Advances in Experimental Medicine and Biology, 2010, , .	1.6	3
785	The Role of MicroRNA in Chemical Carcinogenesis. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2010, 28, 89-124.	2.9	60
786	The Role of RNA Interference in theDrosophilaAntiviral Immune Response. Bios, 2010, 81, 99-104.	0.0	0
787	MicroRNAs in embryonic stem cell function and fate. Genes and Development, 2010, 24, 2732-2741.	5.9	91
788	The Emerging Role of MicroRNAs as a Therapeutic Target for Cardiovascular Disease. BioDrugs, 2010, 24, 147-155.	4.6	10
789	MicroRNAs as biomarkers in rheumatic diseases. Nature Reviews Rheumatology, 2010, 6, 391-398.	8.0	188
790	MicroRNA biogenesis and regulation of bone remodeling. Arthritis Research and Therapy, 2011, 13, 220.	3.5	146
791	The Regulatory Activities of Plant MicroRNAs: A More Dynamic Perspective. Plant Physiology, 2011, 157, 1583-1595.	4.8	92
792	Plant siRNAs from introns mediate DNA methylation of host genes. Rna, 2011, 17, 1012-1024.	3.5	35
793	MicroRNAs in platelet production and activation. Blood, 2011, 117, 5289-5296.	1.4	112
794	NF-kB and c-Jun induce the expression of the oncogenic miR-221 and miR-222 in prostate carcinoma and glioblastoma cells. Nucleic Acids Research, 2011, 39, 3892-3902.	14.5	165
795	Downregulation of miR-132 by promoter methylation contributes to pancreatic cancer development. Carcinogenesis, 2011, 32, 1183-1189.	2.8	144
796	A Runx2/miR-3960/miR-2861 Regulatory Feedback Loop during Mouse Osteoblast Differentiation. Journal of Biological Chemistry, 2011, 286, 12328-12339.	3.4	207
797	MicroRNAs in Drosophila Development. International Review of Cell and Molecular Biology, 2011, 286, 1-65.	3.2	44

#	ARTICLE	IF	CITATIONS
798	Altered MicroRNA Expression Profiles in Postmortem Brain Samples from Individuals with Schizophrenia and Bipolar Disorder. <i>Biological Psychiatry</i> , 2011, 69, 188-193.	1.3	254
799	Microribonucleic Acids for Prevention of Plaque Rupture and In-Stent Restenosis. <i>Journal of the American College of Cardiology</i> , 2011, 57, 383-389.	2.8	33
800	Mechanisms of Epigenetic Gene Silencing. , 2011, , 41-53.		0
801	Methods for Analyzing MicroRNA Expression and Function During Osteogenic Differentiation of Human Adipose Tissue-Derived Mesenchymal Stem Cells. <i>Methods in Molecular Biology</i> , 2011, 702, 401-418.	0.9	2
802	Analysis of the Conservative Motifs in Promoters of miRNA Genes, Expressed in Different Tissues of Mammalians. , 2011, , 325-340.		0
803	MicroRNA Biogenesis and Cancer. <i>Methods in Molecular Biology</i> , 2011, 676, 3-22.	0.9	109
804	MicroRNA, a new paradigm for understanding immunoregulation, inflammation, and autoimmune diseases. <i>Translational Research</i> , 2011, 157, 163-179.	5.0	379
805	MicroRNAs: Key Components of Immune Regulation. <i>Advances in Experimental Medicine and Biology</i> , 2011, 780, 15-26.	1.6	75
806	microRNAs: Master Regulators as Potential Therapeutics in Cancer. <i>Annual Review of Pharmacology and Toxicology</i> , 2011, 51, 25-43.	9.4	262
807	MicroRNAs as mediators and therapeutic targets in chronic kidney disease. <i>Nature Reviews Nephrology</i> , 2011, 7, 286-294.	9.6	191
808	Betulinic acid inhibits colon cancer cell and tumor growth and induces proteasome-dependent and -independent downregulation of specificity proteins (Sp) transcription factors. <i>BMC Cancer</i> , 2011, 11, 371.	2.6	139
809	MicroRNAs in Cancer Translational Research. , 2011, , .		5
810	Epigenetic Aspects of Chronic Diseases. , 2011, , .		3
811	MicroRNAs in body fluidsâ€”the mix of hormones and biomarkers. <i>Nature Reviews Clinical Oncology</i> , 2011, 8, 467-477.	27.6	1,290
813	Toward microRNA-mediated gene regulatory networks in plants. <i>Briefings in Bioinformatics</i> , 2011, 12, 645-659.	6.5	53
814	Detection and Quantification of MicroRNAs in Laser-Microdissected Formalin-Fixed Paraffin-Embedded Breast Cancer Tissues. <i>Methods in Molecular Biology</i> , 2011, 755, 119-142.	0.9	3
815	The Art of MicroRNA Research. <i>Circulation Research</i> , 2011, 108, 219-234.	4.5	482
816	Targeted Therapies. , 2011, , .		4

#	ARTICLE	IF	CITATIONS
818	RNAi and Cellular miRNAs in Infections by Mammalian Viruses. <i>Methods in Molecular Biology</i> , 2011, 721, 23-41.	0.9	56
819	miRNAs: roles and clinical applications in vascular disease. <i>Expert Review of Molecular Diagnostics</i> , 2011, 11, 79-89.	3.1	86
820	A resource of vectors and ES cells for targeted deletion of microRNAs in mice. <i>Nature Biotechnology</i> , 2011, 29, 840-845.	17.5	92
822	Role of microRNAs in cardiac hypertrophy, myocardial fibrosis and heart failure. <i>Acta Pharmaceutica Sinica B</i> , 2011, 1, 1-7.	12.0	28
823	Isolation and identification of novel microRNAs from <i>Marsupenaeus japonicus</i> . <i>Fish and Shellfish Immunology</i> , 2011, 31, 334-340.	3.6	52
824	Alteration of microRNA expression in the process of mouse brain growth. <i>Gene</i> , 2011, 485, 46-52.	2.2	32
825	From snoRNA to miRNA: Dual function regulatory non-coding RNAs. <i>Biochimie</i> , 2011, 93, 1987-1992.	2.6	207
826	MicroRNAs, cancer and cancer stem cells. <i>Cancer Letters</i> , 2011, 300, 10-19.	7.2	161
827	Genome-wide identification of micro-ribonucleic acids associated with human endometrial receptivity in natural and stimulated cycles by deep sequencing. <i>Fertility and Sterility</i> , 2011, 96, 150-155.e5.	1.0	97
828	MicroRNA regulation of core apoptosis pathways in cancer. <i>European Journal of Cancer</i> , 2011, 47, 163-174.	2.8	246
829	The oncogenic and tumour suppressive roles of microRNAs in cancer and apoptosis. <i>European Journal of Cancer</i> , 2011, 47, 1127-1137.	2.8	185
830	Regulation of cellular miRNA expression by human papillomaviruses. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 668-677.	1.9	175
831	MicroRNA-like antivirals. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 746-755.	1.9	8
832	EBV-encoded miRNAs. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 631-640.	1.9	106
833	miRNA cassettes in viral vectors: Problems and solutions. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 732-745.	1.9	77
834	Viral miRNAs exploiting the endosomalâ€“exosomal pathway for intercellular cross-talk and immune evasion. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 715-721.	1.9	108
835	Artificial microRNAs (amiRNAs) engineering â€“ On how microRNA-based silencing methods have affected current plant silencing research. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 315-319.	2.1	68
836	MicroRNA expression profiling in patients with lamin A/Câ€“associated muscular dystrophy. <i>FASEB Journal</i> , 2011, 25, 3966-3978.	0.5	42

#	ARTICLE	IF	CITATIONS
837	MicroRNAs in Plant Roots: Current Understanding and Future Perspectives. RNA Technologies, 2011, , 269-284.	0.3	1
839	Effects of Virus Infection on Transcriptional Activity of miR164a in Plants. , 2011, , 359-373.		0
840	Spatiotemporal Aspects of MicroRNA-Mediated Gene Regulation. Advances in Experimental Medicine and Biology, 2011, 722, 75-85.	1.6	7
841	The ATM Kinase Induces MicroRNA Biogenesis in the DNA Damage Response. Molecular Cell, 2011, 41, 371-383.	9.7	208
842	A Primate Herpesvirus Uses the Integrator Complex to Generate Viral MicroRNAs. Molecular Cell, 2011, 43, 982-992.	9.7	106
844	MicroRNA function and neurotrophin BDNF. Neurochemistry International, 2011, 59, 551-558.	3.8	52
845	Tiny non-coding RNAs in Parkinson's disease: Implications, expectations and hypes. Neurochemistry International, 2011, 59, 759-769.	3.8	7
846	miRNAs got rhythm. Life Sciences, 2011, 88, 373-383.	4.3	13
847	Positive regulation of hepatic miR-122 expression by HNF4 α . Journal of Hepatology, 2011, 55, 602-611.	3.7	124
848	Transcriptional regulation of mammalian miRNA genes. Genomics, 2011, 97, 1-6.	2.9	147
849	The full-length transcripts and promoter analysis of intergenic microRNAs in Drosophila melanogaster. Genomics, 2011, 97, 294-303.	2.9	21
850	Global analysis of gene-level microRNA expression in Arabidopsis using deep sequencing data. Genomics, 2011, 98, 40-46.	2.9	40
851	Transcriptional regulation of co-expressed microRNA target genes. Genomics, 2011, 98, 445-452.	2.9	43
852	Steroid receptors and microRNAs: Relationships revealed. Steroids, 2011, 76, 1-10.	1.8	48
853	MicroRNA-503 and the Extended MicroRNA-16 Family in Angiogenesis. Trends in Cardiovascular Medicine, 2011, 21, 162-166.	4.9	80
854	MicroRNAs: Potential biomarker in organ transplantation. Transplant Immunology, 2011, 24, 210-215.	1.2	37
855	Identification of microRNA precursors in Bruguiera spp.. Botanica Marina, 2011, 54, .	1.2	4
856	MicroRNA, epigenetic machinery and lung cancer. Thoracic Cancer, 2011, 2, 35-44.	1.9	14

#	ARTICLE	IF	CITATIONS
857	MicroRNA Epigenetics. BioDrugs, 2011, 25, 27-41.	4.6	23
858	<i>In vivo</i> Safety and Antitumor Efficacy of Bifunctional Small Hairpin RNAs Specific for the Human Stathmin 1 Oncoprotein. DNA and Cell Biology, 2011, 30, 715-726.	1.9	34
859	The role of blood flow and microRNAs in blood vessel development. International Journal of Developmental Biology, 2011, 55, 419-429.	0.6	21
860	Cloning and characterization of the 5 flanking region of microRNA let-7a-1/let-7f-1 gene cluster in human lung cancer cell. African Journal of Biotechnology, 2011, 10, 9233-9241.	0.6	2
861	Cancer, Senescence, and Aging: Translation from Basic Research to Clinics. Journal of Aging Research, 2011, 2011, 1-2.	0.9	1
862	MicroRNA-regulated transgene expression systems for gene therapy and virotherapy. Frontiers in Bioscience - Landmark, 2011, 16, 2389.	3.0	20
863	Roles of MicroRNA in DNA Damage and Repair. , 0, , .		1
864	Translational Research on Breast Cancer: miRNA, siRNA and Immunoconjugates in Conjugation with Nanotechnology for Clinical Studies. , 0, , .		0
865	DNA Variation in myoMIRs of the 1, 133, and 208 Families in Hypertrophic Cardiomyopathy. Neurology International, 2011, 1, e12.	0.5	0
866	Overview of the potential of microRNAs and their target gene detection for cassava (Manihot) Tj ETQq1 1 0.784314 rgBT /Overlock 107	0.6	13
867	Therapeutic implications of microRNAs in human cancer. Journal of Nucleic Acids Investigation, 2011, 2, 3.	0.8	3
868	The Role of miRNAs as Key Regulators in the Neoplastic Microenvironment. Molecular Biology International, 2011, 2011, 1-8.	1.7	31
869	dPORE-miRNA: Polymorphic Regulation of MicroRNA Genes. PLoS ONE, 2011, 6, e16657.	2.5	30
870	Identification and Functional Analysis of Epigenetically Silenced MicroRNAs in Colorectal Cancer Cells. PLoS ONE, 2011, 6, e20628.	2.5	53
871	Epigenetic Modulation of miR-122 Facilitates Human Embryonic Stem Cell Self-Renewal and Hepatocellular Carcinoma Proliferation. PLoS ONE, 2011, 6, e27740.	2.5	55
872	Therapeutic Advances in MicroRNA Targeting. Journal of Cardiovascular Pharmacology, 2011, 57, 1-7.	1.9	39
873	Emerging Role of MicroRNAs in Drug-Resistant Breast Cancer. Gene Expression, 2011, 15, 141-151.	1.2	36
874	MicroRNAs as Modulators of the Platelet Proteome. Current Proteomics, 2011, 8, 193-199.	0.3	4

#	ARTICLE	IF	CITATIONS
875	Roles of miRNAs in virus-mediated cellular transformation: lessons from human T-cell leukemia virus type 1. <i>Future Virology</i> , 2011, 6, 1351-1360.	1.8	0
876	Control of HBV replication by antiviral microRNAs transferred by lentiviral vectors for potential cell and gene therapy approaches. <i>Antiviral Therapy</i> , 2011, 17, 519-528.	1.0	13
877	Relationship between altered expression levels of MIR21, MIR143, MIR145, and MIR205 and clinicopathologic features of esophageal squamous cell carcinoma. <i>Ecological Management and Restoration</i> , 2011, 24, 523-530.	0.4	48
878	Genome-wide mapping of the <i>HY5</i> -mediated gene networks in Arabidopsis that involve both transcriptional and post-transcriptional regulation. <i>Plant Journal</i> , 2011, 65, 346-358.	5.7	274
879	microRNA regulation in megakaryocytopoiesis. <i>British Journal of Haematology</i> , 2011, 155, 298-307.	2.5	15
880	Lipopolysaccharide-induced miR-1224 negatively regulates tumour necrosis factor gene expression by modulating Sp1. <i>Immunology</i> , 2011, 133, 8-20.	4.4	64
881	microRNA complements in deuterostomes: origin and evolution of microRNAs. <i>Evolution & Development</i> , 2011, 13, 15-27.	2.0	113
882	Small RNA sorting: matchmaking for Argonautes. <i>Nature Reviews Genetics</i> , 2011, 12, 19-31.	16.3	617
883	Evolution of microRNA diversity and regulation in animals. <i>Nature Reviews Genetics</i> , 2011, 12, 846-860.	16.3	645
884	MicroRNAs: the fine-tuners of Toll-like receptor signalling. <i>Nature Reviews Immunology</i> , 2011, 11, 163-175.	22.7	800
885	Genomic analysis of silkworm microRNA promoters and clusters. <i>Molecular Biology</i> , 2011, 45, 197-203.	1.3	4
886	Phospho-Np63 is a key regulator of the cisplatin-induced microRNAome in cancer cells. <i>Cell Death and Differentiation</i> , 2011, 18, 1220-1230.	11.2	93
887	Epigenetic regulatory mechanisms during preimplantation embryo development. <i>Annals of the New York Academy of Sciences</i> , 2011, 1221, 54-60.	3.8	15
888	miRNA response to DNA damage. <i>Trends in Biochemical Sciences</i> , 2011, 36, 478-484.	7.5	154
889	MicroRegulators come of age in senescence. <i>Trends in Genetics</i> , 2011, 27, 233-241.	6.7	102
890	Extracellular microRNA: A new source of biomarkers. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 717, 85-90.	1.0	542
891	Non-targeted radiation effects—An epigenetic connection. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 714, 113-125.	1.0	94
892	Optimization of a microRNA expression vector for function analysis of microRNA. <i>Journal of Controlled Release</i> , 2011, 150, 94-101.	9.9	8

#	ARTICLE	IF	CITATIONS
893	RNA interference in Lepidoptera: An overview of successful and unsuccessful studies and implications for experimental design. <i>Journal of Insect Physiology</i> , 2011, 57, 231-245.	2.0	729
894	Pluripotent stem cell differentiation into vascular cells: A novel technology with promises for vascular re(generation). , 2011, 129, 29-49.		95
895	Airway remodeling in asthma: New mechanisms and potential for pharmacological intervention. , 2011, 130, 325-337.		114
896	Shielding the messenger (RNA): microRNA-based anticancer therapies. , 2011, 131, 18-32.		52
897	Breast cancer and microRNAs: therapeutic impact. <i>Breast</i> , 2011, 20, S63-S70.	2.2	87
898	MicroRNAs and Cancer: Introduction. <i>Seminars in Oncology</i> , 2011, 38, 721-723.	2.2	20
899	microRNAs as peripheral blood biomarkers of cardiovascular disease. <i>Vascular Pharmacology</i> , 2011, 55, 111-118.	2.1	65
900	MicroRNAs in chronic lymphocytic leukemia. <i>Experimental and Molecular Pathology</i> , 2011, 90, 173-178.	2.1	15
901	MicroRNA-221 controls expression of intercellular adhesion molecule-1 in epithelial cells in response to <i>Cryptosporidium parvum</i> infection. <i>International Journal for Parasitology</i> , 2011, 41, 397-403.	3.1	43
902	Kinetic Analysis Reveals the Fate of a MicroRNA following Target Regulation in Mammalian Cells. <i>Current Biology</i> , 2011, 21, 369-376.	3.9	206
903	Novel advances in cytochrome P450 research. <i>Drug Discovery Today</i> , 2011, 16, 793-799.	6.4	65
904	Dysregulation of microRNAs in cancer: Playing with fire. <i>FEBS Letters</i> , 2011, 585, 2087-2099.	2.8	264
905	MicroRNA-29a regulates pro-inflammatory cytokine secretion and scavenger receptor expression by targeting LPL in oxLDL-stimulated dendritic cells. <i>FEBS Letters</i> , 2011, 585, 657-663.	2.8	73
906	Manipulations of MicroRNA in Human Pluripotent Stem Cells and Their Derivatives. <i>Methods in Molecular Biology</i> , 2011, 690, 107-120.	0.9	1
907	Diverse Small Non-coding RNAs in RNA Interference Pathways. <i>Methods in Molecular Biology</i> , 2011, 764, 169-182.	0.9	56
908	Radiation-induced genomic instability: Are epigenetic mechanisms the missing link?. <i>International Journal of Radiation Biology</i> , 2011, 87, 179-191.	1.8	76
909	Role of primary miRNA polymorphic variants in metastatic colon cancer patients treated with 5-fluorouracil and irinotecan. <i>Pharmacogenomics Journal</i> , 2011, 11, 429-436.	2.0	98
910	MicroRNA regulation of innate immune responses in epithelial cells. <i>Cellular and Molecular Immunology</i> , 2011, 8, 371-379.	10.5	108

#	ARTICLE	IF	CITATIONS
911	The huge world of small RNAs: Regulating networks of microRNAs (Review). <i>Acta Physiologica Hungarica</i> , 2011, 98, 243-251.	0.9	17
912	RNA interference therapy via functionalized scaffolds. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 197-208.	13.7	76
913	RNA diagnostics: real-time RT-PCR strategies and promising novel target RNAs. <i>Wiley Interdisciplinary Reviews RNA</i> , 2011, 2, 32-41.	6.4	26
914	MicroRNA Involvement in Immune Activation During Heart Failure. <i>Cardiovascular Drugs and Therapy</i> , 2011, 25, 161-170.	2.6	31
915	MicroRNAs and Cancer Therapeutics. <i>Pharmaceutical Research</i> , 2011, 28, 3043-3049.	3.5	25
916	Antiviral RNAi: Translating Science Towards Therapeutic Success. <i>Pharmaceutical Research</i> , 2011, 28, 2966-2982.	3.5	18
917	Subcellular Fate and Off-Target Effects of siRNA, shRNA, and miRNA. <i>Pharmaceutical Research</i> , 2011, 28, 2996-3015.	3.5	169
918	Identification of the transcriptional promoters in the proximal regions of human microRNA genes. <i>Molecular Biology Reports</i> , 2011, 38, 4153-4157.	2.3	16
919	Invited review: decoding the microRNA response to hypoxia. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 461, 307-315.	2.8	75
920	Molecular imaging of microRNAs. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1572-1579.	6.4	47
921	The role of the precursor structure in the biogenesis of microRNA. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 2859-2871.	5.4	130
922	MicroRNA: implications in HIV, a brief overview. <i>Journal of NeuroVirology</i> , 2011, 17, 416-423.	2.1	14
923	The regulatory epicenter of miRNAs. <i>Journal of Biosciences</i> , 2011, 36, 621-638.	1.1	19
924	MicroRNA-mediated drug resistance in breast cancer. <i>Clinical Epigenetics</i> , 2011, 2, 171-185.	4.1	156
925	MicroRNAs in autoimmune disease. <i>Autoimmunity Highlights</i> , 2011, 2, 59-65.	3.9	7
926	MicroRNAs and drug modulation in cancer: an intertwined new story. <i>Frontiers in Biology</i> , 2011, 6, 351-356.	0.7	1
927	The molecular characterization and function of miRNAs on mediation of target gene silencing in plants. <i>Frontiers of Agriculture in China</i> , 2011, 5, 162-172.	0.2	0
928	Identification of novel maize miRNAs by measuring the precision of precursor processing. <i>BMC Plant Biology</i> , 2011, 11, 141.	3.6	39

#	ARTICLE	IF	CITATIONS
929	Construction of permanently inducible miRNA-based expression vectors using site-specific recombinases. <i>BMC Biotechnology</i> , 2011, 11, 107.	3.3	4
930	MicroRNAs in rhabdomyosarcoma: pathogenetic implications and translational potentiality. <i>Molecular Cancer</i> , 2011, 10, 120.	19.2	49
931	Network analysis of microRNAs and their regulation in human ovarian cancer. <i>BMC Systems Biology</i> , 2011, 5, 183.	3.0	21
932	Regulation of microRNA expression and function by nuclear receptor signaling. <i>Cell and Bioscience</i> , 2011, 1, 31.	4.8	101
933	Histone modification profiles are predictive for tissue/cell-type specific expression of both protein-coding and microRNA genes. <i>BMC Bioinformatics</i> , 2011, 12, 155.	2.6	36
934	Genomic features and computational identification of human microRNAs under long-range developmental regulation. <i>BMC Genomics</i> , 2011, 12, 270.	2.8	6
935	Chromatin structure characteristics of pre-miRNA genomic sequences. <i>BMC Genomics</i> , 2011, 12, 329.	2.8	13
936	MicroRNA genes preferentially expressed in dendritic cells contain sites for conserved transcription factor binding motifs in their promoters. <i>BMC Genomics</i> , 2011, 12, 330.	2.8	26
937	Characterization of the small RNA component of the transcriptome from grain and sweet sorghum stems. <i>BMC Genomics</i> , 2011, 12, 356.	2.8	52
938	Evidence for post-transcriptional regulation of clustered microRNAs in <i>Drosophila</i> . <i>BMC Genomics</i> , 2011, 12, 371.	2.8	54
939	Countering hepatitis B virus infection using RNAi: how far are we from the clinic?. <i>Reviews in Medical Virology</i> , 2011, 21, 383-396.	8.3	25
940	MicroRNAs in cardiomyocyte development. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2011, 3, 183-190.	6.6	84
941	MicroRNAs and their role in gynecological tumors. <i>Medicinal Research Reviews</i> , 2011, 31, 895-923.	10.5	23
942	Rapidly induced gene networks following induction of long-term potentiation at perforant path synapses in vivo. <i>Hippocampus</i> , 2011, 21, 541-553.	1.9	37
943	Many routes to a micro RNA. <i>IUBMB Life</i> , 2011, 63, 972-978.	3.4	17
944	Expression patterns of placental microRNAs. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2011, 91, 737-743.	1.6	76
945	MicroRNA gene expression signatures in the developing neural tube. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2011, 91, 744-762.	1.6	33
946	The search for evolutionary developmental origins of aging in zebrafish: A novel intersection of developmental and senescence biology in the zebrafish model system. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2011, 93, 229-248.	3.6	17

#	ARTICLE	IF	CITATIONS
947	Are the Ro RNP-associated Y RNAs concealing microRNAs? Y RNA-derived miRNAs may be involved in autoimmunity. <i>BioEssays</i> , 2011, 33, 674-682.	2.5	45
948	MicroRNAs as participants in cytotoxicity of CdTe quantum dots in NIH/3T3 cells. <i>Biomaterials</i> , 2011, 32, 3807-3814.	11.4	54
949	Argonaute proteins regulate microRNA stability: Increased microRNA abundance by Argonaute proteins is due to microRNA stabilization. <i>RNA Biology</i> , 2011, 8, 1149-1157.	3.1	183
950	An Overview of Computational Approaches for Prediction of miRNA Genes and their Targets. <i>Current Bioinformatics</i> , 2011, 6, 129-143.	1.5	8
951	Posttranscriptional regulation of miRNAs in the DNA damage response. <i>RNA Biology</i> , 2011, 8, 960-963.	3.1	17
952	Discerning Different In vivo Roles of MicroRNAs by Experimental Approaches in Zebrafish. <i>Methods in Cell Biology</i> , 2011, 104, 353-378.	1.1	4
953	Potential clinical insights into microRNAs and their target genes in esophageal carcinoma. <i>Biomarkers</i> , 2011, 16, 629-636.	1.9	6
954	Distribution pattern of small RNA and degradome reads provides information on miRNA gene structure and regulation. <i>Plant Signaling and Behavior</i> , 2011, 6, 1609-1611.	2.4	39
955	Establishment and characterization of Prnp knockdown neuroblastoma cells using dual microRNA-mediated RNA interference. <i>Prion</i> , 2011, 5, 93-102.	1.8	12
956	MicroRNAs are key regulators controlling iNKT and regulatory T-cell development and function. <i>Cellular and Molecular Immunology</i> , 2011, 8, 380-387.	10.5	30
957	cis- and trans-Regulation of miR163 and Target Genes Confers Natural Variation of Secondary Metabolites in Two Arabidopsis Species and Their Allopolyploids. <i>Plant Cell</i> , 2011, 23, 1729-1740.	6.6	121
958	Observation of miRNA Gene Expression in Zebrafish Embryos by In Situ Hybridization to MicroRNA Primary Transcripts. <i>Zebrafish</i> , 2011, 8, 1-8.	1.1	37
959	Biogenesis and Regulation of Cardiovascular MicroRNAs. <i>Circulation Research</i> , 2011, 109, 334-347.	4.5	146
960	Rabies Virus Infection and MicroRNAs. <i>Advances in Virus Research</i> , 2011, 79, 329-344.	2.1	8
961	Discovery of Porcine microRNAs in Multiple Tissues by a Solexa Deep Sequencing Approach. <i>PLoS ONE</i> , 2011, 6, e16235.	2.5	68
962	The Long Arm of Long Noncoding RNAs: Roles as Sensors Regulating Gene Transcriptional Programs. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a003756-a003756.	5.5	144
963	MiR-29a Inhibits Cell Proliferation and Induces Cell Cycle Arrest through the Downregulation of p42.3 in Human Gastric Cancer. <i>PLoS ONE</i> , 2011, 6, e25872.	2.5	88
964	Improved annotation of C. elegans microRNAs by deep sequencing reveals structures associated with processing by Droscha and Dicer. <i>Rna</i> , 2011, 17, 563-577.	3.5	47

#	ARTICLE	IF	CITATIONS
965	Higher miRNA Tolerance in Immortal Li-Fraumeni Fibroblasts with Abrogated Interferon Signaling Pathway. <i>Cancer Research</i> , 2011, 71, 255-265.	0.9	2
966	The Anaphase-Promoting Complex Is a Dual Integrator That Regulates Both MicroRNA-Mediated Transcriptional Regulation of Cyclin B1 and Degradation of Cyclin B1 during Arabidopsis Male Gametophyte Development. <i>Plant Cell</i> , 2011, 23, 1033-1046.	6.6	81
967	Human Papillomavirus 16 E5 Modulates the Expression of Host MicroRNAs. <i>PLoS ONE</i> , 2011, 6, e21646.	2.5	82
968	MicroRNA hsa-miR-613 Targets the Human LXR β Gene and Mediates a Feedback Loop of LXR β Autoregulation. <i>Molecular Endocrinology</i> , 2011, 25, 584-596.	3.7	78
969	MicroRNAs and Multiple Sclerosis. <i>Autoimmune Diseases</i> , 2011, 2011, 1-27.	0.6	53
970	MicroRNA-146: Tiny Player in Neonatal Innate Immunity?. <i>Neonatology</i> , 2011, 99, 51-56.	2.0	48
971	Chromatoid body and small RNAs in male germ cells. <i>Reproduction</i> , 2011, 142, 195-209.	2.6	141
972	lnc-miRs TM : functional intron-interrupted miRNA genes. <i>Genes and Development</i> , 2011, 25, 1589-1594.	5.9	8
973	Tissue-specific regulation of mouse MicroRNA genes in endoderm-derived tissues. <i>Nucleic Acids Research</i> , 2011, 39, 454-463.	14.5	51
974	Uracils at nucleotide position 9-11 are required for the rapid turnover of miR-29 family. <i>Nucleic Acids Research</i> , 2011, 39, 4387-4395.	14.5	41
975	Identifying transcriptional start sites of human microRNAs based on high-throughput sequencing data. <i>Nucleic Acids Research</i> , 2011, 39, 9345-9356.	14.5	149
976	Disease Modeling by Gene Targeting Using MicroRNAs. <i>Methods in Cell Biology</i> , 2011, 105, 419-436.	1.1	6
977	MicroRNAs Regulate Key Effector Pathways of Senescence. <i>Journal of Aging Research</i> , 2011, 2011, 1-11.	0.9	27
978	PmiRKB: a plant microRNA knowledge base. <i>Nucleic Acids Research</i> , 2011, 39, D181-D187.	14.5	43
981	Methyl-CpG binding protein MBD2 is implicated in methylation-mediated suppression of miR-373 in hilar cholangiocarcinoma. <i>Oncology Reports</i> , 2011, 25, 443-51.	2.6	26
982	Smad-mediated miRNA processing. <i>RNA Biology</i> , 2011, 8, 71-76.	3.1	32
983	Stars and Symbiosis: MicroRNA- and MicroRNA*-Mediated Transcript Cleavage Involved in Arbuscular Mycorrhizal Symbiosis. <i>Plant Physiology</i> , 2011, 156, 1990-2010.	4.8	235
984	Downregulation of Dicer, a component of the microRNA machinery, in bladder cancer. <i>Molecular Medicine Reports</i> , 2011, 5, 695-9.	2.4	24

#	ARTICLE	IF	CITATIONS
985	Translational Suppression of Atrophic Regulators by MicroRNA-23a Integrates Resistance to Skeletal Muscle Atrophy. <i>Journal of Biological Chemistry</i> , 2011, 286, 38456-38465.	3.4	165
986	<i>cis</i>-Acting Effects on RNA Processing and Drosha Cleavage Prevent Epstein-Barr Virus Latency III BHRF1 Expression. <i>Journal of Virology</i> , 2011, 85, 8929-8939.	3.4	18
987	The inducible deletion of Drosha and microRNAs in mature podocytes results in a collapsing glomerulopathy. <i>Kidney International</i> , 2011, 80, 719-730.	5.2	105
988	Micro-RNAs in Hematologic Malignancies. , 2011, , 325-340.		0
989	SplamiRâ€”prediction of spliced miRNAs in plants. <i>Bioinformatics</i> , 2011, 27, 1215-1223.	4.1	15
990	Construction of MicroRNA- and MicroRNA*-mediated regulatory networks in plants. <i>RNA Biology</i> , 2011, 8, 1124-1148.	3.1	32
991	MicroRNA-based silencing of Delta/Notch signaling promotes multiple cilia formation. <i>Cell Cycle</i> , 2011, 10, 2858-2864.	2.6	41
992	Identification and analysis of seven H2O2-responsive miRNAs and 32 new miRNAs in the seedlings of rice (<i>Oryza sativa</i> L. ssp. indica). <i>Nucleic Acids Research</i> , 2011, 39, 2821-2833.	14.5	218
993	Regulation of skeletal muscle stem cells through epigenetic mechanisms. <i>Toxicology Mechanisms and Methods</i> , 2011, 21, 334-342.	2.7	16
994	The Role of Dicer in DNA Damage Repair. <i>International Journal of Molecular Sciences</i> , 2012, 13, 16769-16778.	4.1	17
995	An Artificial miRNA against HPSE Suppresses Melanoma Invasion Properties, Correlating with a Down-Regulation of Chemokines and MAPK Phosphorylation. <i>PLoS ONE</i> , 2012, 7, e38659.	2.5	44
996	Increased expression of miR-325-3p by urocortin 2 and its involvement in stress-induced suppression of LH secretion in rat pituitary. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E781-E787.	3.5	40
997	Diverse Roles of Macrophages in Atherosclerosis: From Inflammatory Biology to Biomarker Discovery. <i>Mediators of Inflammation</i> , 2012, 2012, 1-14.	3.0	152
998	Oestrogen-dependent regulation of miRNA biogenesis: many ways to skin the cat. <i>Biochemical Society Transactions</i> , 2012, 40, 752-758.	3.4	28
999	Epigenetic Deregulation of MicroRNAs in Rhabdomyosarcoma and Neuroblastoma and Translational Perspectives. <i>International Journal of Molecular Sciences</i> , 2012, 13, 16554-16579.	4.1	11
1000	MetastamiRs: Non-Coding MicroRNAs Driving Cancer Invasion and Metastasis. <i>International Journal of Molecular Sciences</i> , 2012, 13, 1347-1379.	4.1	53
1001	Circulating MicroRNAs as Biomarkers in Health and Disease. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2012, 6, 1791-5.	0.8	39
1002	Identification and Characterization of MicroRNAs in<i>Macaca fascicularis</i> by EST Analysis. <i>Comparative and Functional Genomics</i> , 2012, 2012, 1-9.	2.0	7

#	ARTICLE	IF	CITATIONS
1003	Dicing Bodies. Plant Physiology, 2012, 158, 61-66.	4.8	24
1004	Cause or Effect: Misregulation of microRNA Pathways in Neurodegeneration. Frontiers in Neuroscience, 2012, 6, 48.	2.8	78
1005	A fast ab-initio method for predicting miRNA precursors in genomes. Nucleic Acids Research, 2012, 40, e80-e80.	14.5	50
1006	An integrative genomic approach identifies p73 and p63 as activators of miR-200 microRNA family transcription. Nucleic Acids Research, 2012, 40, 499-510.	14.5	67
1007	The MicroRNA-17-92 Family of MicroRNA Clusters in Development and Disease. Cancer Journal (Sudbury,) Tj ETQq0.0.0 rgBT /Overlock 1	2.0	242
1008	Causes and Consequences of MicroRNA Dysregulation. Cancer Journal (Sudbury, Mass), 2012, 18, 215-222.	2.0	260
1009	MicroRNA involvement in lupus. Current Opinion in Rheumatology, 2012, 24, 489-498.	4.3	30
1010	Androgen-regulated processing of the oncomir MiR-27a, which targets Prohibitin in prostate cancer. Human Molecular Genetics, 2012, 21, 3112-3127.	2.9	127
1011	Regulation of microRNA-375 by cAMP in Pancreatic Î²-Cells. Molecular Endocrinology, 2012, 26, 989-999.	3.7	55
1012	The Helicase and RNaseIIIa Domains of Arabidopsis Dicer-Like1 Modulate Catalytic Parameters during MicroRNA Biogenesis Å Å Å. Plant Physiology, 2012, 159, 748-758.	4.8	76
1013	Uncovering Small RNA-Mediated Responses to Cold Stress in a Wheat Thermosensitive Genic Male-Sterile Line by Deep Sequencing Å Å. Plant Physiology, 2012, 159, 721-738.	4.8	166
1014	MicroRNAs in Neural Stem Cells and Neurogenesis. Frontiers in Neuroscience, 2012, 6, 30.	2.8	106
1015	Celastrol decreases specificity proteins (Sp) and fibroblast growth factor receptor-3 (FGFR3) in bladder cancer cells. Carcinogenesis, 2012, 33, 886-894.	2.8	57
1016	RNA decoys. Plant Signaling and Behavior, 2012, 7, 1188-1193.	2.4	33
1017	L-Sox5 and Sox6 Proteins Enhance Chondrogenic miR-140 MicroRNA Expression by Strengthening Dimeric Sox9 Activity. Journal of Biological Chemistry, 2012, 287, 22206-22215.	3.4	79
1018	Developmental Epigenetics of the Murine Secondary Palate. ILAR Journal, 2012, 53, 240-252.	1.8	30
1019	Cancer Regulator MicroRNA: Potential Relevance in Diagnosis, Prognosis and Treatment of Cancer. Current Medicinal Chemistry, 2012, 19, 461-474.	2.4	42
1020	Roles of miRNA in the Initiation and Development of Colorectal Carcinoma. Current Pharmaceutical Design, 2012, 19, 1253-1261.	1.9	23

#	ARTICLE	IF	CITATIONS
1021	Plants vs. Cancer: A Review on Natural Phytochemicals in Preventing and Treating Cancers and Their Druggability. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2012, 12, 1281-1305.	1.7	414
1022	From transcription to translation: new insights in the structure and function of Argonaute protein. <i>Biomolecular Concepts</i> , 2012, 3, 545-559.	2.2	1
1023	Role of variations within microRNA-binding sites in cancer. <i>Mutagenesis</i> , 2012, 27, 205-210.	2.6	44
1025	Circulating miRNA profiling to identify biomarkers of dysmetabolism. <i>Biomarkers in Medicine</i> , 2012, 6, 729-742.	1.4	13
1026	MicroRNAs in the Pineal Gland. <i>Journal of Biological Chemistry</i> , 2012, 287, 25312-25324.	3.4	71
1027	cAMP response element-binding protein promotes gliomagenesis by modulating the expression of oncogenic microRNA-23a. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15805-15810.	7.1	106
1028	MicroRNAs: Potentially important regulators for schistosome development and therapeutic targets against schistosomiasis. <i>Parasitology</i> , 2012, 139, 669-679.	1.5	27
1030	Post-transcriptional control of miRNA abundance in Arabidopsis. <i>Plant Signaling and Behavior</i> , 2012, 7, 1443-1446.	2.4	11
1031	On the Immense Variety and Complexity of Circumstances Conditioning Pancreatic β -Cell Apoptosis in Type 1 Diabetes. <i>Diabetes</i> , 2012, 61, 1661-1663.	0.6	21
1032	A microRNA Link to Glioblastoma Heterogeneity. <i>Cancers</i> , 2012, 4, 846-872.	3.7	15
1033	MicroRNAs as newer therapeutic targets: A big hope from a tiny player. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2012, 3, 217.	0.4	30
1034	Transcriptional Mechanisms Controlling miR-375 Gene Expression in the Pancreas. <i>Experimental Diabetes Research</i> , 2012, 2012, 1-5.	3.8	16
1035	PPARs in Liver Diseases and Cancer: Epigenetic Regulation by MicroRNAs. <i>PPAR Research</i> , 2012, 2012, 1-16.	2.4	53
1036	Sjögren's Syndrome. , 2012, , .		9
1037	Differential Regulation of the Let-7 Family of MicroRNAs in CD4+ T Cells Alters IL-10 Expression. <i>Journal of Immunology</i> , 2012, 188, 6238-6246.	0.8	152
1038	Contributions of mRNA abundance, ribosome loading, and post- or peri-translational effects to temporal repression of <i>C. elegans</i> heterochronic miRNA targets. <i>Genome Research</i> , 2012, 22, 2418-2426.	5.5	56
1039	The Therapeutic Potential of RNA Interference: Novel Approaches for Cancer Treatment. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 2235-2247.	1.6	6
1040	Probing Evolutionary Biography of MicroRNAs and Associated Factors. <i>Current Genomics</i> , 2012, 13, 144-152.	1.6	7

#	ARTICLE	IF	CITATIONS
1041	The role of microRNAs in liver cancer. European Journal of Gastroenterology and Hepatology, 2012, 24, 223-228.	1.6	31
1042	The role of microRNAs in HIV-1 pathogenesis and therapy. Aids, 2012, 26, 1325-1334.	2.2	34
1043	MicroRNAs in inflammatory bowel disease - pathogenesis, diagnostics and therapeutics. World Journal of Gastroenterology, 2012, 18, 4629.	3.3	88
1045	Histone deacetylase 1 enhances microRNA processing via deacetylation of DGCR8. EMBO Reports, 2012, 13, 142-149.	4.5	71
1046	Current strategies for microRNA research. Modern Rheumatology, 2012, 22, 645-653.	1.8	12
1047	The RNase III enzyme Dicer is essential for germinal center B-cell formation. Blood, 2012, 119, 767-776.	1.4	85
1048	A New Level of Complexity. Circulation Research, 2012, 110, 1000-1013.	4.5	95
1049	MicroRNA and cancer. Molecular Oncology, 2012, 6, 590-610.	4.6	963
1050	Sulindac inhibits tumor cell invasion by suppressing NF- κ B-mediated transcription of microRNAs. Oncogene, 2012, 31, 4979-4986.	5.9	68
1051	Emerging roles of non-coding \langle sc \rangle RNAs \rangle in pancreatic β -cell function and dysfunction. Diabetes, Obesity and Metabolism, 2012, 14, 12-21.	4.4	80
1052	Regulation of ER Stress Responses by microRNAs. , 2012, , 143-161.		3
1053	Deep sequencing of small RNAs in plants: applied bioinformatics. Briefings in Functional Genomics, 2012, 11, 71-85.	2.7	13
1054	Circulating and Urinary microRNAs in Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2012, 7, 1528-1533.	4.5	83
1055	Role of microRNAs in the regulation of drug metabolizing and transporting genes and the response to environmental toxicants. Expert Opinion on Drug Metabolism and Toxicology, 2012, 8, 597-606.	3.3	28
1056	Micro-RNAs (miRNAs): genomic organisation, biogenesis and mode of action. Cell and Tissue Research, 2012, 349, 405-413.	2.9	113
1057	Embryonic stem cell miRNAs and their roles in development and disease. Seminars in Cancer Biology, 2012, 22, 428-436.	9.6	26
1058	Loss of plakoglobin promotes decreased cell-cell contact, increased invasion, and breast cancer cell dissemination in vivo. Breast Cancer Research, 2012, 14, R86.	5.0	46
1059	MicroRNAs in Metal Stress: Specific Roles or Secondary Responses?. International Journal of Molecular Sciences, 2012, 13, 15826-15847.	4.1	90

#	ARTICLE	IF	CITATIONS
1060	Expression of MicroRNA machinery proteins in different types of chronic rhinosinusitis. <i>Laryngoscope</i> , 2012, 122, 2621-2627.	2.0	18
1061	Characterization and importance of microRNAs in mammalian gonadal functions. <i>Cell and Tissue Research</i> , 2012, 349, 679-690.	2.9	117
1062	MetaMirClust: Discovery of miRNA cluster patterns using a data-mining approach. <i>Genomics</i> , 2012, 100, 141-148.	2.9	40
1063	Aberrant microRNA expression and its implications in the pathogenesis of leukemias. <i>Cellular Oncology (Dordrecht)</i> , 2012, 35, 317-334.	4.4	63
1064	Insights into the potential use of microRNAs as biomarker in cancer. <i>International Journal of Surgery</i> , 2012, 10, 443-449.	2.7	34
1065	MicroRNA profiling methods applied to recent studies of fetal mouse submandibular gland development. <i>Journal of Oral Biosciences</i> , 2012, 54, 169-172.	2.2	2
1066	1,25-Dihydroxyvitamin D3 Suppresses Telomerase Expression and Human Cancer Growth through MicroRNA-498. <i>Journal of Biological Chemistry</i> , 2012, 287, 41297-41309.	3.4	112
1067	MECHANISMS IN ENDOCRINOLOGY: Micro-RNAs: targets for enhancing osteoblast differentiation and bone formation. <i>European Journal of Endocrinology</i> , 2012, 166, 359-371.	3.7	125
1068	Novel regulatory mechanisms in inflammatory arthritis: a role for microRNA. <i>Immunology and Cell Biology</i> , 2012, 90, 288-292.	2.3	46
1069	MiRANN: A reliable approach for improved classification of precursor microRNA using Artificial Neural Network model. <i>Genomics</i> , 2012, 99, 189-194.	2.9	34
1070	Downregulation of microRNA-126 in endothelial progenitor cells from diabetes patients, impairs their functional properties, via target gene Spred-1. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 64-72.	1.9	222
1071	Long noncoding RNA: unveiling hidden layer of gene regulatory networks. <i>Trends in Plant Science</i> , 2012, 17, 16-21.	8.8	318
1072	Small RNAs as Potential Platelet Therapeutics. <i>Handbook of Experimental Pharmacology</i> , 2012, , 435-445.	1.8	7
1073	MicroRNAs and their diverse functions in plants. <i>Plant Molecular Biology</i> , 2012, 80, 17-36.	3.9	272
1074	Dynamic regulation of microRNA expression following Interferon- β -induced gene transcription. <i>RNA Biology</i> , 2012, 9, 978-989.	3.1	40
1075	MicroRNAs in autophagy and their emerging roles in crosstalk with apoptosis. <i>Autophagy</i> , 2012, 8, 873-882.	9.1	128
1076	Dynamic MicroRNA Gene Transcription and Processing during T Cell Development. <i>Journal of Immunology</i> , 2012, 188, 3257-3267.	0.8	80
1077	MicroRNA-155 Is Required for <i>Mycobacterium bovis</i> BCG-Mediated Apoptosis of Macrophages. <i>Molecular and Cellular Biology</i> , 2012, 32, 2239-2253.	2.3	126

#	ARTICLE	IF	CITATIONS
1078	Decoding the non-coding RNAs in Alzheimer's disease. Cellular and Molecular Life Sciences, 2012, 69, 3543-3559.	5.4	60
1079	Landes Highlights. RNA Biology, 2012, 9, 939-940.	3.1	0
1080	MicroRNA 15a, Inversely Correlated to PKC δ , Is a Potential Marker to Differentiate between Benign and Malignant Renal Tumors in Biopsy and Urine Samples. American Journal of Pathology, 2012, 180, 1787-1797.	3.8	106
1081	Increased Expression of P-Glycoprotein and Doxorubicin Chemoresistance of Metastatic Breast Cancer Is Regulated by miR-298. American Journal of Pathology, 2012, 180, 2490-2503.	3.8	236
1082	MicroRNAs in inner ear biology and pathogenesis. Hearing Research, 2012, 287, 6-14.	2.0	26
1083	Role of miRNAs and siRNAs in biotic and abiotic stress responses of plants. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 137-148.	1.9	889
1084	Identification of methylation-dependent regulatory elements for intergenic miRNAs in human H4 cells. Biochemical and Biophysical Research Communications, 2012, 420, 391-396.	2.1	2
1085	MicroRNA-146a modulates TGF-beta1-induced hepatic stellate cell proliferation by targeting SMAD4. Cellular Signalling, 2012, 24, 1923-1930.	3.6	143
1086	Isolation and characterization of cDNAs encoding Ars2 and Pasha homologues, two components of the RNA interference pathway in Litopenaeus vannamei. Fish and Shellfish Immunology, 2012, 32, 373-380.	3.6	25
1087	Association study of microRNA polymorphisms with risk of idiopathic recurrent spontaneous abortion in Korean women. Gene, 2012, 494, 168-173.	2.2	72
1088	Deep sequencing analysis of small non-coding RNAs reveals the diversity of microRNAs and piRNAs in the human epididymis. Gene, 2012, 497, 330-335.	2.2	47
1089	Association study of microRNA polymorphisms with hepatocellular carcinoma in Korean population. Gene, 2012, 504, 92-97.	2.2	105
1090	Effects of polymorphisms in the porcine microRNA miR-1 locus on muscle fiber type composition and miR-1 expression. Gene, 2012, 506, 211-216.	2.2	18
1091	Human Liver Stem Cell-Derived Microvesicles Inhibit Hepatoma Growth in SCID Mice by Delivering Antitumor MicroRNAs. Stem Cells, 2012, 30, 1985-1998.	3.2	170
1092	Roles of microRNAs in atherosclerosis and restenosis. Journal of Biomedical Science, 2012, 19, 79.	7.0	66
1093	ncRNAclassifier: a tool for detection and classification of transposable element sequences in RNA hairpins. BMC Bioinformatics, 2012, 13, 246.	2.6	25
1094	Target mimics: an embedded layer of microRNA-involved gene regulatory networks in plants. BMC Genomics, 2012, 13, 197.	2.8	76
1095	An emerging role for microRNAs in NF1 tumorigenesis. Human Genomics, 2012, 6, 23.	2.9	16

#	ARTICLE	IF	CITATIONS
1096	Efficient inhibition of HIV-1 replication by an artificial polycistronic miRNA construct. <i>Virology Journal</i> , 2012, 9, 118.	3.4	21
1097	A comparative study of small RNAs in <i>Toxoplasma gondii</i> of distinct genotypes. <i>Parasites and Vectors</i> , 2012, 5, 186.	2.5	40
1098	MicroRNAs in B cell development and malignancy. <i>Journal of Hematology and Oncology</i> , 2012, 5, 7.	17.0	69
1099	Regulation of microRNA biogenesis and function. <i>Thrombosis and Haemostasis</i> , 2012, 107, 605-610.	3.4	171
1100	Analysis of miR-376 cluster members in the mouse inner ear. <i>International Journal of Experimental Pathology</i> , 2012, 93, 450-457.	1.3	14
1101	MicroRNA in Oncogenesis. , 2012, , 89-110.		0
1102	Exploiting <i>Drosophila</i> Genetics to Understand MicroRNA Function and Regulation. <i>Current Topics in Developmental Biology</i> , 2012, 99, 201-235.	2.2	20
1103	Methods for Identifying Small RNA Genes. <i>Advances in Insect Physiology</i> , 2012, , 155-194.	2.7	0
1104	Estrogen and retinoic acid antagonistically regulate several microRNA genes to control aerobic glycolysis in breast cancer cells. <i>Molecular BioSystems</i> , 2012, 8, 3242.	2.9	40
1105	MCP-1-induced protein-1, an immune regulator. <i>Protein and Cell</i> , 2012, 3, 903-910.	11.0	26
1106	Biogenesis of Mammalian miRNA. , 2012, , 15-27.		2
1107	The role of microRNA in the response to cisplatin treatment. <i>Biochemical Society Transactions</i> , 2012, 40, 821-825.	3.4	28
1108	Regulation of MicroRNAs by Natural Compounds: Implications for Cancer Therapy. , 2012, , 401-428.		0
1109	Identification and Promoter Activity Analysis of Porcine miR-181 and miR-1. <i>Journal of Integrative Agriculture</i> , 2012, 11, 986-992.	3.5	0
1110	MicroRNAs in Pathogenesis, Diagnosis, and Treatment of Gastroesophageal Cancers. <i>Gastroenterology</i> , 2012, 143, 35-47.e2.	1.3	167
1111	Transcriptional and translational regulation of cytokine signaling in inflammatory β 2-cell dysfunction and apoptosis. <i>Archives of Biochemistry and Biophysics</i> , 2012, 528, 171-184.	3.0	32
1112	The role of microRNAs in mammalian oocytes and embryos. <i>Animal Reproduction Science</i> , 2012, 134, 36-44.	1.5	58
1113	Silencing of Notch3 Using shRNA Driven by Survivin Promoter Inhibits Growth and Promotes Apoptosis of Human T-Cell Acute Lymphoblastic Leukemia Cells. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2012, 12, 59-65.	0.4	9

#	ARTICLE	IF	CITATIONS
1114	Altered expression profiles of microRNAs upon arsenic exposure of human umbilical vein endothelial cells. <i>Environmental Toxicology and Pharmacology</i> , 2012, 34, 381-387.	4.0	24
1115	miRT: A Database of Validated Transcription Start Sites of Human MicroRNAs. <i>Genomics, Proteomics and Bioinformatics</i> , 2012, 10, 310-316.	6.9	26
1116	MicroRNAs: Small but amazing, and their association with endothelin. <i>Life Sciences</i> , 2012, 91, 475-489.	4.3	23
1117	Diverse virus-host interactions influence RNA-based regulation during β -herpesvirus infection. <i>Current Opinion in Microbiology</i> , 2012, 15, 506-511.	5.1	4
1118	Critical roles of RNA-binding proteins in miRNA biogenesis in Arabidopsis. <i>RNA Biology</i> , 2012, 9, 1424-1428.	3.1	29
1119	Nucleic Acids as Therapeutics. , 2012, , 19-45.		12
1120	Kinetic expression analysis of the cluster mdv1-mir-M9-M4, genes meq and vIL-8 differs between the lytic and latent phases of Marek's disease virus infection. <i>Journal of General Virology</i> , 2012, 93, 1519-1529.	2.9	26
1121	Regulation of iron homeostasis by microRNAs. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3945-3952.	5.4	23
1123	Circulating microRNAs: New biomarkers in diagnosis, prognosis and treatment of cancer (Review). <i>International Journal of Oncology</i> , 2012, 41, 1897-1912.	3.3	313
1124	MicroRNAs novel regulators of systemic lupus erythematosus pathogenesis. <i>Nature Reviews Rheumatology</i> , 2012, 8, 701-709.	8.0	143
1125	microRNA involvement in human cancer. <i>Carcinogenesis</i> , 2012, 33, 1126-1133.	2.8	502
1126	DNA methylation-associated silencing of tumor-suppressor microRNAs in cancer. <i>Oncogene</i> , 2012, 31, 1609-1622.	5.9	307
1127	Plant Genome Diversity Volume 1. , 2012, , .		15
1128	Identification and characterization of microRNA from chicken adipose tissue and skeletal muscle. <i>Poultry Science</i> , 2012, 91, 139-149.	3.4	46
1129	Functional Genomics. <i>Methods in Molecular Biology</i> , 2012, , .	0.9	3
1131	MicroRNAs as promising biomarkers for gastric cancer. <i>Cancer Biomarkers</i> , 2012, 11, 259-267.	1.7	63
1132	Triptolide enhances the sensitivity of multiple myeloma cells to dexamethasone via microRNAs. <i>Leukemia and Lymphoma</i> , 2012, 53, 1188-1195.	1.3	21
1133	Insect MicroRNAs. , 2012, , 30-56.		22

#	ARTICLE	IF	CITATIONS
1134	The Akt-associated microRNAs. Cellular and Molecular Life Sciences, 2012, 69, 3601-3612.	5.4	58
1136	Asymmetric purine-pyrimidine distribution in cellular small RNA population of papaya. BMC Genomics, 2012, 13, 682.	2.8	41
1137	Do Epigenetic Pathways Initiate Late Onset Alzheimer Disease (LOAD): Towards a New Paradigm. Current Alzheimer Research, 2012, 9, 574-588.	1.4	46
1138	Cardiac MicroRNAs. , 2012, , 341-351.		0
1139	Detection of miRNAs with a nanopore single-molecule counter. Expert Review of Molecular Diagnostics, 2012, 12, 573-584.	3.1	54
1140	Microbial Pattern Recognition Causes Distinct Functional Micro-RNA Signatures in Primary Human Monocytes. PLoS ONE, 2012, 7, e31151.	2.5	21
1141	Circulating Hepatitis B Surface Antigen Particles Carry Hepatocellular microRNAs. PLoS ONE, 2012, 7, e31952.	2.5	58
1142	Characterization of miRNAs in Response to Short-Term Waterlogging in Three Inbred Lines of Zea mays. PLoS ONE, 2012, 7, e39786.	2.5	74
1143	Gene Network and Pathway Analysis of Mice with Conditional Ablation of Dicer in Post-Mitotic Neurons. PLoS ONE, 2012, 7, e44060.	2.5	22
1144	miR-BAG: Bagging Based Identification of MicroRNA Precursors. PLoS ONE, 2012, 7, e45782.	2.5	23
1145	microRNAs Associated with Drought Response in the Bioenergy Crop Sugarcane (Saccharum spp.). PLoS ONE, 2012, 7, e46703.	2.5	127
1146	Reduction of Type IV Collagen by Upregulated miR-29 in Normal Elderly Mouse and klotho-Deficient, Senescence-Model Mouse. PLoS ONE, 2012, 7, e48974.	2.5	35
1147	Roles of microRNAs in cancer stem cells. Frontiers in Bioscience - Scholar, 2012, S4, 810-818.	2.1	4
1148	Emerging role of non-coding RNA in neural plasticity, cognitive function, and neuropsychiatric disorders. Frontiers in Genetics, 2012, 3, 132.	2.3	68
1149	DNA Methylation of Tumor Suppressive miRNAs in Non-Hodgkin's Lymphomas. Frontiers in Genetics, 2012, 3, 233.	2.3	14
1150	MicroRNA in modern genetics. Journal of Pathology of Nepal, 2012, 2, 313-316.	0.1	0
1152	MicroRNAs: um novo paradigma no tratamento e diagnóstico da insuficiência cardíaca?. Arquivos Brasileiros De Cardiologia, 2012, 98, 362-370.	0.8	37
1153	MicroRNAs: molecular features and role in cancer. Frontiers in Bioscience - Landmark, 2012, 17, 2508.	3.0	171

#	ARTICLE	IF	CITATIONS
1154	The miR-17-92 cluster regulates FOG-2 expression and inhibits proliferation of mouse embryonic cardiomyocytes. Brazilian Journal of Medical and Biological Research, 2012, 45, 131-138.	1.5	19
1155	MicroRNAs Telltale Effects on Signaling Networks in Cardiomyopathy. , 2012, , .		0
1156	MicroRNA and its roles in esophageal cancer. Medical Science Monitor, 2012, 18, RA22-RA30.	1.1	30
1157	Analyzing the microRNA Transcriptome in Plants Using Deep Sequencing Data. Biology, 2012, 1, 297-310.	2.8	15
1158	Exerc�cio f�sico e microRNAs: novas fronteiras na insufici�ncia card�aca. Arquivos Brasileiros De Cardiologia, 2012, 98, 459-466.	0.8	15
1159	Regulation of mammalian gene expression by exogenous microRNAs. Wiley Interdisciplinary Reviews RNA, 2012, 3, 733-742.	6.4	38
1160	Role of MicroRNAs 99b, 181a, and 181b in the Differentiation of Human Embryonic Stem Cells to Vascular Endothelial Cells. Stem Cells, 2012, 30, 643-654.	3.2	92
1161	Emerging Functions of microRNA-146a/b in Development and Breast Cancer. Journal of Mammary Gland Biology and Neoplasia, 2012, 17, 79-87.	2.7	16
1162	MicroRNAs in inflammation and immune responses. Leukemia, 2012, 26, 404-413.	7.2	198
1163	Allelic methylation levels of the noncoding VTRNA2-1 located on chromosome 5q31.1 predict outcome in AML. Blood, 2012, 119, 206-216.	1.4	97
1164	Non-coding RNAs in the plant response to abiotic stress. Planta, 2012, 236, 943-958.	3.2	44
1165	An oncogenic role of miR-142-3p in human T-cell acute lymphoblastic leukemia (T-ALL) by targeting glucocorticoid receptor-� and cAMP/PKA pathways. Leukemia, 2012, 26, 769-777.	7.2	159
1166	Tissue Culture Responsive MicroRNAs in Strawberry. Plant Molecular Biology Reporter, 2012, 30, 1047-1054.	1.8	25
1167	Association of the <i>miR�146</i></i>aC>G, <i>149</i></i>C>T, <i>196a2</i></i>C>T, and <i>499</i></i>A>G polymorphisms with colorectal cancer in the Korean population. Molecular Carcinogenesis, 2012, 51, E65-73.	2.7	90
1168	MicroRNA dysregulation in cancer: diagnostics, monitoring and therapeutics. A comprehensive review. EMBO Molecular Medicine, 2012, 4, 143-159.	6.9	1,481
1169	Stat3-mediated activation of microRNA-23a suppresses gluconeogenesis in hepatocellular carcinoma by down-regulating Glucose-6-phosphatase and peroxisome proliferator-activated receptor gamma, coactivator 1 alpha. Hepatology, 2012, 56, 186-197.	7.3	194
1170	Genome-wide expression of non-coding RNA and global chromatin modification. Acta Biochimica Et Biophysica Sinica, 2012, 44, 40-47.	2.0	17
1171	microRNAs in Ischemic Brain: The Fine-Tuning Specialists and Novel Therapeutic Targets. , 2012, , 335-352.		1

#	ARTICLE	IF	CITATIONS
1172	The Biology and Dynamics of Plant Small RNAs. , 2012, , 83-101.		0
1173	MicroRNA-125a inhibits cell growth by targeting glypican-4. Glycoconjugate Journal, 2012, 29, 503-511.	2.7	14
1174	Role of microRNAs in stem/progenitor cells and cardiovascular repair. Cardiovascular Research, 2012, 93, 614-622.	3.8	89
1175	Evidence for a cytoplasmic microprocessor of pri-miRNAs. Rna, 2012, 18, 1338-1346.	3.5	84
1176	Identification and characterization of microRNAs in Phaseolus vulgaris by high-throughput sequencing. BMC Genomics, 2012, 13, 83.	2.8	106
1177	DNA methylation of microRNA genes in multiple myeloma. Carcinogenesis, 2012, 33, 1629-1638.	2.8	62
1178	Revelation of the early responses of salt tolerance in maize via SSH libraries. Genes and Genomics, 2012, 34, 265-273.	1.4	5
1179	Biogenesis of Epstein-Barr virus microRNAs. Molecular and Cellular Biochemistry, 2012, 365, 203-210.	3.1	24
1180	MIR-221 expression affects invasion potential of human prostate carcinoma cell lines by targeting DVL2. Medical Oncology, 2012, 29, 815-822.	2.5	70
1181	Effects of Oestrogen on MicroRNA Expression in Hormone-Responsive Breast Cancer Cells. Hormones and Cancer, 2012, 3, 65-78.	4.9	51
1182	Epigenetic modifications in cardiovascular disease. Basic Research in Cardiology, 2012, 107, 245.	5.9	114
1183	Widespread roles of microRNAs during zebrafish development and beyond. Development Growth and Differentiation, 2012, 54, 55-65.	1.5	41
1184	Lentiviral vectors for cutaneous RNA managing. Experimental Dermatology, 2012, 21, 162-170.	2.9	7
1185	pre-piRNA biogenesis mimics the pathway of miRNA. Biochemical Systematics and Ecology, 2012, 43, 200-204.	1.3	3
1186	Micro RNAs as a new therapeutic target towards leukaemia signalling. Cellular Signalling, 2012, 24, 363-368.	3.6	16
1187	miRNA in systemic lupus erythematosus. Clinical Immunology, 2012, 144, 26-31.	3.2	73
1188	MicroRNA networks surrounding APP and amyloid-Î² metabolism - Implications for Alzheimer's disease. Experimental Neurology, 2012, 235, 447-454.	4.1	90
1189	Advances in microRNA experimental approaches to study physiological regulation of gene products implicated in CNS disorders. Experimental Neurology, 2012, 235, 402-418.	4.1	36

#	ARTICLE	IF	CITATIONS
1190	Smadâ€‘mediated regulation of microRNA biosynthesis. FEBS Letters, 2012, 586, 1906-1912.	2.8	110
1191	MicroRNAâ€‘203 leads to G1 phase cell cycle arrest in laryngeal carcinoma cells by directly targeting survivin. FEBS Letters, 2012, 586, 804-809.	2.8	74
1192	MicroRNAs in autoimmunity and inflammatory bowel disease: Crucial regulators in immune response. Autoimmunity Reviews, 2012, 11, 305-314.	5.8	150
1193	Coupling AAA protein function to regulated gene expression. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 108-116.	4.1	32
1194	Exploiting microRNAs for cell engineering and therapy. Biotechnology Advances, 2012, 30, 753-765.	11.7	27
1195	Downâ€‘regulation of the microRNA processing enzyme Dicer is a prognostic factor in human colorectal cancer. Histopathology, 2012, 61, 552-561.	2.9	44
1196	MicroRNAâ€‘182 targets cAMPâ€‘responsive elementâ€‘binding proteinâ€‘1 and suppresses cell growth in human gastric adenocarcinoma. FEBS Journal, 2012, 279, 1252-1260.	4.7	108
1197	miRNA profiling for biomarker discovery in multiple sclerosis: From microarray to deep sequencing. Journal of Neuroimmunology, 2012, 248, 32-39.	2.3	77
1198	The role of miRNAs in progesterone action. Molecular and Cellular Endocrinology, 2012, 357, 50-59.	3.2	40
1199	MicroRNAs in neurodegenerative diseases and their therapeutic potential. , 2012, 133, 142-150.		186
1200	Identification and comparison of micro<scp>RNA</scp>s from skeletal muscle and adipose tissues from two porcine breeds. Animal Genetics, 2012, 43, 704-713.	1.7	44
1201	Identification of wounding and topping responsive small RNAs in tobacco (Nicotiana tabacum). BMC Plant Biology, 2012, 12, 28.	3.6	68
1202	Recent updates on the role of microRNAs in prostate cancer. Journal of Hematology and Oncology, 2012, 5, 9.	17.0	63
1203	Inhibition of microRNA function by antimiR oligonucleotides. Silence: A Journal of RNA Regulation, 2012, 3, 1.	8.1	456
1204	Integrating postâ€‘transcriptional regulation into the embryonic stem cell gene regulatory network. Journal of Cellular Physiology, 2012, 227, 439-449.	4.1	10
1205	MicroRNAs in the midst of myeloid signal transduction. Journal of Cellular Physiology, 2012, 227, 525-533.	4.1	2
1206	MicroRNAs, diet, and cancer: New mechanistic insights on the epigenetic actions of phytochemicals. Molecular Carcinogenesis, 2012, 51, 213-230.	2.7	101
1207	What do microRNAs mean for rheumatoid arthritis?. Arthritis and Rheumatism, 2012, 64, 11-20.	6.7	63

#	ARTICLE	IF	CITATIONS
1208	Sox9 Is Upstream of MicroRNA-140 in Cartilage. Applied Biochemistry and Biotechnology, 2012, 166, 64-71.	2.9	74
1209	Horizontal transfer of microRNAs: molecular mechanisms and clinical applications. Protein and Cell, 2012, 3, 28-37.	11.0	223
1210	Upregulated miR-29b promotes neuronal cell death by inhibiting Bcl2L2 after ischemic brain injury. Experimental Brain Research, 2012, 216, 225-230.	1.5	86
1211	General Principals of miRNA Biogenesis and Regulation in the Brain. Neuropsychopharmacology, 2013, 38, 39-54.	5.4	173
1212	MicroRNA-24 regulates XIAP to reduce the apoptosis threshold in cancer cells. Oncogene, 2013, 32, 2442-2451.	5.9	80
1213	Long Noncoding <scp>RNAs</scp>: Insights from Biological Features and Functions to Diseases. Medicinal Research Reviews, 2013, 33, 517-553.	10.5	158
1214	Distinctive microRNAs in esophageal tumor: early diagnosis, prognosis judgment, and tumor treatment. Ecological Management and Restoration, 2013, 26, 288-298.	0.4	9
1215	A review of expression profiling of circulating microRNAs in men with prostate cancer. BJU International, 2013, 111, 17-21.	2.5	29
1216	MicroRNAs in the pathogenesis of malignant melanoma. Journal of the European Academy of Dermatology and Venereology, 2013, 27, 142-150.	2.4	28
1217	Effects of polymorphisms in the porcine micro<scp>RNA <i>MIR206</i></scp>/<scp><i>MIR133B</i></scp> cluster on muscle fiber and meat quality traits. Animal Genetics, 2013, 44, 101-106.	1.7	28
1218	MicroRNAs in osteosarcoma: diagnostic and therapeutic aspects. Tumor Biology, 2013, 34, 2093-2098.	1.8	143
1219	MicroRNAs: an emerging science in cancer epigenetics. Journal of Clinical Bioinformatics, 2013, 3, 6.	1.2	74
1220	Regulation of microRNA biogenesis and turnover by animals and their viruses. Cellular and Molecular Life Sciences, 2013, 70, 3525-3544.	5.4	76
1221	MIR846 and MIR842 comprise a cistronic MIRNA pair that is regulated by abscisic acid by alternative splicing in roots of Arabidopsis. Plant Molecular Biology, 2013, 81, 447-460.	3.9	52
1222	Spatial and temporal expression modes of MicroRNAs in an elite rice hybrid and its parental lines. Planta, 2013, 238, 259-269.	3.2	17
1223	RNAi for Insect Control: Current Perspective and Future Challenges. Applied Biochemistry and Biotechnology, 2013, 171, 847-873.	2.9	116
1224	Molecular Dermatology. Methods in Molecular Biology, 2013, , .	0.9	4
1225	MicroRNAs as therapeutic targets in chemoresistance. Drug Resistance Updates, 2013, 16, 47-59.	14.4	133

#	ARTICLE	IF	CITATIONS
1226	<scp>SRNAome</scp> parsing yields insights into tomato fruit ripening control. <i>Physiologia Plantarum</i> , 2013, 149, 540-553.	5.2	12
1227	Association of germline microRNA SNPs in pre-miRNA flanking region and breast cancer risk and survival: the Carolina Breast Cancer Study. <i>Cancer Causes and Control</i> , 2013, 24, 1099-1109.	1.8	72
1228	MicroRNA in Cancer. , 2013, , .		0
1229	MicroRNA Cancer Regulation. <i>Advances in Experimental Medicine and Biology</i> , 2013, , .	1.6	17
1230	MicroRNA Protocols. <i>Methods in Molecular Biology</i> , 2013, , .	0.9	2
1231	Genome-wide identification of soybean microRNAs and their targets reveals their organ-specificity and responses to phosphate starvation. <i>BMC Genomics</i> , 2013, 14, 66.	2.8	125
1232	The MicroRNA-148/152 Family: Multi-faceted Players. <i>Molecular Cancer</i> , 2013, 12, 43.	19.2	143
1233	MicroRNAs in skeletal muscle biology and exercise adaptation. <i>Free Radical Biology and Medicine</i> , 2013, 64, 95-105.	2.9	105
1234	Processing of virusâ€derived cytoplasmic primaryâ€microRNAs</scp>. <i>Wiley Interdisciplinary Reviews RNA</i> , 2013, 4, 463-471.	6.4	10
1235	RNA and Cancer. <i>Cancer Treatment and Research</i> , 2013, , .	0.5	3
1236	miR-449a Contributes to Glucocorticoid-Induced CRF-R1 Downregulation in the Pituitary During Stress. <i>Molecular Endocrinology</i> , 2013, 27, 1593-1602.	3.7	32
1237	Computational Identification of MicroRNAs and Their Targets in Cassava (<i>Manihot esculenta</i> Crantz.). <i>Molecular Biotechnology</i> , 2013, 53, 257-269.	2.4	76
1238	Identification of miRNAs and miRNA-mediated regulatory pathways in <i>Carica papaya</i> . <i>Planta</i> , 2013, 238, 739-752.	3.2	40
1239	Towards microRNA-based therapeutics for diabetic nephropathy. <i>Diabetologia</i> , 2013, 56, 444-456.	6.3	29
1240	microRNA in the control of stem-like phenotype of cancer cells. <i>Open Life Sciences</i> , 2013, 8, 931-942.	1.4	3
1241	Introns targeted by plant microRNAs: a possible novel mechanism of gene regulation. <i>Rice</i> , 2013, 6, 8.	4.0	43
1242	Stem Cells and Cancer Stem Cells, Volume 9. , 2013, , .		0
1243	microRNA Regulation and Its Consequences in Cancer. <i>Current Pathobiology Reports</i> , 2013, 1, 71-79.	3.4	14

#	ARTICLE	IF	CITATIONS
1244	Breast Cancer Metastasis and Drug Resistance. , 2013, , .		12
1245	MicroRNA-124 regulates osteoclast differentiation. Bone, 2013, 56, 383-389.	2.9	141
1246	microRNA Control of Mouse and Human Pluripotent Stem Cell Behavior. Annual Review of Cell and Developmental Biology, 2013, 29, 213-239.	9.4	75
1247	Coordinated Networks of microRNAs and Transcription Factors with Evolutionary Perspectives. Advances in Experimental Medicine and Biology, 2013, 774, 169-187.	1.6	16
1248	lluminating microRNA Transcription from the Epigenome. Current Genomics, 2013, 14, 68-77.	1.6	7
1249	Autoimmune regulator (Aire) controls the expression of microRNAs in medullary thymic epithelial cells. Immunobiology, 2013, 218, 554-560.	1.9	57
1250	Computational prediction of the localization of microRNAs within their pre-miRNA. Nucleic Acids Research, 2013, 41, 7200-7211.	14.5	75
1251	Genetic control of primary microRNA insight into cis- and trans-regulatory variations by RNA-seq. Gene, 2013, 517, 224-229.	2.2	3
1252	miREval 2.0: a web tool for simple microRNA prediction in genome sequences. Bioinformatics, 2013, 29, 3225-3226.	4.1	50
1253	Overexpression of miR-126 promotes the differentiation of mesenchymal stem cells toward endothelial cells via activation of PI3K/Akt and MAPK/ERK pathways and release of paracrine factors. Biological Chemistry, 2013, 394, 1223-1233.	2.5	50
1254	MicroRNA-based therapy: a new dimension in epilepsy treatment. International Journal of Neuroscience, 2013, 123, 617-622.	1.6	12
1255	Accelerating Cancer Modeling with RNAi and Nongermine Genetically Engineered Mouse Models. Cold Spring Harbor Protocols, 2013, 2013, pdb.top069856.	0.3	17
1256	SNPping cancer in the bud: MicroRNA and microRNA-target site polymorphisms as diagnostic and prognostic biomarkers in cancer. , 2013, 137, 55-63.		83
1257	MicroRNAs in Cancer. Cancer Treatment and Research, 2013, 158, 119-137.	0.5	27
1258	The role of non-coding RNAs in diabetic nephropathy: Potential applications as biomarkers for disease development and progression. Diabetes Research and Clinical Practice, 2013, 99, 1-11.	2.8	96
1259	Dendrimers for siRNA Delivery. Pharmaceuticals, 2013, 6, 161-183.	3.8	135
1260	Global survey on sequence characteristics of plant microRNA genes:Cis-regulatory SNPs in promoters and microRNA precursors. Plant Biosystems, 2013, 147, 445-450.	1.6	3
1261	Extremely Complex Populations of Small RNAs in the Mouse Retina and RPE/Choroid. , 2013, 54, 8140.		22

#	ARTICLE	IF	CITATIONS
1262	Regulation of Stem Cell Populations by microRNAs. <i>Advances in Experimental Medicine and Biology</i> , 2013, 786, 329-351.	1.6	111
1263	Hypoxia: A master regulator of microRNA biogenesis and activity. <i>Free Radical Biology and Medicine</i> , 2013, 64, 20-30.	2.9	245
1265	mi<scp>RNA</scp>s and <scp>HIV</scp>: unforeseen determinants of hostâ€pathogen interaction. <i>Immunological Reviews</i> , 2013, 254, 265-280.	6.0	37
1266	Reduced expression of <i><scp>MIR</scp>409â€p</i> in primary immune thrombocytopenia. <i>British Journal of Haematology</i> , 2013, 161, 128-135.	2.5	23
1268	Association between SNPs in microRNA-machinery genes and tuberculosis susceptibility in Chinese Tibetan population. <i>Molecular Biology Reports</i> , 2013, 40, 6027-6033.	2.3	22
1269	Systematic classification of non-coding RNAs by epigenomic similarity. <i>BMC Bioinformatics</i> , 2013, 14, S2.	2.6	73
1270	iMir: An integrated pipeline for high-throughput analysis of small non-coding RNA data obtained by smallRNA-Seq. <i>BMC Bioinformatics</i> , 2013, 14, 362.	2.6	62
1271	Transcriptome sequencing and microarray design for functional genomics in the extremophile <i>Arabidopsis</i> relative <i>Thellungiella salsuginea</i> (<i>Eutrema salsugineum</i>). <i>BMC Genomics</i> , 2013, 14, 793.	2.8	37
1272	Identification and characterization of microRNAs in the developing maize endosperm. <i>Genomics</i> , 2013, 102, 472-478.	2.9	24
1273	micro<scp>RNA</scp>â€181a is involved in insulinâ€like growth factorâ€1â€mediated regulation of the transcription factor <scp>CREB</scp>1. <i>Journal of Neurochemistry</i> , 2013, 126, 771-780.	3.9	24
1275	An emerging role for microRNAs in sexually dimorphic neurobiological systems. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 655-667.	2.8	22
1276	Aberrant MicroRNAs Expression Patterns in Pancreatic Cancer and Their Clinical Translation. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2013, 28, 361-369.	1.0	21
1277	Mining Featured Patterns of MiRNA Interaction Based on Sequence and Structure Similarity. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2013, 10, 415-422.	3.0	18
1278	Epigenetics and Psychostimulant Addiction. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013, 3, a012047-a012047.	6.2	61
1279	Small RNAs in Germline Development. <i>Current Topics in Developmental Biology</i> , 2013, 102, 159-205.	2.2	38
1280	Identification and analysis of the proximal promoters of microRNA genes in <i>Arabidopsis</i> . <i>Genomics</i> , 2013, 101, 187-194.	2.9	44
1281	A reversed framework for the identification of microRNA-target pairs in plants. <i>Briefings in Bioinformatics</i> , 2013, 14, 293-301.	6.5	27
1282	Genome-Wide Epigenetic Regulation of miRNAs in Cancer. <i>Cancer Research</i> , 2013, 73, 473-477.	0.9	282

#	ARTICLE	IF	CITATIONS
1283	Targeting microRNAs to modulate TRAIL-induced apoptosis of cancer cells. <i>Cancer Gene Therapy</i> , 2013, 20, 33-37.	4.6	24
1284	MicroRNA biogenesis: regulating the regulators. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2013, 48, 51-68.	5.2	261
1285	Insect MicroRNAs: Biogenesis, expression profiling and biological functions. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 24-38.	2.7	156
1286	The MicroRNA. <i>Methods in Molecular Biology</i> , 2013, 936, 1-19.	0.9	17
1287	Enrichment Analysis of miRNA Targets. <i>Methods in Molecular Biology</i> , 2013, 936, 91-103.	0.9	12
1288	Micro-Managing the Circadian Clock: The Role of microRNAs in Biological Timekeeping. <i>Journal of Molecular Biology</i> , 2013, 425, 3609-3624.	4.2	71
1289	The microRNA maturation regulator Drosha is an independent predictor of outcome in breast cancer patients. <i>Breast Cancer Research and Treatment</i> , 2013, 137, 139-153.	2.5	18
1290	Oncogeneâ€dependent control of <scp>miRNA</scp> biogenesis and metastatic progression in a model of undifferentiated pleomorphic sarcoma. <i>Journal of Pathology</i> , 2013, 229, 132-140.	4.5	34
1291	Crosstalk between BCR/ABL and RNAi. <i>Acta Haematologica Polonica</i> , 2013, 44, 363-369.	0.3	0
1292	Involvement of FOS-mediated miR-181b/miR-21 signalling in the progression of malignant gliomas. <i>European Journal of Cancer</i> , 2013, 49, 3055-3063.	2.8	54
1293	Transcriptional evidence for small RNA regulation of pupal diapause in the flesh fly, <i>Sarcophaga bullata</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 982-989.	2.7	42
1294	Organic small hairpin RNAs (OshR): A do-it-yourself platform for transgene-based gene silencing. <i>Methods</i> , 2013, 63, 101-109.	3.8	1
1295	Selective Degradation of Host MicroRNAs by an Intergenic HCMV Noncoding RNA Accelerates Virus Production. <i>Cell Host and Microbe</i> , 2013, 13, 678-690.	11.0	96
1296	Perspectives in targeting miRNA function. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6115-6118.	3.0	23
1297	Molecular quantification of canine specific microRNA species. <i>Research in Veterinary Science</i> , 2013, 95, 562-568.	1.9	6
1298	MicroRNA changes associated with atypical CYP1A1 inducer BMS-764459. <i>Toxicology</i> , 2013, 311, 169-177.	4.2	3
1299	Exceptional stories of microRNAs. <i>Experimental Biology and Medicine</i> , 2013, 238, 339-343.	2.4	41
1301	MicroRNA regulation of endothelial homeostasis and commitmentâ€implications for vascular regeneration strategies using stem cell therapies. <i>Free Radical Biology and Medicine</i> , 2013, 64, 52-60.	2.9	15

#	ARTICLE	IF	CITATIONS
1302	microRNAs and the regulation of neuronal plasticity under stress conditions. <i>Neuroscience</i> , 2013, 241, 188-205.	2.3	58
1303	MicroRNA Primary Transcripts and Promoter Elements Analysis in Soybean (<i>Glycine max</i> L. Merrill.). <i>Journal of Integrative Agriculture</i> , 2013, 12, 1522-1529.	3.5	5
1304	Arresting transcription and sentencing the cell: The consequences of blocked transcription. <i>Mechanisms of Ageing and Development</i> , 2013, 134, 243-252.	4.6	6
1305	miRNAs in endothelial cell signaling: The endomiRNAs. <i>Experimental Cell Research</i> , 2013, 319, 1324-1330.	2.6	31
1306	MicroRNA regulation of epithelial plasticity in cancer. <i>Cancer Letters</i> , 2013, 341, 46-55.	7.2	28
1307	MicroRNA Profiling During Human Keratinocyte Differentiation Using a Quantitative Real-Time PCR Method. <i>Methods in Molecular Biology</i> , 2013, 961, 193-200.	0.9	3
1308	Epigenetic Regulation of Male Germ Cell Differentiation. <i>Sub-Cellular Biochemistry</i> , 2013, 61, 119-138.	2.4	27
1309	Arthropod-Borne Flaviviruses and RNA Interference. <i>Advances in Virus Research</i> , 2013, 85, 91-111.	2.1	13
1310	Transcriptional and epigenetic regulation of human microRNAs. <i>Cancer Letters</i> , 2013, 331, 1-10.	7.2	111
1311	MicroRNAs: promising therapeutic targets for the treatment of pulmonary arterial hypertension. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 557-564.	3.4	18
1312	Where we stand, where we are moving: Surveying computational techniques for identifying miRNA genes and uncovering their regulatory role. <i>Journal of Biomedical Informatics</i> , 2013, 46, 563-573.	4.3	41
1313	miR-24-3p and miR-27a-3p promote cell proliferation in glioma cells via cooperative regulation of MXI1. <i>International Journal of Oncology</i> , 2013, 42, 757-766.	3.3	111
1314	Platelet microRNAs. , 2013, , 91-101.		4
1315	MicroRNAs and Atherosclerosis. <i>Current Atherosclerosis Reports</i> , 2013, 15, 322.	4.8	125
1316	Emerging role of epigenetics and miRNA in diabetic cardiomyopathy. <i>Cardiovascular Pathology</i> , 2013, 22, 117-125.	1.6	71
1317	Reprogramming of the MicroRNA Transcriptome Mediates Resistance to Rapamycin. <i>Journal of Biological Chemistry</i> , 2013, 288, 6034-6044.	3.4	41
1318	miRNA-target prediction based on transcriptional regulation. <i>BMC Genomics</i> , 2013, 14, S3.	2.8	27
1319	A novel label-free electrochemical microRNA biosensor using Pd nanoparticles as enhancer and linker. <i>Analyst</i> , The, 2013, 138, 1060.	3.5	96

#	ARTICLE	IF	CITATIONS
1320	Comparative Analysis of MicroRNA Promoters in <i>Arabidopsis</i> and Rice. <i>Genomics, Proteomics and Bioinformatics</i> , 2013, 11, 56-60.	6.9	21
1321	microRNAs in liver disease: From diagnostics to therapeutics. <i>Clinical Biochemistry</i> , 2013, 46, 946-952.	1.9	45
1322	Current understanding on micro RNAs and its regulation in response to Mycobacterial infections. <i>Journal of Biomedical Science</i> , 2013, 20, 14.	7.0	37
1323	Epigenetics and Brain Cancer. , 2013, , 21-40.		0
1324	RNA Interference Pathways and Therapeutic Exploitation. <i>Advances in Delivery Science and Technology</i> , 2013, , 1-29.	0.4	0
1325	MicroRNAs in Cell Death and Cancer. , 2013, , 117-136.		0
1326	MicroRNAs in the Brain: It's Regulatory Role in Neuroinflammation. <i>Molecular Neurobiology</i> , 2013, 47, 1034-1044.	4.0	61
1328	Regulation of miRNA biogenesis and turnover in the immune system. <i>Immunological Reviews</i> , 2013, 253, 304-316.	6.0	72
1329	microRNAs as pharmacological targets in cancer. <i>Pharmacological Research</i> , 2013, 75, 3-14.	7.1	56
1330	Increased miR-195 aggravates neuropathic pain by inhibiting autophagy following peripheral nerve injury. <i>Glia</i> , 2013, 61, 504-512.	4.9	151
1331	miRNA-based mechanisms regulating host-virus interactions. <i>Immunological Reviews</i> , 2013, 253, 97-111.	6.0	49
1332	MicroRNAs in Liver Health and Disease. <i>Current Pathobiology Reports</i> , 2013, 1, 53-62.	3.4	26
1333	Clinical Implication of MicroRNA for Lung Cancer. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2013, 28, 261-267.	1.0	12
1334	Recent advances in microRNA-mediated gene regulation in chronic lymphocytic leukemia. <i>Clinical Biochemistry</i> , 2013, 46, 901-908.	1.9	4
1335	miRNA regulatory variation in human evolution. <i>Trends in Genetics</i> , 2013, 29, 116-124.	6.7	34
1336	Minireview: MIRomics in Endocrinology: A Novel Approach for Modeling Endocrine Diseases. <i>Molecular Endocrinology</i> , 2013, 27, 573-585.	3.7	21
1337	miRNA in the Regulation of Ion Channel/Transporter Expression. , 2013, 3, 599-653.		25
1338	Emerging Concepts. , 2013, , 607-641.		0

#	ARTICLE	IF	CITATIONS
1339	Design of Lentivirally Expressed siRNAs. <i>Methods in Molecular Biology</i> , 2013, 942, 233-257.	0.9	6
1340	Circulating microRNAs as novel biomarkers for diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2013, 9, 513-521.	9.6	491
1341	MicroRNAs in Kidney Disease: An Emerging Understanding. <i>American Journal of Kidney Diseases</i> , 2013, 61, 798-808.	1.9	39
1343	Alternative Splicing Regulates Biogenesis of miRNAs Located across Exon-Intron Junctions. <i>Molecular Cell</i> , 2013, 50, 869-881.	9.7	83
1344	Genomic and epigenetic insights into the molecular bases of heterosis. <i>Nature Reviews Genetics</i> , 2013, 14, 471-482.	16.3	444
1345	MicroRNAs in the Aging Female Brain: A Putative Mechanism for Age-Specific Estrogen Effects. <i>Endocrinology</i> , 2013, 154, 2795-2806.	2.8	56
1346	MicroRNAs in the regulation of TLR and RIG-I pathways. <i>Cellular and Molecular Immunology</i> , 2013, 10, 65-71.	10.5	122
1347	Implications of microRNAs in the pathogenesis of diabetes. <i>Archives of Pharmacal Research</i> , 2013, 36, 154-166.	6.3	37
1348	MicroRNA<sc>s in myeloproliferative neoplasms. <i>British Journal of Haematology</i> , 2013, 161, 471-483.	2.5	30
1349	Overexpression of microRNA<sc>319 impacts leaf morphogenesis and leads to enhanced cold tolerance in rice (<sc><i>Oryza sativa</i></sc>). <i>Plant, Cell and Environment</i> , 2013, 36, 2207-2218.	5.7	337
1350	Small RNAs: a new frontier in mosquito biology. <i>Trends in Parasitology</i> , 2013, 29, 295-303.	3.3	44
1351	Review: The Role of MicroRNAs in Osteoarthritis and Chondrogenesis. <i>Arthritis and Rheumatism</i> , 2013, 65, 1963-1974.	6.7	107
1352	MicroRNAs in the Pathogenesis of Viral Infections and Cancer. , 2013, , 43-61.		0
1353	Advances in RNA Interference Technology and Its Impact on Nutritional Improvement, Disease and Insect Control in Plants. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 1579-1605.	2.9	36
1354	MicroRNA: Function, Detection, and Bioanalysis. <i>Chemical Reviews</i> , 2013, 113, 6207-6233.	47.7	1,006
1355	MicroRNAs as pharmacological targets in endothelial cell function and dysfunction. <i>Pharmacological Research</i> , 2013, 75, 15-27.	7.1	90
1356	Epigenetic mechanisms in multiple sclerosis: implications for pathogenesis and treatment. <i>Lancet Neurology</i> , The, 2013, 12, 195-206.	10.2	123
1357	Clinicopathological and prognostic significance of the microRNA processing enzyme DICER1 mRNA expression in colorectal cancer patients. <i>Molecular and Clinical Oncology</i> , 2013, 1, 267-273.	1.0	4

#	ARTICLE	IF	CITATIONS
1358	New advances of DNA methylation in liver fibrosis, with special emphasis on the crosstalk between microRNAs and DNA methylation machinery. Cellular Signalling, 2013, 25, 1837-1844.	3.6	25
1359	Aberrant expression of microRNAs in bladder cancer. Nature Reviews Urology, 2013, 10, 396-404.	3.8	200
1360	MicroRNAs function as tumor suppressors or oncogenes: Aberrant expression of microRNAs in head and neck squamous cell carcinoma. Auris Nasus Larynx, 2013, 40, 143-149.	1.2	60
1361	Advances in the role of microRNAs in lipid metabolism-related anti-atherosclerotic drug discovery. Expert Opinion on Drug Discovery, 2013, 8, 977-990.	5.0	5
1362	An Arrayed RNA Interference Genome-Wide Screen Identifies Candidate Genes Involved in the MicroRNA 21 Biogenesis Pathway. Assay and Drug Development Technologies, 2013, 11, 191-205.	1.2	10
1363	The E2F1-miRNA Cancer Progression Network. Advances in Experimental Medicine and Biology, 2013, 774, 135-147.	1.6	30
1364	Diversifying microRNA sequence and function. Nature Reviews Molecular Cell Biology, 2013, 14, 475-488.	37.0	1,066
1365	Epigenetic alterations and microRNAs. Epigenetics, 2013, 8, 561-570.	2.7	30
1366	Signaling by MicroRNAs in Response to Abiotic Stress. , 2013, , 51-67.		1
1367	Plant RNA Interference Pathways: Diversity in Function, Similarity in Action. Plant Molecular Biology Reporter, 2013, 31, 493-506.	1.8	30
1369	Biogenesis, evolution, and functions of plant microRNAs. Biochemistry (Moscow), 2013, 78, 627-637.	1.5	35
1370	POWERDRESS and Diversified Expression of the MIR172 Gene Family Bolster the Floral Stem Cell Network. PLoS Genetics, 2013, 9, e1003218.	3.5	85
1371	Disparity between microRNA levels and promoter strength is associated with initiation rate and Pol II pausing. Nature Communications, 2013, 4, 2118.	12.8	12
1372	Prioritization of Genetic Variants in the micro RNA Regulome as Functional Candidates in Genome-Wide Association Studies. Human Mutation, 2013, 34, 1049-1056.	2.5	33
1373	Highly Complementary Target RNAs Promote Release of Guide RNAs from Human Argonaute2. Molecular Cell, 2013, 50, 344-355.	9.7	102
1374	MicroRNA Expression During Neuronal Differentiation of Human Teratocarcinoma NTera2D1 and Mouse Embryonic Carcinoma P19 Cells. Methods in Molecular Biology, 2013, 936, 257-269.	0.9	2
1375	Gene Silencing In Vitro and In Vivo Using Intronic MicroRNAs. Methods in Molecular Biology, 2013, 936, 209-229.	0.9	21
1376	Breast Cancer Stem Cells and miRNAs. , 2013, , 367-383.		0

#	ARTICLE	IF	CITATIONS
1377	MicroRNA and Cardiovascular Disorders with a Focus on Angiogenesis. , 2013, , 479-497.		1
1378	MicroRNA 339 downregulates μ -opioid receptor at the posttranscriptional level in response to opioid treatment. FASEB Journal, 2013, 27, 522-535.	0.5	69
1379	Overcoming Chemotherapy Resistance by Targeting Hyaluronan/ CD44-Mediated Stem Cell Marker (Nanog) Signaling and MicroRNA-21 in Breast, Ovarian, and Head and Neck Cancer. , 2013, , 291-298.		0
1380	Reasons of carcinogenesis indicate a big-bang inside: A hypothesis for the aberration of DNA methylation. Medical Hypotheses, 2013, 81, 50-57.	1.5	0
1381	Involvement of a novel intronic microRNA in cross regulation of N-methyltransferase genes involved in caffeine biosynthesis in <i>Coffea canephora</i> . Gene, 2013, 519, 107-112.	2.2	2
1382	MicroRNAs: Novel mediators of resistance to microtubule-targeting agents. Cancer Treatment Reviews, 2013, 39, 161-170.	7.7	40
1383	The Cannabinoid WIN 55,212-2 Decreases Specificity Protein Transcription Factors and the Oncogenic Cap Protein eIF4E in Colon Cancer Cells. Molecular Cancer Therapeutics, 2013, 12, 2483-2493.	4.1	28
1384	MicroRNA-191, an estrogen-responsive microRNA, functions as an oncogenic regulator in human breast cancer. Carcinogenesis, 2013, 34, 1889-1899.	2.8	103
1385	MicroRNA and Cancer Chemoprevention. Cancer Prevention Research, 2013, 6, 401-409.	1.5	34
1386	Short Hairpin RNA-Mediated Gene Silencing. Methods in Molecular Biology, 2013, 942, 205-232.	0.9	83
1387	Expression and significance of PTEN and miR-92 in hepatocellular carcinoma. Molecular Medicine Reports, 2013, 7, 1413-1416.	2.4	14
1388	MicroRNAs are involved in the self-renewal and differentiation of cancer stem cells. Acta Pharmacologica Sinica, 2013, 34, 1374-1380.	6.1	22
1389	MicroRNA-200b Is Overexpressed in Endometrial Adenocarcinomas and Enhances <i>MMP2</i> Activity by Downregulating <i>TIMP2</i> in Human Endometrial Cancer Cell Line HEC-1A Cells. Nucleic Acid Therapeutics, 2013, 23, 29-34.	3.6	43
1390	Gene Ontology annotation of sequence-specific DNA binding transcription factors: setting the stage for a large-scale curation effort. Database: the Journal of Biological Databases and Curation, 2013, bat062-bat062.	3.0	33
1391	MicroRNA in Diabetic Nephropathy: Renin Angiotensin, AGE/RAGE, and Oxidative Stress Pathway. Journal of Diabetes Research, 2013, 2013, 1-11.	2.3	46
1392	Non-Coding RNAs and Cancer. International Journal of Molecular Sciences, 2013, 14, 17085-17110.	4.1	52
1393	Transcription of the Major <i>Neurospora crassa</i> microRNA "Like Small RNAs Relies on RNA Polymerase III. PLoS Genetics, 2013, 9, e1003227.	3.5	38
1394	miR-34 is maternally inherited in <i>Drosophila melanogaster</i> and <i>Danio rerio</i> . Nucleic Acids Research, 2013, 41, 4470-4480.	14.5	66

#	ARTICLE	IF	CITATIONS
1395	Epigenetics of Lupus. , 2013, , 46-56.		1
1396	Chronic inflammatory diseases. , 2013, , 81-104.		0
1397	Principles of miRNA-Target Regulation in Metazoan Models. International Journal of Molecular Sciences, 2013, 14, 16280-16302.	4.1	23
1398	MicroRNA Regulation of Angiogenesis. , 2013, , 187-212.		0
1399	SON Protein Regulates GATA-2 through Transcriptional Control of the MicroRNA 23a ¹ /427a ¹ /424-2 Cluster*. Journal of Biological Chemistry, 2013, 288, 5381-5388.	3.4	31
1400	Identification of Recurrence Related microRNAs in Hepatocellular Carcinoma after Surgical Resection. International Journal of Molecular Sciences, 2013, 14, 1105-1118.	4.1	23
1401	MicroRNAs and Triple Negative Breast Cancer. International Journal of Molecular Sciences, 2013, 14, 22202-22220.	4.1	70
1402	Role of RNA Interference (RNAi) in the Moss <i>Physcomitrella patens</i> . International Journal of Molecular Sciences, 2013, 14, 1516-1540.	4.1	25
1403	A Virally Encoded Small Peptide Regulates RTA Stability and Facilitates Kaposi's Sarcoma-Associated Herpesvirus Lytic Replication. Journal of Virology, 2013, 87, 3461-3470.	3.4	28
1404	Modulation of epigenetic regulators and cell fate decisions by miRNAs. Epigenomics, 2013, 5, 671-683.	2.1	42
1405	Clusters of microRNAs emerge by new hairpins in existing transcripts. Nucleic Acids Research, 2013, 41, 7745-7752.	14.5	84
1406	Identification of miRNA encoded by <i>Jatropha curcas</i> from EST and GSS. Plant Signaling and Behavior, 2013, 8, e23152.	2.4	31
1407	Needles in the genetic haystack of lipid disorders: single nucleotide polymorphisms in the microRNA regulome. Journal of Lipid Research, 2013, 54, 1168-1173.	4.2	8
1408	Viability, Longevity, and Egg Production of <i>Drosophila melanogaster</i> Are Regulated by the miR-282 microRNA. Genetics, 2013, 195, 469-480.	2.9	41
1409	MicroRNAs in the pathophysiology and treatment of status epilepticus. Frontiers in Molecular Neuroscience, 2013, 6, 37.	2.9	55
1410	MicroRNAs -the Next Generation Therapeutic Targets in Human Diseases. Theranostics, 2013, 3, 930-942.	10.0	68
1412	Not so pseudo anymore: pseudogenes as therapeutic targets. Pharmacogenomics, 2013, 14, 2023-2034.	1.3	33
1413	Basics of Molecular Biology. Advanced Topics in Science and Technology in China, 2013, , 541-601.	0.1	1

#	ARTICLE	IF	CITATIONS
1414	MicroRNA-27a Regulates Lipid Metabolism and Inhibits Hepatitis C Virus Replication in Human Hepatoma Cells. <i>Journal of Virology</i> , 2013, 87, 5270-5286.	3.4	167
1415	Canonical Wnt signaling activates miR-34 expression during osteoblastic differentiation. <i>Molecular Medicine Reports</i> , 2013, 8, 1807-1811.	2.4	27
1416	Epigenetic regulation of muscle phenotype and adaptation: a potential role in COPD muscle dysfunction. <i>Journal of Applied Physiology</i> , 2013, 114, 1263-1272.	2.5	37
1417	STA1, an Arabidopsis pre-mRNA processing factor 6 homolog, is a new player involved in miRNA biogenesis. <i>Nucleic Acids Research</i> , 2013, 41, 1984-1997.	14.5	105
1418	Deciphering the transcriptional regulation of microRNA genes in humans with ACTLocater. <i>Nucleic Acids Research</i> , 2013, 41, e5-e5.	14.5	11
1419	MicroRNAs in the pathogenesis of systemic lupus erythematosus. <i>International Journal of Rheumatic Diseases</i> , 2013, 16, 115-121.	1.9	9
1420	The Function of miRNA in Hepatic Cancer Stem Cell. <i>BioMed Research International</i> , 2013, 2013, 1-9.	1.9	31
1421	Profiling Pre-MicroRNA and Mature MicroRNA Expressions Using a Single Microarray and Avoiding Separate Sample Preparation. <i>Microarrays (Basel, Switzerland)</i> , 2013, 2, 24-33.	1.4	20
1422	miR-Explore: Predicting MicroRNA Precursors by Class Grouping and Secondary Structure Positional Alignment. <i>Bioinformatics and Biology Insights</i> , 2013, 7, BBI.S10758.	2.0	2
1423	Biochemical Basis and Therapeutic Implications of Angiogenesis. , 2013, , .		5
1424	NF90 in Posttranscriptional Gene Regulation and MicroRNA Biogenesis. <i>International Journal of Molecular Sciences</i> , 2013, 14, 17111-17121.	4.1	40
1425	A <scp>MC</scp> motif in silkworm <scp>A</scp>rgonaute 1 is indispensable for translation repression. <i>Insect Molecular Biology</i> , 2013, 22, 320-330.	2.0	13
1426	Genomics of Pattern Recognition Receptors. , 2013, , .		2
1427	ChIPBase: a database for decoding the transcriptional regulation of long non-coding RNA and microRNA genes from ChIP-Seq data. <i>Nucleic Acids Research</i> , 2013, 41, D177-D187.	14.5	293
1428	MicroRNA-24 Suppression of N-Deacetylase/N-Sulfotransferase-1 (NDST1) Reduces Endothelial Cell Responsiveness to Vascular Endothelial Growth Factor A (VEGFA). <i>Journal of Biological Chemistry</i> , 2013, 288, 25956-25963.	3.4	28
1429	Intercellular Communication by Exosome-Derived microRNAs in Cancer. <i>International Journal of Molecular Sciences</i> , 2013, 14, 14240-14269.	4.1	419
1430	miR-125b transcriptionally increased by Nrf2 inhibits AhR repressor, which protects kidney from cisplatin-induced injury. <i>Cell Death and Disease</i> , 2013, 4, e899-e899.	6.3	77
1431	The comprehensive epigenome map of piRNA clusters. <i>Nucleic Acids Research</i> , 2013, 41, 1581-1590.	14.5	29

#	ARTICLE	IF	CITATIONS
1432	Small RNA-mediated regulation of hostâ€“pathogen interactions. <i>Virulence</i> , 2013, 4, 785-795.	4.4	64
1433	Expression of the rice microRNA <i>miR820</i> is associated with epigenetic modifications at its own locus. <i>Genes and Genetic Systems</i> , 2013, 88, 105-112.	0.7	10
1434	Intracellular and Extracellular MicroRNAs in Myocardial Angiogenesis. , 2013, , 163-186.		0
1435	Transcription Factors for Dental Stem Cell Differentiation. <i>International Journal of Oral and Maxillofacial Implants</i> , 2013, 28, e478-e486.	1.4	5
1437	Discovery of novel small RNAs in the quest to unravel genome complexity. <i>Biochemical Society Transactions</i> , 2013, 41, 866-870.	3.4	7
1438	c-Myc modulates microRNA processing via the transcriptional regulation of Drosha. <i>Scientific Reports</i> , 2013, 3, 1942.	3.3	57
1439	Human angiotensinogen +11525 C/A polymorphism modulates its gene expression through microRNA binding. <i>Physiological Genomics</i> , 2013, 45, 901-906.	2.3	24
1440	The Role of Microâ€“Ribonucleic Acids in Legumes with a Focus on Abiotic Stress Response. <i>Plant Genome</i> , 2013, 6, plantgenome2013.05.0013.	2.8	45
1441	MicroRNAs Synergistically Regulate Milk Fat Synthesis in Mammary Gland Epithelial Cells of Dairy Goats. <i>Gene Expression</i> , 2013, 16, 1-13.	1.2	55
1442	miR-21 and its target gene CCL20 are both highly overexpressed in the microenvironment of colorectal tumors: Significance of their regulation. <i>Oncology Reports</i> , 2013, 30, 1285-1292.	2.6	34
1443	miRNA: The nemesis of gastric cancer (Review). <i>Oncology Letters</i> , 2013, 6, 631-641.	1.8	39
1444	Disease-Associated miRNA-mRNA Networks in Oral Lichen Planus. <i>PLoS ONE</i> , 2013, 8, e63015.	2.5	45
1445	Noncoding RNAs in cancer and cancer stem cells. <i>Chinese Journal of Cancer</i> , 2013, 32, 582-593.	4.9	121
1446	MicroRNA Target Identificationâ€“Experimental Approaches. <i>Biology</i> , 2013, 2, 189-205.	2.8	37
1447	Circulating miRNAs: cellâ€“cell communication function?. <i>Frontiers in Genetics</i> , 2013, 4, 119.	2.3	312
1448	Approaches to manipulating microRNAs in neurogenesis. <i>Frontiers in Neuroscience</i> , 2012, 6, 196.	2.8	34
1451	miRNAs in Cancer Prevention and Treatment and as Molecular Targets for Natural Product Anticancer Agents. <i>Current Cancer Drug Targets</i> , 2013, 13, 519-541.	1.6	33
1452	The emerging role of RNA polymerase I transcription machinery in human malignancy: a clinical perspective. <i>OncoTargets and Therapy</i> , 2013, 6, 909.	2.0	18

#	ARTICLE	IF	CITATIONS
1453	In vivo Monitoring of microRNA Biogenesis Using Reporter Gene Imaging. <i>Theranostics</i> , 2013, 3, 1004-1011.	10.0	22
1454	Lentiviral miR30-based RNA Interference against Heparanase Suppresses Melanoma Metastasis with Lower Liver and Lung Toxicity. <i>International Journal of Biological Sciences</i> , 2013, 9, 564-577.	6.4	27
1455	MIR449A (microRNA 449a). <i>Atlas of Genetics and Cytogenetics in Oncology and Haematology</i> , 2013, , .	0.1	2
1456	Identification of miRNAs and their targets in wheat (<i>Triticum aestivum</i> L.) by EST analysis. <i>Genetics and Molecular Research</i> , 2013, 12, 3793-3805.	0.2	18
1457	MicroRNA, Breast Cancer and Green Tea Polyphenon-60. , 2013, , 821-828.		0
1458	MicroRNA-mediated Regulation of Angiogenesis. <i>Current Angiogenesis</i> , 2013, 2, 40-53.	0.1	0
1459	Changes in Innate and Permissive Immune Responses after HBV Transgenic Mouse Vaccination and lLong-Term-siRNA Treatment. <i>PLoS ONE</i> , 2013, 8, e57525.	2.5	7
1460	Histone Deacetylases and NF- κ B Signaling Coordinate Expression of CX3CL1 in Epithelial Cells in Response to Microbial Challenge by Suppressing miR-424 and miR-503. <i>PLoS ONE</i> , 2013, 8, e65153.	2.5	55
1461	Unique and Conserved MicroRNAs in Wheat Chromosome 5D Revealed by Next-Generation Sequencing. <i>PLoS ONE</i> , 2013, 8, e69801.	2.5	41
1462	miR-105 Inhibits Prostate Tumour Growth by Suppressing CDK6 Levels. <i>PLoS ONE</i> , 2013, 8, e70515.	2.5	42
1463	Interleukin-10 Inhibits Lipopolysaccharide Induced miR-155 Precursor Stability and Maturation. <i>PLoS ONE</i> , 2013, 8, e71336.	2.5	34
1464	Epigenetic Regulation and Functional Characterization of MicroRNA-142 in Mesenchymal Cells. <i>PLoS ONE</i> , 2013, 8, e79231.	2.5	20
1465	An RNAi-Based Approach to Down-Regulate a Gene Family In Vivo. <i>PLoS ONE</i> , 2013, 8, e80312.	2.5	2
1466	Genetic Variation in DROSHA 3'UTR Regulated by hsa-miR-27b Is Associated with Bladder Cancer Risk. <i>PLoS ONE</i> , 2013, 8, e81524.	2.5	43
1467	Identification and Functional Analysis of Flowering Related microRNAs in Common Wild Rice (<i>Oryza</i>) Tj ETQqO O O rgBT /Overlock 10 Tf 5	2.5	31
1468	Genetics and epigenetics of arrhythmia and heart failure. <i>Frontiers in Genetics</i> , 2013, 4, 219.	2.3	59
1469	Disruption of the expression and function of microRNAs in lung cancer as a result of epigenetic changes. <i>Frontiers in Genetics</i> , 2013, 4, 275.	2.3	17
1470	Thymic Versus Induced Regulatory T Cells "Who Regulates the Regulators?. <i>Frontiers in Immunology</i> , 2013, 4, 169.	4.8	74

#	ARTICLE	IF	CITATIONS
1471	MicroRNAs and intellectual disability (ID) in Down syndrome, X-linked ID, and Fragile X syndrome. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 41.	3.7	35
1472	Simultaneous Detection of Different MicroRNA Types Using the ZIP-Code Array System. <i>Journal of Nucleic Acids</i> , 2013, 2013, 1-13.	1.2	5
1473	Advances with microRNAs in Parkinson’s disease research. <i>Drug Design, Development and Therapy</i> , 2013, 7, 1103.	4.3	37
1474	MiRNA and Proline Metabolism in Cancer. , 2013, , .		1
1475	miR-20b, miR-98, miR-125b-1*, and let-7e* as new potential diagnostic biomarkers in ulcerative colitis. <i>World Journal of Gastroenterology</i> , 2013, 19, 4289.	3.3	81
1476	MicroRNAome of Vascular Smooth Muscle Cells: Potential for MicroRNA-Based Vascular Therapies. , 2013, , .		2
1477	Role of MicroRNAs in Cardiovascular Calcification. , 0, , .		2
1478	MicroRNAs and Long Non-Coding RNAs in Pancreatic Beta Cell Function. , 2014, , 379-392.		0
1479	In Silico Prediction and In Vivo Validation of Daphnia pulex Micrnas. <i>PLoS ONE</i> , 2014, 9, e83708.	2.5	8
1480	Identifying MicroRNAs and Transcript Targets in Jatropha Seeds. <i>PLoS ONE</i> , 2014, 9, e83727.	2.5	35
1481	Improved Annotation of 3â€² Untranslated Regions and Complex Loci by Combination of Strand-Specific Direct RNA Sequencing, RNA-Seq and ESTs. <i>PLoS ONE</i> , 2014, 9, e94270.	2.5	27
1482	Rapid and Efficient Isolation of High-Quality Small RNAs from Recalcitrant Plant Species Rich in Polyphenols and Polysaccharides. <i>PLoS ONE</i> , 2014, 9, e95687.	2.5	34
1483	Extending the sRNAome of Apple by Next-Generation Sequencing. <i>PLoS ONE</i> , 2014, 9, e95782.	2.5	17
1484	Systemic RNAi Delivery to the Muscles of ROSA26 Mice Reduces lacZ Expression. <i>PLoS ONE</i> , 2014, 9, e102053.	2.5	2
1485	Gene Silencing Mediated by Endogenous MicroRNAs under Heat Stress Conditions in Mammalian Cells. <i>PLoS ONE</i> , 2014, 9, e103130.	2.5	15
1486	Mature MiRNAs Form Secondary Structure, which Suggests Their Function beyond RISC. <i>PLoS ONE</i> , 2014, 9, e113848.	2.5	41
1487	Discovery of Novel Leaf Rust Responsive microRNAs in Wheat and Prediction of Their Target Genes. <i>Journal of Nucleic Acids</i> , 2014, 2014, 1-12.	1.2	28
1488	Challenges and Opportunities of MicroRNAs in Lymphomas. <i>Molecules</i> , 2014, 19, 14723-14781.	3.8	26

#	ARTICLE	IF	CITATIONS
1489	MicroRNAs regulate neuronal plasticity and are involved in pain mechanisms. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 31.	3.7	48
1490	MicroRNAs Regulation by Nutrients, the New Ray of Hope in Obesity Related Glucose and Lipid Metabolic Disorders. <i>Journal of Metabolic Syndrome</i> , 2014, 03, .	0.1	0
1491	Role of MicroRNA Molecules in Colon Cancer Etiology. <i>Biology and Medicine (Aligarh)</i> , 2014, 06, .	0.3	1
1492	In silico mining of micro-RNAs from <i>Spodoptera frugiperda</i> (Smith) (Lepidoptera: Noctuidae). <i>African Journal of Biotechnology</i> , 2014, 13, 32-43.	0.6	1
1493	MicroRNAs as Main Players in the Pathogenesis of Chronic Lymphocytic Leukemia. <i>MicroRNA (Shariqah)</i> , Tj ETQq0 Q.0 rgBT /Qverlock 10	1.2	19
1494	Sp1-mediated microRNA-182 expression regulates lung cancer progression. <i>Oncotarget</i> , 2014, 5, 740-753.	1.8	71
1495	MicroRNAs: Modulators of Cell Identity, and their Applications in Tissue Engineering. <i>MicroRNA (Shariqah, United Arab Emirates)</i> , 2014, 3, 45-53.	1.2	44
1496	MicroRNAs as controlled systems and controllers in non-alcoholic fatty liver disease. <i>World Journal of Gastroenterology</i> , 2014, 20, 15079.	3.3	51
1497	microRNAs in heart failure. <i>Chinese Medical Journal</i> , 2014, 127, 3328-3334.	2.3	1
1498	Identification and comparative analysis of the <i>Pseudosciaena crocea</i> microRNA transcriptome response to poly(I:C) infection using a deep sequencing approach. <i>Fish and Shellfish Immunology</i> , 2014, 39, 483-491.	3.6	24
1499	Epigenetically regulated MIR941 and MIR1247 target gastric cancer cell growth and migration. <i>Epigenetics</i> , 2014, 9, 1018-1030.	2.7	32
1500	Integrating non-coding RNAs in JAK-STAT regulatory networks. <i>Jak-stat</i> , 2014, 3, e28055.	2.2	26
1501	Computational identification of conserved microRNAs and their targets from expression sequence tags of blueberry (<i>Vaccinium corybosum</i>). <i>Plant Signaling and Behavior</i> , 2014, 9, e29462.	2.4	14
1502	The diversity of small non-coding RNAs in the diatom <i>Phaeodactylum tricornutum</i> . <i>BMC Genomics</i> , 2014, 15, 698.	2.8	40
1503	MicroRNA-34 family expression in bovine gametes and preimplantation embryos. <i>Reproductive Biology and Endocrinology</i> , 2014, 12, 85.	3.3	63
1504	Dissecting the chromatin interactome of microRNA genes. <i>Nucleic Acids Research</i> , 2014, 42, 3028-3043.	14.5	27
1505	Mechanism of Action of Phenethylisothiocyanate and Other Reactive Oxygen Species-Inducing Anticancer Agents. <i>Molecular and Cellular Biology</i> , 2014, 34, 2382-2395.	2.3	100
1506	miRNA-based therapies: strategies and delivery platforms for oligonucleotide and non-oligonucleotide agents. <i>Future Medicinal Chemistry</i> , 2014, 6, 1967-1984.	2.3	229

#	ARTICLE	IF	CITATIONS
1507	Versatile microRNA biogenesis in animals and their viruses. RNA Biology, 2014, 11, 673-681.	3.1	52
1508	The elimination of miR-23a in heat-stressed cells promotes NOXA-induced cell death and is prevented by HSP70. Cell Death and Disease, 2014, 5, e1546-e1546.	6.3	24
1509	The ARF tumor-suppressor controls Drosha translation to prevent Ras-driven transformation. Oncogene, 2014, 33, 300-307.	5.9	14
1510	Role of miRNAs and epigenetics in neural stem cell fate determination. Epigenetics, 2014, 9, 90-100.	2.7	46
1511	Small noncoding <scp>RNAs</scp> and male infertility. Wiley Interdisciplinary Reviews RNA, 2014, 5, 733-745.	6.4	24
1512	MicroRNAs-Role in Lung Cancer. Disease Markers, 2014, 2014, 1-13.	1.3	62
1513	Potential of epigenetic therapies in non-cancerous conditions. Frontiers in Genetics, 2014, 5, 438.	2.3	32
1515	A non-canonical landscape of the microRNA system. Frontiers in Genetics, 2014, 5, 337.	2.3	49
1516	Noncoding RNAs regulate NF- κ B signaling to modulate blood vessel inflammation. Frontiers in Genetics, 2014, 5, 422.	2.3	70
1517	Non-Coding RNAs and Lipid Metabolism. International Journal of Molecular Sciences, 2014, 15, 13494-13513.	4.1	26
1518	LIN-42, the Caenorhabditis elegans PERIOD homolog, Negatively Regulates MicroRNA Transcription. PLoS Genetics, 2014, 10, e1004486.	3.5	39
1519	Noncoding RNAs and the control of hormonal signaling via nuclear receptor regulation. Journal of Molecular Endocrinology, 2014, 53, R61-R70.	2.5	10
1520	MicroRNA Roles in the NF- κ B Signaling Pathway during Viral Infections. BioMed Research International, 2014, 2014, 1-8.	1.9	29
1521	MicroRNAs: Promising New Antiangiogenic Targets in Cancer. BioMed Research International, 2014, 2014, 1-14.	1.9	48
1522	Pre-miR-146a (rs2910164 G>C) Single Nucleotide Polymorphism Is Genetically and Functionally Associated with Leprosy. PLoS Neglected Tropical Diseases, 2014, 8, e3099.	3.0	29
1523	MicroRNAs, Major Players in B Cells Homeostasis and Function. Frontiers in Immunology, 2014, 5, 98.	4.8	45
1524	Mechanisms of miRNA-Mediated Gene Regulation from Common Downregulation to mRNA-Specific Upregulation. International Journal of Genomics, 2014, 2014, 1-15.	1.6	424
1525	microRNAs in the onset and development of cardiovascular disease. Clinical Science, 2014, 126, 183-194.	4.3	94

#	ARTICLE	IF	CITATIONS
1526	Progress and challenge of microRNA research in immunity. <i>Frontiers in Genetics</i> , 2014, 5, 178.	2.3	89
1527	Molecular basis of cancer-therapy-induced cardiotoxicity: introducing microRNA biomarkers for early assessment of subclinical myocardial injury. <i>Clinical Science</i> , 2014, 126, 377-400.	4.3	40
1528	Genetic Networks Lead and Follow Tumor Development: MicroRNA Regulation of Cell Cycle and Apoptosis in the p53 Pathways. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	35
1529	DNA Methylation Is Involved in the Expression of miR-142-3p in Fibroblasts and Induced Pluripotent Stem Cells. <i>Stem Cells International</i> , 2014, 2014, 1-8.	2.5	8
1530	Noncoding RNAs and cancer. <i>Turkish Journal of Biology</i> , 2014, 38, 817-828.	0.8	5
1531	Molecular Mechanisms Underlying the Role of MicroRNAs in the Chemoresistance of Pancreatic Cancer. <i>BioMed Research International</i> , 2014, 2014, 1-17.	1.9	42
1532	MicroRNAs in the Regulation of MMPs and Metastasis. <i>Cancers</i> , 2014, 6, 625-645.	3.7	55
1533	Regulation of MicroRNAs by Natural Agents: New Strategies in Cancer Therapies. <i>BioMed Research International</i> , 2014, 2014, 1-17.	1.9	112
1534	miR-139 regulates the proliferation and invasion of hepatocellular carcinoma through the WNT/TCF-4 pathway. <i>Oncology Reports</i> , 2014, 31, 397-404.	2.6	64
1536	A Methylation-Based Regulatory Network for MicroRNA 320a in Chemoresistant Breast Cancer. <i>Molecular Pharmacology</i> , 2014, 86, 536-547.	2.3	54
1537	miRNA biogenesis: Biological impact in the development of cancer. <i>Cancer Biology and Therapy</i> , 2014, 15, 1444-1455.	3.4	205
1538	MicroRNAs: are they the missing link between hypoxia and pre-eclampsia?. <i>Hypertension in Pregnancy</i> , 2014, 33, 102-114.	1.1	26
1539	Development of gene therapy for treatment of age-related macular degeneration. <i>Acta Ophthalmologica</i> , 2014, 92, 1-38.	1.1	22
1540	Development of microRNA therapeutics is coming of age. <i>EMBO Molecular Medicine</i> , 2014, 6, 851-864.	6.9	526
1541	Small RNA regulation of reproductive function. <i>Molecular Reproduction and Development</i> , 2014, 81, 148-159.	2.0	44
1542	MicroRNA regulation of proteoglycan function in cancer. <i>FEBS Journal</i> , 2014, 281, 5009-5022.	4.7	53
1543	Expression patterns of microRNAs in different organs and developmental stages of a superhybrid rice <i>LYP9</i> and its parental lines. <i>Plant Biology</i> , 2014, 16, 878-887.	3.8	1
1544	Viral RNA recognition by the <i>Drosophila</i> small interfering RNA pathway. <i>Microbes and Infection</i> , 2014, 16, 1013-1021.	1.9	11

#	ARTICLE	IF	CITATIONS
1545	Role of MicroRNAs in the Trabecular Meshwork. Journal of Ocular Pharmacology and Therapeutics, 2014, 30, 128-137.	1.4	32
1546	Molecular Mechanisms Underpinning the Development of Obesity. , 2014, , .		6
1547	<i>miR-106b-25/miR-17-92</i> clusters: Polycistrons with oncogenic roles in hepatocellular carcinoma. World Journal of Gastroenterology, 2014, 20, 5962.	3.3	90
1548	MicroRNAs in Alcohol Abuse and Toxicity. , 2014, , 497-521.		1
1549	Glycogen synthase kinase 3 beta inhibits microRNA-183-96-182 cluster via the β -Catenin/TCF/LEF-1 pathway in gastric cancer cells. Nucleic Acids Research, 2014, 42, 2988-2998.	14.5	79
1550	Long-term climbing fibre activity induces transcription of microRNAs in cerebellar Purkinje cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130508.	4.0	9
1551	Genetic variants of MicroRNA-related genes in susceptibility and prognosis of end-stage renal disease and renal allograft outcome among north Indians. Pharmacogenetics and Genomics, 2014, 24, 442-450.	1.5	14
1552	Cellular microRNAs and Picornaviral Infections. RNA Biology, 2014, 11, 808-816.	3.1	10
1553	Non-coding RNAs in epithelial immunity to <i>Cryptosporidium</i> infection. Parasitology, 2014, 141, 1233-1243.	1.5	38
1554	Biogenesis and Physiology of MicroRNAs. , 2014, , 5-24.		16
1555	Environmental exposures in utero and microRNA. Current Opinion in Pediatrics, 2014, 26, 243-251.	2.0	12
1556	MicroRNAs in gastrointestinal malignancy. European Journal of Cancer Prevention, 2014, 23, 540-549.	1.3	4
1557	MicroRNA modulation of key targets associated with T cell exhaustion in HIV-1 infection. Current Opinion in HIV and AIDS, 2014, 9, 464-471.	3.8	19
1558	Gene Profiling, Energy Metabolism, and Remodeling of the Failing Heart. , 2014, , 429-470.		0
1559	MiR-138 downregulates miRNA processing in HeLa cells by targeting RMND5A and decreasing Exportin-5 stability. Nucleic Acids Research, 2014, 42, 458-474.	14.5	41
1560	MicroRNAs and Ethanol Toxicity. International Review of Neurobiology, 2014, 115, 245-284.	2.0	28
1561	Omics Approaches in Breast Cancer. , 2014, , .		10
1562	Breast Cancer MicroRNAs: Clinical Biomarkers for the Diagnosis and Treatment Strategies. , 2014, , 171-182.		3

#	ARTICLE	IF	CITATIONS
1563	MiRiad Roles for MicroRNAs in Cardiac Development and Regeneration. <i>Cells</i> , 2014, 3, 724-750.	4.1	21
1564	microRNAs and Cardiac Cell Fate. <i>Cells</i> , 2014, 3, 802-823.	4.1	38
1565	Regulation of Cardiac Cell Fate by microRNAs: Implications for Heart Regeneration. <i>Cells</i> , 2014, 3, 996-1026.	4.1	25
1566	MicroRNAs Expression Profiles in Cardiovascular Diseases. <i>BioMed Research International</i> , 2014, 2014, 1-23.	1.9	147
1567	microRNA therapies in cancer. <i>Molecular and Cellular Therapies</i> , 2014, 2, 7.	0.2	99
1568	MicroRNAs in Cancer. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2014, 9, 287-314.	22.4	1,445
1569	Differential methylation of the microRNA 7b gene targets postnatal maturation of murine neuronal <i>Mecp2</i> gene expression. <i>Developmental Neurobiology</i> , 2014, 74, 407-425.	3.0	15
1570	Identification and characterization of microRNAs in the crab-eating macaque (<i>Macaca fascicularis</i>) using transcriptome analysis. <i>Gene</i> , 2014, 536, 308-315.	2.2	3
1571	MicroRNA-29b regulation of abdominal aortic aneurysm development. <i>Trends in Cardiovascular Medicine</i> , 2014, 24, 1-6.	4.9	36
1572	MicroRNAs in Neuronal Communication. <i>Molecular Neurobiology</i> , 2014, 49, 1309-26.	4.0	57
1573	Epigenetic Regulation of microRNAs in Gastric Cancer. <i>Digestive Diseases and Sciences</i> , 2014, 59, 716-723.	2.3	33
1574	An electrochemiluminescent microRNA biosensor based on hybridization chain reaction coupled with hemin as the signal enhancer. <i>Analyst</i> , 2014, 139, 2748-2753.	3.5	30
1575	The novel miR-9500 regulates the proliferation and migration of human lung cancer cells by targeting Akt1. <i>Cell Death and Differentiation</i> , 2014, 21, 1150-1159.	11.2	29
1576	MicroRNAs and SerpinB3 in hepatocellular carcinoma. <i>Life Sciences</i> , 2014, 100, 9-17.	4.3	15
1577	MIR-200, a new star miRNA in human cancer. <i>Cancer Letters</i> , 2014, 344, 166-173.	7.2	303
1578	Seasonal variation of urinary microRNA expression in male goats (<i>Capra hircus</i>) as assessed by next generation sequencing. <i>General and Comparative Endocrinology</i> , 2014, 199, 1-15.	1.8	10
1579	Ionizing radiation induced biological effects in three-dimensional cell cultures. <i>Rendiconti Lincei</i> , 2014, 25, 81-86.	2.2	6
1580	Regulatory non-coding RNAs: revolutionizing the RNA world. <i>Molecular Biology Reports</i> , 2014, 41, 3915-3923.	2.3	54

#	ARTICLE	IF	CITATIONS
1581	RNA interference: concept to reality in crop improvement. <i>Planta</i> , 2014, 239, 543-564.	3.2	185
1582	The role of microRNAs in hepatocarcinogenesis: current knowledge and future prospects. <i>Journal of Gastroenterology</i> , 2014, 49, 173-184.	5.1	31
1583	Identification and characterization of the microRNA transcriptome of a moth orchid <i>Phalaenopsis aphrodite</i> . <i>Plant Molecular Biology</i> , 2014, 84, 529-548.	3.9	38
1584	Analysis of promoters of microRNAs from a <i>Glycine max</i> degradome library. <i>Journal of Zhejiang University: Science B</i> , 2014, 15, 125-132.	2.8	13
1585	MicroRNA miR-378 promotes BMP2-induced osteogenic differentiation of mesenchymal progenitor cells. <i>BMC Molecular Biology</i> , 2014, 15, 1.	3.0	67
1586	The panorama of miRNA-mediated mechanisms in mammalian cells. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 2253-2270.	5.4	88
1587	Comparative studies of Toll-like receptor signalling using zebrafish. <i>Developmental and Comparative Immunology</i> , 2014, 46, 35-52.	2.3	75
1588	Regulation of microRNAs in cancer metastasis. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2014, 1845, 255-265.	7.4	132
1589	The role of miR-148a in gastric cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2014, 140, 1451-1456.	2.5	52
1590	RNA Sequence, Structure, and Function: Computational and Bioinformatic Methods. <i>Methods in Molecular Biology</i> , 2014, , .	0.9	14
1591	<scp>miRNA</scp>Âsponges:ÂsoakingÂupÂ<scp>miRNAs</scp> for regulation of gene expression. <i>Wiley Interdisciplinary Reviews RNA</i> , 2014, 5, 317-333.	6.4	199
1592	Type 2 diabetes mellitusâ€related genetic polymorphisms in <scp>microRNAs</scp> and <scp>microRNA</scp> target sites (MicroRNAsâ„Ž2âžć3-â°¿ç—...ç,â...3çš„âŸ°â»ăšæ€æ€šămicroRNAé¶1/2). <i>Journal of Diabetes</i> , 2014, 18, 41	1.8	41
1593	Hypoxia and Cancer. <i>Cancer Drug Discovery and Development</i> , 2014, , .	0.4	7
1594	Elements and machinery of nonâ€coding <scp>RNA</scp> s: toward their taxonomy. <i>EMBO Reports</i> , 2014, 15, 489-507.	4.5	84
1595	Emerging Roles of Non-Coding RNAs in the Hypoxic Response. <i>Cancer Drug Discovery and Development</i> , 2014, , 43-64.	0.4	3
1596	The emerging role of miRâ€375 in cancer. <i>International Journal of Cancer</i> , 2014, 135, 1011-1018.	5.1	203
1597	miRNA Biogenesis and Function. , 2014, , 3-28.		3
1600	Role of miRNAs in Abiotic and Biotic Stresses in Plants. , 2014, , 181-207.		2

#	ARTICLE	IF	CITATIONS
1601	Endogenous Small RNA Clusters in Plants. Genomics, Proteomics and Bioinformatics, 2014, 12, 64-71.	6.9	24
1602	miRNA423-5p regulates cell proliferation and invasion by targeting trefoil factor 1 in gastric cancer cells. Cancer Letters, 2014, 347, 98-104.	7.2	79
1603	Synthesis and characterization of a highly stable poly (3,4-ethylenedioxythiophene)-gold nanoparticles composite film and its application to electrochemical dopamine sensors. RSC Advances, 2014, 4, 8415-8420.	3.6	13
1604	Directed polymerase evolution. FEBS Letters, 2014, 588, 219-229.	2.8	57
1605	HypoxamiR Regulation and Function in Ischemic Cardiovascular Diseases. Antioxidants and Redox Signaling, 2014, 21, 1202-1219.	5.4	79
1606	Gene regulation by non-coding RNAs. Critical Reviews in Biochemistry and Molecular Biology, 2014, 49, 16-32.	5.2	140
1607	Biogenesis of intronic miRNAs located in clusters by independent transcription and alternative splicing. Rna, 2014, 20, 76-87.	3.5	116
1608	Viral Vector Approaches in Neurobiology and Brain Diseases. Neuromethods, 2014, , .	0.3	0
1609	Stable RNA interference rules for silencing. Nature Cell Biology, 2014, 16, 10-18.	10.3	153
1610	All-trans retinoic acid (ATRA) induces miR-23a expression, decreases CTSC expression and granzyme B activity leading to impaired NK cell cytotoxicity. International Journal of Biochemistry and Cell Biology, 2014, 49, 42-52.	2.8	37
1611	Plant miRNAome and antiviral resistance: a retrospective view and prospective challenges. Virus Genes, 2014, 48, 1-14.	1.6	36
1612	Transcriptional fine-tuning of microRNA-223 levels directs lineage choice of human hematopoietic progenitors. Cell Death and Differentiation, 2014, 21, 290-301.	11.2	57
1613	Lentiviral Vector-Mediated RNA Silencing in the Central Nervous System. Human Gene Therapy Methods, 2014, 25, 14-32.	2.1	25
1614	NF- κ B target microRNAs and their target genes in TNF α -stimulated HeLa Cells. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2014, 1839, 344-354.	1.9	45
1615	Introduction to MicroRNAs in Biological Systems. Methods in Molecular Biology, 2014, 1107, 1-14.	0.9	38
1616	miR-210: Fine-Tuning the Hypoxic Response. Advances in Experimental Medicine and Biology, 2014, 772, 205-227.	1.6	101
1617	Emerging roles of miR-210 and other non-coding RNAs in the hypoxic response. Acta Biochimica Et Biophysica Sinica, 2014, 46, 220-232.	2.0	72
1618	Intelligent Strategies for Pathway Mining. Lecture Notes in Computer Science, 2014, , .	1.3	0

#	ARTICLE	IF	CITATIONS
1619	MicroRNA-124 (miR-124) Regulates Ku70 Expression and is Correlated with Neuronal Death Induced by Ischemia/Reperfusion. <i>Journal of Molecular Neuroscience</i> , 2014, 52, 148-155.	2.3	94
1620	Tumor Microenvironment and Cellular Stress. <i>Advances in Experimental Medicine and Biology</i> , 2014, 772, v-viii.	1.6	29
1621	miRNomics: MicroRNA Biology and Computational Analysis. <i>Methods in Molecular Biology</i> , 2014, , .	0.9	15
1622	Nematode endogenous small RNA pathways. <i>Worm</i> , 2014, 3, e28234.	1.0	26
1623	Human aldosterone synthase gene polymorphism promotes miRNA binding and regulates gene expression. <i>Physiological Genomics</i> , 2014, 46, 860-865.	2.3	16
1624	Role of microRNA machinery in kidney fibrosis. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 543-550.	1.9	24
1625	The use of microRNA by human viruses: lessons from NK cells and HCMV infection. <i>Seminars in Immunopathology</i> , 2014, 36, 659-674.	6.1	13
1626	City block distance and rough-fuzzy clustering for identification of co-expressed microRNAs. <i>Molecular BioSystems</i> , 2014, 10, 1509-1523.	2.9	19
1627	Computational Prediction of MicroRNAs from <i>Toxoplasma gondii</i> Potentially Regulating the Hostsâ€™ Gene Expression. <i>Genomics, Proteomics and Bioinformatics</i> , 2014, 12, 228-238.	6.9	38
1628	RARs and MicroRNAs. <i>Sub-Cellular Biochemistry</i> , 2014, 70, 151-179.	2.4	14
1630	Nucleic acid therapeutics: basic concepts and recent developments. <i>RSC Advances</i> , 2014, 4, 16618.	3.6	73
1631	MicroRNA and signaling pathways in gastric cancer. <i>Cancer Gene Therapy</i> , 2014, 21, 305-316.	4.6	51
1632	Detection of 1Î±,25-Dihydroxyvitamin D-Regulated miRNAs in Zebrafish by Whole Transcriptome Sequencing. <i>Zebrafish</i> , 2014, 11, 207-218.	1.1	14
1633	Natural genetic variation in MIR172 isolated from Brassica species. <i>Biologia Plantarum</i> , 2014, 58, 627-640.	1.9	12
1634	Aberrant Regulation and Function of MicroRNAs in Cancer. <i>Current Biology</i> , 2014, 24, R762-R776.	3.9	408
1635	Inheritable changes in miRNAs expression in HeLa cells after X-ray and mitomycin C treatment. <i>Russian Journal of Genetics</i> , 2014, 50, 798-806.	0.6	6
1636	The Potential Role of SRY in Epigenetic Gene Regulation During Brain Sexual Differentiation in Mammals. <i>Advances in Genetics</i> , 2014, 86, 135-165.	1.8	25
1637	Small RNAs in Plants. , 2014, , 95-127.		5

#	ARTICLE	IF	CITATIONS
1638	MicroRNA-302a inhibits adipogenesis by suppressing peroxisome proliferator-activated receptor β expression. <i>FEBS Letters</i> , 2014, 588, 3427-3434.	2.8	34
1639	microRNA Expression and Biogenesis in Cellular Response to Ionizing Radiation. <i>DNA and Cell Biology</i> , 2014, 33, 667-679.	1.9	32
1641	Biogenesis of Plant MicroRNAs. <i>The Journal of Northeast Agricultural University</i> , 2014, 21, 84-96.	0.1	11
1642	Goat Activin Receptor Type IIB Knockdown by Artificial MicroRNAs In Vitro. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 424-436.	2.9	4
1643	Identification of regulatory elements directing miR-23a-miR-27a-miR-24-2 transcriptional regulation in response to muscle hypertrophic stimuli. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2014, 1839, 885-897.	1.9	28
1644	miRNAs and genes expression in MARC-145 cell in response to PRRSV infection. <i>Infection, Genetics and Evolution</i> , 2014, 27, 173-180.	2.3	19
1645	Ancient Endo-siRNA Pathways Reveal New Tricks. <i>Current Biology</i> , 2014, 24, R703-R715.	3.9	66
1646	Discovery and characterization of miRNA during cellular senescence in bone marrow-derived human mesenchymal stem cells. <i>Experimental Gerontology</i> , 2014, 58, 139-145.	2.8	39
1647	MicroRNA networks in regulatory T cells. <i>Journal of Physiology and Biochemistry</i> , 2014, 70, 869-875.	3.0	14
1648	Hypoxia represses microRNA biogenesis proteins in breast cancer cells. <i>BMC Cancer</i> , 2014, 14, 533.	2.6	35
1649	Regulation of microRNA biogenesis. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 509-524.	37.0	4,396
1650	MicroRNAs: short non-coding players in cancer chemoresistance. <i>Molecular and Cellular Therapies</i> , 2014, 2, 16.	0.2	31
1651	Cell-free nucleic acids as non-invasive biomarkers of gynecological cancers, ovarian, endometrial and obstetric disorders and fetal aneuploidy. <i>Human Reproduction Update</i> , 2014, 20, 905-923.	10.8	53
1652	MicroRNAs Expression and Function in Cerebral Ischemia Reperfusion Injury. <i>Journal of Molecular Neuroscience</i> , 2014, 53, 242-250.	2.3	105
1653	Identification and characterization of microRNAs in the flag leaf and developing seed of wheat (<i>Triticum aestivum</i> L.). <i>BMC Genomics</i> , 2014, 15, 289.	2.8	95
1654	Regulation of gene expression by microRNA in HCV infection and HCV-mediated hepatocellular carcinoma. <i>Virology Journal</i> , 2014, 11, 64.	3.4	43
1656	Association between SNPs in miRNA-machinery genes and chronic hepatitis B in the Chinese Han population. <i>Infection, Genetics and Evolution</i> , 2014, 28, 113-117.	2.3	11
1657	Dynamic miRNA expression patterns during retinal regeneration in zebrafish: Reduced dicer or miRNA expression suppresses proliferation of Müller Glia-derived neuronal progenitor cells. <i>Developmental Dynamics</i> , 2014, 243, 1591-1605.	1.8	38

#	ARTICLE	IF	CITATIONS
1658	MicroRNA processing machinery in the developing chick embryo. <i>Gene Expression Patterns</i> , 2014, 16, 114-121.	0.8	4
1659	The Central Role of Noncoding RNA in the Brain. <i>International Review of Neurobiology</i> , 2014, 116, 153-194.	2.0	70
1660	Role of Flow-Sensitive microRNAs in Endothelial Dysfunction and Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2206-2216.	2.4	230
1661	MicroRNA-451 suppresses tumor cell growth by down-regulating IL6R gene expression. <i>Cancer Epidemiology</i> , 2014, 38, 85-92.	1.9	45
1662	Mutant p53 exerts oncogenic effects through microRNAs and their target gene networks. <i>FEBS Letters</i> , 2014, 588, 2610-2615.	2.8	28
1663	miR-17 is involved in the regulation of LC-PUFA biosynthesis in vertebrates: Effects on liver expression of a fatty acyl desaturase in the marine teleost <i>Siganus canaliculatus</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 934-943.	2.4	33
1664	MicroRNAs as potential biomarkers in diseases and toxicology. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 764-765, 46-57.	1.7	53
1665	The miRNA-Mediated Cross-Talk between Transcripts Provides a Novel Layer of Posttranscriptional Regulation. <i>Advances in Genetics</i> , 2014, 85, 149-199.	1.8	29
1666	microRNAs: a new class of breast cancer biomarkers. <i>Expert Review of Molecular Diagnostics</i> , 2014, 14, 347-363.	3.1	36
1667	Identification and characterization of a subset of microRNAs in wheat (<i>Triticum aestivum</i> L.). <i>Genomics</i> , 2014, 103, 298-307.	2.9	22
1668	MicroRNAs: potential therapeutic targets in diabetic complications of the cardiovascular and renal systems. <i>Acta Physiologica</i> , 2014, 211, 491-500.	3.8	28
1669	MicroRNAs and spermatogenesis. <i>Fertility and Sterility</i> , 2014, 101, 1552-1562.	1.0	232
1670	E2F1-regulated DROSHA promotes miR-630 biosynthesis in cisplatin-exposed cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 470-475.	2.1	14
1671	Polyploidy and small RNA regulation of cotton fiber development. <i>Trends in Plant Science</i> , 2014, 19, 516-528.	8.8	68
1672	MicroRNA and diseases: Therapeutic potential as new generation of drugs. <i>Biochimie</i> , 2014, 104, 12-26.	2.6	47
1673	The role of microRNAs in the regulation of cancer stem cells. <i>Frontiers in Genetics</i> , 2014, 4, 295.	2.3	128
1674	Small Engine, Big Power: MicroRNAs as Regulators of Cardiac Diseases and Regeneration. <i>International Journal of Molecular Sciences</i> , 2014, 15, 15891-15911.	4.1	47
1675	The Role of microRNA in Head and Neck Cancer: Current Knowledge and Perspectives. <i>Molecules</i> , 2014, 19, 5704-5716.	3.8	35

#	ARTICLE	IF	CITATIONS
1676	MicroRNAs Related to Polycystic Ovary Syndrome (PCOS). <i>Genes</i> , 2014, 5, 684-708.	2.4	124
1677	MiR-183/-96/-182 cluster is up-regulated in most breast cancers and increases cell proliferation and migration. <i>Breast Cancer Research</i> , 2014, 16, 473.	5.0	147
1678	MicroRNAs: role and therapeutic targets in viral hepatitis. <i>Antiviral Therapy</i> , 2014, 19, 533-541.	1.0	10
1681	MicroRNA-23a mediates post-transcriptional regulation of CXCL12 in bone marrow stromal cells. <i>Haematologica</i> , 2014, 99, 997-1005.	3.5	28
1682	An approach to identify the novel miRNA encoded from H. Annuus EST sequences. <i>Genomics Data</i> , 2015, 6, 139-144.	1.3	15
1683	Dynamic miRNA-mRNA paradigms: New faces of miRNAs. <i>Biochemistry and Biophysics Reports</i> , 2015, 4, 337-341.	1.3	48
1684	MicroRNAs in renal cell carcinoma: A systematic review of clinical implications (Review). <i>Oncology Reports</i> , 2015, 33, 1571-1578.	2.6	75
1685	Splicing noncoding <scp>RNAs</scp> from the inside out. <i>Wiley Interdisciplinary Reviews RNA</i> , 2015, 6, 651-660.	6.4	45
1686	Dengue virus infection alters post-transcriptional modification of microRNAs in the mosquito vector <i>Aedes aegypti</i> . <i>Scientific Reports</i> , 2015, 5, 15968.	3.3	31
1687	MicroRNA-197 reverses the drug resistance of fluorouracil-induced SGC7901 cells by targeting mitogen-activated protein kinase 1. <i>Molecular Medicine Reports</i> , 2015, 12, 5019-5025.	2.4	24
1688	Therapeutic Potential of microRNAs. , 2015, , 543-564.		0
1689	Role of <i>miR-140</i> in embryonic bone development and cancer. <i>Clinical Science</i> , 2015, 129, 863-873.	4.3	24
1690	Magnetic Resonance Imaging Application in the Area of Mild and Acute Traumatic Brain Injury: Implication for Diagnostic Markers?. , 2015, , 358-369.		4
1691	MicroRNA-522 reverses drug resistance of doxorubicin-induced HT29 colon cancer cell by targeting ABCB5. <i>Molecular Medicine Reports</i> , 2015, 12, 3930-3936.	2.4	29
1692	Primary microRNA processing is functionally coupled to RNAP II transcription in vitro. <i>Scientific Reports</i> , 2015, 5, 11992.	3.3	15
1694	Transcription factor p63 bookmarks and regulates dynamic enhancers during epidermal differentiation. <i>EMBO Reports</i> , 2015, 16, 863-878.	4.5	134
1695	miRNAs: Key Players in Neurodegenerative Disorders and Epilepsy. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 563-580.	2.6	107
1696	Multiple Roles of MicroRNA-100 in Human Cancer and its Therapeutic Potential. <i>Cellular Physiology and Biochemistry</i> , 2015, 37, 2143-2159.	1.6	67

#	ARTICLE	IF	CITATIONS
1697	miRNA Expression Analyses in Prostate Cancer Clinical Tissues. Journal of Visualized Experiments, 2015, , .	0.3	14
1698	RBMMMDA: predicting multiple types of disease-microRNA associations. Scientific Reports, 2015, 5, 13877.	3.3	154
1699	Sulindac sulfide inhibits colon cancer cell growth and downregulates specificity protein transcription factors. BMC Cancer, 2015, 15, 974.	2.6	27
1700	MicroRNA profiles reveal female allotetraploid hybrid fertility. BMC Genetics, 2015, 16, 119.	2.7	9
1701	Noncoding RNAs, post-transcriptional RNA operons and Chinese hamster ovary cells. Pharmaceutical Bioprocessing, 2015, 3, 227-247.	0.8	15
1702	Targeting MicroRNAs in Prevention and Treatment of Neurodegenerative Disorders. Drug Development Research, 2015, 76, 397-418.	2.9	25
1703	Mini but mighty: micro<scp>RNA</scp>s in the pathobiology of periodontal disease. Periodontology 2000, 2015, 69, 201-220.	13.4	57
1704	Noncoding <scp>RNA</scp> control of cellular senescence. Wiley Interdisciplinary Reviews RNA, 2015, 6, 615-629.	6.4	71
1705	Micro-ribonucleic acid and carcinogenesis: breast cancer as an example. Oncology Reviews, 2015, 9, 279.	1.8	5
1706	MicroRNAs in Prostate Cancer: Small RNAs with Big Roles. Journal of Clinical & Cellular Immunology, 2015, 06, .	1.5	0
1707	MicroRNAs: Potential Diagnostic and Therapeutic Targets for Breast Cancer. Epigenetic Diagnosis & Therapy, 2015, 1, 60-71.	0.1	0
1708	Epigenetic influences on the developing brain: effects of hormones and nutrition. Advances in Genomics and Genetics, 0, , 215.	0.8	3
1709	The role of microRNAs in skeletal muscle health and disease. Frontiers in Bioscience - Landmark, 2015, 20, 37-77.	3.0	56
1710	Circulating DNA and Micro-RNA in Patients with Pancreatic Cancer. Pancreatic Disorders & Therapy, 2015, 05, .	0.3	14
1711	Epigenetic Targets of Arsenic: Emphasis on Epigenetic Modifications During Carcinogenesis. Journal of Environmental Pathology, Toxicology and Oncology, 2015, 34, 63-84.	1.2	25
1712	A new measurement matrix optimal algorithm based on SVD. , 2015, , .		0
1713	MicroRNA in Breast Cancer â€” Gene Regulators and Targets for Novel Therapies. , 0, , .		3
1714	Role of microRNAs in hepatocellular carcinoma. Frontiers in Bioscience - Landmark, 2015, 20, 1056-1067.	3.0	14

#	ARTICLE	IF	CITATIONS
1715	RNA Export through the NPC in Eukaryotes. <i>Genes</i> , 2015, 6, 124-149.	2.4	104
1716	What Do We Know about the Role of miRNAs in Pediatric Sarcoma?. <i>International Journal of Molecular Sciences</i> , 2015, 16, 16593-16621.	4.1	3
1717	MicroRNAs Regulate Mitochondrial Function in Cerebral Ischemia-Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24895-24917.	4.1	64
1718	Exploring miRNA-Associated Signatures with Diagnostic Relevance in Glioblastoma Multiforme and Breast Cancer Patients. <i>Journal of Clinical Medicine</i> , 2015, 4, 1612-1630.	2.4	12
1719	Endocytosis and Trafficking of Natriuretic Peptide Receptor-A: Potential Role of Short Sequence Motifs. <i>Membranes</i> , 2015, 5, 253-287.	3.0	22
1720	The Multiple Roles of Microrna-223 in Regulating Bone Metabolism. <i>Molecules</i> , 2015, 20, 19433-19448.	3.8	39
1721	Role of MicroRNAs in innate neuroprotection mechanisms due to preconditioning of the brain. <i>Frontiers in Neuroscience</i> , 2015, 9, 118.	2.8	15
1722	miRNAs: biological and clinical determinants in epilepsy. <i>Frontiers in Molecular Neuroscience</i> , 2015, 8, 59.	2.9	42
1723	Functional polymorphisms in microRNA gene and hepatitis B risk among Asian population: a meta-analysis. <i>Genetics and Molecular Research</i> , 2015, 14, 4767-4777.	0.2	13
1724	BANF1 Is Downregulated by IRF1-Regulated MicroRNA-203 in Cervical Cancer. <i>PLoS ONE</i> , 2015, 10, e0117035.	2.5	30
1725	Identifying TF-MiRNA Regulatory Relationships Using Multiple Features. <i>PLoS ONE</i> , 2015, 10, e0125156.	2.5	3
1726	Computational Model of MicroRNA Control of HIF-VEGF Pathway: Insights into the Pathophysiology of Ischemic Vascular Disease and Cancer. <i>PLoS Computational Biology</i> , 2015, 11, e1004612.	3.2	33
1727	Two Virus-Induced MicroRNAs Known Only from Teleost Fishes Are Orthologues of MicroRNAs Involved in Cell Cycle Control in Humans. <i>PLoS ONE</i> , 2015, 10, e0132434.	2.5	44
1728	Uncovering Direct Targets of MiR-19a Involved in Lung Cancer Progression. <i>PLoS ONE</i> , 2015, 10, e0137887.	2.5	42
1729	A Database of microRNA Expression Patterns in <i>Xenopus laevis</i> . <i>PLoS ONE</i> , 2015, 10, e0138313.	2.5	21
1730	miR-221 Promotes Epithelial-Mesenchymal Transition through Targeting PTEN and Forms a Positive Feedback Loop with β -catenin/c-Jun Signaling Pathway in Extra-Hepatic Cholangiocarcinoma. <i>PLoS ONE</i> , 2015, 10, e0141168.	2.5	36
1731	Role of bioinformatics in establishing microRNAs as modulators of abiotic stress responses: the new revolution. <i>Frontiers in Physiology</i> , 2015, 6, 286.	2.8	37
1732	microRNA Regulation of Peritoneal Cavity Homeostasis in Peritoneal Dialysis. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	6

#	ARTICLE	IF	CITATIONS
1733	Analysis of Circulating MicroRNAs <i>In Vivo</i> following Administration of Dexamethasone and Adrenocorticotropin. International Journal of Endocrinology, 2015, 2015, 1-6.	1.5	16
1734	MicroRNAs Based Therapy of Hypertrophic Cardiomyopathy: The Road Traveled So Far. BioMed Research International, 2015, 2015, 1-8.	1.9	19
1735	MicroRNAs in Kidney Transplantation: Living up to Their Expectations?. Journal of Transplantation, 2015, 2015, 1-10.	0.5	16
1736	MicroRNAs-mRNAs Expression Profile and Their Potential Role in Malignant Transformation of Human Bronchial Epithelial Cells Induced by Cadmium. BioMed Research International, 2015, 2015, 1-13.	1.9	37
1737	The Role of miR-378a in Metabolism, Angiogenesis, and Muscle Biology. International Journal of Endocrinology, 2015, 2015, 1-13.	1.5	120
1738	TLR4/NF-ÎB-Responsive MicroRNAs and Their Potential Target Genes: A Mouse Model of Skeletal Muscle Ischemia-Reperfusion Injury. BioMed Research International, 2015, 2015, 1-11.	1.9	23
1739	â€œPocket-sized RNA-Seqâ€• A Method to Capture New Mature microRNA Produced from a Genomic Region of Interest. Non-coding RNA, 2015, 1, 127-138.	2.6	2
1740	Up-regulation of microRNA-210 inhibits proliferation of hepatocellular carcinoma cells by targeting YES1. World Journal of Gastroenterology, 2015, 21, 13030.	3.3	23
1741	An evaluation of the links between microRNA, autophagy, and epilepsy. Reviews in the Neurosciences, 2015, 26, 225-37.	2.9	30
1742	Differential Expression of miR-499 and Validation of Predicted Target Genes in the Testicular Tissue of Swine at Different Developmental Stages. DNA and Cell Biology, 2015, 34, 464-469.	1.9	8
1743	miR-148a is Associated with Obesity and Modulates Adipocyte Differentiation of Mesenchymal Stem Cells through Wnt Signaling. Scientific Reports, 2015, 5, 9930.	3.3	145
1744	MicroRNA biogenesis pathways in cancer. Nature Reviews Cancer, 2015, 15, 321-333.	28.4	1,738
1745	The use of high-throughput sequencing methods for plant microRNA research. RNA Biology, 2015, 12, 709-719.	3.1	50
1746	Evidence That Up-Regulation of MicroRNA-29 Contributes to Postnatal Body Growth Deceleration. Molecular Endocrinology, 2015, 29, 921-932.	3.7	21
1747	Changes in cellular microRNA expression induced by porcine circovirus type 2-encoded proteins. Veterinary Research, 2015, 46, 39.	3.0	18
1748	Rough hypercuboid based supervised clustering of miRNAs. Molecular BioSystems, 2015, 11, 2068-2081.	2.9	5
1749	Systematic discovery and characterization of stress-related microRNA genes in Oryza sativa. Biologia (Poland), 2015, 70, 75-84.	1.5	1
1750	MicroRNA Detection and Pathological Functions. Springer Briefs in Molecular Science, 2015, , .	0.1	4

#	ARTICLE	IF	CITATIONS
1751	miRNA regulation of nutrient homeostasis in plants. <i>Frontiers in Plant Science</i> , 2015, 06, 232.	3.6	117
1752	MicroRNAs and drought responses in sugarcane. <i>Frontiers in Plant Science</i> , 2015, 6, 58.	3.6	105
1753	eIF1A augments Ago2-mediated Dicer-independent miRNA biogenesis and RNA interference. <i>Nature Communications</i> , 2015, 6, 7194.	12.8	39
1754	Overexpression of NF90-NF45 Represses Myogenic MicroRNA Biogenesis, Resulting in Development of Skeletal Muscle Atrophy and Centronuclear Muscle Fibers. <i>Molecular and Cellular Biology</i> , 2015, 35, 2295-2308.	2.3	22
1755	Therapeutic Targeting of microRNAs in Cancer: Future Perspectives. <i>Drug Development Research</i> , 2015, 76, 382-388.	2.9	57
1756	Aberrant regulation of the LIN28A/LIN28B and let-7 loop in human malignant tumors and its effects on the hallmarks of cancer. <i>Molecular Cancer</i> , 2015, 14, 125.	19.2	147
1757	Triggering RNAi with multifunctional RNA nanoparticles and their delivery. <i>DNA and RNA Nanotechnology</i> , 2015, 2, 1-12.	0.7	17
1759	The microRNA Machinery. <i>Advances in Experimental Medicine and Biology</i> , 2015, 887, 15-30.	1.6	32
1760	MiR-661 inhibits glioma cell proliferation, migration and invasion by targeting hTERT. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 870-876.	2.1	32
1761	microRNA and Cardiac Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2015, 887, 119-141.	1.6	14
1762	Transcriptome, microRNA, and degradome analyses of the gene expression of Paulownia with phytoblamsa. <i>BMC Genomics</i> , 2015, 16, 896.	2.8	29
1763	Web server for prediction of miRNAs and their precursors and binding sites. <i>Molecular Biology</i> , 2015, 49, 755-761.	1.3	5
1764	The function of miRNAs and their potential as therapeutic targets in burn-induced insulin resistance (Review). <i>International Journal of Molecular Medicine</i> , 2015, 35, 305-310.	4.0	14
1765	Lentiviral vector-mediated doxycycline-inducible USP39 shRNA or cDNA expression in triple-negative breast cancer cells. <i>Oncology Reports</i> , 2015, 33, 2477-2483.	2.6	14
1766	Upregulation of the miR-212/132 cluster suppresses proliferation of human lung cancer cells. <i>Oncology Reports</i> , 2015, 33, 705-712.	2.6	40
1767	Function and clinical potential of microRNAs in hepatocellular carcinoma. <i>Oncology Letters</i> , 2015, 10, 3345-3353.	1.8	24
1768	Go with the Flow: Fluid Roles for miRNAs in Vertebrate Osmoregulation. , 2015, , 159-172.		0
1769	Allele-specific loss and transcription of the miR-15a/16-1 cluster in chronic lymphocytic leukemia. <i>Leukemia</i> , 2015, 29, 86-95.	7.2	27

#	ARTICLE	IF	CITATIONS
1770	MicroRNA-124 Regulates Neuronal Differentiation of Mesenchymal Stem Cells by Targeting Sp1 mRNA. Journal of Cellular Biochemistry, 2015, 116, 943-953.	2.6	56
1771	MicroRNA Function in Muscle Homeostasis and Regenerative Medicine. , 2015, , 287-310.		1
1772	Small molecule chemical probes of microRNA function. Current Opinion in Chemical Biology, 2015, 24, 97-103.	6.1	48
1773	Nutrient Use Efficiency: from Basics to Advances. , 2015, , .		30
1774	MicroRNAs: new Players in Cancer Prevention Targeting Nrf2, Oxidative Stress and Inflammatory Pathways. Current Pharmacology Reports, 2015, 1, 21-30.	3.0	39
1775	Non-coding RNAs in gastric cancer. Gene, 2015, 560, 1-8.	2.2	63
1776	Epigenetic Modification of MicroRNAs. , 2015, , 77-109.		2
1777	Manipulating MiRNA Expression: a Novel Approach for Colon Cancer Prevention and Chemotherapy. Current Pharmacology Reports, 2015, 1, 141-153.	3.0	21
1778	The emerging role of microRNAs in resistance to lung cancer treatments. Cancer Treatment Reviews, 2015, 41, 160-169.	7.7	83
1779	Genome-wide development of novel miRNA-based microsatellite markers of rice (Oryza sativa) for genotyping applications. Molecular Breeding, 2015, 35, 1.	2.1	50
1780	Advances in miRNA-Mediated Mucin Regulation. Current Pharmacology Reports, 2015, 1, 355-364.	3.0	9
1781	Role of microRNA<sc>s in plant drought tolerance. Plant Biotechnology Journal, 2015, 13, 293-305.	8.3	229
1782	The characteristics of the porcine (Sus scrofa) liver miRNAome with the use of next generation sequencing. Journal of Applied Genetics, 2015, 56, 239-252.	1.9	5
1783	Application of microRNA<sc> gene resources in the improvement of agronomic traits in rice. Plant Biotechnology Journal, 2015, 13, 329-336.	8.3	51
1784	Biotechnology of Euphorbiaceae (Jatropha curcas, Manihot esculenta, Ricinus communis). , 2015, , 87-114.		4
1785	Epigenetics and Other Autoimmune Skin Diseases. , 2015, , 307-326.		2
1786	MicroRNAs in Skin Diseases. , 2015, , 177-205.		2
1787	MicroRNAs in Normal and Malignant Myelopoiesis. , 2015, , 213-236.		0

#	ARTICLE	IF	CITATIONS
1788	Microprocessor mediates transcriptional termination of long noncoding RNA transcripts hosting microRNAs. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 319-327.	8.2	120
1789	A Potassium Ion-Dependent RNA Structural Switch Regulates Human Pre-miRNA 92b Maturation. <i>Chemistry and Biology</i> , 2015, 22, 262-272.	6.0	107
1790	Noncoding RNAs as regulators of cardiomyocyte proliferation and death. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 59-67.	1.9	56
1791	MicroRNAs in Tissue Engineering and Regenerative Medicine. , 2015, , 1159-1200.		1
1792	Nuclear Architecture and Transcriptional Regulation of MicroRNAs. , 2015, , 1129-1158.		0
1793	Advancements in the delivery of epigenetic drugs. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1501-1512.	5.0	22
1794	MicroRNA as tools and therapeutics in lung cancer. <i>Respiratory Medicine</i> , 2015, 109, 803-812.	2.9	85
1795	The role of microRNAs in nasopharyngeal carcinoma. <i>Tumor Biology</i> , 2015, 36, 69-79.	1.8	37
1796	Epigenetics and autoimmune diseases: the X chromosome-nucleolus nexus. <i>Frontiers in Genetics</i> , 2015, 6, 22.	2.3	54
1797	Comprehensive identification and profiling of host miRNAs in response to Singapore grouper iridovirus (SGIV) infection in grouper (<i>Epinephelus coioides</i>). <i>Developmental and Comparative Immunology</i> , 2015, 52, 226-235.	2.3	37
1798	Small RNAs: Their Possible Roles in Reproductive Failure. <i>Advances in Experimental Medicine and Biology</i> , 2015, 868, 49-79.	1.6	11
1799	The role of Alu elements in the cis-regulation of RNA processing. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4063-4076.	5.4	36
1800	The role of microRNAs in coronary artery disease: From pathophysiology to diagnosis and treatment. <i>Atherosclerosis</i> , 2015, 241, 624-633.	0.8	89
1801	MicroRNAs and Cancer. , 2015, , 67-90.		0
1802	Telomerase Reverse Transcriptase Regulates microRNAs. <i>International Journal of Molecular Sciences</i> , 2015, 16, 1192-1208.	4.1	22
1803	MicroRNAs in tumor angiogenesis. <i>Life Sciences</i> , 2015, 136, 28-35.	4.3	73
1804	MicroRNA-196b is transcribed from an autonomous promoter and is directly regulated by Cdx2 and by posterior Hox proteins during embryogenesis. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 1066-1080.	1.9	19
1805	Genetic alteration regulated by microRNAs in biliary tract cancers. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 96, 262-273.	4.4	11

#	ARTICLE	IF	CITATIONS
1806	Histone Deacetylase Inhibitors Inhibit Rhabdomyosarcoma by Reactive Oxygen Species-Dependent Targeting of Specificity Protein Transcription Factors. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 2143-2153.	4.1	53
1807	Loqs depends on R2D2 to localize in D2 body-like granules and functions in RNAi pathways in silkworm cells. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 64, 78-90.	2.7	5
1808	MicroRNAs as potential drug targets for therapeutic intervention in colorectal cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 1705-1723.	3.4	14
1809	miR-29a promotes scavenger receptor A expression by targeting QKI (quaking) during monocyte-macrophage differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 1-6.	2.1	15
1810	MicroRNAs in the Biology and Diagnosis of Cholangiocarcinoma. <i>Seminars in Liver Disease</i> , 2015, 35, 055-062.	3.6	20
1811	Down-regulation of miR-1246 in cervical cancer tissues and its clinical significance. <i>Gynecologic Oncology</i> , 2015, 138, 683-688.	1.4	39
1812	MicroRNA in Cancer and Cachexia—A Mini-Review. <i>Journal of Infectious Diseases</i> , 2015, 212, S74-S77.	4.0	61
1813	miRNAs in the Pathogenesis of Systemic Lupus Erythematosus. <i>International Journal of Molecular Sciences</i> , 2015, 16, 9557-9572.	4.1	55
1814	Mir-17-92 regulates bone marrow homing of plasma cells and production of immunoglobulin G2c. <i>Nature Communications</i> , 2015, 6, 6764.	12.8	35
1815	MicroRNAs as biomarkers for graft-versus-host disease following allogeneic stem cell transplantation. <i>Annals of Hematology</i> , 2015, 94, 1081-1092.	1.8	22
1816	miRNAs in inflammatory skin diseases and their clinical implications. <i>Expert Review of Clinical Immunology</i> , 2015, 11, 467-477.	3.0	23
1817	Amyotrophic lateral sclerosis: mechanisms and therapeutics in the epigenomic era. <i>Nature Reviews Neurology</i> , 2015, 11, 266-279.	10.1	186
1818	Mammalian Introns: When the Junk Generates Molecular Diversity. <i>International Journal of Molecular Sciences</i> , 2015, 16, 4429-4452.	4.1	50
1819	Annotation of the goat genome using next generation sequencing of microRNA expressed by the lactating mammary gland: comparison of three approaches. <i>BMC Genomics</i> , 2015, 16, 285.	2.8	39
1820	Evidence for the conservation of miR-223 in zebrafish (<i>Danio rerio</i>): Implications for function. <i>Gene</i> , 2015, 566, 54-62.	2.2	18
1821	Unique miRNome during anthesis in drought-tolerant indica rice var. Nagina 22. <i>Planta</i> , 2015, 241, 1543-1559.	3.2	35
1822	Comparison of Lentiviral Packaging Mixes and Producer Cell Lines for RNAi Applications. <i>Molecular Biotechnology</i> , 2015, 57, 499-505.	2.4	8
1823	The biomarker and therapeutic potential of miRNA in Alzheimer's disease. <i>Neurodegenerative Disease Management</i> , 2015, 5, 61-74.	2.2	49

#	ARTICLE	IF	CITATIONS
1824	Identification and characterization of microRNAs from Chinese pollination constant non-astringent persimmon using high-throughput sequencing. BMC Plant Biology, 2015, 15, 11.	3.6	52
1825	Regulation of cancer metastasis by microRNAs. Journal of Biomedical Science, 2015, 22, 9.	7.0	125
1826	Ribonucleic acid (RNA) biosynthesis in human cancer. Cancer Cell International, 2015, 15, 22.	4.1	4
1827	Expression profiles of miRNAs in Gossypium raimondii. Journal of Zhejiang University: Science B, 2015, 16, 296-303.	2.8	10
1828	An overview of microRNAs. Advanced Drug Delivery Reviews, 2015, 87, 3-14.	13.7	1,124
1829	Genome-Wide Identification and Analysis of Drought-Responsive Genes and MicroRNAs in Tobacco. International Journal of Molecular Sciences, 2015, 16, 5714-5740.	4.1	32
1830	microRNA-200b as a Switch for Inducible Adult Angiogenesis. Antioxidants and Redox Signaling, 2015, 22, 1257-1272.	5.4	43
1831	A network of RNA and protein interactions in Fronto Temporal Dementia. Frontiers in Molecular Neuroscience, 2015, 8, 9.	2.9	22
1832	Dynamic evolution and biogenesis of small RNAs during sex reversal. Scientific Reports, 2015, 5, 9999.	3.3	21
1833	Long Non-coding RNAs and Their Biological Roles in Plants. Genomics, Proteomics and Bioinformatics, 2015, 13, 137-147.	6.9	231
1834	Heat Shock Inhibition of CDK5 Increases NOXA Levels through miR-23a Repression. Journal of Biological Chemistry, 2015, 290, 11443-11454.	3.4	11
1835	Micro-RNAs and Their Roles in Eye Disorders. Ophthalmic Research, 2015, 53, 169-186.	1.9	46
1836	Transcriptional regulation of microRNA-100, -146a, and -150 genes by p53 and NF- κ B p65/RelA in mouse striatal STHdh ^{Q7} /Hdh ^{Q7} cells and human cervical carcinoma HeLa cells. RNA Biology, 2015, 12, 457-477.	3.1	28
1837	MicroRNAs in placental health and disease. American Journal of Obstetrics and Gynecology, 2015, 213, S163-S172.	1.3	165
1838	Progress on the relationship between miR-125 family and tumorigenesis. Experimental Cell Research, 2015, 339, 252-260.	2.6	93
1839	A Statistical Analysis of MicroRNA: Classification, Identification and Conservation Based on Structure and Function. Springer Proceedings in Mathematics and Statistics, 2015, , 223-258.	0.2	1
1840	Synthetic Biology: A Unifying View and Review Using Analog Circuits. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 453-474.	4.0	62
1841	Circulating microRNAs. Biochemistry (Moscow), 2015, 80, 1117-1126.	1.5	32

#	ARTICLE	IF	CITATIONS
1842	The art of CHO cell engineering: A comprehensive retrospect and future perspectives. <i>Biotechnology Advances</i> , 2015, 33, 1878-1896.	11.7	240
1843	Non Coding RNA Molecules as Potential Biomarkers in Breast Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2015, 867, 263-275.	1.6	32
1844	MicroRNA Biomarkers for Coronary Artery Disease?. <i>Current Atherosclerosis Reports</i> , 2015, 17, 70.	4.8	39
1845	The role of miRNAs in endometrial cancer. <i>Epigenomics</i> , 2015, 7, 951-959.	2.1	24
1846	Asymmetric bulges and mismatches determine 20-nt microRNA formation in plants. <i>RNA Biology</i> , 2015, 12, 1054-1066.	3.1	36
1847	Non-Coding RNAs in Cardiac Aging. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 1679-1687.	1.6	20
1848	Artificial microRNAs against the viral E6 protein provoke apoptosis in HPV positive cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 465, 658-664.	2.1	15
1849	Critical role of the miR-200 family in regulating differentiation and proliferation of neurons. <i>Journal of Neurochemistry</i> , 2015, 133, 640-652.	3.9	85
1850	The liverwort <i>Platyneurium endiviifolia</i> shares microtranscriptomic traits that are common to green algae and land plants. <i>New Phytologist</i> , 2015, 206, 352-367.	7.3	84
1851	The MicroRNA156 system: A tool in plant biotechnology. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 432-442.	3.1	29
1852	Development of Novel Antisense Oligonucleotides for the Functional Regulation of RNA-Induced Silencing Complex (RISC) by Promoting the Release of microRNA from RISC. <i>Bioconjugate Chemistry</i> , 2015, 26, 2454-2460.	3.6	16
1853	Deep sequencing, profiling and detailed annotation of microRNAs in <i>Takifugu rubripes</i> . <i>BMC Genomics</i> , 2015, 16, 457.	2.8	21
1854	miRNAs: early prognostic biomarkers for Type 2 diabetes mellitus?. <i>Biomarkers in Medicine</i> , 2015, 9, 1025-1040.	1.4	40
1856	MiRNAs™ Function and Role in Evolution: Under the View of Genomic Enhancement Phenomena. , 2015, , 1-15.		0
1857	Genome-wide analysis of YB-1-RNA interactions reveals a novel role of YB-1 in miRNA processing in glioblastoma multiforme. <i>Nucleic Acids Research</i> , 2015, 43, 8516-8528.	14.5	65
1858	Genome-wide annotation of microRNA primary transcript structures reveals novel regulatory mechanisms. <i>Genome Research</i> , 2015, 25, 1401-1409.	5.5	91
1859	The effect of red light and far-red light conditions on secondary metabolism in Agarwood. <i>BMC Plant Biology</i> , 2015, 15, 139.	3.6	33
1860	Molecular Biology Basics in the Omics-Era: Genes to Proteins. , 2015, , 3-65.		1

#	ARTICLE	IF	CITATIONS
1861	Regulation of physiological processes by microRNAs in insects. <i>Current Opinion in Insect Science</i> , 2015, 11, 1-7.	4.4	56
1862	Noncoding RNAs and the control of signalling via nuclear receptor regulation in health and disease. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2015, 29, 529-543.	4.7	13
1863	The role of microRNAs in the pathogenesis of HIV-related lymphomas. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2015, 52, 232-241.	6.1	15
1864	MicroRNA-24 can control triacylglycerol synthesis in goat mammary epithelial cells by targeting the fatty acid synthase gene. <i>Journal of Dairy Science</i> , 2015, 98, 9001-9014.	3.4	42
1865	Advances in Cancer Biomarkers. <i>Advances in Experimental Medicine and Biology</i> , 2015, , .	1.6	14
1866	Sodium and Water Homeostasis. , 2015, , .		2
1867	Functional screen reveals essential roles of miRâ€27a/24 in differentiation of embryonic stemÂcells. <i>EMBO Journal</i> , 2015, 34, 361-378.	7.8	54
1868	Micro<scp>RNA</scp> profiling analysis throughout tomato fruit development and ripening reveals potential regulatory role of <scp>RIN</scp> on micro<scp>RNA</scp>s accumulation. <i>Plant Biotechnology Journal</i> , 2015, 13, 370-382.	8.3	87
1869	MicroRNAs in hemostasis. <i>Journal of Thrombosis and Haemostasis</i> , 2015, 13, 170-181.	3.8	36
1870	Model systems to analyze the role of miRNAs and commensal microflora in bovine mucosal immune system development. <i>Molecular Immunology</i> , 2015, 66, 57-67.	2.2	21
1871	7SK small nuclear RNA inhibits cancer cell proliferation through apoptosis induction. <i>Tumor Biology</i> , 2015, 36, 2809-2814.	1.8	20
1872	MicroRNAs: new players in IBD. <i>Gut</i> , 2015, 64, 504-513.	12.1	223
1873	Contribution of bioinformatics prediction in microRNA-based cancer therapeutics. <i>Advanced Drug Delivery Reviews</i> , 2015, 81, 94-103.	13.7	47
1874	MicroRNA-regulation of <i>Anopheles gambiae</i> immunity to <i>Plasmodium falciparum</i> infection and midgut microbiota. <i>Developmental and Comparative Immunology</i> , 2015, 49, 170-178.	2.3	59
1875	miRNA â€“ Therapeutic tool in breast cancer? Where are we now?. <i>Reports of Practical Oncology and Radiotherapy</i> , 2015, 20, 79-86.	0.6	10
1876	The effects of micro<scp>RNA</scp> on the absorption, distribution, metabolism and excretion of drugs. <i>British Journal of Pharmacology</i> , 2015, 172, 2733-2747.	5.4	32
1877	Transcription factor and microRNA co-regulatory loops: important regulatory motifs in biological processes and diseases. <i>Briefings in Bioinformatics</i> , 2015, 16, 45-58.	6.5	175
1878	Epigenetics and muscle dysfunction in chronic obstructive pulmonary disease. <i>Translational Research</i> , 2015, 165, 61-73.	5.0	23

#	ARTICLE	IF	CITATIONS
1879	The emerging roles of microRNAs in cancer metabolism. Cancer Letters, 2015, 356, 301-308.	7.2	97
1880	MicroRNA biogenesis pathway from the salmon louse (<i>Caligus rogercresseyi</i>): Emerging role in delousing drug response. Gene, 2015, 555, 231-241.	2.2	16
1881	Histone deacetylase inhibitor SAHA epigenetically regulates miR-17-92 cluster and MCM7 to upregulate MICA expression in hepatoma. British Journal of Cancer, 2015, 112, 112-121.	6.4	99
1882	Mast Cells. Methods in Molecular Biology, 2015, 1220, vii-viii.	0.9	7
1884	Multiplexing Seven miRNA-Based shRNAs to Suppress HIV Replication. Molecular Therapy, 2015, 23, 310-320.	8.2	32
1885	miRNAs in pancreatic cancer: Therapeutic potential, delivery challenges and strategies. Advanced Drug Delivery Reviews, 2015, 81, 34-52.	13.7	77
1886	The Roles of MicroRNAs and Protein Components of the MicroRNA Pathway in Lung Development and Diseases. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 397-408.	2.9	27
1887	Causes and Consequences of MicroRNA Dysregulation in Neurodegenerative Diseases. Molecular Neurobiology, 2015, 51, 1249-1262.	4.0	113
1888	MicroRNA and cancer – A brief overview. Advances in Biological Regulation, 2015, 57, 1-9.	2.3	544
1889	MicroRNAs and their applications in kidney diseases. Pediatric Nephrology, 2015, 30, 727-740.	1.7	40
1891	MicroRNAs in Amyotrophic Lateral Sclerosis. , 2016, , .		1
1892	miRNAs as Nutritional Targets in Aging. , 2016, , 277-291.		3
1893	Current View of microRNA Processing. Signal Transduction Insights, 2016, 5, STI.S12317.	2.0	8
1894	Advances in Exploring the Role of Micrornas in Inflammatory Bowel Disease. MicroRNA (Shariqah,) Tj ETQq1 1 0.784314 rgBT ₅ /Overlook	1.2	1
1895	Tiny microRNAs Fine-Tune Amyotrophic Lateral Sclerosis Regulation. , 0, , .		0
1896	Methylation Status of SP1 Sites within miR-23a-27a-24-2 Promoter Region Influences Laryngeal Cancer Cell Proliferation and Apoptosis. BioMed Research International, 2016, 2016, 1-8.	1.9	16
1897	From Nutrient to MicroRNA: a Novel Insight into Cell Signaling Involved in Skeletal Muscle Development and Disease. International Journal of Biological Sciences, 2016, 12, 1247-1261.	6.4	20
1898	Function and Regulation of MicroRNAs and Their Potential as Biomarkers in Paediatric Liver Disease. International Journal of Molecular Sciences, 2016, 17, 1795.	4.1	29

#	ARTICLE	IF	CITATIONS
1899	Circulating Noncoding RNAs as Clinical Biomarkers. , 2016, , 239-258.		4
1900	AmiRNA Designer - new method of artificial miRNA design.. Acta Biochimica Polonica, 2016, 63, 71-77.	0.5	17
1901	Precise mapping of the transcription start sites of human microRNAs using DROSHA knockout cells. BMC Genomics, 2016, 17, 908.	2.8	14
1902	Circulating MicroRNAs as Biomarkers in Biliary Tract Cancers. International Journal of Molecular Sciences, 2016, 17, 791.	4.1	39
1904	MicroRNA in Systemic Lupus Erythematosus. , 2016, , 231-236.		2
1905	Micromanaging cardiac regeneration: Targeted delivery of microRNAs for cardiac repair and regeneration. World Journal of Cardiology, 2016, 8, 163.	1.5	26
1906	MiR-193a-5p/ERBB2 act as concurrent chemoradiation therapy response indicator of esophageal squamous cell carcinoma. Oncotarget, 2016, 7, 39680-39693.	1.8	30
1907	The Emerging Role of miRNAs and Their Clinical Implication in Biliary Tract Cancer. Gastroenterology Research and Practice, 2016, 2016, 1-10.	1.5	2
1908	Deregulated MicroRNAs in Biliary Tract Cancer: Functional Targets and Potential Biomarkers. BioMed Research International, 2016, 2016, 1-15.	1.9	19
1909	The miRacle in Pancreatic Cancer by miRNAs: Tiny Angels or Devils in Disease Progression. International Journal of Molecular Sciences, 2016, 17, 809.	4.1	19
1910	The Role of microRNAs in the Pathogenesis of Herpesvirus Infection. Viruses, 2016, 8, 156.	3.3	128
1911	miRNA-124 in Immune System and Immune Disorders. Frontiers in Immunology, 2016, 7, 406.	4.8	74
1912	An Emerging Role of micro-RNA in the Effect of the Endocrine Disruptors. Frontiers in Neuroscience, 2016, 10, 318.	2.8	40
1913	Transgenic Mouse Expressing Optical MicroRNA Reporter for Monitoring MicroRNA-124 Action during Development. Frontiers in Molecular Neuroscience, 2016, 9, 52.	2.9	6
1914	MicroRNA Expression during Bovine Oocyte Maturation and Fertilization. International Journal of Molecular Sciences, 2016, 17, 396.	4.1	77
1915	Emerging Role of miRNAs in the Drug Resistance of Gastric Cancer. International Journal of Molecular Sciences, 2016, 17, 424.	4.1	96
1916	MicroRNA and Heart Failure. International Journal of Molecular Sciences, 2016, 17, 502.	4.1	98
1917	Characterization of miR-206 Promoter and Its Association with Birthweight in Chicken. International Journal of Molecular Sciences, 2016, 17, 559.	4.1	13

#	ARTICLE	IF	CITATIONS
1918	MicroRNAs: Key Regulators in the Central Nervous System and Their Implication in Neurological Diseases. International Journal of Molecular Sciences, 2016, 17, 842.	4.1	141
1919	Identification and Functional Analysis of microRNAs Involved in the Anther Development in Cotton Genic Male Sterile Line Yu98-8A. International Journal of Molecular Sciences, 2016, 17, 1677.	4.1	14
1920	Tools for Sequence-Based miRNA Target Prediction: What to Choose?. International Journal of Molecular Sciences, 2016, 17, 1987.	4.1	353
1921	Micro-RNA Feedback Loops Modulating the Calcineurin/NFAT Signaling Pathway. Non-coding RNA, 2016, 2, 3.	2.6	6
1922	The Role of Bioactive Dietary Components in Modulating miRNA Expression in Colorectal Cancer. Nutrients, 2016, 8, 590.	4.1	38
1923	Bacterial Suppression of RNA Polymerase II-Dependent Host Gene Expression. Pathogens, 2016, 5, 49.	2.8	19
1924	Glycine confers neuroprotection through microRNA-301a/PTEN signaling. Molecular Brain, 2016, 9, 59.	2.6	23
1925	Alterations in the mir-15a/16-1 Loci Impairs Its Processing and Augments B-1 Expansion in De Novo Mouse Model of Chronic Lymphocytic Leukemia (CLL). PLoS ONE, 2016, 11, e0149331.	2.5	9
1926	miR-9 Acts as an OncomiR in Prostate Cancer through Multiple Pathways That Drive Tumour Progression and Metastasis. PLoS ONE, 2016, 11, e0159601.	2.5	51
1927	Intron Lariat RNA Inhibits MicroRNA Biogenesis by Sequestering the Dicing Complex in Arabidopsis. PLoS Genetics, 2016, 12, e1006422.	3.5	78
1928	Unveiling the Micronome of Cassava (Manihot esculenta Crantz). PLoS ONE, 2016, 11, e0147251.	2.5	20
1929	Bidirectional Promoter Engineering for Single Cell MicroRNA Sensors in Embryonic Stem Cells. PLoS ONE, 2016, 11, e0155177.	2.5	11
1930	Targeting MicroRNA Function in Respiratory Diseases: Mini-Review. Frontiers in Physiology, 2016, 7, 21.	2.8	63
1931	Identification and Comparative Analysis of microRNA in Wheat (Triticum aestivum L.) Callus Derived from Mature and Immature Embryos during In vitro Culture. Frontiers in Plant Science, 2016, 7, 1302.	3.6	27
1932	miRNA-21 as a novel therapeutic target in lung cancer. Lung Cancer: Targets and Therapy, 2016, 7, 19.	2.7	59
1933	MicroRNAs, HIV and HCV: a complex relation towards pathology. Reviews in Medical Virology, 2016, 26, 197-215.	8.3	18
1934	Noncoding RNAs in Regulation of Cancer Metabolic Reprogramming. Advances in Experimental Medicine and Biology, 2016, 927, 191-215.	1.6	29
1935	The Liquid Biopsies: A New Important Step in Cancer Research. , 2016, , 85-115.		0

#	ARTICLE	IF	CITATIONS
1936	MicroRNAs in Control of Plant Development. <i>Journal of Cellular Physiology</i> , 2016, 231, 303-313.	4.1	276
1937	MicroRNAs in Cardiovascular Disease. <i>Cardiology in Review</i> , 2016, 24, 110-118.	1.4	22
1938	<i>Citrus psorosis virus</i> 24K protein interacts with citrus miRNA precursors, affects their processing and subsequent miRNA accumulation and target expression. <i>Molecular Plant Pathology</i> , 2016, 17, 317-329.	4.2	26
1939	The Long and Short Non-coding RNAs in Cancer Biology. <i>Advances in Experimental Medicine and Biology</i> , 2016, , .	1.6	4
1940	Bio-functional surfaces for the immunocapture of AGO2-bound microRNAs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 746-753.	5.0	6
1941	The role of miRNAs in cholangiocarcinoma. <i>Hepatic Oncology</i> , 2016, 3, 167-180.	4.2	5
1942	A naïve Bayesian classifier for identifying plant microRNA/s. <i>Plant Journal</i> , 2016, 86, 481-492.	5.7	13
1943	Activated Stat5 trafficking Via Endothelial Cell-derived Extracellular Vesicles Controls IL-3 Pro-angiogenic Paracrine Action. <i>Scientific Reports</i> , 2016, 6, 25689.	3.3	63
1944	Exploiting MicroRNA (miRNA) Profiles for Diagnostics. , 2016, , 634-654.		1
1945	Small RNAs/Cancer. , 2016, , 364-374.		0
1946	miRNAs/Small Noncoding RNAs. , 2016, , 354-363.		1
1947	Cross-talk between freezing response and signaling for regulatory transcriptions of MIR475b and its targets by miR475b promoter in <i>Populus suaveolens</i> . <i>Scientific Reports</i> , 2016, 6, 20648.	3.3	19
1948	miR-27a and miR-27b regulate autophagic clearance of damaged mitochondria by targeting PTEN-induced putative kinase 1 (PINK1). <i>Molecular Neurodegeneration</i> , 2016, 11, 55.	10.8	106
1949	Extensible Multiplex Real-time PCR of MicroRNA Using Microparticles. <i>Scientific Reports</i> , 2016, 6, 22975.	3.3	19
1950	An Indel Polymorphism within pre-miR3131 Confers Risk for Hepatocellular Carcinoma. <i>Carcinogenesis</i> , 2017, 38, bgw206.	2.8	10
1951	A novel role for GSK3 β as a modulator of Drosha microprocessor activity and MicroRNA biogenesis. <i>Nucleic Acids Research</i> , 2017, 45, gkw938.	14.5	17
1952	Transcriptional regulation of miR-15b by c-Rel and CREB in Japanese encephalitis virus infection. <i>Scientific Reports</i> , 2016, 6, 22581.	3.3	22
1953	Extracellular/Circulating MicroRNAs: Release Mechanisms, Functions and Challenges. <i>Achievements in the Life Sciences</i> , 2016, 10, 175-186.	1.3	201

#	ARTICLE	IF	CITATIONS
1954	Methods Used for Noncoding RNAs Analysis. , 2016, , 151-175.		0
1955	Noncoding RNA for Cancer Gene Therapy. Recent Results in Cancer Research, 2016, 209, 51-60.	1.8	15
1956	Overcoming Resistance to Endocrine Therapy in Breast Cancer: New Approaches to a Nagging Problem. Medical Principles and Practice, 2016, 25, 28-40.	2.4	28
1958	The role of microRNA-26a in human cancer progression and clinical application. Tumor Biology, 2016, 37, 7095-7108.	1.8	45
1959	MicroRNAs in brain cholesterol metabolism and their implications for Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 2139-2147.	2.4	18
1960	A glance at subgenomic flavivirus RNAs and microRNAs in flavivirus infections. Virology Journal, 2016, 13, 84.	3.4	39
1961	Evaluation of miRNA-expression and clinical tumour parameters in oral squamous cell carcinoma (OSCC). Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 876-881.	1.7	16
1962	PSRna: Prediction of small RNA secondary structures based on reverse complementary folding method. Journal of Bioinformatics and Computational Biology, 2016, 14, 1643001.	0.8	3
1963	Microsynteny and phylogenetic analysis of tandemly organised miRNA families across five members of Brassicaceae reveals complex retention and loss history. Plant Science, 2016, 247, 35-48.	3.6	19
1964	Identifying cell-specific microRNA transcriptional start sites. Bioinformatics, 2016, 32, 2403-2410.	4.1	18
1965	Non-coding RNAs in pancreatic cancer: challenges and opportunities for clinical application. Cellular Oncology (Dordrecht), 2016, 39, 295-318.	4.4	76
1966	MicroRNA profiling of the whitefly Bemisia tabaci Middle East-Aisa Minor I following the acquisition of Tomato yellow leaf curl China virus. Virology Journal, 2016, 13, 20.	3.4	22
1967	Comparative genomic analysis of upstream miRNA regulatory motifs in Caenorhabditis. Rna, 2016, 22, 968-978.	3.5	2
1968	RNAi agents as chikungunya virus therapeutics. Future Virology, 2016, 11, 321-329.	1.8	3
1969	Expression and regulatory effects of microRNA-182 in osteosarcoma cells: A pilot study. Oncology Letters, 2016, 11, 3040-3048.	1.8	7
1970	Adenoviral Vectors for RNAi Delivery. , 2016, , 739-765.		0
1971	Transcriptional, post-transcriptional and chromatin-associated regulation of pri-miRNAs, pre-miRNAs and moRNAs. Nucleic Acids Research, 2016, 44, 3070-3081.	14.5	38
1972	Cytoplasmic Drosha activity generated by alternative splicing. Nucleic Acids Research, 2016, 44, gkw668.	14.5	37

#	ARTICLE	IF	CITATIONS
1973	Extracellular miRNA: A Collision of Two Paradigms. Trends in Biochemical Sciences, 2016, 41, 883-892.	7.5	145
1974	Current state of phenolic and terpenoidal dietary factors and natural products as non-coding RNA/microRNA modulators for improved cancer therapy and prevention. Non-coding RNA Research, 2016, 1, 12-34.	4.6	36
1975	An oyster species-specific miRNA scaffold42648_5080 modulates haemocyte migration by targeting integrin pathway. Fish and Shellfish Immunology, 2016, 57, 160-169.	3.6	19
1976	Progress in micro RNA focused research in endocrinology. Endocrine Regulations, 2016, 50, 83-105.	1.3	6
1977	Nanomedicines against Chronic Inflammatory Diseases. , 2016, , 383-415.		0
1978	RUNX3-mediated up-regulation of miR-29b suppresses the proliferation and migration of gastric cancer cells by targeting KDM2A. Cancer Letters, 2016, 381, 138-148.	7.2	46
1979	MicroRNA Profiling from RSV-Infected Biofluids, Whole Blood, and Tissue Samples. Methods in Molecular Biology, 2016, 1442, 195-208.	0.9	4
1980	Micro<scp>RNA</scp>s in Bladder Outlet Obstruction: Relationship to Growth and Matrix Remodelling. Basic and Clinical Pharmacology and Toxicology, 2016, 119, 5-17.	2.5	13
1981	Phenethyl isothiocyanate (PEITC) suppresses prostate cancer cell invasion epigenetically through regulating microRNAâ€”194. Molecular Nutrition and Food Research, 2016, 60, 1427-1436.	3.3	66
1982	Anatomy of <scp>RISC</scp>: how do small <scp>RNAs</scp> and chaperones activate Argonaute proteins?. Wiley Interdisciplinary Reviews RNA, 2016, 7, 637-660.	6.4	155
1983	Mesenchymal stem cells as novel microâ€”ribonucleic acid delivery vehicles in kidney disease. Nephrology, 2016, 21, 363-371.	1.6	12
1984	MicroRNAs in glioblastoma multiforme pathogenesis and therapeutics. Cancer Medicine, 2016, 5, 1917-1946.	2.8	152
1985	Micro<scp>RNA</scp> expression profiles in testicular biopsies of patients with impaired spermatogenesis. Andrology, 2016, 4, 1020-1027.	3.5	39
1986	Analysis of Heme Iron Coordination in DGCR8: The Heme-Binding Component of the Microprocessor Complex. Biochemistry, 2016, 55, 5073-5083.	2.5	11
1987	Siteâ€”Specific Labeling of MicroRNA Precursors: A Structureâ€”Activity Relationship Study. ChemBioChem, 2016, 17, 2012-2017.	2.6	3
1988	PI3 kinase pathway regulated miRNome in glioblastoma: identification of miR-326 as a tumour suppressor miRNA. Molecular Cancer, 2016, 15, 74.	19.2	43
1989	Molecular aspects of plant-nematode interactions. Indian Journal of Plant Physiology, 2016, 21, 477-488.	0.8	11
1991	Functional Significance and Predictive Value of MicroRNAs in Pediatric Obesity: Tiny Molecules with Huge Impact?. Hormone Research in Paediatrics, 2016, 86, 3-10.	1.8	21

#	ARTICLE	IF	CITATIONS
1992	The role of microRNAs in the pathogenesis of autoimmune diseases. Autoimmunity Reviews, 2016, 15, 1171-1180.	5.8	226
1993	Regulation of epithelial-mesenchymal transition through microRNAs: clinical and biological significance of microRNAs in breast cancer. Tumor Biology, 2016, 37, 14463-14477.	1.8	27
1994	miR-122 involved in the regulation of toll-like receptor signaling pathway after <i>Vibrio anguillarum</i> infection by targeting TLR14 in miuuy croaker. Fish and Shellfish Immunology, 2016, 58, 67-72.	3.6	57
1995	Dicer1-mediated miRNA processing shapes the mRNA profile and function of murine platelets. Blood, 2016, 127, 1743-1751.	1.4	79
1996	Characterization of long non-coding RNAs involved in cadmium toxic response in <i>Brassica napus</i> . RSC Advances, 2016, 6, 82157-82173.	3.6	32
1997	Curcumin as a MicroRNA Regulator in Cancer: A Review. Reviews of Physiology, Biochemistry and Pharmacology, 2016, 171, 1-38.	1.6	187
1998	Differences in the expression of microRNAs and their predicted gene targets between cauda epididymal and ejaculated boar sperm. Theriogenology, 2016, 86, 2162-2171.	2.1	16
2000	Implications of non-coding RNAs in viral infections. Reviews in Medical Virology, 2016, 26, 356-368.	8.3	20
2001	The Role of MicroRNAs and Their Targets in Osteoarthritis. Current Rheumatology Reports, 2016, 18, 56.	4.7	92
2002	Variation of DNA methylation patterns associated with gene expression in rice (<i>Oryza sativa</i>) exposed to cadmium. Plant, Cell and Environment, 2016, 39, 2629-2649.	5.7	133
2003	Target-dependent biogenesis of cognate microRNAs in human cells. Nature Communications, 2016, 7, 12200.	12.8	32
2004	Circulating miRNAs from blood, plasma or serum as promising clinical biomarkers in oral squamous cell carcinoma: A systematic review of current findings. Oral Oncology, 2016, 63, 30-37.	1.5	34
2005	A human microRNA precursor binding to folic acid discovered by small RNA transcriptomic SELEX. Rna, 2016, 22, 1918-1928.	3.5	9
2006	Regulation of Gene Expression by Exercise-Related Micrnas. Cellular Physiology and Biochemistry, 2016, 39, 2381-2397.	1.6	31
2007	Biomimetic Scaffolds Integrated with Patterns of Exogenous Growth Factors. , 2016, , 255-272.		0
2009	The role of MicroRNAs in human cancer. Signal Transduction and Targeted Therapy, 2016, 1, 15004.	17.1	1,695
2010	Familial non-medullary thyroid cancer: unraveling the genetic maze. Endocrine-Related Cancer, 2016, 23, R577-R595.	3.1	97
2011	Regulatory mechanisms of microRNAs in lung cancer stem cells. SpringerPlus, 2016, 5, 1762.	1.2	19

#	ARTICLE	IF	CITATIONS
2012	MicroRNAs in the thyroid. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2016, 30, 603-619.	4.7	47
2013	Infected erythrocyte-derived extracellular vesicles alter vascular function via regulatory Ago2-miRNA complexes in malaria. <i>Nature Communications</i> , 2016, 7, 12727.	12.8	205
2014	Novel functional microRNAs from virus-free and infected <i>Vitis vinifera</i> plants under water stress. <i>Scientific Reports</i> , 2016, 6, 20167.	3.3	81
2015	Possible tumor suppressive role of the miR-144/451 cluster in esophageal carcinoma as determined by principal component regression analysis. <i>Molecular Medicine Reports</i> , 2016, 14, 3805-3813.	2.4	31
2016	bmo-miR-0001 and bmo-miR-0015 down-regulate expression of <i>Bombyx mori</i> fibroin light chain gene in vitro. <i>Journal of Zhejiang University: Science B</i> , 2016, 17, 127-135.	2.8	4
2017	STAT5a promotes the transcription of mature mmu-miR-135a in 3T3-L1 cells by binding to both miR-135a-1 and miR-135a-2 promoter elements. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 77, 109-119.	2.8	12
2018	Transcriptome deep sequencing, identification of novel microRNAs and validation under drought stress in turmeric (<i>Curcuma longa</i> L.). <i>Plant Biotechnology Reports</i> , 2016, 10, 227-240.	1.5	10
2019	microRNAs and the adolescent brain: Filling the knowledge gap. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 70, 313-322.	6.1	17
2020	Combined small RNA and degradome sequencing to identify miRNAs and their targets in response to drought in foxtail millet. <i>BMC Genetics</i> , 2016, 17, 57.	2.7	56
2021	miR-200a-3p regulates TLR1 expression in bacterial challenged miiuy croaker. <i>Developmental and Comparative Immunology</i> , 2016, 63, 181-186.	2.3	31
2022	Molecular mechanisms and microRNAs in osteosarcoma pathogenesis. <i>Biochemistry (Moscow)</i> , 2016, 81, 315-328.	1.5	100
2023	MicroRNAs in cardiovascular ageing. <i>Journal of Physiology</i> , 2016, 594, 2085-2094.	2.9	44
2024	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
2025	EGFR gene deregulation mechanisms in lung adenocarcinoma: A molecular review. <i>Pathology Research and Practice</i> , 2016, 212, 672-677.	2.3	26
2026	The role of microRNA in abiotic stress response in plants. <i>Molecular Biology</i> , 2016, 50, 337-343.	1.3	26
2027	The role of MicroRNAs in COPD muscle dysfunction and mass loss: implications on the clinic. <i>Expert Review of Respiratory Medicine</i> , 2016, 10, 1011-1022.	2.5	11
2028	MicroRNA-124 inhibits the progression of adjuvant-induced arthritis in rats. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 601-608.	0.9	80
2029	microRNAs in Psoriasis. <i>Journal of Investigative Dermatology</i> , 2016, 136, 365-371.	0.7	108

#	ARTICLE	IF	CITATIONS
2030	miRNA and cholesterol homeostasis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 2041-2046.	2.4	28
2031	Identification and characterization of immune-related microRNAs in blunt snout bream, <i>Megalobrama amblycephala</i> . <i>Fish and Shellfish Immunology</i> , 2016, 49, 470-492.	3.6	33
2032	miR-492G>C polymorphism (rs2289030) is associated with overall survival of hepatocellular carcinoma patients. <i>Tumor Biology</i> , 2016, 37, 8961-8972.	1.8	11
2033	Light-Inducible MiR163 Targets <i>PXMT1</i> Transcripts to Promote Seed Germination and Primary Root Elongation in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2016, 170, 1772-1782.	4.8	51
2034	Epigenetic alterations underlying autoimmune diseases. <i>Autoimmunity</i> , 2016, 49, 69-83.	2.6	79
2035	Regulation of miR-200c/141 expression by intergenic DNA-looping and transcriptional read-through. <i>Nature Communications</i> , 2016, 7, 8959.	12.8	37
2036	Bioinformatic tools for microRNA dissection. <i>Nucleic Acids Research</i> , 2016, 44, 24-44.	14.5	182
2037	Non-coding RNAs: An Introduction. <i>Advances in Experimental Medicine and Biology</i> , 2016, 886, 13-32.	1.6	101
2038	Small non-coding RNAs and their associated proteins in spermatogenesis. <i>Gene</i> , 2016, 578, 141-157.	2.2	49
2039	CircInteractome: A web tool for exploring circular RNAs and their interacting proteins and microRNAs. <i>RNA Biology</i> , 2016, 13, 34-42.	3.1	914
2040	HepatomiRNoma: The proposal of a new network of targets for diagnosis, prognosis and therapy in hepatocellular carcinoma. <i>Critical Reviews in Oncology/Hematology</i> , 2016, 97, 312-321.	4.4	30
2041	MicroRNA and extracellular vesicles in glioblastoma: small but powerful. <i>Brain Tumor Pathology</i> , 2016, 33, 77-88.	1.7	47
2042	Design, Characterization, and Lead Selection of Therapeutic miRNAs Targeting Huntingtin for Development of Gene Therapy for Huntington's Disease. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e297.	5.1	97
2043	Identification and Expression Profiles of microRNA in Dolphin. <i>Zoological Science</i> , 2016, 33, 92.	0.7	3
2044	Wilms Tumor Suppressor, WT1, Cooperates with MicroRNA-26a and MicroRNA-101 to Suppress Translation of the Polycomb Protein, EZH2, in Mesenchymal Stem Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 3785-3795.	3.4	21
2045	Super enhancers at the miR-146a and miR-155 genes contribute to self-regulation of inflammation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 564-571.	1.9	45
2046	Small Genetic Circuits and MicroRNAs: Big Players in Polymerase II Transcriptional Control in Plants. <i>Plant Cell</i> , 2016, 28, 286-303.	6.6	38
2047	The Roles of MicroRNA-141 in Human Cancers: From Diagnosis to Treatment. <i>Cellular Physiology and Biochemistry</i> , 2016, 38, 427-448.	1.6	85

#	ARTICLE	IF	CITATIONS
2048	Profiling cell-free and circulating miRNA: a clinical diagnostic tool for different cancers. <i>Tumor Biology</i> , 2016, 37, 5705-5714.	1.8	56
2049	Transcriptome-wide identification of <i>Rauvolfia serpentina</i> microRNAs and prediction of their potential targets. <i>Computational Biology and Chemistry</i> , 2016, 61, 62-74.	2.3	44
2050	The role of microRNAs in metal carcinogen-induced cell malignant transformation and tumorigenesis. <i>Food and Chemical Toxicology</i> , 2016, 98, 58-65.	3.6	46
2051	Dysregulation of microRNA biogenesis in cancer: the impact of mutant p53 on Drosha complex activity. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016, 35, 45.	8.6	83
2052	The role of microRNAs in cardiac development and regenerative capacity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H528-H541.	3.2	49
2053	MiR-608 rs4919510 is associated with prognosis of hepatocellular carcinoma. <i>Tumor Biology</i> , 2016, 37, 9931-9942.	1.8	8
2054	OP-Triplet-ELM: Identification of real and pseudo microRNA precursors using extreme learning machine with optimal features. <i>Journal of Bioinformatics and Computational Biology</i> , 2016, 14, 1650006.	0.8	1
2055	A novel function for the DEAD-box RNA helicase DDX-23 in primary microRNA processing in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 2016, 409, 459-472.	2.0	17
2056	LMTK3 escapes tumour suppressor miRNAs via sequestration of DDX5. <i>Cancer Letters</i> , 2016, 372, 137-146.	7.2	30
2057	A genome landscape of SRSF3-regulated splicing events and gene expression in human osteosarcoma U2OS cells. <i>Nucleic Acids Research</i> , 2016, 44, 1854-1870.	14.5	112
2058	Muscle-specific microRNAs in skeletal muscle development. <i>Developmental Biology</i> , 2016, 410, 1-13.	2.0	389
2059	MicroRNAs: Non-coding fine tuners of receptor tyrosine kinase signalling in cancer. <i>Seminars in Cell and Developmental Biology</i> , 2016, 50, 133-142.	5.0	27
2060	DIANA-miRGen v3.0: accurate characterization of microRNA promoters and their regulators. <i>Nucleic Acids Research</i> , 2016, 44, D190-D195.	14.5	53
2061	MicroRNAs as biomarkers and prospective therapeutic targets in colon and pancreatic cancers. <i>Tumor Biology</i> , 2016, 37, 97-104.	1.8	11
2062	MicroRNAs in Parasitic Helminthiases: Current Status and Future Perspectives. <i>Trends in Parasitology</i> , 2016, 32, 71-86.	3.3	69
2063	Microguards and micromessengers of the genome. <i>Heredity</i> , 2016, 116, 125-134.	2.6	28
2064	RISC assembly: Coordination between small RNAs and Argonaute proteins. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 71-81.	1.9	247
2065	Epigenetics in NC2 glia cells. <i>Brain Research</i> , 2016, 1638, 183-198.	2.2	19

#	ARTICLE	IF	CITATIONS
2066	The crucial role and regulations of miRNAs in zebrafish development. <i>Protoplasma</i> , 2017, 254, 17-31.	2.1	39
2067	Involvement of FMRP in Primary MicroRNA Processing via Enhancing Drosha Translation. <i>Molecular Neurobiology</i> , 2017, 54, 2585-2594.	4.0	22
2068	Unveiling of miRNA Expression Patterns in Purkinje Cells During Development. <i>Cerebellum</i> , 2017, 16, 376-387.	2.5	19
2069	MicroRNAs, heart failure, and aging: potential interactions with skeletal muscle. <i>Heart Failure Reviews</i> , 2017, 22, 209-218.	3.9	25
2070	MicroRNA-34 directly targets pair-rule genes and cytoskeleton component in the honey bee. <i>Scientific Reports</i> , 2017, 7, 40884.	3.3	21
2071	Circulating Noncoding RNAs as Biomarkers of Cardiovascular Disease and Injury. <i>Circulation Research</i> , 2017, 120, 381-399.	4.5	319
2072	Role of microRNA in metabolic shift during heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H33-H45.	3.2	52
2073	Mutual regulation of microRNAs and DNA methylation in human cancers. <i>Epigenetics</i> , 2017, 12, 187-197.	2.7	116
2074	Epigenetic aspects of rheumatoid arthritis: contribution of non-coding RNAs. <i>Seminars in Arthritis and Rheumatism</i> , 2017, 46, 724-731.	3.4	28
2075	Exploiting microRNAs As Cancer Therapeutics. <i>Targeted Oncology</i> , 2017, 12, 163-178.	3.6	18
2076	Blood-based microRNAs as biomarkers for the diagnosis of colorectal cancer: a systematic review and meta-analysis. <i>British Journal of Cancer</i> , 2017, 116, 762-774.	6.4	110
2078	The p53 protein induces stable miRNAs that have the potential to modify subsequent p53 responses. <i>Gene</i> , 2017, 608, 86-94.	2.2	8
2079	MiRNAs in Malignant Melanoma. , 2017, , 119-175.		0
2080	Conservation and diversification of the miR166 family in soybean and potential roles of newly identified miR166s. <i>BMC Plant Biology</i> , 2017, 17, 32.	3.6	66
2081	Circulating microRNAs and diabetes mellitus: a novel tool for disease prediction, diagnosis, and staging?. <i>Journal of Endocrinological Investigation</i> , 2017, 40, 591-610.	3.3	72
2082	Identification of Arabidopsis genic and non-genic promoters by paired-end sequencing of <sc>TSS</sc> tags. <i>Plant Journal</i> , 2017, 90, 587-605.	5.7	26
2083	Metabolic Inputs into the Epigenome. <i>Cell Metabolism</i> , 2017, 25, 544-558.	16.2	156
2084	Plant Biotechnology: Principles and Applications. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
2085	Drought-Associated MicroRNAs in Plants: Characterization and Functions. , 2017, , 273-294.		0
2087	Characterization of microRNAs in orange-spotted grouper (<i>Epinephelus coioides</i>) fin cells upon red-spotted grouper nervous necrosis virus infection. Fish and Shellfish Immunology, 2017, 63, 228-236.	3.6	49
2088	Inducible microRNA-214 contributes to the suppression of NF- κ B-mediated inflammatory response via targeting myd88 gene in fish. Journal of Biological Chemistry, 2017, 292, 5282-5290.	3.4	73
2089	miRNAs as Biomarkers and Therapeutic Targets in Non-Small Cell Lung Cancer: Current Perspectives. Targeted Oncology, 2017, 12, 179-200.	3.6	91
2090	Regulation of microvascularization in heart failure - an endothelial cell, non-coding RNAs and exosome liaison. Non-coding RNA Research, 2017, 2, 45-55.	4.6	15
2091	Targeting miRNAs by polyphenols: Novel therapeutic strategy for cancer. Seminars in Cancer Biology, 2017, 46, 146-157.	9.6	71
2092	Biogenesis and Function of Ago-Associated RNAs. Trends in Genetics, 2017, 33, 208-219.	6.7	104
2094	bta-miR-23a involves in adipogenesis of progenitor cells derived from fetal bovine skeletal muscle. Scientific Reports, 2017, 7, 43716.	3.3	50
2096	Discovery of Human MicroRNA Precursor Binding to Folic Acid by Small RNA Transcriptomic SELEX. Springer Theses, 2017, , 13-42.	0.1	0
2097	ZEB1 induced miR-99b/let-7e/miR-125a cluster promotes invasion and metastasis in esophageal squamous cell carcinoma. Cancer Letters, 2017, 398, 37-45.	7.2	62
2098	Impact of microRNA dynamics on cancer hallmarks: An oral cancer scenario. Tumor Biology, 2017, 39, 101042831769592.	1.8	54
2099	miRCat2: accurate prediction of plant and animal microRNAs from next-generation sequencing datasets. Bioinformatics, 2017, 33, 2446-2454.	4.1	49
2100	RNA-Binding Proteins in Female Reproductive Pathologies. American Journal of Pathology, 2017, 187, 1200-1210.	3.8	8
2101	Identification and characterization of two RNA silencing suppressors encoded by ophioviruses. Virus Research, 2017, 235, 96-105.	2.2	12
2102	SASP regulation by noncoding RNA. Mechanisms of Ageing and Development, 2017, 168, 37-43.	4.6	66
2103	Expression dynamics of Glycine max (L.) Merrill microRNAs (miRNAs) and their targets during Mungbean yellow mosaic India virus (MYMIV) infection. Physiological and Molecular Plant Pathology, 2017, 100, 13-22.	2.5	21
2104	Role of MicroRNAs in Zygotic Genome Activation: Modulation of mRNA During Embryogenesis. Methods in Molecular Biology, 2017, 1605, 31-43.	0.9	10
2105	microRNAs: Emerging players in oral cancers and inflammatory disorders. Tumor Biology, 2017, 39, 101042831769837.	1.8	20

#	ARTICLE	IF	CITATIONS
2106	Conservation, Divergence, and Abundance of MiRNAs and Their Effect in Plants. RNA Technologies, 2017, , 1-22.	0.3	4
2107	Small RNAs: Master Regulators of Epigenetic Silencing in Plants. RNA Technologies, 2017, , 89-106.	0.3	3
2108	Small non-coding RNA and cancer. Carcinogenesis, 2017, 38, 485-491.	2.8	352
2110	MicroRNA regulation of immune events at conception. Molecular Reproduction and Development, 2017, 84, 914-925.	2.0	23
2111	RNAi-mediated knockdown of mouse melanocortin-4 receptor <i>in vitro</i> and <i>in vivo</i> , using an siRNA expression construct based on the mir-187 precursor. Experimental Animals, 2017, 66, 41-50.	1.1	0
2112	Regulation of expression of human RNA polymerase II-transcribed snRNA genes. Open Biology, 2017, 7, 170073.	3.6	52
2113	Identification and comparative analysis of the pearl oyster Pinctada fucata hemocytes microRNAs in response to Vibrio alginolyticus infection. Genes and Genomics, 2017, 39, 1069-1081.	1.4	4
2114	Molecular interplay of pro-inflammatory transcription factors and non-coding RNAs in esophageal squamous cell carcinoma. Tumor Biology, 2017, 39, 101042831770576.	1.8	19
2116	Alternative Polyadenylation Patterns for Novel Gene Discovery and Classification in Cancer. Neoplasia, 2017, 19, 574-582.	5.3	13
2117	Novel insights of microRNAs in the development of systemic lupus erythematosus. Current Opinion in Rheumatology, 2017, 29, 450-457.	4.3	20
2118	MicroRNA and chronic pain: From mechanisms to therapeutic potential. , 2017, 180, 1-15.		94
2120	The small RNA repertoire in phloem tissue of three Vitis vinifera cultivars. Plant Gene, 2017, 10, 60-73.	2.3	15
2121	MicroRNAs, Long Noncoding RNAs, and Their Functions in Human Disease. Methods in Molecular Biology, 2017, 1617, 1-25.	0.9	115
2122	Genomic Regulation of MicroRNA Expression in Disease Development. Methods in Molecular Biology, 2017, 1617, 159-167.	0.9	1
2123	MicroRNAs in HPV associated cancers: small players with big consequences. Expert Review of Molecular Diagnostics, 2017, 17, 711-722.	3.1	28
2124	microRNAs in Brain Endothelium and Inflammation. , 2017, , 153-173.		1
2125	miR-21 promotes dengue virus serotype 2 replication in HepG2 cells. Antiviral Research, 2017, 142, 169-177.	4.1	44
2127	Impact of somatic copy number alterations on the glioblastoma miRNome: miR-4484 is a genomically deleted tumour suppressor. Molecular Oncology, 2017, 11, 927-944.	4.6	23

#	ARTICLE	IF	CITATIONS
2128	Identification of β -radiation-responsive microRNAs and their target genes in Tradescantia (BNL clone) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	6
2129	Circulating tumor cells and miRNAs as prognostic markers in neuroendocrine neoplasms. Endocrine-Related Cancer, 2017, 24, R223-R237.	3.1	35
2130	A systemic identification approach for primary transcription start site of Arabidopsis miRNAs from multidimensional omics data. Functional and Integrative Genomics, 2017, 17, 353-363.	3.5	4
2131	Role of microRNA in diabetic cardiomyopathy: From mechanism to intervention. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2070-2077.	3.8	72
2133	MicroRNA: an important regulator in acute myeloid leukemia. Cell Biology International, 2017, 41, 936-945.	3.0	25
2134	MicroRNA hsa-miR-29b potentiates etoposide toxicity in HeLa cells via down-regulation of Mcl-1. Toxicology in Vitro, 2017, 40, 289-296.	2.4	16
2135	Sex-specific, reciprocal regulation of β -ER and miR-22 controls muscle lipid metabolism in male mice. EMBO Journal, 2017, 36, 1199-1214.	7.8	31
2136	Role of microRNAs in endocrine cancer metastasis. Molecular and Cellular Endocrinology, 2017, 456, 62-75.	3.2	62
2137	Serum microRNA Expression Profiling: Potential Diagnostic Implications of a Panel of Serum microRNAs for Clear Cell Renal Cell Cancer. Urology, 2017, 104, 64-69.	1.0	45
2138	Role of MicroRNA in the Lung's Innate Immune Response. Journal of Innate Immunity, 2017, 9, 243-249.	3.8	13
2139	MicroRNAs in Lung Development and Disease. Paediatric Respiratory Reviews, 2017, 22, 38-43.	1.8	42
2140	Expression of microRNA in male reproductive tissues and their role in male fertility. Reproduction, Fertility and Development, 2017, 29, 24.	0.4	35
2141	Circulating microRNAs: Possible role as non-invasive diagnostic biomarkers in liver disease. Clinics and Research in Hepatology and Gastroenterology, 2017, 41, 370-377.	1.5	15
2142	Differential Expression of Newly Identified Long Intergenic Non-coding RNAs in Buffalo Oocytes Indicating Their Possible Role in Maturation and Embryonic Development. Journal of Cellular Biochemistry, 2017, 118, 1712-1721.	2.6	4
2143	MicroRNA Implications in Neurodegenerative Disorders. , 2017, , 329-341.		1
2144	MicroRNA-mediated regulation of immune responses to intestinal helminth infections. Parasite Immunology, 2017, 39, e12406.	1.5	22
2146	Crosstalk between Hippo signalling and miRNAs in tumour progression. FEBS Journal, 2017, 284, 1045-1055.	4.7	25
2147	Integrated analysis of mRNA and miRNA expression profiles in Ptychobarbus dipogon and Schizothorax oconnori , insight into genetic mechanisms of high altitude adaptation in the schizothoracine fishes. Gene Reports, 2017, 9, 74-80.	0.8	3

#	ARTICLE	IF	CITATIONS
2148	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.	3.2	58
2149	Molecular Regulation of Cellular Senescence by MicroRNAs: Implications in Cancer and Age-Related Diseases. <i>International Review of Cell and Molecular Biology</i> , 2017, 334, 27-98.	3.2	16
2150	MicroRNAs Associated with Tuberous Root Development. <i>Compendium of Plant Genomes</i> , 2017, , 121-136.	0.5	0
2151	Time-lapse imaging of microRNA activity reveals the kinetics of microRNA activation in single living cells. <i>Scientific Reports</i> , 2017, 7, 12642.	3.3	20
2152	Micro<scp>RNA</scp>s: A novel potential biomarker for diagnosis and therapy in patients with nonâ€small cell lung cancer. <i>Cell Proliferation</i> , 2017, 50, .	5.3	98
2153	FLT1 and transcriptome-wide polyadenylation site (PAS) analysis in preeclampsia. <i>Scientific Reports</i> , 2017, 7, 12139.	3.3	38
2154	Microprocessor Recruitment to Elongating RNA Polymerase II Is Required for Differential Expression of MicroRNAs. <i>Cell Reports</i> , 2017, 20, 3123-3134.	6.4	23
2155	Small RNAs: Big Impact on Plant Development. <i>Trends in Plant Science</i> , 2017, 22, 1056-1068.	8.8	256
2156	Epigenetic modifications of gene expression by lifestyle and environment. <i>Archives of Pharmacal Research</i> , 2017, 40, 1219-1237.	6.3	82
2157	Emerging Role of MicroRNAs and Long Noncoding RNAs in Healthy and Diseased Lung. <i>Advances in Experimental Medicine and Biology</i> , 2017, 967, 343-359.	1.6	7
2158	MicroRNAs in glioblastoma pathogenesis and therapy: A comprehensive review. <i>Critical Reviews in Oncology/Hematology</i> , 2017, 120, 22-33.	4.4	92
2159	Evaluation of a 3-base pair indel polymorphism within pre-microRNA-3131 in patients with prostate cancer using mismatch polymerase chain reaction-restriction fragment length polymorphism. <i>Molecular and Clinical Oncology</i> , 2017, 7, 696-700.	1.0	4
2160	Regulation of Autophagy by MiRNAs and Their Emerging Roles in Tumorigenesis and Cancer Treatment. <i>International Review of Cell and Molecular Biology</i> , 2017, 334, 1-26.	3.2	22
2161	MiR-34c represses muscle development by forming a regulatory loop with Notch1. <i>Scientific Reports</i> , 2017, 7, 9346.	3.3	18
2162	Spinal miRNA-124 regulates synaptopodin and nociception in an animal model of bone cancer pain. <i>Scientific Reports</i> , 2017, 7, 10949.	3.3	36
2163	MiR-525-3p mediates antiviral defense to rotavirus infection by targeting nonstructural protein 1. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 3212-3225.	3.8	10
2164	Folate and microRNA: Bidirectional interactions. <i>Clinica Chimica Acta</i> , 2017, 474, 60-66.	1.1	20
2165	Circulating microRNAs in breast cancer: novel diagnostic and prognostic biomarkers. <i>Cell Death and Disease</i> , 2017, 8, e3045-e3045.	6.3	291

#	ARTICLE	IF	CITATIONS
2166	Improving miRNA Delivery by Optimizing miRNA Expression Cassettes in Diverse Virus Vectors. Human Gene Therapy Methods, 2017, 28, 177-190.	2.1	52
2167	Tiny RNAs and their voyage via extracellular vesicles: Secretion of bacterial small RNA and eukaryotic microRNA. Experimental Biology and Medicine, 2017, 242, 1475-1481.	2.4	61
2168	MicroRNA: Basic concepts and implications for regeneration and repair of neurodegenerative diseases. Biochemical Pharmacology, 2017, 141, 118-131.	4.4	55
2169	Structural Foundations of RNA Silencing by Argonaute. Journal of Molecular Biology, 2017, 429, 2619-2639.	4.2	118
2170	The role of epigenetics in lysosomal storage disorders: Uncharted territory. Molecular Genetics and Metabolism, 2017, 122, 10-18.	1.1	41
2171	Role of G protein-coupled receptors-microRNA interactions in gastrointestinal pathophysiology. American Journal of Physiology - Renal Physiology, 2017, 313, G361-G372.	3.4	9
2172	Animal Models to Study MicroRNA Function. Advances in Cancer Research, 2017, 135, 53-118.	5.0	53
2173	MicroRNAs regulate the main events in rice drought stress response by manipulating the water supply to shoots. Molecular BioSystems, 2017, 13, 2289-2302.	2.9	11
2174	Functional integration of complex miRNA networks in central and peripheral lesion and axonal regeneration. Progress in Neurobiology, 2017, 158, 69-93.	5.7	40
2175	MicroRNA mediated regulation of immunity against gram-negative bacteria. International Reviews of Immunology, 2017, 36, 287-299.	3.3	18
2176	miRNAs: Nanomachines That Micromanage the Pathophysiology of Diabetes Mellitus. Advances in Clinical Chemistry, 2017, 82, 199-264.	3.7	12
2177	MicroRNAs as potential prognosticators of neurological outcome in out-of-hospital cardiac arrest patients. Biomarkers in Medicine, 2017, 11, 1113-1123.	1.4	2
2178	MicroRNAs in orthopaedic research: Disease associations, potential therapeutic applications, and perspectives. Journal of Orthopaedic Research, 2018, 36, 33-51.	2.3	24
2179	Decoding resistant hypertension signalling pathways. Clinical Science, 2017, 131, 2813-2834.	4.3	10
2180	MIR-16-5p mediates a positive feedback loop in EV71-induced apoptosis and suppresses virus replication. Scientific Reports, 2017, 7, 16422.	3.3	31
2181	MicroRNAs and Epigenetics. Advances in Cancer Research, 2017, 135, 189-220.	5.0	91
2182	Inhibition of Porcine Endogenous Retrovirus by Multi-Targeting Micro RNA Against Long Terminal Region. Transplantation Proceedings, 2017, 49, 2225-2232.	0.6	10
2183	Epigenetic regulation mechanisms of microRNA expression. Biomolecular Concepts, 2017, 8, 203-212.	2.2	109

#	ARTICLE	IF	CITATIONS
2184	Up-stream mechanisms for up-regulation of miR-125b from triclosan exposure to zebrafish (Danio) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	4.0	17
2185	Role of microRNA in rheumatoid arthritis. International Journal of Rheumatic Diseases, 2017, 20, 1631-1637.	1.9	54
2186	Circulating miRNA in Early Diagnosis. , 2017, , 875-881.		0
2187	Roles of Non-coding RNAs in Respiratory Syncytial Virus (RSV) Infection. Current Topics in Microbiology and Immunology, 2017, 419, 215-241.	1.1	0
2188	Identification and characterization of the Chinese giant salamander (Andrias davidianus) miRNAs by deep sequencing and predication of their targets. 3 Biotech, 2017, 7, 235.	2.2	5
2189	The roles of microRNAs in regulation of mammalian spermatogenesis. Journal of Animal Science and Biotechnology, 2017, 8, 35.	5.3	88
2190	MicroRNA-Directed Neuronal Reprogramming as a Therapeutic Strategy for Neurological Diseases. Molecular Neurobiology, 2017, 55, 4428-4436.	4.0	10
2191	MicroRNA in glutamate receptor-dependent neurological diseases. Clinical Science, 2017, 131, 1591-1604.	4.3	11
2192	Current Treatment Options for Fuchs Endothelial Dystrophy. , 2017, , .		2
2193	Potential relevance of microRNAs in inter-species epigenetic communication, and implications for disease pathogenesis. RNA Biology, 2017, 14, 391-401.	3.1	43
2194	MicroRNAs in FECD: A New Therapeutic Option?. , 2017, , 17-24.		0
2195	Striated muscle activator of Rho signalling (STARS) is reduced in ageing human skeletal muscle and targeted by miR-28. Acta Physiologica, 2017, 220, 263-274.	3.8	16
2196	Expressed microRNA associated with high rate of egg production in chicken ovarian follicles. Animal Genetics, 2017, 48, 205-216.	1.7	40
2197	Regulation of body growth by microRNAs. Molecular and Cellular Endocrinology, 2017, 456, 2-8.	3.2	20
2198	Recent trends in microRNA research into breast cancer with particular focus on the associations between microRNAs and intrinsic subtypes. Journal of Human Genetics, 2017, 62, 15-24.	2.3	122
2199	Mitochondrial dysfunction and its impact on diabetic heart. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1098-1105.	3.8	53
2200	Applications of Extracellular RNAs in Oncology. Molecular Diagnosis and Therapy, 2017, 21, 1-11.	3.8	7
2201	MicroRNAs in a hypertrophic heart: from foetal life to adulthood. Biological Reviews, 2017, 92, 1314-1331.	10.4	8

#	ARTICLE	IF	CITATIONS
2202	Current progress on <scp>microRNAs</scp>â€based therapeutics in neurodegenerative diseases. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1409.	6.4	26
2203	Dicer generates a regulatory microRNA network in smooth muscle cells that limits neointima formation during vascular repair. Cellular and Molecular Life Sciences, 2017, 74, 359-372.	5.4	20
2205	miRNA. , 2017, , 329-343.		2
2206	miR430: the novel heat-responsive microRNA identified from miRNome analysis in wheat (Triticum) Tj ETQq1 1 0.784314 rgBTj /Overlock	0.8	6
2207	Emerging Roles for MicroRNAs in Diabetic Microvascular Disease: Novel Targets for Therapy. Endocrine Reviews, 2017, 38, 145-168.	20.1	141
2208	MicroRNAâ€23a/24â€2/27a as a potential diagnostic biomarker for cancer: A systematic review and metaâ€analysis. Molecular and Clinical Oncology, 2017, 8, 159-169.	1.0	18
2209	Radiation induced transcriptional and post-transcriptional regulation of the hsa-miR-23a ~ 27a ~ 24-2 cluster suppresses apoptosis by stabilizing XIAP. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2017, 1860, 1127-1137.	1.9	13
2210	Capâ€seq reveals complicated miRNA transcriptional mechanisms in <i>C. elegans</i> and mouse. Quantitative Biology, 2017, 5, 352-367.	0.5	14
2211	Making and Maintaining microRNAs in Animals. , 2017, , 1-17.		0
2213	Non-coding RNAs in exercise. Non-coding RNA Investigation, 0, 1, 10-10.	0.6	3
2214	Argonaute-1 Machinery Silent Cancer Noises. Cancer Surgery, 2017, 01, .	0.0	0
2215	Virus-Based MicroRNA Silencing and Overexpressing in Common Wheat (Triticum aestivum L.). Frontiers in Plant Science, 2017, 8, 500.	3.6	29
2216	Identification, Characterization, and Functional Validation of Drought-responsive MicroRNAs in Subtropical Maize Inbreds. Frontiers in Plant Science, 2017, 8, 941.	3.6	74
2217	Uncovering Male Fertility Transition Responsive miRNA in a Wheat Photo-Thermosensitive Genic Male Sterile Line by Deep Sequencing and Degradome Analysis. Frontiers in Plant Science, 2017, 8, 1370.	3.6	38
2218	MicroRNA expression in bone marrow-derived human multipotent Stromal cells. BMC Genomics, 2017, 18, 605.	2.8	10
2219	MicroRNAs as Important Players in Hostâ€Adenovirus Interactions. Frontiers in Microbiology, 2017, 8, 1324.	3.5	11
2220	The expression profile and clinical significance of circRNA0003906 in colorectal cancer. OncoTargets and Therapy, 2017, Volume 10, 5187-5193.	2.0	48
2221	microRNA Decay: Refining microRNA Regulatory Activity. MicroRNA (Shariqah, United Arab Emirates), 2017, 5, 167-174.	1.2	20

#	ARTICLE	IF	CITATIONS
2222	Post-Transcriptional Mechanisms of Neuronal Translational Control in Synaptic Plasticity. , 2017, , .		1
2223	Transcriptome integration analysis in hepatocellular carcinoma reveals discordant intronic miRNA-host gene pairs in expression. International Journal of Biological Sciences, 2017, 13, 1438-1449.	6.4	18
2224	MicroRNAs in Inflammatory Lung Disease. , 2017, , 135-177.		0
2225	Characterization and Function of MicroRNA—s in Plants. Frontiers in Plant Science, 2017, 8, 2200.	3.6	83
2226	MicroRNAs in Idiopathic Pulmonary Fibrosis. , 2017, , 179-202.		3
2227	Association of miR-938>A Polymorphisms with Primary Ovarian Insufficiency (POI)-Related Gene Expression. International Journal of Molecular Sciences, 2017, 18, 1255.	4.1	14
2228	Diabetic Cardiomyopathy: An Immunometabolic Perspective. Frontiers in Endocrinology, 2017, 8, 72.	3.5	60
2229	MicroRNA Exocytosis by Vesicle Fusion in Neuroendocrine Cells. Frontiers in Endocrinology, 2017, 8, 355.	3.5	7
2230	MiRNAs in $\hat{2}$ -Cell Development, Identity, and Disease. Frontiers in Genetics, 2016, 7, 226.	2.3	49
2231	Circulating microRNAs as Potential Biomarkers of Infectious Disease. Frontiers in Immunology, 2017, 8, 118.	4.8	189
2232	The Clinical Application of MicroRNAs in Infectious Disease. Frontiers in Immunology, 2017, 8, 1182.	4.8	134
2233	The Role of HCMV and HIV-1 MicroRNAs: Processing, and Mechanisms of Action during Viral Infection. Frontiers in Microbiology, 2017, 8, 689.	3.5	27
2234	Viruses and miRNAs: More Friends than Foes. Frontiers in Microbiology, 2017, 8, 824.	3.5	181
2235	MicroRNAs in Taenia solium Neurocysticercosis: Insights as Promising Agents in Host-Parasite Interaction and Their Potential as Biomarkers. Frontiers in Microbiology, 2017, 8, 1905.	3.5	10
2236	MotomiRs: miRNAs in Motor Neuron Function and Disease. Frontiers in Molecular Neuroscience, 2017, 10, 127.	2.9	26
2237	Methods of MicroRNA Promoter Prediction and Transcription Factor Mediated Regulatory Network. BioMed Research International, 2017, 2017, 1-8.	1.9	50
2238	Epigenetics and Muscle Dysfunction in Chronic Obstructive Pulmonary Disease. , 2017, , 73-95.		0
2239	Decoding Noncoding RNAs: Role of MicroRNAs and Long Noncoding RNAs in Ocular Neovascularization. Theranostics, 2017, 7, 3155-3167.	10.0	40

#	ARTICLE	IF	CITATIONS
2240	Bone microRNAs and Ageing. Current Pharmaceutical Biotechnology, 2017, 18, 210-220.	1.6	18
2241	Genome-wide analysis of DUF221 domain-containing gene family in Oryza species and identification of its salinity stress-responsive members in rice. PLoS ONE, 2017, 12, e0182469.	2.5	39
2242	SUMO1 modification of KHSRP regulates tumorigenesis by preventing the TL-G-Rich miRNA biogenesis. Molecular Cancer, 2017, 16, 157.	19.2	25
2243	The roles of miRNAs in human breast cancer and canine mammary tumor. Applied Cancer Research, 2017, 37, .	1.0	10
2244	Down syndrome and microRNAs (Review). Biomedical Reports, 2017, 8, 11-16.	2.0	27
2245	The Role of miRNAs in Diagnosis, Prognosis and Treatment Prediction in Cervical Cancer. , 2017, , .		5
2246	Association of GEMIN4 gene polymorphism and the risk of cancer: a meta-analysis. OncoTargets and Therapy, 2017, Volume 10, 5263-5271.	2.0	3
2247	Targeting noncoding RNAs in disease. Journal of Clinical Investigation, 2017, 127, 761-771.	8.2	527
2248	MicroRNAs: pleiotropic players in congenital heart disease and regeneration. Journal of Thoracic Disease, 2017, 9, S64-S81.	1.4	44
2249	Comprehensive Measurement of Gene Silencing Involving Endogenous MicroRNAs in Mammalian Cells. Methods in Molecular Biology, 2018, 1733, 181-192.	0.9	1
2250	Plant microRNAs: Front line players against invading pathogens. Microbial Pathogenesis, 2018, 118, 9-17.	2.9	48
2251	Quantitative Models for Microscopic to Macroscopic Biological Macromolecules and Tissues. , 2018, , .		3
2252	MicroRNAs: tiny molecules with a significant role in mammalian follicular and oocyte development. Reproduction, 2018, 155, R121-R135.	2.6	64
2253	MicroRNAs, Gene's Regulator in Prostate Cancer. , 2018, , 21-36.		0
2254	Identification of miRNAs linked with the drought response of tef [Eragrostis tef (Zucc.) Trotter]. Journal of Plant Physiology, 2018, 224-225, 163-172.	3.5	13
2255	Bta-miR-2411 attenuates bovine viral diarrhea virus replication via directly suppressing Pelota protein in Madin-Darby bovine kidney cells. Veterinary Microbiology, 2018, 215, 43-48.	1.9	21
2256	Evaluation of CpG-SNPs in miRNA promoters and risk of breast cancer. Gene, 2018, 651, 1-8.	2.2	15
2257	Antiviral Immunity and Virus-Mediated Antagonism in Disease Vector Mosquitoes. Trends in Microbiology, 2018, 26, 447-461.	7.7	58

#	ARTICLE	IF	CITATIONS
2258	TDP43 and RNA instability in amyotrophic lateral sclerosis. <i>Brain Research</i> , 2018, 1693, 67-74.	2.2	39
2259	MicroRNA-Based Drugs for Brain Tumors. <i>Trends in Cancer</i> , 2018, 4, 222-238.	7.4	54
2260	Exploring the Potential Application of Short Non-Coding RNA-Based Genetic Circuits in Chinese Hamster Ovary Cells. <i>Biotechnology Journal</i> , 2018, 13, e1700220.	3.5	8
2261	Synthetic MicroProteins: Versatile Tools for Posttranslational Regulation of Target Proteins. <i>Plant Physiology</i> , 2018, 176, 3136-3145.	4.8	22
2262	The role of the miR-200 family in epithelial-mesenchymal transition in colorectal cancer: a systematic review. <i>International Journal of Cancer</i> , 2018, 142, 2501-2511.	5.1	74
2263	Role of micro-RNAs in breast cancer surgery. <i>British Journal of Surgery</i> , 2018, 105, e19-e30.	0.3	11
2264	MicroRNA Protocols. <i>Methods in Molecular Biology</i> , 2018, , .	0.9	4
2265	The MicroRNA. <i>Methods in Molecular Biology</i> , 2018, 1733, 1-25.	0.9	19
2266	Gene Silencing In Vitro and In Vivo Using Intronic MicroRNAs. <i>Methods in Molecular Biology</i> , 2018, 1733, 107-126.	0.9	4
2267	Beyond the genetic code in leaf senescence. <i>Journal of Experimental Botany</i> , 2018, 69, 801-810.	4.8	45
2268	Phylogeny and Molecular Evolution of miR820 and miR396 microRNA Families in <i>Oryza AA</i> Genomes. <i>Tropical Plant Biology</i> , 2018, 11, 1-16.	1.9	6
2269	HN1L Promotes Triple-Negative Breast Cancer Stem Cells through LEPR-STAT3 Pathway. <i>Stem Cell Reports</i> , 2018, 10, 212-227.	4.8	42
2270	Control the intracellular NF- κ B activity by a sensor consisting of miRNA and decoy. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 95, 43-52.	2.8	15
2271	Secretory microRNAs as biomarkers of cancer. <i>Seminars in Cell and Developmental Biology</i> , 2018, 78, 22-36.	5.0	81
2272	Friend or Foe: MicroRNAs in the p53 network. <i>Cancer Letters</i> , 2018, 419, 96-102.	7.2	29
2273	Plant microRNAs in molecular breeding. <i>Plant Biotechnology Reports</i> , 2018, 12, 15-25.	1.5	15
2274	The Evolving Role of MicroRNAs in Endothelial Cell Dysfunction in Response to Infection. <i>Seminars in Thrombosis and Hemostasis</i> , 2018, 44, 216-223.	2.7	7
2275	Regulation of primary microRNA processing. <i>FEBS Letters</i> , 2018, 592, 1980-1996.	2.8	57

#	ARTICLE	IF	CITATIONS
2276	Dysregulation of microRNAs in autoimmune diseases: Pathogenesis, biomarkers and potential therapeutic targets. <i>Cancer Letters</i> , 2018, 428, 90-103.	7.2	122
2277	Identification of Potential MicroRNA Biomarkers by Meta-analysis. <i>Methods in Molecular Biology</i> , 2018, 1762, 473-484.	0.9	3
2278	Gene locations may contribute to predicting gene regulatory relationships. <i>Journal of Zhejiang University: Science B</i> , 2018, 19, 25-37.	2.8	1
2279	D-2-Hydroxyglutarate Is Necessary and Sufficient for Isocitrate Dehydrogenase 1 Mutantâ€“Induced <i>MIR148A</i> Promoter Methylation. <i>Molecular Cancer Research</i> , 2018, 16, 947-960.	3.4	8
2280	Impact of dietary compounds on cancer-related gut microbiota and microRNA. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4291-4303.	3.6	15
2281	Metazoan MicroRNAs. <i>Cell</i> , 2018, 173, 20-51.	28.9	2,775
2282	MicroRNA-24 regulates vascular remodeling via inhibiting PDGF-BB pathway in diabetic rat model. <i>Gene</i> , 2018, 659, 67-76.	2.2	20
2283	MiR-124 induces autophagy-related cell death in cholangiocarcinoma cells through direct targeting of the EZH2â€“STAT3 signaling axis. <i>Experimental Cell Research</i> , 2018, 366, 103-113.	2.6	36
2284	Cruciferous vegetables and colorectal cancer prevention through microRNA regulation: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2018, 58, 2026-2038.	10.3	35
2285	MicroRNA Metabolism and Dysregulation in Amyotrophic Lateral Sclerosis. <i>Molecular Neurobiology</i> , 2018, 55, 2617-2630.	4.0	51
2286	Dual MicroRNA to Cellular Prion Protein Inhibits Propagation of Pathogenic Prion Protein in Cultured Cells. <i>Molecular Neurobiology</i> , 2018, 55, 2384-2396.	4.0	9
2287	MicroRNAs as potential biomarkers to predict the risk of urinary retention following intradetrusor onabotulinumtoxinâ€“A injection. <i>Neurourology and Urodynamics</i> , 2018, 37, 99-105.	1.5	8
2288	MicroRNAs: Roles in Regulating Neuroinflammation. <i>Neuroscientist</i> , 2018, 24, 221-245.	3.5	184
2289	MicroRNAs in Psychological Stress Reactions and Their Use as Stress-Associated Biomarkers, Especially in Human Saliva. <i>Biomedicine Hub</i> , 2018, 2, 1-15.	1.2	20
2290	Circulating miRNAs in nontumoral liver diseases. <i>Pharmacological Research</i> , 2018, 128, 274-287.	7.1	19
2291	Suppression of microRNA Activity in Kidney Collecting Ducts Induces Partial Loss of Epithelial Phenotype and Renal Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 518-531.	6.1	46
2292	Association of rs1057035 polymorphism in microRNA biogenesis pathway gene (DICER1) with azoospermia among Iranian population. <i>Genes and Genomics</i> , 2018, 40, 17-24.	1.4	8
2293	Evaluation and control of miRNA-like off-target repression for RNA interference. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 797-814.	5.4	75

#	ARTICLE	IF	CITATIONS
2294	MicroRNAs as Clinical Biomarkers and Therapeutic Tools in Perioperative Medicine. <i>Anesthesia and Analgesia</i> , 2018, 126, 670-681.	2.2	65
2295	Emerging roles of DROSHA beyond primary microRNA processing. <i>RNA Biology</i> , 2018, 15, 186-193.	3.1	40
2296	XIST/miR-544 axis induces neuropathic pain by activating STAT3 in a rat model. <i>Journal of Cellular Physiology</i> , 2018, 233, 5847-5855.	4.1	44
2297	DDX5/p68 associated lncRNA LOC284454 is differentially expressed in human cancers and modulates gene expression. <i>RNA Biology</i> , 2018, 15, 214-230.	3.1	24
2298	MicroRNA expression patterns in tail fat of different breeds of sheep. <i>Livestock Science</i> , 2018, 207, 7-14.	1.6	15
2299	The role of microRNAs in chronic respiratory disease: recent insights. <i>Biological Chemistry</i> , 2018, 399, 219-234.	2.5	67
2300	Dynamic transcriptional control of macrophage miRNA signature via inflammation responsive enhancers revealed using a combination of next generation sequencing-based approaches. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 14-28.	1.9	8
2301	Emerging Roles of the Nuclear Cap-Binding Complex in Abiotic Stress Responses. <i>Plant Physiology</i> , 2018, 176, 242-253.	4.8	20
2302	Establishment of a non-coding RNAomics screening platform for the regulation of KRAS in pancreatic cancer by RNA sequencing. <i>International Journal of Oncology</i> , 2018, 53, 2659-2670.	3.3	5
2303	MicroRNA-552 links Wnt signaling to p53 tumor suppressor in colorectal cancer. <i>International Journal of Oncology</i> , 2018, 53, 1800-1808.	3.3	19
2304	Cooperative and Independent Functions of the miR-23a~27a~24-2 Cluster in Bovine Adipocyte Adipogenesis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3957.	4.1	22
2305	Tracking microRNA Processing Signals by Degradome Sequencing Data Analysis. <i>Frontiers in Genetics</i> , 2018, 9, 546.	2.3	10
2306	RNA Association, RNA Interference, and microRNA Pathways in Dengue Fever Virus-Host Interaction. , 2018, , .		1
2307	Small non-coding RNA expression in mouse nephrogenic mesenchymal progenitors. <i>Scientific Data</i> , 2018, 5, 180218.	5.3	5
2308	Role of Next-Generation RNA-Seq Data in Discovery and Characterization of Long Non-Coding RNA in Plants. , 0, , .		5
2309	miRNAs as biofluid markers for diagnostics of Alzheimer's disease: recent status and perspectives. <i>General Physiology and Biophysics</i> , 2018, 37, 495-514.	0.9	2
2310	Targeting Non-coding RNA in Vascular Biology and Disease. <i>Frontiers in Physiology</i> , 2018, 9, 1655.	2.8	50
2312	In silico identification and characterization of a diverse subset of conserved microRNAs in bioenergy crop <i>Arundo donax</i> L. <i>Scientific Reports</i> , 2018, 8, 16667.	3.3	9

#	ARTICLE	IF	CITATIONS
2313	miR-144/451 cluster plays an oncogenic role in esophageal cancer by inhibiting cell invasion. Cancer Cell International, 2018, 18, 184.	4.1	20
2314	RNome: Evolution and Nature. , 2018, , 1-78.		0
2315	Barriers and Advances in Kidney Preservation. BioMed Research International, 2018, 2018, 1-15.	1.9	25
2316	The Doubletime Homolog<i>KIN-20</i>Mainly Regulates<i>let-7</i>Independently of Its Effects on the Period Homolog<i>LIN-42</i>in<i>Caenorhabditis elegans</i>. G3: Genes, Genomes, Genetics, 2018, 8, 2617-2629.	1.8	4
2317	Potential Application of MicroRNA Profiling to the Diagnosis and Prognosis of HIV-1 Infection. Frontiers in Microbiology, 2018, 9, 3185.	3.5	28
2318	microRNAs Sculpt Neuronal Communication in a Tight Balance That Is Lost in Neurological Disease. Frontiers in Molecular Neuroscience, 2018, 11, 455.	2.9	47
2320	Non-Coding RNA in Pancreas and β^2 -Cell Development. Non-coding RNA, 2018, 4, 41.	2.6	37
2321	MicroRNA single nucleotide polymorphisms and diabetes mellitus: A comprehensive review. Clinical Genetics, 2019, 95, 451-461.	2.0	24
2322	Physiological and Pathological Functions of Mammalian MicroRNAs. , 2018, , 592-625.		0
2323	microRNAs in Neurodegeneration: Current Findings and Potential Impacts. , 2018, 08, .		37
2324	Role of circulating miRNAs in the pathophysiology of CVD: As a potential biomarker. Gene Reports, 2018, 13, 146-150.	0.8	3
2325	Sepiapterin alleviates impaired gastric nNOS function in spontaneous diabetic female rodents through NRF2 mRNA turnover and miRNA biogenesis pathway. American Journal of Physiology - Renal Physiology, 2018, 315, G980-G990.	3.4	12
2326	Non-coding RNA in Ischemic and Non-ischemic Cardiomyopathy. Current Cardiology Reports, 2018, 20, 115.	2.9	15
2327	MicroRNAs and DNA-Damaging Drugs in Breast Cancer: Strength in Numbers. Frontiers in Oncology, 2018, 8, 352.	2.8	13
2328	Novel Roles of Non-Coding RNAs in Opioid Signaling and Cardioprotection. Non-coding RNA, 2018, 4, 22.	2.6	13
2329	MicroRNA Functions in Thymic Biology: Thymic Development and Involution. Frontiers in Immunology, 2018, 9, 2063.	4.8	19
2330	MicroRNAs from plants to animals, do they define a new messenger for communication?. Nutrition and Metabolism, 2018, 15, 68.	3.0	94
2331	Puerarin Inhibits Proliferation and Induces Apoptosis by Upregulation of miR-16 in Bladder Cancer Cell Line T24. Oncology Research, 2018, 26, 1227-1234.	1.5	20

#	ARTICLE	IF	CITATIONS
2332	Target RNAs Strike Back on MicroRNAs. <i>Frontiers in Genetics</i> , 2018, 9, 435.	2.3	69
2333	Cell-Free Circulating Nucleic Acids as Early Biomarkers for NAFLD and NAFLD-Associated Disorders. <i>Frontiers in Physiology</i> , 2018, 9, 1256.	2.8	24
2334	Intracytoplasmic Re-localization of miRISC Complexes. <i>Frontiers in Genetics</i> , 2018, 9, 403.	2.3	16
2335	Emerging Role of mTOR Signaling-Related miRNAs in Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-23.	4.0	32
2336	MicroRNA-148b-3p is involved in regulating hypoxia/reoxygenation-induced injury of cardiomyocytes in vitro through modulating SIRT7/p53 signaling. <i>Chemico-Biological Interactions</i> , 2018, 296, 211-219.	4.0	33
2337	Short fish-origin DNA elements served as flanking sequences in a knockdown cloning vector enabling the generation of a functional siRNA molecule in mammalian cells and fish embryos. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 850-857.	2.1	0
2338	The Role of MicroRNAs in Hepatocellular Carcinoma. <i>Journal of Cancer</i> , 2018, 9, 3557-3569.	2.5	128
2339	MicroRNA-small molecule association identification: from experimental results to computational models. <i>Briefings in Bioinformatics</i> , 2018, , .	6.5	105
2340	6mer seed toxicity in tumor suppressive microRNAs. <i>Nature Communications</i> , 2018, 9, 4504.	12.8	37
2341	Microprocessor-dependent processing of splice site overlapping microRNA exons does not result in changes in alternative splicing. <i>Rna</i> , 2018, 24, 1158-1171.	3.5	12
2342	The biological functions of target genes in pan-cancers and cell lines were predicted by miR-375 microarray data from GEO database and bioinformatics. <i>PLoS ONE</i> , 2018, 13, e0206689.	2.5	4
2343	Tumor suppressive miR-6775-3p inhibits ESCC progression through forming a positive feedback loop with p53 via MAGE-A family proteins. <i>Cell Death and Disease</i> , 2018, 9, 1057.	6.3	19
2344	MicroRNAs Role in Prostate Cancer. <i>Methods in Molecular Biology</i> , 2018, 1856, 103-117.	0.9	16
2345	Deciphering the Far-Reaching Functions of Non-coding RNA in Colorectal Cancer. <i>Current Colorectal Cancer Reports</i> , 2018, 14, 115-127.	0.5	0
2346	Effect of dietary components on miRNA and colorectal carcinogenesis. <i>Cancer Cell International</i> , 2018, 18, 130.	4.1	24
2347	Are microRNAs Important Players in HIV-1 Infection? An Update. <i>Viruses</i> , 2018, 10, 110.	3.3	61
2348	Noncoding RNAs in Retrovirus Replication. , 2018, , 421-478.		1
2349	Cancer Epigenetics for Precision Medicine. <i>Methods in Molecular Biology</i> , 2018, , .	0.9	0

#	ARTICLE	IF	CITATIONS
2350	The emerging roles of the polycistronic miR-106b~1/425 cluster in cancer – A comprehensive review. Biomedicine and Pharmacotherapy, 2018, 107, 1183-1195.	5.6	37
2351	Crosstalk between MicroRNAs and Autophagy in Adult Neurogenesis: Implications for Neurodegenerative Disorders. Brain Plasticity, 2018, 3, 195-203.	3.5	8
2352	Measurement of the Lateral Charge Distribution in Silicon Generated by High-Energy Ion Incidence. , 2018,, .		0
2353	Evaluation of Time Resolution and Comparison of Modern Silicon Photomultipliers. , 2018,, .		1
2354	MicroRNA Dysregulation in Pulmonary Arteries from Chronic Obstructive Pulmonary Disease. Relationships with Vascular Remodeling. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 490-499.	2.9	34
2355	Exosomes, Stem Cells and MicroRNA. Advances in Experimental Medicine and Biology, 2018,, .	1.6	1
2356	Distinguishing mirtrons from canonical miRNAs with data exploration and machine learning methods. Scientific Reports, 2018, 8, 7560.	3.3	34
2357	Alteration of MicroRNA Biogenesis Pathways in Cancers. , 2018,, 47-58.		2
2358	MicroRNAs in Exosomes in Cancer. , 2018,, 59-78.		4
2359	A critical and speculative review on microRNA technology in crop improvement: Current challenges and future directions. Plant Science, 2018, 274, 193-200.	3.6	33
2360	Uncovering key small RNAs associated with gametocidal action in wheat. Journal of Experimental Botany, 2018, 69, 4739-4756.	4.8	4
2361	Global characterization of the Dicer-like protein DrnB roles in miRNA biogenesis in the social amoeba <i>Dictyostelium discoideum</i> . RNA Biology, 2018, 15, 937-954.	3.1	9
2362	Negative Regulation of Kruppel-Like Factor 4 on microRNA-106a at Upstream Transcriptional Level and the Role in Gastric Cancer Metastasis. Digestive Diseases and Sciences, 2018, 63, 2604-2616.	2.3	6
2363	miRNA Biogenesis. Methods in Molecular Biology, 2018,, .	0.9	1
2364	Rs4759314 polymorphism located in HOTAIR is associated with the risk of congenital heart disease by alternating downstream signaling via reducing its expression. Journal of Cellular Biochemistry, 2018, 119, 8112-8122.	2.6	12
2365	The Challenges and Opportunities in the Clinical Application of Noncoding RNAs: The Road Map for miRNAs and piRNAs in Cancer Diagnostics and Prognostics. International Journal of Genomics, 2018, 2018, 1-18.	1.6	34
2366	Developmental Origins of Health and Disease (DOHaD). Advances in Experimental Medicine and Biology, 2018,, .	1.6	1
2367	Endometriosis Malignant Transformation: Epigenetics as a Probable Mechanism in Ovarian Tumorigenesis. International Journal of Genomics, 2018, 2018, 1-13.	1.6	15

#	ARTICLE	IF	CITATIONS
2368	Metabolic Pulse-Chase RNA Labeling for pri-miRNA Processing Dynamics. <i>Methods in Molecular Biology</i> , 2018, 1823, 33-41.	0.9	1
2369	Circulating MicroRNAs as Biomarkers of Gestational Diabetes Mellitus: Updates and Perspectives. <i>International Journal of Endocrinology</i> , 2018, 2018, 1-11.	1.5	49
2370	MicroRNA and Microvascular Complications of Diabetes. <i>International Journal of Endocrinology</i> , 2018, 2018, 1-20.	1.5	55
2371	At the heart of programming: the role of micro-RNAs. <i>Journal of Developmental Origins of Health and Disease</i> , 2018, 9, 615-631.	1.4	6
2372	High resolution annotation of zebrafish transcriptome using long-read sequencing. <i>Genome Research</i> , 2018, 28, 1415-1425.	5.5	69
2373	Host Epigenetic Modifications in <i>Mycobacterium tuberculosis</i> Infection: A Boon or Bane. , 2018, , 39-55.		4
2374	Biological Oscillators in Nanonetworksâ€”Opportunities and Challenges. <i>Sensors</i> , 2018, 18, 1544.	3.8	16
2376	Epstein-Barr virus-encoded microRNAs as regulators in host immune responses. <i>International Journal of Biological Sciences</i> , 2018, 14, 565-576.	6.4	67
2377	Cancer Diagnosis Through IsomiR Expression with Machine Learning Method. <i>Current Bioinformatics</i> , 2018, 13, 57-63.	1.5	138
2378	â€¢ RNA Uridylation in Epitranscriptomics, Gene Regulation, and Disease. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 61.	3.5	45
2379	STAT3 signaling stimulates miR-21 expression in bovine cumulus cells during in vitro oocyte maturation. <i>Scientific Reports</i> , 2018, 8, 11527.	3.3	35
2380	Arsenic trioxide-mediated suppression of miR-182-5p is associated with potent anti-oxidant effects through up-regulation of <i>SESN2</i> . <i>Oncotarget</i> , 2018, 9, 16028-16042.	1.8	14
2381	Regulation of MicroRNAs-Mediated Autophagic Flux: A New Regulatory Avenue for Neurodegenerative Diseases With Focus on Prion Diseases. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 139.	3.4	25
2382	MiRNAs at the Crossroads between Innate Immunity and Cancer: Focus on Macrophages. <i>Cells</i> , 2018, 7, 12.	4.1	38
2383	MicroRNAs and type 2 diabetes mellitus: Molecular mechanisms and the effect of antidiabetic drug treatment. <i>Metabolism: Clinical and Experimental</i> , 2018, 87, 48-55.	3.4	65
2384	Identification and characterization of miRNA transcriptome in <i>Jatropha curcas</i> by high-throughput sequencing. <i>Plant Gene</i> , 2018, 15, 44-50.	2.3	2
2385	The miRNA Mirage: How Close Are We to Finding a Non-Invasive Diagnostic Biomarker in Endometriosis? A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2018, 19, 599.	4.1	86
2386	MicroRNA Control of TGF- β 2 Signaling. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1901.	4.1	102

#	ARTICLE	IF	CITATIONS
2387	RNA Interference Therapies for an HIV-1 Functional Cure. <i>Viruses</i> , 2018, 10, 8.	3.3	36
2388	Novel Strategies for Engineering Resistance to Plant Viral Diseases. , 2018, , 145-174.		2
2389	Chronic Cigarette Smoke Exposure Subdues PP2A Activity by Enhancing Expression of the Oncogene CIP2A. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 695-705.	2.9	22
2390	Noncanonical functions of microRNA pathway enzymes – Drosha, DGCR8, Dicer and Ago proteins. <i>FEBS Letters</i> , 2018, 592, 2973-2986.	2.8	88
2391	Expression regulation of a mature intronic miR3029 by 5' UTR-like. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	0
2392	Vitamin D and MicroRNAs. , 2018, , 245-267.		0
2393	Inhibiting Pri-miRNA Processing with Target Site Blockers. <i>Methods in Molecular Biology</i> , 2018, 1823, 63-68.	0.9	7
2394	Involvement of Noncoding RNAs in Stress-Related Neuropsychiatric Diseases Caused by DOHaD Theory. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1012, 49-59.	1.6	6
2395	The Emerging Roles of microRNAs in Stem Cell Aging. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1056, 11-26.	1.6	10
2396	Comparing miRNA structure of mirtrons and non-mirtrons. <i>BMC Genomics</i> , 2018, 19, 114.	2.8	20
2397	MiR-23a transcriptional activated by Runx2 increases metastatic potential of mouse hepatoma cell via directly targeting Mgat3. <i>Scientific Reports</i> , 2018, 8, 7366.	3.3	33
2398	Highly preserved roles of Brassica MIR172 in polyploid Brassicas: ectopic expression of variants of Brassica MIR172 accelerates floral transition. <i>Molecular Genetics and Genomics</i> , 2018, 293, 1121-1138.	2.1	16
2399	Ovarian extracellular MicroRNAs as the potential non-invasive biomarkers: An update. <i>Biomedicine and Pharmacotherapy</i> , 2018, 106, 1633-1640.	5.6	11
2400	Vesicles bearing gifts: the functional importance of micro-RNA transfer in extracellular vesicles in chronic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1430-F1443.	2.7	17
2401	Essential role of MED1 in the transcriptional regulation of ER-dependent oncogenic miRNAs in breast cancer. <i>Scientific Reports</i> , 2018, 8, 11805.	3.3	10
2402	The Diverse Roles of microRNAs at the Host–Virus Interface. <i>Viruses</i> , 2018, 10, 440.	3.3	87
2403	In silico identification of microRNAs predicted to regulate N-myristoyltransferase and Methionine Aminopeptidase 2 functions in cancer and infectious diseases. <i>PLoS ONE</i> , 2018, 13, e0194612.	2.5	5
2404	RNA Degradation in Neurodegenerative Disease. <i>Advances in Neurobiology</i> , 2018, 20, 103-142.	1.8	25

#	ARTICLE	IF	CITATIONS
2405	MiR-214 is an important regulator of the musculoskeletal metabolism and disease. Journal of Cellular Physiology, 2019, 234, 231-245.	4.1	49
2406	Transcriptome Informatics. , 2019, , 324-340.		8
2407	MicroRNA in lung cancer: role, mechanisms, pathways and therapeutic relevance. Molecular Aspects of Medicine, 2019, 70, 3-20.	6.4	307
2408	Regulation of microRNA function in Animals. Nature Reviews Molecular Cell Biology, 2019, 20, 21-37.	37.0	1,556
2409	Dietary compounds as potential modulators of microRNA expression in psoriasis. Therapeutic Advances in Chronic Disease, 2019, 10, 204062231986480.	2.5	63
2410	The Function and Therapeutic Potential of Epstein-Barr Virus-Encoded MicroRNAs in Cancer. Molecular Therapy - Nucleic Acids, 2019, 17, 657-668.	5.1	31
2411	Clustering analysis of microRNA and mRNA expression data from TCGA using maximum edge-weighted matching algorithms. BMC Medical Genomics, 2019, 12, 117.	1.5	10
2412	Genetics and Genomics of Linum. Plant Genetics and Genomics: Crops and Models, 2019, , .	0.3	14
2413	VCP Machinery Mediates Autophagic Degradation of Empty Argonaute. Cell Reports, 2019, 28, 1144-1153.e4.	6.4	23
2414	Meta-Analysis of Differential miRNA Expression after Bariatric Surgery. Journal of Clinical Medicine, 2019, 8, 1220.	2.4	29
2415	The microRNA pathway is involved in Spodoptera frugiperda (Sf9) cells antiviral immune defense against Autographa californica multiple nucleopolyhedrovirus infection. Insect Biochemistry and Molecular Biology, 2019, 112, 103202.	2.7	17
2416	Extracellular vesicles from T cells overexpress miR-146b-5p in HIV-1 infection and repress endothelial activation. Scientific Reports, 2019, 9, 10299.	3.3	14
2417	Global downregulation of pigmentation-associated genes in human premature hair graying. Experimental and Therapeutic Medicine, 2019, 18, 1155-1163.	1.8	5
2418	miR-892b Inhibits Hypertrophy by Targeting KLF10 in the Chondrogenesis of Mesenchymal Stem Cells. Molecular Therapy - Nucleic Acids, 2019, 17, 310-322.	5.1	8
2419	Time-Resolved Small RNA Sequencing Unravels the Molecular Principles of MicroRNA Homeostasis. Molecular Cell, 2019, 75, 756-768.e7.	9.7	116
2420	Genomic non-redundancy of the mir-183/96/182 cluster and its requirement for hair cell maintenance. Scientific Reports, 2019, 9, 10302.	3.3	10
2421	miR-29b-3p promotes progression of MDA-MB-231 triple-negative breast cancer cells through downregulating TRAF3. Biological Research, 2019, 52, 38.	3.4	58
2422	Roles of MicroRNAs in Establishing and Modulating Stem Cell Potential. International Journal of Molecular Sciences, 2019, 20, 3643.	4.1	19

#	ARTICLE	IF	CITATIONS
2423	Electrochemical-based biosensors for microRNA detection: Nanotechnology comes into view. <i>Analytical Biochemistry</i> , 2019, 581, 113349.	2.4	113
2424	MicroRNA Regulation of Epigenetic Modifiers in Breast Cancer. <i>Cancers</i> , 2019, 11, 897.	3.7	52
2425	Next-generation AAV vectors “do not judge a virus (only) by its cover. <i>Human Molecular Genetics</i> , 2019, 28, R3-R14.	2.9	105
2426	Oncogenic Biogenesis of pri-miR-17 ¹⁴⁹² Reveals Hierarchy and Competition among Polycistronic MicroRNAs. <i>Molecular Cell</i> , 2019, 75, 340-356.e10.	9.7	26
2427	The RNA-binding protein SART3 promotes miR-34a biogenesis and G1 cell cycle arrest in lung cancer cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 17188-17196.	3.4	18
2428	Aberrant MicroRNAomics in Pulmonary Complications: Implications in Lung Health and Diseases. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 18, 413-431.	5.1	27
2429	MicroRNA and Oxidative Stress Interplay in the Context of Breast Cancer Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5143.	4.1	30
2430	Angiotensin II-induced micro RNA ²¹ culprit for non-small cell lung adenocarcinoma. <i>Drug Development Research</i> , 2019, 80, 1031-1039.	2.9	6
2431	Osteoclastic microRNAs and their translational potential in skeletal diseases. <i>Seminars in Immunopathology</i> , 2019, 41, 573-582.	6.1	16
2432	The Regulatory Role of MicroRNAs in Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4940.	4.1	209
2434	miRNAs derived from cancer-associated fibroblasts in colorectal cancer. <i>Epigenomics</i> , 2019, 11, 1627-1645.	2.1	58
2435	MicroRNAs as Potential Biomarkers in Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5547.	4.1	87
2436	MicroRNA Applications in Marine Biology. <i>Current Molecular Biology Reports</i> , 2019, 5, 167-175.	1.6	3
2437	Developmental conservation of microRNA gene localization at the nuclear periphery. <i>PLoS ONE</i> , 2019, 14, e0223759.	2.5	7
2438	MicroRNAs Contribute to Breast Cancer Invasiveness. <i>Cells</i> , 2019, 8, 1361.	4.1	110
2439	Non-Coding RNA Sequencing of Equine Endometrium During Maternal Recognition of Pregnancy. <i>Genes</i> , 2019, 10, 821.	2.4	8
2440	Metabolism and Autoimmune Responses: The microRNA Connection. <i>Frontiers in Immunology</i> , 2019, 10, 1969.	4.8	21
2441	MicroRNAs as Therapeutic Targets in Nasopharyngeal Carcinoma. <i>Frontiers in Oncology</i> , 2019, 9, 756.	2.8	41

#	ARTICLE	IF	CITATIONS
2442	MicroRNAs as Diagnostic, Prognostic, and Therapeutic Biomarkers in Prostate Cancer. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2019, 29, 127-139.	0.9	66
2443	Downregulation of the human peripheral myelin protein 22 gene by miR-29a in cellular models of Charcot-Marie-Tooth disease. <i>Gene Therapy</i> , 2019, 26, 455-464.	4.5	15
2444	MicroRNAs in Ocular Infection. <i>Microorganisms</i> , 2019, 7, 359.	3.6	10
2446	Progress and prospects of noncoding RNAs in insects. <i>Journal of Integrative Agriculture</i> , 2019, 18, 729-747.	3.5	21
2447	The role of T cell miRNAs for regulatory T cell induction in islet autoimmunity. <i>Molecular Metabolism</i> , 2019, 27, S122-S128.	6.5	12
2448	MicroRNA Biogenesis Pathway Genes Are Deregulated in Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4460.	4.1	14
2449	Insights into the Secretome of Mesenchymal Stem Cells and Its Potential Applications. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4597.	4.1	188
2450	MicroRNAs in Cardiac Hypertrophy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4714.	4.1	69
2451	miR-17-92 in lymphocyte development and lymphomagenesis. <i>Cancer Letters</i> , 2019, 446, 73-80.	7.2	8
2452	MicroRNA expression correlates with disease recurrence and overall survival in oral squamous cell carcinoma. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019, 47, 523-529.	1.7	12
2453	The Role of MicroRNAs in Spinocerebellar Ataxia Type 3. <i>Journal of Molecular Biology</i> , 2019, 431, 1729-1742.	4.2	9
2454	Non-viral nanocarriers for intracellular delivery of microRNA therapeutics. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1209-1225.	5.8	70
2455	Neurite-Enriched MicroRNA-218 Stimulates Translation of the GluA2 Subunit and Increases Excitatory Synaptic Strength. <i>Molecular Neurobiology</i> , 2019, 56, 5701-5714.	4.0	31
2456	MicroRNA profiling from dried blood samples. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2019, 56, 111-117.	6.1	13
2457	Optimizing Synthetic miRNA Minigene Architecture for Efficient miRNA Hairpin Concatenation and Multi-target Gene Knockdown. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 14, 351-363.	5.1	11
2458	The microRNA and the perspectives of miR-302. <i>Heliyon</i> , 2019, 5, e01167.	3.2	9
2459	CRISPR/Cas9-Mediated Hitchhike Expression of Functional shRNAs at the Porcine miR-17-92 Cluster. <i>Cells</i> , 2019, 8, 113.	4.1	10
2460	Bmo-miR-3377-5p down-regulates the Bombyx mori Sericin gene-1. <i>Journal of Asia-Pacific Entomology</i> , 2019, 22, 921-926.	0.9	1

#	ARTICLE	IF	CITATIONS
2461	Pleiotropic microRNA-21 in pulmonary remodeling: novel insights for molecular mechanism and present advancements. <i>Allergy, Asthma and Clinical Immunology</i> , 2019, 15, 33.	2.0	21
2462	The microRNA polymorphisms in miR-150 and miR-1179 are associated with risk of idiopathic recurrent pregnancy loss. <i>Reproductive BioMedicine Online</i> , 2019, 39, 187-195.	2.4	11
2463	Regulation of RhoB Gene Expression during Tumorigenesis and Aging Process and Its Potential Applications in These Processes. <i>Cancers</i> , 2019, 11, 818.	3.7	19
2464	Modulated Autophagy by MicroRNAs in Osteoarthritis Chondrocytes. <i>BioMed Research International</i> , 2019, 2019, 1-14.	1.9	19
2465	miR-146a-5p Mediates Intermittent Hypoxia-Induced Injury in H9c2 Cells by Targeting XIAP. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.	4.0	28
2466	miR-221-5p regulates proliferation and migration in human prostate cancer cells and reduces tumor growth in vivo. <i>BMC Cancer</i> , 2019, 19, 627.	2.6	40
2467	In Situ Hybridization for Detecting Mature MicroRNAs In Vivo at Single-Cell Resolution. <i>Current Protocols in Molecular Biology</i> , 2019, 127, e93.	2.9	1
2468	Identification and profiling of upland cotton microRNAs at fiber initiation stage under exogenous IAA application. <i>BMC Genomics</i> , 2019, 20, 421.	2.8	19
2469	MicroRNAs in Respiratory Diseases. , 2019, , 89-131.		1
2470	Transcriptome-wide identification of microRNAs and functional insights inferred from microRNA-target pairs in <i>Physalis angulata</i> L. <i>Plant Signaling and Behavior</i> , 2019, 14, 1629267.	2.4	2
2471	MicroRNAs as Molecular Switches in Macrophage Activation. <i>Frontiers in Immunology</i> , 2019, 10, 799.	4.8	137
2472	MicroRNA Involvement in Allergic and Non-Allergic Mast Cell Activation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2145.	4.1	15
2473	Testicular miRNAs in relation to spermatogenesis, spermatogonial stem cells and cancer/testis genes. <i>Scientific African</i> , 2019, 3, e00067.	1.5	6
2474	Antiviral RNAi in Insects and Mammals: Parallels and Differences. <i>Viruses</i> , 2019, 11, 448.	3.3	67
2475	RNAi Therapy for Dominant Muscular Dystrophies and Other Myopathies. , 2019, , 491-507.		0
2476	Downregulation of miR-144 by triptolide enhanced p85-PTEN complex formation causing S phase arrest of human nasopharyngeal carcinoma cells. <i>European Journal of Pharmacology</i> , 2019, 855, 137-148.	3.5	9
2477	Regulation of Parent-of-Origin Allelic Expression in the Endosperm. <i>Plant Physiology</i> , 2019, 180, 1498-1519.	4.8	25
2478	Emerging areas of bone repair materials. , 2019, , 411-446.		5

#	ARTICLE	IF	CITATIONS
2479	Enhanced Inhibition of Tumorigenesis Using Combinations of miRNA-Targeted Therapeutics. <i>Frontiers in Pharmacology</i> , 2019, 10, 488.	3.5	56
2480	MICROmanagement of Runx2 Function in Skeletal Cells. <i>Current Molecular Biology Reports</i> , 2019, 5, 55-64.	1.6	6
2481	A Review of Humoral Factors in Remote Preconditioning of the Heart. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2019, 24, 403-421.	2.0	17
2482	Emerging therapeutic strategies for transplantation-induced acute kidney injury: protecting the organelles and the vascular bed. <i>Expert Opinion on Therapeutic Targets</i> , 2019, 23, 495-509.	3.4	11
2483	Small molecules with big roles in microRNA chemical biology and microRNA-targeted therapeutics. <i>RNA Biology</i> , 2019, 16, 707-718.	3.1	48
2484	A fungal miRNA mediates epigenetic repression of a virulence gene in <i>Verticillium dahliae</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180309.	4.0	43
2485	Noncoding RNAs in Cardiovascular Disease. , 2019, , 43-87.		2
2486	Epstein-Barr Virus and miRNAs: Partners in Crime in the Pathogenesis of Multiple Sclerosis?. <i>Frontiers in Immunology</i> , 2019, 10, 695.	4.8	23
2487	miR-146a-5p: Expression, regulation, and functions in cancer. <i>Wiley Interdisciplinary Reviews RNA</i> , 2019, 10, e1533.	6.4	129
2488	Targeting RNA-Mediated Toxicity in C9orf72 ALS and/or FTD by RNAi-Based Gene Therapy. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 26-37.	5.1	64
2489	Productive transcription of miR-124-3p by RelA and RNA polymerase II directs RIP1 ubiquitination-dependent apoptosis resistance during hypoxia. <i>Experimental Cell Research</i> , 2019, 378, 21-31.	2.6	14
2490	MicroRNAs, Hypoxia and the Stem-Like State as Contributors to Cancer Aggressiveness. <i>Frontiers in Genetics</i> , 2019, 10, 125.	2.3	42
2491	The role of microRNAs in the healing of diabetic ulcers. <i>International Wound Journal</i> , 2019, 16, 621-633.	2.9	22
2492	MicroRNA Shuttle from Cell-To-Cell by Exosomes and Its Impact in Cancer. <i>Non-coding RNA</i> , 2019, 5, 28.	2.6	77
2493	The Role of Humoral Factors in Producing the Cardioprotective Effect of Remote Ischemic Preconditioning. <i>Neuroscience and Behavioral Physiology</i> , 2019, 49, 289-298.	0.4	0
2494	Drosophila Trf4-1 involves in mRNA and primary miRNA transcription. <i>Biochemical and Biophysical Research Communications</i> , 2019, 511, 806-812.	2.1	0
2495	Platelet MicroRNAs. , 2019, , 127-138.		1
2496	miR-3687 Overexpression Promotes Bladder Cancer Cell Growth by Inhibiting the Negative Effect of FOXP1 on Cyclin E2 Transcription. <i>Molecular Therapy</i> , 2019, 27, 1028-1038.	8.2	14

#	ARTICLE	IF	CITATIONS
2497	Plant MIRnome: miRNA Biogenesis and Abiotic Stress Response. , 2019, , 449-474.		8
2498	Harnessing nucleic acid-based therapeutics for atherosclerotic cardiovascular disease: state of the art. Drug Discovery Today, 2019, 24, 1116-1131.	6.4	18
2499	Inhibition of pre-miRNA-136 processing by Dicer with small molecule BzDANP suggested the formation of ternary complex of pre-miR-136â€“BzDANPâ€“Dicer. Bioorganic and Medicinal Chemistry, 2019, 27, 2140-2148.	3.0	8
2500	miRNAs and their roles in KSHV pathogenesis. Virus Research, 2019, 266, 15-24.	2.2	16
2501	Increased expression of NAF1 contributes to malignant phenotypes of glioma cells through promoting protein synthesis and associates with poor patient survival. Oncogenesis, 2019, 8, 25.	4.9	5
2502	Crosstalk Between Mammalian Antiviral Pathways. Non-coding RNA, 2019, 5, 29.	2.6	11
2503	The Involvement of Long Noncoding RNAs in Response to Plant Stress. Methods in Molecular Biology, 2019, 1933, 151-171.	0.9	15
2504	Structural and biochemical analysis of DNA lesion-induced RNA polymerase II arrest. Methods, 2019, 159-160, 29-34.	3.8	6
2505	A Systematic Review of miR-29 in Cancer. Molecular Therapy - Oncolytics, 2019, 12, 173-194.	4.4	157
2506	Changes in Blood microRNA Expression and Early Metabolic Responsiveness 21 Days Following Bariatric Surgery. Frontiers in Endocrinology, 2018, 9, 773.	3.5	31
2507	Modulation of Expression of miRNAs for Therapeutic Effects in Human Malignant Neuroblastoma. , 2019, , 299-312.		0
2508	Emerging roles of microRNAs in regulating the mTOR signaling pathway during tumorigenesis. Journal of Cellular Biochemistry, 2019, 120, 10874-10883.	2.6	11
2509	MicroRNAs as Potential Pharmacotargets in Ischemia-Reperfusion Injury Compounded by Diabetes. Cells, 2019, 8, 152.	4.1	41
2510	Artificial MicroRNAs Targeting C9orf72 Can Reduce Accumulation of Intra-nuclear Transcripts in ALS and FTD Patients. Molecular Therapy - Nucleic Acids, 2019, 14, 593-608.	5.1	44
2511	Posttranscriptional adaptation of the aquatic plant <i>Spirodela polyrrhiza</i> under stress and hormonal stimuli. Plant Journal, 2019, 98, 1120-1133.	5.7	13
2512	MicroRNAs as Therapeutic Agents: The Future of the Battle Against Cancer. Current Topics in Medicinal Chemistry, 2019, 18, 2544-2554.	2.1	37
2513	The role of microRNAs in bacterial infections. , 2019, , 57-73.		0
2514	PmiRDiscVali: an integrated pipeline for plant microRNA discovery and validation. BMC Genomics, 2019, 20, 133.	2.8	9

#	ARTICLE	IF	CITATIONS
2515	Computational Tools for microRNA Target Prediction. , 2019, , 79-105.		6
2516	Regulatory effect of host miR-101b-3p on parasitism of nematode <i>Angiostrongylus cantonensis</i> via superoxide dismutase 3. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 557-566.	1.9	6
2517	miRNAs in Acute Lymphoblastic Leukemia: Diagnosis, Prognosis and Target Therapeutic. , 0, , .		3
2518	Research of Biological Effects of EM Field in Microwave Frequency Band. , 2019, , .		0
2519	The Impact of Climate Change Information on Household Flight Choice: Preliminary Results. , 2019, , .		0
2520	Sputtering Ambient Effects on Functionality of Al-doped Gallium Oxide Films for Deep-Ultraviolet Detectors. , 2019, , .		0
2521	Conditional Contrast High Itemset Mining for Two Dataset in Two Time Slot. , 2019, , .		1
2522	Mutual Information for Low-Rank Even-Order Symmetric Tensor Factorization. , 2019, , .		5
2523	An authentication based scheme for applications using JSON web token. , 2019, , .		23
2524	Incentive for Historical Block Data Sharing in Blockchain. , 2019, , .		4
2525	Effect Of Metal Powders On Capacitance And Equivalent Series Resistance Of Super-capacitor. , 2019, , .		1
2526	Classical and Intelligent Multivariable Controllers for Aerosonde UAV. , 2019, , .		1
2527	Design of a Novel Absorber with Switchable Absorption and Transmission Bands Based on PIN Diode. , 2019, , .		0
2528	Intelligent Fault Diagnosis of Gearbox Based on Vibration and Current Signals: A Multimodal Deep Learning Approach. , 2019, , .		6
2529	Atmospheric Refraction's Influence on Large Radio Telescopes' Observations. , 2019, , .		0
2531	Integration of Software Agents and Low-Level Automation Functions. , 2019, , .		0
2532	IEEE ICC 2019 Program Committee. , 2019, , .		0
2533	Activity Monitoring System to Support Elderly Independent Living. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
2534	Thermal Characteristic Evaluation of Silver and Copper Sintering Materials. , 2019, , .		2
2535	MicroRNAs in Tumor Cell Metabolism: Roles and Therapeutic Opportunities. Frontiers in Oncology, 2019, 9, 1404.	2.8	53
2536	A Fuzzy Knowledge-Based System to Assess the Impact of Demand Response on the Long Term Demand of Electricity: Application to the Brazilian Interconnected Power System. , 2019, , .		1
2537	Switching Transient of Multi-step 3-Phase Capacitor Bank in 66/11 kV Bhutan Silicon Metal Private Ltd. , 2019, , .		0
2538	Ocean Target Radar Image Reconstruction from GNSS-R Delay-Doppler Map. , 2019, , .		0
2539	Progressive Fusion Video Super-Resolution Network via Exploiting Non-Local Spatio-Temporal Correlations. , 2019, , .		144
2540	A GCPW-fed Lens-integrated On-chip Single-ended Slot UWB Antenna. , 2019, , .		1
2541	A Flying IoT Network to Help in Disaster Recovery. , 2019, , .		1
2542	Codes for Updating Linear Functions over Small Fields. , 2019, , .		1
2543	Estimating Tree Water Status in Apple Orchard using Reflectance in the Thermal Domain of Landsat 8 Satellite. , 2019, , .		0
2544	Parkinsonâ€™s Disease Detection from Gait Patterns. , 2019, , .		9
2545	Control Strategy for Optimizing Energy Management in Microgrid System Using Adaptive Control. , 2019, , .		1
2546	A Smart Control Method based on Phasor Diagram for Voltage-Type PWM Rectifier with High Power Factor and Constant DC-link Voltage. , 2019, , .		0
2547	Complementarity Analysis and Evaluation of Renewable Energy Stations based on Mixed-Copula Model. , 2019, , .		1
2548	BeaconBlocks: Augmenting Proof-of-Stake with On-Chain Time Synchronization. , 2019, , .		4
2549	State forecasting in distribution networks. , 2019, , .		5
2550	Optimal Power Flow in Distribution Scheme Using Load Forecast. , 2019, , .		2
2551	Instance-Aware Semantic Segmentation for Food Calorie Estimation using Mask R-CNN. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
2552	Intelligent Mapping for Hotel Records Representing the Same Entity. , 2019, , .		1
2553	Evaluation Model on Service Level of Navigation System. , 2019, , .		0
2554	Recent findings regarding the effects of microRNAs on fibroblast-like synovial cells in rheumatoid arthritis. Immunological Medicine, 2019, 42, 156-161.	2.6	12
2555	Potential Impact of MicroRNA Gene Polymorphisms in the Pathogenesis of Diabetes and Atherosclerotic Cardiovascular Disease. Journal of Personalized Medicine, 2019, 9, 51.	2.5	39
2556	Application of Deep Learning Models to MicroRNA Transcription Start Site Identification. , 2019, , .		4
2557	MS CD49d+CD154+ Lymphocytes Reprogram Oligodendrocytes into Immune Reactive Cells Affecting CNS Regeneration. Cells, 2019, 8, 1508.	4.1	7
2558	Transcriptional control of dendritic cell development and functions. International Review of Cell and Molecular Biology, 2019, 349, 55-151.	3.2	63
2559	MicroRNA-29a-3p Reduces TNF α -Induced Endothelial Dysfunction by Targeting Tumor Necrosis Factor Receptor 1. Molecular Therapy - Nucleic Acids, 2019, 18, 903-915.	5.1	23
2560	The therapeutic and diagnostic potential of regulatory noncoding RNAs in medulloblastoma. Neuro-Oncology Advances, 2019, 1, vdz023.	0.7	16
2561	The Non-Canonical Aspects of MicroRNAs: Many Roads to Gene Regulation. Cells, 2019, 8, 1465.	4.1	251
2562	MiR-205 Dysregulations in Breast Cancer: The Complexity and Opportunities. Non-coding RNA, 2019, 5, 53.	2.6	44
2563	Dynamical comparison between Drosha and Dicer reveals functional motion similarities and dissimilarities. PLoS ONE, 2019, 14, e0226147.	2.5	5
2564	Construction of an miRNA-mRNA regulatory network in colorectal cancer with bioinformatics methods. Anti-Cancer Drugs, 2019, 30, 588-595.	1.4	8
2565	Cancer-Derived Extracellular Vesicle-Associated MicroRNAs in Intercellular Communication: One Cell's Trash Is Another Cell's Treasure. International Journal of Molecular Sciences, 2019, 20, 6109.	4.1	47
2566	Peptides encoded by noncoding genes: challenges and perspectives. Signal Transduction and Targeted Therapy, 2019, 4, 57.	17.1	22
2567	The Roles of Hypoxia-Inducible Factors and Non-Coding RNAs in Gastrointestinal Cancer. Genes, 2019, 10, 1008.	2.4	14
2568	MicroRNAs and long noncoding RNAs: new regulators in cell fate determination of mesenchymal stem cells. RSC Advances, 2019, 9, 37300-37311.	3.6	3
2569	Regulation of microRNA biogenesis and its crosstalk with other cellular pathways. Nature Reviews Molecular Cell Biology, 2019, 20, 5-20.	37.0	920

#	ARTICLE	IF	CITATIONS
2570	Temporospatial guidance of activity-dependent gene expression by microRNA: mechanisms and functional implications for neural plasticity. <i>Nucleic Acids Research</i> , 2019, 47, 533-545.	14.5	21
2571	Epigenetics of Lupus. , 2019, , 69-85.		0
2572	MicroRNA Expression in the Progression and Aggressiveness of Papillary Thyroid Carcinoma. <i>Anticancer Research</i> , 2019, 39, 33-40.	1.1	31
2573	The role of microRNAs involved in PI3â€kinase signaling pathway in colorectal cancer. <i>Journal of Cellular Physiology</i> , 2019, 234, 5664-5673.	4.1	26
2574	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.	14.4	68
2575	An Insight into DNA-free Reprogramming Approaches to Generate Integration-free Induced Pluripotent Stem Cells for Prospective Biomedical Applications. <i>Stem Cell Reviews and Reports</i> , 2019, 15, 286-313.	5.6	56
2576	Trophoblastic microRNAs are downregulated in a diabetic pregnancy through an inhibition of Drosha. <i>Molecular and Cellular Endocrinology</i> , 2019, 480, 167-179.	3.2	5
2577	The Role of Noncoding RNAs in Gene Regulation. , 2019, , 217-235.		0
2578	Promoter cross-talk affects the inducible expression of intronic shRNAs from the tetracycline response element. <i>Genes and Genomics</i> , 2019, 41, 483-490.	1.4	3
2579	MicroRNAs in ovarian follicular atresia and granulosa cell apoptosis. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 9.	3.3	133
2580	Regulatory network of miRNA on its target: coordination between transcriptional and post-transcriptional regulation of gene expression. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 441-451.	5.4	287
2581	Multiple functions of miRâ€3p in the development and metamorphosis of the red flour beetle, <i>Tribolium castaneum</i> . <i>Insect Molecular Biology</i> , 2019, 28, 208-221.	2.0	19
2582	Identification and characterization of differentially expressed <i>Phaseolus vulgaris</i> miRNAs and their targets during mungbean yellow mosaic India virus infection reveals new insight into <i>Phaseolus</i> -MYMIV interaction. <i>Genomics</i> , 2019, 111, 1333-1342.	2.9	26
2583	MicroRNAs in Gametes and Preimplantation Embryos: Clinical Implications. , 2019, , 241-268.		0
2584	Identification of Intron Lariat RNAs and Intron Branch Points. , 2019, , 225-245.		0
2586	Nanoparticle titanium dioxide affects the growth and microRNA expression of switchgrass (<i>Panicum</i>) Tj ETQq1 1 0.784314 rgBT /Overdo	2.9	42
2587	Non-coding RNA regulation of endothelial and macrophage functions during atherosclerosis. <i>Vascular Pharmacology</i> , 2019, 114, 64-75.	2.1	60
2588	Baculovirus-Encoded MicroRNAs: A Brief Overview and Future Prospects. <i>Current Microbiology</i> , 2019, 76, 738-743.	2.2	16

#	ARTICLE	IF	CITATIONS
2589	Idiosyncrasies of hnRNP A1-RNA recognition: Can binding mode influence function. <i>Seminars in Cell and Developmental Biology</i> , 2019, 86, 150-161.	5.0	24
2590	The role of shrimp microRNA<scp>RNA</scp>s in immune response and beyond. <i>Reviews in Aquaculture</i> , 2020, 12, 176-185.	9.0	3
2591	A Novel Algorithm for Online Inexact String Matching and its FPGA Implementation. <i>Cognitive Computation</i> , 2020, 12, 369-387.	5.2	19
2592	Interactive functions of microRNAs in the miRâ€‘23aâ€‘27aâ€‘24â€‘2 cluster and the potential for targeted therapy in cancer. <i>Journal of Cellular Physiology</i> , 2020, 235, 6-16.	4.1	26
2593	Mechanisms, Applications, and Challenges of Insect RNA Interference. <i>Annual Review of Entomology</i> , 2020, 65, 293-311.	11.8	308
2594	MicroRNAs: Crucial Regulators of Stress. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2020, 9, 93-100.	1.2	4
2595	Bmoâ€‘miRâ€‘2780a regulates the expression of thesericinâ€‘1 gene of <i>Bombyx mori</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 103, e21627.	1.5	2
2596	Endometrial Gene Expression. , 2020, , .		0
2597	Invited review: MicroRNAs in bovine colostrumâ€‘Focus on their origin and potential health benefits for the calf. <i>Journal of Dairy Science</i> , 2020, 103, 1-15.	3.4	58
2598	Characterization of novel primary miRNA transcription units in human cells using Bru-seq nascent RNA sequencing. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqz014.	3.2	10
2599	Interactions between immune response to fungal infection and microRNAs: The pioneer tuners. <i>Mycoses</i> , 2020, 63, 4-20.	4.0	10
2600	Immunoregulatory properties of mesenchymal stem cells: Micro-RNAs. <i>Immunology Letters</i> , 2020, 219, 34-45.	2.5	18
2602	The p53 family reaches the final frontier: the variegated regulation of the dark matter of the genome by the p53 family in cancer. <i>RNA Biology</i> , 2020, 17, 1636-1647.	3.1	5
2603	SYNCRIP, a new player in pri-let-7a processing. <i>Rna</i> , 2020, 26, 290-305.	3.5	12
2604	Vector derived artificial miRNA mediated inhibition of West Nile virus replication and protein expression. <i>Gene</i> , 2020, 729, 144300.	2.2	9
2605	Consequences of assisted reproductive techniques on the embryonic epigenome in cattle. <i>Reproduction, Fertility and Development</i> , 2020, 32, 65.	0.4	14
2607	Redox distress in organ fibrosis: The role of noncoding RNAs. , 2020, , 779-820.		1
2608	Targeting miRNAs by histone deacetylase inhibitors (HDACi): Rationalizing epigenetics-based therapies for breast cancer. , 2020, 206, 107437.		24

#	ARTICLE	IF	CITATIONS
2609	miR-155 as a novel clinical target for hematological malignancies. <i>Carcinogenesis</i> , 2020, 41, 2-7.	2.8	63
2610	Role of microRNAs in antiviral responses to dengue infection. <i>Journal of Biomedical Science</i> , 2020, 27, 4.	7.0	69
2611	ACE-Triggered Hypertension Incites Stroke: Genetic, Molecular, and Therapeutic Aspects. <i>NeuroMolecular Medicine</i> , 2020, 22, 194-209.	3.4	6
2612	6mer Seed Toxicity in Viral microRNAs. <i>IScience</i> , 2020, 23, 100737.	4.1	13
2613	PRMT1-mediated methylation of the microprocessor-associated proteins regulates microRNA biogenesis. <i>Nucleic Acids Research</i> , 2020, 48, 96-115.	14.5	22
2614	High-throughput transcriptomics: An insight on the pathways affected in HepG2 cells exposed to nickel oxide nanoparticles. <i>Chemosphere</i> , 2020, 244, 125488.	8.2	17
2615	LGP2 virus sensor enhances apoptosis by upregulating apoptosis regulatory genes through TRBP-bound miRNAs during viral infection. <i>Nucleic Acids Research</i> , 2020, 48, 1494-1507.	14.5	15
2616	Tankyrase promotes primary precursor miRNA processing to precursor miRNA. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 945-951.	2.1	3
2617	Advances and applications of environmental stress adaptation research. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 240, 110623.	1.8	12
2618	Quercetin, Epigallocatechin Gallate, Curcumin, and Resveratrol: From Dietary Sources to Human MicroRNA Modulation. <i>Molecules</i> , 2020, 25, 63.	3.8	120
2619	<p>Role of miRNA-424 in Cancers</p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 9611-9622.	2.0	14
2620	Computational Identification and Comparative Analysis of Conserved miRNAs and Their Putative Target Genes in the <i>Juglans regia</i> and <i>J. microcarpa</i> Genomes. <i>Plants</i> , 2020, 9, 1330.	3.5	1
2621	MicroRNA: A Signature for Cancer Diagnostics. , 2020, , .		0
2622	Importance of microRNAs in Skin Oncogenesis and Their Suitability as Agents and Targets for Topical Therapy. <i>Skin Pharmacology and Physiology</i> , 2020, 33, 270-279.	2.5	11
2623	Mechanistic Actions of microRNAs in Diabetic Wound Healing. <i>Cells</i> , 2020, 9, 2228.	4.1	38
2624	In silico identification and validation of miRNA and their DIR specific targets in <i>Oryza sativa</i> Indica under abiotic stress. <i>Non-coding RNA Research</i> , 2020, 5, 167-177.	4.6	21
2625	Identification of candidate microRNAs from Ostreid herpesvirus-1 (OsHV-1) and their potential role in the infection of Pacific oysters (<i>Crassostrea gigas</i>). <i>Molecular Immunology</i> , 2020, 126, 153-164.	2.2	1
2626	Unique and contrasting effects of light and temperature cues on plant transcriptional programs. <i>Transcription</i> , 2020, 11, 134-159.	3.1	4

#	ARTICLE	IF	CITATIONS
2627	Autophagy-related MicroRNAs in chronic lung diseases and lung cancer. Critical Reviews in Oncology/Hematology, 2020, 153, 103063.	4.4	45
2628	Modulation of MicroRNAs as a Potential Molecular Mechanism Involved in the Beneficial Actions of Physical Exercise in Alzheimer Disease. International Journal of Molecular Sciences, 2020, 21, 4977.	4.1	32
2629	FTO Inhibition Enhances the Antitumor Effect of Temozolomide by Targeting MYC-miR-155/23a Cluster-MXI1 Feedback Circuit in Glioma. Cancer Research, 2020, 80, 3945-3958.	0.9	83
2630	MicroRNA Regulatory Pathways in the Control of the Actin-Myosin Cytoskeleton. Cells, 2020, 9, 1649.	4.1	9
2631	Micro RNA facilitated chemoresistance in gastric cancer: a novel biomarkers and potential therapeutics. Alexandria Journal of Medicine, 2020, 56, 81-92.	0.6	5
2632	The promising role of noncoding RNAs in cancer-associated fibroblasts: an overview of current status and future perspectives. Journal of Hematology and Oncology, 2020, 13, 154.	17.0	28
2633	miRNA-Mediated Immune Regulation in Islet Autoimmunity and Type 1 Diabetes. Frontiers in Endocrinology, 2020, 11, 606322.	3.5	15
2634	Extracellular MicroRNAs as Intercellular Mediators and Noninvasive Biomarkers of Cancer. Cancers, 2020, 12, 3455.	3.7	26
2635	Micro RNAs Promoting Growth and Metastasis in Preclinical <i>In Vivo</i> Models of Subcutaneous Melanoma. Cancer Genomics and Proteomics, 2020, 17, 651-667.	2.0	7
2636	Functional Atlas of Primary miRNA Maturation by the Microprocessor. Molecular Cell, 2020, 80, 892-902.e4.	9.7	26
2637	Genome-wide analysis of PHD finger gene family and identification of potential miRNA and their PHD finger gene specific targets in <i>Oryza sativa indica</i> . Non-coding RNA Research, 2020, 5, 191-200.	4.6	2
2638	MiRNAs: A Powerful Tool in Deciphering Gynecological Malignancies. Frontiers in Oncology, 2020, 10, 591181.	2.8	9
2639	Regulation of Glycolysis by Non-coding RNAs in Cancer: Switching on the Warburg Effect. Molecular Therapy - Oncolytics, 2020, 19, 218-239.	4.4	87
2640	miR-142-3p Expression Is Predictive for Severe Traumatic Brain Injury (TBI) in Trauma Patients. International Journal of Molecular Sciences, 2020, 21, 5381.	4.1	22
2641	Expression levels of circulating miRNAs as biomarkers during multimodal treatment of rectal cancer - TiMiSNAR-mirna: a substudy of the TiMiSNAR Trial (NCT03962088). Trials, 2020, 21, 678.	1.6	2
2642	miRNA Regulation of T Cells in Islet Autoimmunity and Type 1 Diabetes. Current Diabetes Reports, 2020, 20, 41.	4.2	14
2643	MicroRNAs and gene regulation in breast cancer. Journal of Biochemical and Molecular Toxicology, 2020, 34, e22567.	3.0	16
2644	miRNAs as a novel clinical biomarker and therapeutic targets in polycystic ovary syndrome (PCOS): A review. Life Sciences, 2020, 259, 118174.	4.3	47

#	ARTICLE	IF	CITATIONS
2645	LXR activation potentiates sorafenib sensitivity in HCC by activating microRNA-378a transcription. <i>Theranostics</i> , 2020, 10, 8834-8850.	10.0	46
2646	Antioxidant defense mechanisms and its dysfunctional regulation in the mitochondrial disease, Friedreich's ataxia. <i>Free Radical Biology and Medicine</i> , 2020, 159, 177-188.	2.9	16
2647	Genetics and Epigenetics of Atrial Fibrillation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5717.	4.1	57
2648	Recent trends in targeting miRNAs for cancer therapy. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 1732-1749.	2.4	62
2649	MicroRNA™s in cancerÂs biomarkers and therapeutic keys. <i>ExRNA</i> , 2020, 2, .	1.0	0
2650	miRNA-based biomarkers, therapies, and resistance in Cancer. <i>International Journal of Biological Sciences</i> , 2020, 16, 2628-2647.	6.4	258
2651	Noncoding RNAs implication in cardiovascular diseases in the COVID-19 era. <i>Journal of Translational Medicine</i> , 2020, 18, 408.	4.4	16
2652	Increased MicroRNA Levels in Women With Polycystic Ovarian Syndrome but Without Insulin Resistance: A Pilot Prospective Study. <i>Frontiers in Endocrinology</i> , 2020, 11, 571357.	3.5	14
2653	MAC5, an RNA-binding protein, protects pri-miRNAs from SERRATE-dependent exoribonuclease activities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23982-23990.	7.1	32
2654	Primary transcript of miR858 encodes regulatory peptide and controls flavonoid biosynthesis and development in Arabidopsis. <i>Nature Plants</i> , 2020, 6, 1262-1274.	9.3	103
2655	Role of microRNAs in insect-baculovirus interactions. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 127, 103459.	2.7	7
2656	MicroRNAs: Biogenesis, Functions and Potential Biomarkers for Early Screening, Prognosis and Therapeutic Molecular Monitoring of Nasopharyngeal Carcinoma. <i>Processes</i> , 2020, 8, 966.	2.8	13
2657	RNA Drugs and RNA Targets for Small Molecules: Principles, Progress, and Challenges. <i>Pharmacological Reviews</i> , 2020, 72, 862-898.	16.0	192
2658	MicroRNAs Responding to Space Radiation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6603.	4.1	6
2659	Targeting Epigenetic Aberrations in Esophageal Squamous Cell Carcinoma. <i>Current Pharmacology Reports</i> , 2020, 6, 415-428.	3.0	1
2660	Ectopic overexpression of bol-miR390a from broccoli (<i>B. oleracea</i> L var. <i>italica</i>) increases lateral branches in Arabidopsis. <i>Plant Growth Regulation</i> , 2020, 92, 547-558.	3.4	2
2661	Therapeutically Significant MicroRNAs in Primary and Metastatic Brain Malignancies. <i>Cancers</i> , 2020, 12, 2534.	3.7	25
2662	MicroRNAs and obesity-induced endothelial dysfunction: key paradigms in molecular therapy. <i>Cardiovascular Diabetology</i> , 2020, 19, 136.	6.8	34

#	ARTICLE	IF	CITATIONS
2663	Dynamical gene regulatory networks are tuned by transcriptional autoregulation with microRNA feedback. <i>Scientific Reports</i> , 2020, 10, 12960.	3.3	15
2664	MicroRNA retrocopies generated via L1-mediated retrotransposition in placental mammals help to reveal how their parental genes were transcribed. <i>Scientific Reports</i> , 2020, 10, 20612.	3.3	3
2665	Mesenchymal Stromal Cell-Derived Extracellular Vesicles “Silver Linings for Cartilage Regeneration?”. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 593386.	3.7	12
2666	Premature MicroRNA-Based Therapeutic: A “One-Two Punch” against Cancers. <i>Cancers</i> , 2020, 12, 3831.	3.7	3
2667	Extracellular vesicles “propagators of neuropathology and sources of potential biomarkers and therapeutics for neurodegenerative diseases. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	44
2668	Brain Tumor-Derived Extracellular Vesicles as Carriers of Disease Markers: Molecular Chaperones and MicroRNAs. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6961.	2.5	4
2669	MIR143 Inhibits Steroidogenesis and Induces Apoptosis Repressed by H3K27me3 in Granulosa Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 565261.	3.7	7
2670	Crosstalk between oncogenic MYC and noncoding RNAs in cancer. <i>Seminars in Cancer Biology</i> , 2021, 75, 62-71.	9.6	11
2671	Robust Filtering and Noise Suppression in Intragenic miRNA-Mediated Host Regulation. <i>IScience</i> , 2020, 23, 101595.	4.1	8
2672	The tRNA pseudouridine synthase TruB1 regulates the maturation of let-7 miRNA. <i>EMBO Journal</i> , 2020, 39, e104708.	7.8	17
2673	The Role of miRNA for the Treatment of MGMT Unmethylated Glioblastoma Multiforme. <i>Cancers</i> , 2020, 12, 1099.	3.7	26
2674	Mdm-miR160 Participates in Auxin-Induced Adventitious Root formation of apple rootstock. <i>Scientia Horticulturae</i> , 2020, 270, 109442.	3.6	17
2675	Connecting RNA-Modifying Similarities of TDP-43, FUS, and SOD1 with MicroRNA Dysregulation Amidst A Renewed Network Perspective of Amyotrophic Lateral Sclerosis Proteinopathy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3464.	4.1	19
2676	Role of microRNAs in epidermal growth factor receptor signaling pathway in cervical cancer. <i>Molecular Biology Reports</i> , 2020, 47, 4553-4568.	2.3	15
2677	Inhibition of germinal vesicle breakdown using IBMX increases microRNA-21 in the porcine oocyte. <i>Reproductive Biology and Endocrinology</i> , 2020, 18, 39.	3.3	4
2678	Role of Non-Coding RNAs in Lung Circadian Clock Related Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3013.	4.1	9
2679	Regulatory function of <sc>microRNAs</sc> in microglia. <i>Glia</i> , 2020, 68, 1631-1642.	4.9	44
2680	Novel hepatotoxicity biomarkers of extracellular vesicle (EV)-associated miRNAs induced by CCl4. <i>Toxicology Reports</i> , 2020, 7, 685-692.	3.3	9

#	ARTICLE	IF	CITATIONS
2681	MicroRNAs as regulators of brain function and targets for treatment of epilepsy. <i>Nature Reviews Neurology</i> , 2020, 16, 506-519.	10.1	92
2682	miR-129-5p and miR-130a-3p Regulate VEGFR-2 Expression in Sensory and Motor Neurons during Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3839.	4.1	16
2683	MicroRNAs: From Mechanism to Organism. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 409.	3.7	203
2684	Strategies to Modulate MicroRNA Functions for the Treatment of Cancer or Organ Injury. <i>Pharmacological Reviews</i> , 2020, 72, 639-667.	16.0	45
2685	A concise review on impacts of microRNAs in biology and medicine of hepatitis C virus. <i>Gene Reports</i> , 2020, 20, 100761.	0.8	0
2686	MicroRNAs in cancer therapy: Their involvement in oxaliplatin sensitivity/resistance of cancer cells with a focus on colorectal cancer. <i>Life Sciences</i> , 2020, 256, 117973.	4.3	23
2687	The Roles of miRNA in Glioblastoma Tumor Cell Communication: Diplomatic and Aggressive Negotiations. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1950.	4.1	66
2688	The HIV-1 capsid-binding host factor CPSF6 is post-transcriptionally regulated by the cellular microRNA miR-125b. <i>Journal of Biological Chemistry</i> , 2020, 295, 5081-5094.	3.4	14
2689	Introduction to plant small RNAs. , 2020, , 3-35.		1
2690	Role of MicroRNA-30c in cancer progression. <i>Journal of Cancer</i> , 2020, 11, 2593-2601.	2.5	33
2691	Importance of small RNA in plant metabolism. , 2020, , 125-153.		0
2692	The Role of MicroRNAs in Muscle Tissue Development in Beef Cattle. <i>Genes</i> , 2020, 11, 295.	2.4	34
2693	MicroRNA (miRNA): A New Dimension in the Pathogenesis of Antiphospholipid Syndrome (APS). <i>International Journal of Molecular Sciences</i> , 2020, 21, 2076.	4.1	7
2694	A Dual-Polarized Magneto-Electric Dipole Antenna Based on Printed Ridge Gap Waveguide Technology. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 7589-7594.	5.1	29
2695	Min-Sum Algorithm Using Multi-Edge-Type Normalized Scheme for ATSC 3.0 LDPC Decoders. <i>IEEE Transactions on Broadcasting</i> , 2020, 66, 729-736.	3.2	6
2696	Small RNAs With a Big Impact on Horticultural Traits. <i>Critical Reviews in Plant Sciences</i> , 2020, 39, 30-43.	5.7	19
2697	Robust De-Noising Technique for Accurate Heart Rate Estimation Using Wrist-Type PPG Signals. <i>IEEE Sensors Journal</i> , 2020, 20, 7980-7987.	4.7	21
2698	MicroRNA Involvement in Signaling Pathways During Viral Infection. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 143.	3.7	98

#	ARTICLE	IF	CITATIONS
2699	Automating predictive maintenance using oil analysis and machine learning. , 2020, , .		8
2700	Heterosis Breeding in Eggplant (<i>Solanum melongena</i> L.): Gains and Provocations. <i>Plants</i> , 2020, 9, 403.	3.5	38
2701	Heat stress tolerance through small RNA. , 2020, , 277-298.		0
2702	Comprehensive transcriptome profiling of Taiwanese colorectal cancer implicates an ethnic basis for pathogenesis. <i>Scientific Reports</i> , 2020, 10, 4526.	3.3	9
2703	Molecular Evolution and Diversification of Proteins Involved in miRNA Maturation Pathway. <i>Plants</i> , 2020, 9, 299.	3.5	10
2704	Small RNA technology for plant abiotic stress tolerance. , 2020, , 521-541.		2
2705	miR-378 and its host gene <i>Ppargc1l</i> ² exhibit independent expression in mouse skeletal muscle. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 883-890.	2.0	7
2706	The Role of Non-coding RNAs in Viral Myocarditis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 312.	3.9	18
2707	Repression of tick microRNA-133 induces organic anion transporting polypeptide expression critical for <i>Anaplasma phagocytophilum</i> survival in the vector and transmission to the vertebrate host. <i>PLoS Genetics</i> , 2020, 16, e1008856.	3.5	18
2708	A review of therapeutic options for managing the metabolic aspects of polycystic ovary syndrome. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2020, 11, 204201882093830.	3.2	55
2709	Genomic identification of salt induced microRNAs in niger (<i>Guizotia abyssinica</i> Cass.). <i>Plant Gene</i> , 2020, 23, 100242.	2.3	5
2710	Identification of MicroRNAs With In Vivo Efficacy in Multiple Myeloma-related Xenograft Models. <i>Cancer Genomics and Proteomics</i> , 2020, 17, 321-334.	2.0	2
2711	Integrative expression network analysis of microRNA and gene isoforms in sacred lotus. <i>BMC Genomics</i> , 2020, 21, 429.	2.8	8
2712	MicroRNAs and Osteoblasts Differentiation. , 2020, , 439-448.		0
2713	Detecting Suspected Pump Thrombosis in Left Ventricular Assist Devices via Acoustic Analysis. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 1899-1906.	6.3	11
2714	Expression Dynamics of Core RNAi Machinery Genes in Pea Aphids Upon Exposure to Artificially Synthesized dsRNA and miRNAs. <i>Insects</i> , 2020, 11, 70.	2.2	10
2715	MicroRNA expression profiling of caudal fin cell of <i>C. auratus gibelio</i> upon cyprinid herpesvirus 2 infection. <i>Developmental and Comparative Immunology</i> , 2020, 107, 103637.	2.3	5
2716	Host Transcriptional Responses to High- and Low-Virulent Avian Malaria Parasites. <i>American Naturalist</i> , 2020, 195, 1070-1084.	2.1	19

#	ARTICLE	IF	CITATIONS
2717	The Interplay Between Viral-Derived miRNAs and Host Immunity During Infection. <i>Frontiers in Immunology</i> , 2019, 10, 3079.	4.8	127
2718	Melanoma-Derived Exosomal miR-125b-5p Educates Tumor Associated Macrophages (TAMs) by Targeting Lysosomal Acid Lipase A (LIPA). <i>Cancers</i> , 2020, 12, 464.	3.7	73
2719	Micro RNA Molecules as Modulators of Treatment Resistance, Immune Checkpoints Controllers and Sensitive Biomarkers in Glioblastoma Multiforme. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1507.	4.1	17
2720	Identification of microRNAs in developing wheat grain that are potentially involved in regulating grain characteristics and the response to nitrogen levels. <i>BMC Plant Biology</i> , 2020, 20, 87.	3.6	35
2721	Simple and efficient genetic transformation of sorghum using immature inflorescences. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	2.1	4
2722	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.	2.3	26
2723	MicroRNAs, DNA damage response and ageing. <i>Biogerontology</i> , 2020, 21, 275-291.	3.9	27
2724	Genetic and epigenetic regulation of natural resistance to HIV-1 infection: new approaches to unveil the HESN secret. <i>Expert Review of Clinical Immunology</i> , 2020, 16, 429-445.	3.0	7
2725	Dynamics of Immune Activation in Viral Diseases. , 2020, , .		2
2726	The Emerging Role of Noncoding RNAs in Pediatric Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 985-993.	1.9	10
2728	MicroRNAs in Vascular Eye Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 649.	4.1	34
2729	miRNAs as Biomarkers in Disease: Latest Findings Regarding Their Role in Diagnosis and Prognosis. <i>Cells</i> , 2020, 9, 276.	4.1	693
2730	Characterization of a G-Quadruplex Structure in Pre-miRNA-1229 and in Its Alzheimerâ€™s Disease-Associated Variant rs2291418: Implications for miRNA-1229 Maturation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 767.	4.1	32
2731	L-lysine confers neuroprotection by suppressing inflammatory response via microRNA-575/PTEN signaling after mouse intracerebral hemorrhage injury. <i>Experimental Neurology</i> , 2020, 327, 113214.	4.1	24
2732	MicroRNA-22 inhibits proliferation and promotes differentiation of satellite cells in porcine skeletal muscle. <i>Journal of Integrative Agriculture</i> , 2020, 19, 225-233.	3.5	7
2733	A Bitcoin Transaction Network Analytic Method for Future Blockchain Forensic Investigation. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 1230-1241.	6.4	22
2734	The Role of MicroRNAs in Lung Cancer: Implications for Diagnosis and Therapy. <i>Current Molecular Medicine</i> , 2020, 20, 90-101.	1.3	44
2735	Endogenous and artificial miRNAs explore a rich variety of conformations: a potential relationship between secondary structure and biological functionality. <i>Scientific Reports</i> , 2020, 10, 453.	3.3	7

#	ARTICLE	IF	CITATIONS
2736	The RNA degradome: a precious resource for deciphering RNA processing and regulation codes in plants. <i>RNA Biology</i> , 2020, 17, 1223-1227.	3.1	5
2737	Recent Trends of microRNA Significance in Pediatric Population Glioblastoma and Current Knowledge of Micro RNA Function in Glioblastoma Multiforme. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3046.	4.1	17
2738	microRNA Expression in Women With and Without Polycystic Ovarian Syndrome Matched for Body Mass Index. <i>Frontiers in Endocrinology</i> , 2020, 11, 206.	3.5	21
2739	Endometrial microRNAs and their aberrant expression patterns. <i>Medical Molecular Morphology</i> , 2020, 53, 131-140.	1.0	11
2740	The Fundamentals of miRNA Biology: Structure, Biogenesis, and Regulatory Functions. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 1-13.	1.0	9
2741	MicroRNAs as Emerging Regulators of Signaling in the Tumor Microenvironment. <i>Cancers</i> , 2020, 12, 911.	3.7	24
2742	A miRNA-Encoded Small Peptide, vvi-miPEP171d1, Regulates Adventitious Root Formation. <i>Plant Physiology</i> , 2020, 183, 656-670.	4.8	80
2743	Systematic characterization of non-coding RNAs in triple-negative breast cancer. <i>Cell Proliferation</i> , 2020, 53, e12801.	5.3	47
2744	Meta-Analysis of the Potential Role of miRNA-21 in Cardiovascular System Function Monitoring. <i>BioMed Research International</i> , 2020, 2020, 1-6.	1.9	18
2745	The Significance of MicroRNAs Expression in Regulation of Extracellular Matrix and Other Drug Resistant Genes in Drug Resistant Ovarian Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2619.	4.1	21
2746	Application of miRNA in fruit quality improvement. , 2020, , 469-491.		1
2747	MicroRNA Clustering Assists Processing of Suboptimal MicroRNA Hairpins through the Action of the ERH Protein. <i>Molecular Cell</i> , 2020, 78, 289-302.e6.	9.7	48
2748	The Promising Role of miR-21 as a Cancer Biomarker and Its Importance in RNA-Based Therapeutics. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 20, 409-420.	5.1	242
2749	MicroRNA regulation of Toll-like receptor, RIG-I-like receptor and Nod-like receptor pathways in teleost fish. <i>Reviews in Aquaculture</i> , 2020, 12, 2177-2193.	9.0	35
2750	MicroRNA Mediated Cardioprotection “ Is There a Path to Clinical Translation?. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 149.	4.1	9
2751	Modulators of MicroRNA Function in the Immune System. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2357.	4.1	44
2752	On the Capacity of Fractal D2D Social Networks with Hierarchical Communications. <i>IEEE Transactions on Mobile Computing</i> , 2021, 20, 2254-2268.	5.8	3
2753	Dissecting miRNA facilitated physiology and function in human breast cancer for therapeutic intervention. <i>Seminars in Cancer Biology</i> , 2021, 72, 46-64.	9.6	35

#	ARTICLE	IF	CITATIONS
2754	Computational annotation of miRNA transcription start sites. Briefings in Bioinformatics, 2021, 22, 380-392.	6.5	23
2755	Non-coding RNA derived from extracellular vesicles in cancer immune escape: Biological functions and potential clinical applications. Cancer Letters, 2021, 501, 234-246.	7.2	20
2756	microRNAs: New-Age Panacea in Cancer Therapeutics. Indian Journal of Surgical Oncology, 2021, 12, 52-56.	0.7	3
2757	MicroRNAs: roles in cardiovascular development and disease. Cardiovascular Pathology, 2021, 50, 107296.	1.6	89
2758	Targeting respiratory diseases using miRNA inhibitor based nanotherapeutics: Current status and future perspectives. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 31, 102303.	3.3	16
2759	Dietary microRNAs and cancer: A new therapeutic approach?. Seminars in Cancer Biology, 2021, 73, 19-29.	9.6	25
2760	Targeted delivery of small noncoding RNA for glioblastoma. Cancer Letters, 2021, 500, 274-280.	7.2	12
2761	miRNAs in lung cancer. A systematic review identifies predictive and prognostic miRNA candidates for precision medicine in lung cancer. Translational Research, 2021, 230, 164-196.	5.0	89
2762	New insights into the interplay between miRNAs and autophagy in the aging of intervertebral discs. Ageing Research Reviews, 2021, 65, 101227.	10.9	46
2763	Interaction Between microRNA and DNA Methylation in Atherosclerosis. DNA and Cell Biology, 2021, 40, 101-115.	1.9	17
2764	MicroRNAs involved in the EGFR pathway in glioblastoma. Biomedicine and Pharmacotherapy, 2021, 134, 111115.	5.6	12
2765	Transferability of <scp>miRNA</scp> technology to bioprocessing: Influence of cultivation mode and media. Biotechnology Progress, 2021, 37, e3107.	2.6	7
2766	MicroRNA biogenesis in plant. Plant Growth Regulation, 2021, 93, 1-12.	3.4	27
2767	Cross-Kingdom Regulation by Plant microRNAs Provides Novel Insight into Gene Regulation. Advances in Nutrition, 2021, 12, 197-211.	6.4	27
2768	microRNA strand selection: Unwinding the rules. Wiley Interdisciplinary Reviews RNA, 2021, 12, e1627.	6.4	97
2769	The development and controversy of competitive endogenous RNA hypothesis in non-coding genes. Molecular and Cellular Biochemistry, 2021, 476, 109-123.	3.1	31
2770	Molecular characterization of miRNA genes and their expression in Dimocarpus longan Lour. Planta, 2021, 253, 41.	3.2	3
2771	MiRNA Regulatory Functions in Photoreceptors. Frontiers in Cell and Developmental Biology, 2020, 8, 620249.	3.7	13

#	ARTICLE	IF	CITATIONS
2772	Global expression of noncoding RNome reveals dysregulation of small RNAs in patients with HTLV-1-associated adult T-cell leukemia: a pilot study. <i>Infectious Agents and Cancer</i> , 2021, 16, 4.	2.6	9
2773	Regulatory RNAs in cardiovascular disease. , 2021, , 127-162.		0
2774	MicroRNAs in the silkworm-pathogen interactions. <i>Methods in Microbiology</i> , 2021, 49, 97-113.	0.8	3
2775	Viral-Encoded microRNAs in Host-Pathogen Interactions in Silkworm. <i>MicroRNA (Shariqah, United) Tj ETQq1 1 0.784314 rgBT₂/Overlook</i>	1.2	
2776	Recent advancements in long noncoding RNA-mediated stress responses in rice. , 2021, , 63-74.		2
2777	Therapeutic Mechanism of Nucleic Acid Drugs. <i>ChemistrySelect</i> , 2021, 6, 903-916.	1.5	8
2778	Biogenesis and Modes of Action of miRs and Circular and Long Non-coding RNAs. , 2021, , 1-19.		0
2779	MiR-223-3p in Cardiovascular Diseases: A Biomarker and Potential Therapeutic Target. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 610561.	2.4	26
2780	CtIP suppresses primary microRNA maturation and promotes metastasis of colon cancer cells in a xenograft mouse model. <i>Journal of Biological Chemistry</i> , 2021, 296, 100707.	3.4	5
2781	The emerging role of small non-coding RNA in renal cell carcinoma. <i>Translational Oncology</i> , 2021, 14, 100974.	3.7	9
2782	MicroRNAs in head and neck squamous cell carcinoma: a possible challenge as biomarkers, determinants for the choice of therapy and targets for personalized molecular therapies. <i>Translational Cancer Research</i> , 2021, 10, 3090-3110.	1.0	15
2783	MicroRNAs Regulating Autophagy in Neurodegeneration. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1208, 191-264.	1.6	1
2784	The Interplay Between Viruses and RNAi Pathways in Insects. <i>Annual Review of Entomology</i> , 2021, 66, 61-79.	11.8	47
2785	Genetics of Pediatric Tumors. , 2021, , 823-837.		0
2786	MicroRNAs for Diagnosis and Treatment of Colorectal Cancer. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2021, 21, 47-55.	1.2	7
2787	Regulation of pri-MIRNA processing: mechanistic insights into the miRNA homeostasis in plant. <i>Plant Cell Reports</i> , 2021, 40, 783-798.	5.6	17
2788	Machine Learning Perspective in Cancer Research. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , 2021, , 142-163.	0.1	2
2789	In Silico Identification and Functional Characterization of Conserved miRNAs in the Genome of <i>Cryptosporidium parvum</i> . <i>Bioinformatics and Biology Insights</i> , 2021, 15, 117793222110276.	2.0	4

#	ARTICLE	IF	CITATIONS
2790	Role of Bioinformatics in MicroRNA Analysis. , 2021, , 365-373.		3
2791	Peroxisome Proliferator-Activated Receptors (PPAR), fatty acids and microRNAs: Implications in women delivering low birth weight babies.. Systems Biology in Reproductive Medicine, 2021, 67, 24-41.	2.1	10
2792	miR-106b as an emerging therapeutic target in cancer. Genes and Diseases, 2022, 9, 889-899.	3.4	17
2793	miRNAs as attractive diagnostic and therapeutic targets for Familial Mediterranean Fever. Modern Rheumatology, 2021, 31, 949-959.	1.8	4
2795	miRNA: local guardians of presynaptic function in plasticity and disease. RNA Biology, 2021, 18, 1014-1024.	3.1	10
2796	A review on EBV encoded and EBV-induced host microRNAs expression profile in different lymphoma types. Molecular Biology Reports, 2021, 48, 1801-1817.	2.3	12
2797	The Implications of ncRNAs in the Development of Human Diseases. Non-coding RNA, 2021, 7, 17.	2.6	28
2798	Identification of MiR-93-5p Targeted Pathogenic Markers in Acute Myeloid Leukemia through Integrative Bioinformatics Analysis and Clinical Validation. Journal of Oncology, 2021, 2021, 1-17.	1.3	2
2799	Cyclin-Dependent Kinases (CDK) and Their Role in Diseases Developmentâ€“Review. International Journal of Molecular Sciences, 2021, 22, 2935.	4.1	65
2800	The Roles of MicroRNAs in Male Infertility. International Journal of Molecular Sciences, 2021, 22, 2910.	4.1	27
2801	Noncoding RNAs in Glioblastoma: Emerging Biological Concepts and Potential Therapeutic Implications. Cancers, 2021, 13, 1555.	3.7	24
2802	Small Non-Coding-RNA in Gynecological Malignancies. Cancers, 2021, 13, 1085.	3.7	20
2803	MicroRNA as Epigenetic Modifiers in Endometrial Cancer: A Systematic Review. Cancers, 2021, 13, 1137.	3.7	17
2804	Mesenchymal Stromal Cell-Derived Extracellular Vesicles Regulate the Mitochondrial Metabolism via Transfer of miRNAs. Frontiers in Immunology, 2021, 12, 623973.	4.8	18
2805	MicroRNA annotation in plants: current status and challenges. Briefings in Bioinformatics, 2021, 22, .	6.5	10
2806	MicroRNAs and the HIF/VEGF axis in ocular neovascular diseases. Acta Ophthalmologica, 2021, 99, e1255-e1262.	1.1	17
2807	Foam Cells as Therapeutic Targets in Atherosclerosis with a Focus on the Regulatory Roles of Non-Coding RNAs. International Journal of Molecular Sciences, 2021, 22, 2529.	4.1	42
2808	The role of miRNA in plantâ€“virus interaction: a review. Molecular Biology Reports, 2021, 48, 2853-2861.	2.3	24

#	ARTICLE	IF	CITATIONS
2809	Biological relevance and therapeutic potential of G-quadruplex structures in the human noncoding transcriptome. <i>Nucleic Acids Research</i> , 2021, 49, 3617-3633.	14.5	50
2810	Cytoplasmic HYL1 modulates miRNA-mediated translational repression. <i>Plant Cell</i> , 2021, 33, 1980-1996.	6.6	30
2811	Circulating MicroRNAs in Blood and Other Body Fluids as Biomarkers for Diagnosis, Prognosis, and Therapy Response in Lung Cancer. <i>Diagnostics</i> , 2021, 11, 421.	2.6	12
2812	Modulating host gene expression via gut microbiomeâ€microRNA interplay to treat human diseases. <i>Critical Reviews in Microbiology</i> , 2021, 47, 596-611.	6.1	4
2813	The Salivary miRNome: A Promising Biomarker of Disease. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2021, 10, 29-38.	1.2	4
2814	MicroRNAs and thyroid hormone action. <i>Molecular and Cellular Endocrinology</i> , 2021, 525, 111175.	3.2	12
2815	Non-Coding RNA and Diabetic Kidney Disease. <i>DNA and Cell Biology</i> , 2021, 40, 553-567.	1.9	27
2816	Roles of microRNAs in Regulating Cancer Stemness in Head and Neck Cancers. <i>Cancers</i> , 2021, 13, 1742.	3.7	10
2817	Non-coding RNAs modulate autophagy in myocardial ischemia-reperfusion injury: a systematic review. <i>Journal of Cardiothoracic Surgery</i> , 2021, 16, 140.	1.1	8
2818	Takotsubo Syndrome: Clinical Manifestations, Etiology and Pathogenesis. <i>Current Cardiology Reviews</i> , 2021, 17, 188-203.	1.5	12
2819	Regulatory MicroRNAs in T2DM and Breast Cancer. <i>Processes</i> , 2021, 9, 819.	2.8	5
2820	MicroRNA-Mediated Host-Pathogen Interactions Between <i>Bombyx mori</i> and Viruses. <i>Frontiers in Physiology</i> , 2021, 12, 672205.	2.8	9
2821	Application of the targeted sequencing approach reveals the single nucleotide polymorphism (SNP) repertoire in microRNA genes in the pig genome. <i>Scientific Reports</i> , 2021, 11, 9848.	3.3	5
2822	miRNA-Mediated Control of B Cell Responses in Immunity and SLE. <i>Frontiers in Immunology</i> , 2021, 12, 683710.	4.8	15
2823	DoeD, D°ÑCD¾DDDš D² D¾D½D°D¾D»D¾D¾D, D¾Ñ, D¼DµÑ...D°D½D, D¾D¾D¾D² ÑCDµD³ÑfD»ÑÑ†D, D¾ÑD;ÑCDµÑÑD, D, t		
2824	Non-coding RNAs in Wilmsâ€™ tumor: biological function, mechanism, and clinical implications. <i>Journal of Molecular Medicine</i> , 2021, 99, 1043-1055.	3.9	1
2825	MiRNAs in early brain development and pediatric cancer. <i>BioEssays</i> , 2021, 43, e2100073.	2.5	10
2826	In Response to Abiotic Stress, DNA Methylation Confers EpiGenetic Changes in Plants. <i>Plants</i> , 2021, 10, 1096.	3.5	50

#	ARTICLE	IF	CITATIONS
2827	Sepsisâ€™ Pathophysiology and Therapeutic Concepts. <i>Frontiers in Medicine</i> , 2021, 8, 628302.	2.6	133
2828	Mathematical Algorithm for Identification of Eukaryotic Promoter Sequences. <i>Symmetry</i> , 2021, 13, 917.	2.2	6
2829	<scp>RNA</scp> interference of <i>Argonauteâ€1</i> delays ovarian development in the oriental fruit fly, <scp><i>Bactrocera dorsalis</i></scp> (<scp>Hendel</scp>). <i>Pest Management Science</i> , 2021, 77, 3921-3933.	3.4	7
2830	One vectorâ€™based method to verify predicted plant miRNAs, target sequences, and function modes. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3105-3116.	3.3	1
2831	Biogenesis, characterization, and functions of mirtrons. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1680.	6.4	33
2832	Genetic Polymorphisms in miR-604A>G, miR-938G>A, miR-1302-3C>T and the Risk of Idiopathic Recurrent Pregnancy Loss. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6127.	4.1	10
2833	miRNA-based approaches for sustainable control of diseases. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 0, , .	1.0	1
2834	An Assessment on Ethanol-Blended Gasoline/Diesel Fuels on Cancer Risk and Mortality. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6930.	2.6	7
2835	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.	4.1	14
2836	Slow Transcription of the 99a/let-7c/125b-2 Cluster Results in Differential MiRNA Expression and Promotes Melanoma Phenotypic Plasticity. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2944-2956.e6.	0.7	3
2837	Influenza Virus RNA-Dependent RNA Polymerase and the Host Transcriptional Apparatus. <i>Annual Review of Biochemistry</i> , 2021, 90, 321-348.	11.1	19
2838	Hormone-dependent activation and repression of microRNAs by the ecdysone receptor in the dengue vector mosquito <i>Aedes aegypti</i>. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	7
2839	MicroRNA: A signature for cancer progression. <i>Biomedicine and Pharmacotherapy</i> , 2021, 138, 111528.	5.6	115
2840	miRNAs: Tiny super-soldiers shaping the life of rice plants for facing â€œstressâ€™ful times. <i>Plant Gene</i> , 2021, 26, 100281.	2.3	2
2841	C-myc promotes miR-92a-2-5p transcription in rat ovarian granulosa cells after cadmium exposure. <i>Toxicology and Applied Pharmacology</i> , 2021, 421, 115536.	2.8	16
2842	miRNA in cardiac development and regeneration. <i>Cell Regeneration</i> , 2021, 10, 14.	2.6	34
2843	MicroRNAs: emerging driver of cancer perineural invasion. <i>Cell and Bioscience</i> , 2021, 11, 117.	4.8	18
2844	Regulation of Osteoclastogenesis and Bone Resorption by miRNAs. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 651161.	3.7	19

#	ARTICLE	IF	CITATIONS
2845	Do miRNAs Have a Role in Platelet Function Regulation?. <i>Hamostaseologie</i> , 2021, 41, 217-224.	1.9	4
2846	Role of microRNAs in mediating biotic and abiotic stress in plants. <i>Plant Gene</i> , 2021, 26, 100277.	2.3	14
2847	Transcriptional regulation of T-bet, GATA3, RORγT, HERV-K env, Syncytin-1, microRNA-9, 192 and 205 induced by nisin in colorectal cancer cell lines (SW480, HCT116) and human peripheral blood mononuclear cell. <i>Gene Reports</i> , 2021, 23, 101025.	0.8	2
2848	MicroRNA Sequences Modulated by Beta Cell Lipid Metabolism: Implications for Type 2 Diabetes Mellitus. <i>Biology</i> , 2021, 10, 534.	2.8	4
2849	Role of epigenetics in carcinogenesis: Recent advancements in anticancer therapy. <i>Seminars in Cancer Biology</i> , 2022, 83, 441-451.	9.6	18
2850	YB1 regulates miRϵ205/200bϵZEB1</i> axis by inhibiting microRNA maturation in hepatocellular carcinoma. <i>Cancer Communications</i> , 2021, 41, 576-595.	9.2	18
2851	MicroRNAs in Cancer: From Gene Expression Regulation to the Metastatic Niche Reprogramming. <i>Biochemistry (Moscow)</i> , 2021, 86, 785-799.	1.5	21
2852	Mdm-MIR393b-mediated adventitious root formation by targeted regulation of MdTIR1A expression and weakened sensitivity to auxin in apple rootstock. <i>Plant Science</i> , 2021, 308, 110909.	3.6	14
2853	Plants-nematodes-microbes crosstalk within soil: A trade-off among friends or foes. <i>Microbiological Research</i> , 2021, 248, 126755.	5.3	21
2854	Huntingtin and Its Role in Mechanisms of RNA-Mediated Toxicity. <i>Toxins</i> , 2021, 13, 487.	3.4	12
2855	Loss of Setd2 associates with aberrant microRNA expression and contributes to inflammatory bowel disease progression in mice. <i>Genomics</i> , 2021, 113, 2441-2454.	2.9	2
2856	MicroRNAs in pemphigus and pemphigoid diseases. <i>Autoimmunity Reviews</i> , 2021, 20, 102852.	5.8	7
2857	The potential use of microRNAs as a therapeutic strategy for SARS-CoV-2 infection. <i>Archives of Virology</i> , 2021, 166, 2649-2672.	2.1	21
2858	Epitranscriptomics: A New Layer of microRNA Regulation in Cancer. <i>Cancers</i> , 2021, 13, 3372.	3.7	16
2859	Dysregulation of microRNA and Intracerebral Hemorrhage: Roles in Neuroinflammation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8115.	4.1	8
2860	Circulating microRNAs from the Molecular Mechanisms to Clinical Biomarkers: A Focus on the Clear Cell Renal Cell Carcinoma. <i>Genes</i> , 2021, 12, 1154.	2.4	13
2861	Flavonoid display ability to target microRNAs in cancer pathogenesis. <i>Biochemical Pharmacology</i> , 2021, 189, 114409.	4.4	12
2862	microRNA dynamic expression regulates invariant NKT cells. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6003-6015.	5.4	4

#	ARTICLE	IF	CITATIONS
2863	The Roles of MicroRNAs in Tendon Healing and Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 687117.	3.7	9
2864	Non-Coding RNAs: Novel Players in Insulin Resistance and Related Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7716.	4.1	15
2865	Identification of Novel miRNAs and Their Target Genes in the Response to Absciscic Acid in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7153.	4.1	5
2866	MicroRNAs in Epithelial-Mesenchymal Transition Process of Cancer: Potential Targets for Chemotherapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7526.	4.1	12
2867	Posttranscriptional Regulation of the Human ABCG2 Multidrug Transporter Protein by Artificial Mirtrons. <i>Genes</i> , 2021, 12, 1068.	2.4	2
2868	Regulation of Nuclear Factor-KappaB (NF- κ B) signaling pathway by non-coding RNAs in cancer: Inhibiting or promoting carcinogenesis?. <i>Cancer Letters</i> , 2021, 509, 63-80.	7.2	166
2869	Epigenetic Regulation of microRNAs in Cancer: Shortening the Distance from Bench to Bedside. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7350.	4.1	38
2870	MicroRNA clustering on the biogenesis of suboptimal microRNAs. <i>Applied Biological Chemistry</i> , 2021, 64, .	1.9	9
2871	Roles of microRNAs in renal disorders related to primary podocyte dysfunction. <i>Life Sciences</i> , 2021, 277, 119463.	4.3	8
2874	The Identification of HSA-MIR-17-5P Existence in the Exosome of Adipose-Derived Stem Cells and Adipocytes. <i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> , 0, 52, 66-75.	0.5	0
2875	microRNAs as novel diagnostic biomarkers in endometriosis patients: a systematic review and meta-analysis. <i>Expert Review of Molecular Diagnostics</i> , 2022, 22, 479-495.	3.1	11
2876	New epigenetic players in stroke pathogenesis: From non-coding RNAs to exosomal non-coding RNAs. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111753.	5.6	29
2877	Recent Advancements in Apoptosis-Based Therapeutic Approaches for Cancer Targeting. , 0, , .		0
2879	Exosomes and Micro-RNAs in Aging Process. <i>Biomedicines</i> , 2021, 9, 968.	3.2	12
2880	Regulation of MicroRNAs. <i>Methods in Molecular Biology</i> , 2022, 2257, 1-32.	0.9	20
2881	A quantitative map of human primary microRNA processing sites. <i>Molecular Cell</i> , 2021, 81, 3422-3439.e11.	9.7	42
2882	Endogenous miRNA Sponges. <i>Methods in Molecular Biology</i> , 2022, 2257, 91-104.	0.9	44
2883	Noncoding RNAs involved in the STAT3 pathway in glioma. <i>Cancer Cell International</i> , 2021, 21, 445.	4.1	17

#	ARTICLE	IF	CITATIONS
2884	microRNAs, the Link Between Dengue Virus and the Host Genome. <i>Frontiers in Microbiology</i> , 2021, 12, 714409.	3.5	7
2885	Role of miRNAs in Normal Endometrium and in Endometrial Disorders: Comprehensive Review. <i>Journal of Clinical Medicine</i> , 2021, 10, 3457.	2.4	27
2886	The emerging role of microRNAs in fish ovary: A mini review. <i>General and Comparative Endocrinology</i> , 2021, 311, 113850.	1.8	5
2887	The Role of microRNA in Pancreatic Cancer. <i>Biomedicines</i> , 2021, 9, 1322.	3.2	14
2888	Extracellular miRNAs as mediators of obesity-associated disease. <i>Journal of Physiology</i> , 2022, 600, 1155-1169.	2.9	28
2889	Small RNAs: The Essential Regulators in Plant Thermotolerance. <i>Frontiers in Plant Science</i> , 2021, 12, 726762.	3.6	10
2890	Profiling of MicroRNAs in Midguts of <i>Plutella xylostella</i> Provides Novel Insights Into the <i>Bacillus thuringiensis</i> Resistance. <i>Frontiers in Genetics</i> , 2021, 12, 739849.	2.3	3
2891	Mutations in cis that affect mRNA synthesis, processing and translation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166166.	3.8	15
2892	Modulation of MicroRNA Processing by Dicer via Its Associated dsRNA Binding Proteins. <i>Non-coding RNA</i> , 2021, 7, 57.	2.6	19
2893	Herpes simplex virus 1 evades cellular antiviral response by inducing microRNA-24, which attenuates STING synthesis. <i>PLoS Pathogens</i> , 2021, 17, e1009950.	4.7	19
2894	The development and improvement of ribonucleic acid therapy strategies. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 997-1013.	5.1	11
2896	Association of microRNAs With Embryo Development and Fertilization in Women Undergoing Subfertility Treatments: A Pilot Study. <i>Frontiers in Reproductive Health</i> , 2021, 3, .	1.9	4
2897	Structural basis of microRNA processing by Dicer-like 1. <i>Nature Plants</i> , 2021, 7, 1389-1396.	9.3	66
2898	Potential Biomarkers of miR-371-373 Gene Cluster in Tumorigenesis. <i>Life</i> , 2021, 11, 984.	2.4	7
2899	Characterization of microRNAs involved in asymbiotic germination of <i>Bletilla striata</i> (Orchidaceae) seeds. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 163-173.	5.8	3
2900	Dealing with transcription-blocking DNA damage: Repair mechanisms, RNA polymerase II processing and human disorders. <i>DNA Repair</i> , 2021, 106, 103192.	2.8	25
2901	The role of MicroRNAs in tendon injury, repair, and related tissue engineering. <i>Biomaterials</i> , 2021, 277, 121083.	11.4	21
2902	Non-coding RNAs: The key regulators in NLRP3 inflammasome-mediated inflammatory diseases. <i>International Immunopharmacology</i> , 2021, 100, 108105.	3.8	5

#	ARTICLE	IF	CITATIONS
2903	Characterization of MDA5 and microRNA-203 negatively regulates the RLR signaling pathway via targeting MDA5 in miuiy croaker. Developmental and Comparative Immunology, 2022, 126, 104259.	2.3	7
2904	Regulation of miR-126 and miR-122 Expression and Response of Imatinib Treatment on Its Expression in Chronic Myeloid Leukemia Patients. Oncology Research and Treatment, 2021, 44, 530-537.	1.2	4
2905	Epigenetic processesâ€”An overview. , 2021, , 23-36.		0
2906	Adverse Maternal Environment Alters MicroRNA-10b-5p Expression and Its Epigenetic Profile Concurrently with Impaired Hippocampal Neurogenesis in Male Mouse Hippocampus. Developmental Neuroscience, 2021, 43, 95-105.	2.0	7
2907	siRNA Specificity: RNAi Mechanisms and Strategies to Reduce Off-Target Effects. Frontiers in Plant Science, 2020, 11, 526455.	3.6	62
2908	A Systematic Review of Applications of Machine Learning in Cancer Prediction and Diagnosis. Archives of Computational Methods in Engineering, 2021, 28, 4875-4896.	10.2	24
2911	miR-144-5p and miR-451a Inhibit the Growth of Cholangiocarcinoma Cells Through Decreasing the Expression of ST8SIA4. Frontiers in Oncology, 2020, 10, 563486.	2.8	20
2912	miR-148a-3p suppresses the progression of acute myeloid leukemia via targeting cyclin-dependent kinase 6 (CDK6). Bioengineered, 2021, 12, 4508-4519.	3.2	10
2913	Exosomes in Immune Regulation. Non-coding RNA, 2021, 7, 4.	2.6	23
2914	Nonprotein-coding RNAs and their Potential as Biopharmaceuticals. , 0, , 213-227.		2
2915	The Biogenesis and Function of MicroRNAs. , 2006, , 481-492.		4
2916	Non-coding Regulatory RNAs of the DNA Tumor Viruses. , 2009, , 645-682.		6
2917	MicroRNA in Human Cancer: One Step Forward in Diagnosis and Treatment. , 2008, 622, 69-78.		9
2918	MicroRNAs: New Players in AML Pathogenesis. Cancer Treatment and Research, 2009, 145, 169-181.	0.5	2
2919	Development of Macrophages and Granulocytes. , 2009, , 127-149.		1
2920	Roles of MicroRNAs in Esophageal Squamous Cell Carcinoma Pathogenesis. Methods in Molecular Biology, 2020, 2129, 241-257.	0.9	5
2921	RNAi Therapy for Dominant Muscular Dystrophies and Other Myopathies. , 2010, , 99-115.		6
2923	Noncoding Regulatory RNAs. , 2013, , 145-160.		2

#	ARTICLE	IF	CITATIONS
2924	Role of MicroRNAs in Stem Cell Regulation and Tumorigenesis in Drosophila. , 2014, , 69-80.		1
2925	Clinical Implications of MicroRNAs in AML. , 2015, , 699-705.		2
2926	Gene Silencing In Vitro and In Vivo Using Intronic MicroRNAs. Methods in Molecular Biology, 2015, 1218, 321-340.	0.9	7
2927	MicroRNA Function in Mast Cell Biology: Protocols to Characterize and Modulate MicroRNA Expression. Methods in Molecular Biology, 2015, 1220, 287-304.	0.9	11
2928	Cancer Epigenetics: An Introduction. Methods in Molecular Biology, 2015, 1238, 3-25.	0.9	195
2929	MicroRNA-Mediated Reprogramming of Somatic Cells into Induced Pluripotent Stem Cells. Methods in Molecular Biology, 2015, 1330, 29-36.	0.9	21
2930	Efficient 5' Cap-Dependent RNA Purification: Use in Identifying and Studying Subsets of RNA. Methods in Molecular Biology, 2008, 419, 147-160.	0.9	15
2931	Knock-Down of Gene Expression in Hematopoietic Cells. Methods in Molecular Biology, 2009, 506, 207-219.	0.9	7
2932	Processing of miRNA Precursors. Methods in Molecular Biology, 2010, 592, 231-241.	0.9	10
2933	Protein Components of the microRNA Pathway and Human Diseases. Methods in Molecular Biology, 2009, 487, 1-17.	0.9	55
2934	Emergence of a Complex Relationship between HIV-1 and the microRNA Pathway. Methods in Molecular Biology, 2009, 487, 1-19.	0.9	18
2935	miRNAs: From Biogenesis to Networks. Methods in Molecular Biology, 2009, 563, 303-352.	0.9	19
2936	Current Knowledge of MicroRNAs and Noncoding RNAs in Virus-Infected Cells. Methods in Molecular Biology, 2010, 623, 35-65.	0.9	21
2937	Detection of Human Dicer and Argonaute 2 Catalytic Activity. Methods in Molecular Biology, 2011, 725, 121-141.	0.9	14
2938	Probing Endogenous RNA Polymerase II Pre-initiation Complexes by Electrophoretic Mobility Shift Assay. Methods in Molecular Biology, 2012, 809, 63-74.	0.9	5
2939	Polycistronic Expression of Interfering RNAs from RNA Polymerase III Promoters. Methods in Molecular Biology, 2012, 815, 347-359.	0.9	1
2940	miRNAs in Human Cancer. Methods in Molecular Biology, 2012, 822, 295-306.	0.9	56
2941	Current and Future Developments in Cancer Therapy Research: miRNAs as New Promising Targets or Tools. , 2012, , 517-546.		2

#	ARTICLE	IF	CITATIONS
2942	In Vivo Gene Silencing by Virally Delivered MicroRNA. <i>Neuromethods</i> , 2014, , 245-267.	0.3	1
2943	Computational Prediction of MicroRNA Genes. <i>Methods in Molecular Biology</i> , 2014, 1097, 437-456.	0.9	15
2944	Functional, Structural, and Sequence Studies of MicroRNA. <i>Methods in Molecular Biology</i> , 2014, 1107, 189-206.	0.9	6
2945	The Biology of Toll-Like Receptors and NOD-Like Receptors: The Toggles of Inflammation. , 2013, , 1-25.		2
2946	Novel Mechanisms of Disease: Network Biology and MicroRNA Signaling in Pulmonary Hypertension. , 2016, , 123-133.		2
2947	RNAi Applications in Target Validation. , 2007, , 1-21.		11
2948	Epigenetics and microRNAs in Cancer. , 2015, , 285-294.		2
2949	miRNAs in Malignant Melanoma. , 2011, , 105-136.		1
2950	Toxicogenomics: transcription profiling for toxicology assessment. <i>Exs</i> , 2009, 99, 325-366.	1.4	14
2951	MicroRNA-Based Approach to Improve Nitrogen Use Efficiency in Crop Plants. , 2015, , 221-235.		5
2952	Small RNA-Mediated Defensive and Adaptive Responses in Plants. <i>Sustainable Agriculture Reviews</i> , 2011, , 129-160.	1.1	4
2953	Reciprocal Interconnection of miRNome-Epigenome in Cancer Pathogenesis and Its Therapeutic Potential. , 2015, , 101-135.		3
2954	MicroRNAs in Cancer: From Diagnosis to Therapeutics. , 2020, , 199-236.		2
2955	An Overview of Non-coding RNAs and Cardiovascular System. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1229, 3-45.	1.6	7
2956	Non-coding RNAs and Ischemic Cardiovascular Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1229, 259-271.	1.6	6
2957	Current strategies for microRNA research. <i>Modern Rheumatology</i> , 2012, 22, 645-653.	1.8	9
2958	MicroRNA Deregulation in Lung Cancer and Their Use as Clinical Tools. , 2016, , 539-555.		1
2959	MicroRNAs in breast cancer: New maestros defining the melody. <i>Cancer Genetics</i> , 2020, 246-247, 18-40.	0.4	19

#	ARTICLE	IF	CITATIONS
2960	Good or not good: Role of miR-18a in cancer biology. Reports of Practical Oncology and Radiotherapy, 2020, 25, 808-819.	0.6	51
2961	MicroRNA regulation of K-Ras in pancreatic cancer and opportunities for therapeutic intervention. Seminars in Cancer Biology, 2019, 54, 63-71.	9.6	42
2962	Two distinct nucleic acid binding surfaces of Cdc5 regulate development. Biochemical Journal, 2019, 476, 3355-3368.	3.7	3
2963	MicroRNAs as sentinels and protagonists of carotid artery thromboembolism. Clinical Science, 2020, 134, 169-192.	4.3	15
2964	DIANA-miRGen v4: indexing promoters and regulators for more than 1500 microRNAs. Nucleic Acids Research, 2021, 49, D151-D159.	14.5	18
2965	Epigenetic in medullary thyroid cancer: the role of microRNA in tumorigenesis and prognosis. Current Opinion in Oncology, 2021, 33, 9-15.	2.4	6
2966	Beyond sites 1 and 2, miR-122 target sites in the HCV genome have negligible contributions to HCV RNA accumulation in cell culture. Journal of General Virology, 2019, 100, 217-226.	2.9	9
2968	Oxidative Stress in Ischemic Heart Disease. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-30.	4.0	63
2969	MicroRNA15a modulates expression of the cell-cycle regulator Cdc25A and affects hepatic cystogenesis in a rat model of polycystic kidney disease. Journal of Clinical Investigation, 2008, 118, 3714-3724.	8.2	158
2970	Harnessing endogenous miR-181a to segregate transgenic antigen receptor expression in developing versus post-thymic T cells in murine hematopoietic chimeras. Journal of Clinical Investigation, 2009, 119, 157-68.	8.2	51
2971	Bacterial control of host gene expression through RNA polymerase II. Journal of Clinical Investigation, 2013, 123, 2366-2379.	8.2	71
2972	Recent Progress in Polymerase II-Mediated Intronic microRNA Expression Systems. , 2009, , 275-299.		2
2973	MicroRNA-Based RNA Polymerase II Expression Vectors for RNA Interference in Mammalian Cells. , 2009, , 301-315.		1
2974	RNA Interference and microRNAs in Zebra Fish. , 2009, , 149-172.		1
2975	Emerging Roles for MicroRNAs in Diabetic Microvascular Disease: Novel Targets for Therapy. Endocrine Reviews, 2017, 2017, 1-22.	20.1	11
2976	The terminal differentiation factor LIN-29 is required for proper vulval morphogenesis and egg laying in <i>Caenorhabditis elegans</i> . Development (Cambridge), 1997, 124, 4333-4342.	2.5	34
2977	miRNA Involvement in β^2 -adrenoceptor Signaling Pathway in Rat Heart. Medical Science Monitor, 2012, 18, BR309-BR314.	1.1	35
2978	The distribution of circulating microRNA and their relation to coronary disease. F1000Research, 2012, 1, 50.	1.6	40

#	ARTICLE	IF	CITATIONS
2979	Clinical applications of microRNAs. <i>F1000Research</i> , 2013, 2, 136.	1.6	126
2981	The role of microRNAs in animal physiology and pathology. <i>Translational Research in Veterinary Science</i> , 2018, 1, 13.	0.1	2
2982	MicroRNA-124 Suppresses Tumor Cell Proliferation and Invasion by Targeting CD164 Signaling Pathway in Non-Small Cell Lung Cancer. <i>Journal of Gene Therapy</i> , 2016, 2, .	1.0	22
2983	Processing of Pre-microRNAs by the Dicer-1â€“Loquacious Complex in <i>Drosophila</i> Cells. <i>PLoS Biology</i> , 2005, 3, e235.	5.6	352
2984	Antagomir-17-5p Abolishes the Growth of Therapy-Resistant Neuroblastoma through p21 and BIM. <i>PLoS ONE</i> , 2008, 3, e2236.	2.5	345
2985	Aberrant Expression of Oncogenic and Tumor-Suppressive MicroRNAs in Cervical Cancer Is Required for Cancer Cell Growth. <i>PLoS ONE</i> , 2008, 3, e2557.	2.5	610
2986	The Silkworm (<i>Bombyx mori</i>) microRNAs and Their Expressions in Multiple Developmental Stages. <i>PLoS ONE</i> , 2008, 3, e2997.	2.5	130
2987	Features of Mammalian microRNA Promoters Emerge from Polymerase II Chromatin Immunoprecipitation Data. <i>PLoS ONE</i> , 2009, 4, e5279.	2.5	240
2988	miR-22 Forms a Regulatory Loop in PTEN/AKT Pathway and Modulates Signaling Kinetics. <i>PLoS ONE</i> , 2010, 5, e10859.	2.5	124
2989	MatureBayes: A Probabilistic Algorithm for Identifying the Mature miRNA within Novel Precursors. <i>PLoS ONE</i> , 2010, 5, e11843.	2.5	132
2990	RNA Polymerase II Binding Patterns Reveal Genomic Regions Involved in MicroRNA Gene Regulation. <i>PLoS ONE</i> , 2010, 5, e13798.	2.5	49
2991	Glycogen Synthase Kinase 3 Beta (GSK3 β) Phosphorylates the RNAase III Enzyme Drosha at S300 and S302. <i>PLoS ONE</i> , 2011, 6, e20391.	2.5	58
2992	Comparative Analysis of Human Protein-Coding and Noncoding RNAs between Brain and 10 Mixed Cell Lines by RNA-Seq. <i>PLoS ONE</i> , 2011, 6, e28318.	2.5	27
2993	Preservation of Ranking Order in the Expression of Human Housekeeping Genes. <i>PLoS ONE</i> , 2011, 6, e29314.	2.5	10
2994	A Daphnane Diterpenoid Isolated from <i>Wikstroemia polyantha</i> Induces an Inflammatory Response and Modulates miRNA Activity. <i>PLoS ONE</i> , 2012, 7, e39621.	2.5	9
2995	Genome-Wide Identification of miRNAs Responsive to Drought in Peach (<i>Prunus persica</i>) by High-Throughput Deep Sequencing. <i>PLoS ONE</i> , 2012, 7, e50298.	2.5	169
2996	Identifying Conserved and Novel MicroRNAs in Developing Seeds of <i>Brassica napus</i> Using Deep Sequencing. <i>PLoS ONE</i> , 2012, 7, e50663.	2.5	61
2997	Expression-Based Functional Investigation of the Organ-Specific MicroRNAs in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2012, 7, e50870.	2.5	16

#	ARTICLE	IF	CITATIONS
2998	Different Effects of Three Polymorphisms in MicroRNAs on Cancer Risk in Asian Population: Evidence from Published Literatures. PLoS ONE, 2013, 8, e65123.	2.5	28
2999	miReader: Discovering Novel miRNAs in Species without Sequenced Genome. PLoS ONE, 2013, 8, e66857.	2.5	37
3000	Downregulation of MicroRNA-130a Contributes to Endothelial Progenitor Cell Dysfunction in Diabetic Patients via Its Target Runx3. PLoS ONE, 2013, 8, e68611.	2.5	73
3001	Methylated DNA Binding Domain Protein 2 (MBD2) Coordinately Silences Gene Expression through Activation of the MicroRNA hsa-mir-496 Promoter in Breast Cancer Cell Line. PLoS ONE, 2013, 8, e74009.	2.5	26
3002	microRNA 126 Inhibits the Transition of Endothelial Progenitor Cells to Mesenchymal Cells via the PIK3R2-PI3K/Akt Signalling Pathway. PLoS ONE, 2013, 8, e83294.	2.5	62
3003	Systems and Evolutionary Characterization of MicroRNAs and Their Underlying Regulatory Networks in Soybean Cotyledons. PLoS ONE, 2014, 9, e86153.	2.5	37
3004	Dendritic Cell-Associated miRNAs Are Modulated via Chromatin Remodeling in Response to Different Environments. PLoS ONE, 2014, 9, e90231.	2.5	13
3005	Label-Free Quantification of MicroRNAs Using Ligase-Assisted Sandwich Hybridization on a DNA Microarray. PLoS ONE, 2014, 9, e90920.	2.5	27
3006	ADAM9 Up-Regulates N-Cadherin via miR-218 Suppression in Lung Adenocarcinoma Cells. PLoS ONE, 2014, 9, e94065.	2.5	32
3007	Blood Feeding and Plasmodium Infection Alters the miRNome of Anopheles stephensi. PLoS ONE, 2014, 9, e98402.	2.5	38
3008	Bioinformatics Analysis of Small RNAs in Pima (Gossypium barbadense L.). PLoS ONE, 2015, 10, e0116826.	2.5	7
3009	The Porcine MicroRNA Transcriptome Response to Transmissible Gastroenteritis Virus Infection. PLoS ONE, 2015, 10, e0120377.	2.5	16
3010	Identification of Real MicroRNA Precursors with a Pseudo Structure Status Composition Approach. PLoS ONE, 2015, 10, e0121501.	2.5	193
3011	Polycomb Repressive Complex 2 Regulates MiR-200b in Retinal Endothelial Cells: Potential Relevance in Diabetic Retinopathy. PLoS ONE, 2015, 10, e0123987.	2.5	58
3012	Identification of MicroRNAs in Response to Different Day Lengths in Soybean Using High-Throughput Sequencing and qRT-PCR. PLoS ONE, 2015, 10, e0132621.	2.5	16
3013	Genome-Wide Identification of MicroRNAs in Leaves and the Developing Head of Four Durum Genotypes during Water Deficit Stress. PLoS ONE, 2015, 10, e0142799.	2.5	43
3014	A pH Sensitive High-Throughput Assay for miRNA Binding of a Peptide-Aminoglycoside (PA) Library. PLoS ONE, 2015, 10, e0144251.	2.5	16
3015	GTPase Activating Protein (Sh3 Domain) Binding Protein 1 Regulates the Processing of MicroRNA-1 during Cardiac Hypertrophy. PLoS ONE, 2015, 10, e0145112.	2.5	25

#	ARTICLE	IF	CITATIONS
3016	Small RNA pathways in <i>Schmidtea mediterranea</i> . <i>International Journal of Developmental Biology</i> , 2012, 56, 67-74.	0.6	14
3017	Future Perspective of Preeclampsia by miRNA.. <i>Global Journal of Human Genetics & Gene Therapy</i> , 2015, 2, 68-78.	0.0	2
3018	MicroRNAs as Important Players in Host-hepatitis B Virus Interactions. <i>Journal of Clinical and Translational Hepatology</i> , 2015, 3, 149-61.	1.4	17
3019	Identification and Expression of Equine MER-Derived miRNAs. <i>Molecules and Cells</i> , 2017, 40, 262-270.	2.6	2
3020	Roles of microRNAs as non-invasive biomarker and therapeutic target in colorectal cancer. <i>Histology and Histopathology</i> , 2020, 35, 225-237.	0.7	9
3021	MicroRNA-124: A promising therapeutic agent for various human diseases, including rheumatoid arthritis. <i>RNA & Disease (Houston, Tex)</i> , 0, , .	1.0	1
3022	DNA DAMAGE AT THE DAWN OF MICRO-RNA PATHWAY IMPAIRMENT IN PULMONARY ARTERIAL HYPERTENSION. <i>RNA & Disease (Houston, Tex)</i> , 0, , .	1.0	1
3023	The Biological Functions of Non-coding RNAs: From a Line to a Circle. <i>Discoveries</i> , 2015, 3, e48.	2.3	8
3024	Interplay between the androgen receptor signaling axis and microRNAs in prostate cancer. <i>Endocrine-Related Cancer</i> , 2019, 26, R237-R257.	3.1	20
3025	miR-15a/miR-16-1 expression inversely correlates with cyclin D1 levels in Men1 pituitary NETs. <i>Journal of Endocrinology</i> , 2019, 240, 41-50.	2.6	12
3026	Targeting epigenetic mechanisms as an emerging therapeutic strategy in pulmonary hypertension disease. <i>Vascular Biology (Bristol, England)</i> , 2020, 2, R17-R34.	3.2	21
3027	MicroRNAs in Bladder Cancer: Expression Profiles, Biological Functions, Regulation, and Clinical Implications. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2014, 24, 55-75.	0.9	18
3028	Regulation of Plant miRNA Biogenesis. <i>Proceedings of the Indian National Science Academy</i> , 2017, 95, .	1.4	6
3029	Experimental procedures to identify and validate specific mRNA targets of miRNAs. <i>EXCLI Journal</i> , 2015, 14, 758-90.	0.7	20
3030	miRNA-141 as the Biomarker for Human Cancers. <i>Asian Journal of Pharmaceutical Research and Health Care</i> , 2018, 10, 42-49.	0.1	5
3031	The role of microRNA in metastatic colorectal cancer and its significance in cancer prognosis and treatment.. <i>Acta Biochimica Polonica</i> , 2012, 59, .	0.5	101
3032	Barley primary microRNA expression pattern is affected by soil water availability. <i>Acta Biochimica Polonica</i> , 2017, 63, 817-824.	0.5	3
3033	FOXO1 regulates expression of a microRNA cluster on X chromosome. <i>Aging</i> , 2013, 5, 347-356.	3.1	18

#	ARTICLE	IF	CITATIONS
3034	miR-623 suppresses cell proliferation, migration and invasion through direct inhibition of XRCC5 in breast cancer. Aging, 2020, 12, 10246-10258.	3.1	16
3035	MicroRNAs as regulators and mediators of forkhead box transcription factors function in human cancers. Oncotarget, 2017, 8, 12433-12450.	1.8	28
3036	Human papillomavirus type 16 E6 suppresses microRNA-23b expression in human cervical cancer cells through DNA methylation of the host gene C9orf3. Oncotarget, 2017, 8, 12158-12173.	1.8	44
3037	Contact inhibition modulates intracellular levels of miR-223 in a p27kip1-dependent manner. Oncotarget, 2014, 5, 1185-1197.	1.8	17
3038	miRNA and lncRNA as biomarkers in cholangiocarcinoma(CCA). Oncotarget, 2017, 8, 100819-100830.	1.8	48
3039	miR-708-5p: a microRNA with emerging roles in cancer. Oncotarget, 2017, 8, 71292-71316.	1.8	49
3040	Association between SNPs in microRNA machinery genes and gastric cancer susceptibility, invasion, and metastasis in Chinese Han population. Oncotarget, 2017, 8, 86435-86446.	1.8	30
3041	Network analysis of microRNAs, genes and their regulation in diffuse and follicular B-cell lymphomas. Oncotarget, 2018, 9, 7928-7941.	1.8	22
3042	Influence of physical exercise on microRNAs in skeletal muscle regeneration, aging and diseases. Oncotarget, 2018, 9, 17220-17237.	1.8	42
3043	The microRNA feedback regulation of p63 in cancer progression. Oncotarget, 2015, 6, 8434-8453.	1.8	33
3044	The microRNA-200 family: small molecules with novel roles in cancer development, progression and therapy. Oncotarget, 2015, 6, 6472-6498.	1.8	282
3045	MicroRNA analysis suggests an additional level of feedback regulation in the NF- κ B signaling cascade. Oncotarget, 2015, 6, 17097-17106.	1.8	20
3046	Circadian disruption and breast cancer: An epigenetic link?. Oncotarget, 2015, 6, 16866-16882.	1.8	33
3047	Prolonged ovarian hormone deprivation alters the effects of 17 β -estradiol on microRNA expression in the aged female rat hypothalamus. Oncotarget, 2015, 6, 36965-36983.	1.8	21
3048	C. elegans microRNAs. WormBook, 2005, , 1-9.	5.3	27
3049	MicroRNAs: The Mega Regulators in Eukaryotic Genomes. Pure and Applied Biology, 2013, 2, 83-88.	0.2	9
3050	ROS-Inducing Agents for Cancer Chemotherapy. Reactive Oxygen Species (Apex, N C), 2016, 1, .	5.4	13
3051	MicroRNAs in Atrial Fibrillation. Current Medicinal Chemistry, 2019, 26, 855-863.	2.4	18

#	ARTICLE	IF	CITATIONS
3052	Anesthetic-induced Myocardial Conditioning: Molecular Fundamentals and Scope. Current Medicinal Chemistry, 2020, 27, 2147-2160.	2.4	5
3053	Implication of microRNAs in the Pathogenesis of MDS. Current Pharmaceutical Design, 2012, 18, 3170-3179.	1.9	20
3054	Expression profile of MicroRNA: An Emerging Hallmark of Cancer. Current Pharmaceutical Design, 2019, 25, 642-653.	1.9	35
3055	MicroRNAs and Cancer; an Overview. Current Pharmaceutical Biotechnology, 2014, 15, 430-437.	1.6	74
3056	Impact of microRNAs in Resistance to Chemotherapy and Novel Targeted Agents in Non-Small Cell Lung Cancer. Current Pharmaceutical Biotechnology, 2014, 15, 475-485.	1.6	54
3057	MicroRNAs and Bone Regeneration. Current Genomics, 2015, 16, 441-452.	1.6	40
3058	Regulating miRNA by Natural Agents as a New Strategy for Cancer Treatment. Current Drug Targets, 2013, 14, 1167-1174.	2.1	69
3059	MicroRNA Regulation and Role in Stem Cell Maintenance, Cardiac Differentiation and Hypertrophy. Current Molecular Medicine, 2013, 13, 757-764.	1.3	41
3060	Therapeutic Potential of Modulating microRNAs in Atherosclerotic Vascular Disease. Current Vascular Pharmacology, 2015, 13, 291-304.	1.7	34
3061	Angiogenesis-regulating microRNAs and Ischemic Stroke. Current Vascular Pharmacology, 2015, 13, 352-365.	1.7	135
3062	The Expression and Functional Roles of miRNAs in Embryonic and Lineage-Specific Stem Cells. Current Stem Cell Research and Therapy, 2019, 14, 278-289.	1.3	19
3063	NF- κ B-Induced Upregulation of miR-548as-3p Increases Invasion of NSCLC by Targeting PTEN. Anti-Cancer Agents in Medicinal Chemistry, 2019, 19, 1058-1068.	1.7	10
3064	Computational Tools for Genome-Wide miRNA Prediction and Study. The Open Biology Journal, 2012, 5, 23-30.	0.5	3
3065	Small and Hungry: MicroRNAs in Micronutrient Homeostasis of Plants. MicroRNA (Shariqah, United) Tj ETQq1 1 0.784314 rgBT /Overl	1.2	12
3066	Promising Personalized Anti-Cancer Therapy: the Hidden Molecular Paths for lamin A/C deficiency and Restoration. Cellular & Molecular Medicine: Open Access, 2016, 02, .	0.4	1
3067	MicroRNAs: Synthesis, Gene Regulation and Osteoblast Differentiation. Current Issues in Molecular Biology, 2013, , .	2.4	29
3068	Insights into role of microRNAs in cardiac development, cardiac diseases, and developing novel therapies. Iranian Journal of Basic Medical Sciences, 2020, 23, 961-969.	1.0	10
3069	Understanding the Host Epigenetics in Mycobacterium tuberculosis Infection. Journal of Genetics and Genome Research, 2015, 2, .	0.3	9

#	ARTICLE	IF	CITATIONS
3070	MicroRNAs are central to osteogenesis: a review with a focus on cardiovascular calcification. <i>MicroRNA Diagnostics and Therapeutics</i> , 2015, 1, .	0.0	1
3071	Small RNA-Seq reveals novel miRNAs shaping the transcriptomic identity of rat brain structures. <i>Life Science Alliance</i> , 2018, 1, e201800018.	2.8	6
3072	microRNA: Past and present. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 2316.	3.0	108
3073	Protein interactions and complexes in human microRNA biogenesis and function. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 2537.	3.0	142
3074	Expression levels of the microRNA maturing microprocessor complex components; Drosha, Dicer, and DGCR8 in PBMCs from ankylosing spondylitis patients. <i>Mediterranean Journal of Rheumatology</i> , 2017, 28, 80-85.	0.8	4
3075	Intercalating the Role of MicroRNAs in Cancer: As Enemy or Protector. <i>Asian Pacific Journal of Cancer Prevention</i> , 2020, 21, 593-598.	1.2	14
3076	The MicroRNA-23a Has Limited Roles in Bone Formation and Homeostasis In Vivo. <i>Physiological Research</i> , 2015, 64, 711-719.	0.9	13
3077	isomiRsâ€“Hidden Soldiers in the miRNA Regulatory Army, and How to Find Them?. <i>Biomolecules</i> , 2021, 11, 41.	4.0	13
3078	Head and Neck Squamous Cell Carcinoma: Epigenetic Landscape. <i>Diagnostics</i> , 2021, 11, 34.	2.6	22
3079	The Role of microRNAs in Epithelial Ovarian Cancer Metastasis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7093.	4.1	29
3082	Harnessing the RNA interference pathway to advance treatment and prevention of hepatocellular carcinoma. <i>World Journal of Gastroenterology</i> , 2008, 14, 1670.	3.3	33
3083	Inhibition of hepatitis B virus gene expression and replication by artificial microRNA. <i>World Journal of Gastroenterology</i> , 2008, 14, 4684.	3.3	24
3084	MicroRNA signatures in liver diseases. <i>World Journal of Gastroenterology</i> , 2009, 15, 1665.	3.3	113
3085	Mutual regulation between microRNA-373 and methyl-CpG-binding domain protein 2 in hilar cholangiocarcinoma. <i>World Journal of Gastroenterology</i> , 2012, 18, 3849.	3.3	32
3086	MicroRNAs: New therapeutic targets for intestinal barrier dysfunction. <i>World Journal of Gastroenterology</i> , 2014, 20, 5818.	3.3	31
3087	Small RNA- and DNA-based gene therapy for the treatment of liver cirrhosis, where we are?. <i>World Journal of Gastroenterology</i> , 2014, 20, 14696.	3.3	9
3088	MicroRNA aberrations: An emerging field for gallbladder cancer management. <i>World Journal of Gastroenterology</i> , 2016, 22, 1787.	3.3	40
3089	miRNAs as new molecular insights into inflammatory bowel disease: Crucial regulators in autoimmunity and inflammation. <i>World Journal of Gastroenterology</i> , 2016, 22, 2206-2218.	3.3	66

#	ARTICLE	IF	CITATIONS
3090	Epigenetic regulation of insulin-like growth factor axis in hepatocellular carcinoma. World Journal of Gastroenterology, 2016, 22, 2668.	3.3	11
3091	Small RNAs – their biogenesis, regulation and function in embryonic stem cells. Stembook, 2009, , .	0.3	12
3092	MicroRNAs target the Wnt/ β -catenin signaling pathway to regulate epithelial-mesenchymal transition in cancer (Review). Oncology Reports, 2020, 44, 1299-1313.	2.6	28
3093	Plant microRNAs: new players in functional genomics. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 0, , .	2.1	13
3094	MiR-608 rs4919510 C→G polymorphism increased the risk of bladder cancer in an Iranian population. AIMS Genetics, 2016, 03, 212-218.	1.9	5
3095	Expression profiles of microRNAs after focal cerebral ischemia/reperfusion injury in rats. Neural Regeneration Research, 2012, 7, 917-23.	3.0	30
3096	MicroRNAs and esophageal cancer. Journal of Gastrointestinal Oncology, 2010, 1, 55-63.	1.4	13
3097	microRNAs and cancer metabolism reprogramming: the paradigm of metformin. Annals of Translational Medicine, 2014, 2, 58.	1.7	28
3098	Quantitative Analysis of Milk-Derived microRNAs and Microbiota during the Manufacturing and Ripening of Soft Cheese. Journal of Microbiology and Biotechnology, 2017, 27, 1566-1575.	2.1	5
3099	Role of microRNAs in the molecular diagnosis of cancer. Journal of Nucleic Acids Investigation, 2010, 1, 4.	0.8	3
3101	Extracellular Micro-RNAs in Health and Disease: Basic Science, Biogenesis and Release. American Journal of Molecular Biology, 2016, 06, 1-11.	0.3	3
3102	MicroRNAs: The Potential Biomarkers in Plant Stress Response. American Journal of Plant Sciences, 2014, 05, 748-759.	0.8	59
3103	Protocol for Artificial MicroRNA Mediated Over-Expression of miR820 in Indica Rice. American Journal of Plant Sciences, 2015, 06, 1951-1961.	0.8	10
3104	Oncomorphic TP53 Mutations in Gynecologic Cancers Lose the Normal Protein:Protein Interactions with the microRNA Microprocessing Complex. Journal of Cancer Therapy, 2014, 05, 506-516.	0.4	12
3105	Microarray Analysis of microRNAs Expression Profiles in Adult and Aged Mice Hippocampus. Yangtze Medicine, 2017, 01, 216-234.	0.1	1
3106	Senescent mesenchymal stem/stromal cells and restoring their cellular functions. World Journal of Stem Cells, 2020, 12, 966-985.	2.8	23
3107	MicroRNAs, stem cells and cancer stem cells. World Journal of Stem Cells, 2012, 4, 62.	2.8	36
3108	Emerging role of microRNAs in cancer stem cells: Implications in cancer therapy. World Journal of Stem Cells, 2015, 7, 1078.	2.8	38

#	ARTICLE	IF	CITATIONS
3109	MicroRNA sequences modulating inflammation and lipid accumulation in macrophage “foam” cells: Implications for atherosclerosis. World Journal of Cardiology, 2020, 12, 303-333.	1.5	10
3110	MicroRNAs: critical mediators of differentiation, development and disease. Swiss Medical Weekly, 0, , .	1.6	46
3111	The Emerging Role of MicroRNAs in Hepatocellular Carcinoma. Euroasian Journal of Hepato-gastroenterology, 2014, 4, 45-50.	0.5	4
3112	MicroRNAs in cancer therapeutic response: Friend and foe. World Journal of Clinical Oncology, 2014, 5, 730.	2.3	45
3113	Microbial linguistics: perspectives and applications of microbial cell-to-cell communication. BMB Reports, 2011, 44, 1-10.	2.4	24
3114	Small RNA biology is systems biology. BMB Reports, 2011, 44, 11-21.	2.4	36
3115	Therapeutic implications of microRNAs in pulmonary arterial hypertension. BMB Reports, 2014, 47, 311-317.	2.4	33
3116	MicroRNA-directed cleavage of targets: mechanism and experimental approaches. BMB Reports, 2014, 47, 417-423.	2.4	74
3117	MicroRNA BIOGENESIS, FUNCTIONALITY AND CANCER RELEVANCE. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2006, 150, 205-215.	0.6	132
3118	MicroRNAs in the key events of systemic lupus erythematosus pathogenesis. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2016, 160, 327-342.	0.6	44
3119	The effect of quercetin on microRNA expression: A critical review. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2019, 163, 95-106.	0.6	21
3120	MicroRNA in lung cancer. World Journal of Methodology, 2014, 4, 59.	3.5	56
3121	Differential Expression of miR-34c and Its Predicted Target Genes in Testicular Tissue at Different Development Stages of Swine. Asian-Australasian Journal of Animal Sciences, 2015, 28, 1532-1536.	2.4	1
3122	MicroRNAs regulate granulosa cells apoptosis and follicular development “ A review. Asian-Australasian Journal of Animal Sciences, 2020, 33, 1714-1724.	2.4	9
3123	Single-nucleotide polymorphisms among microRNA: big effects on cancer. Chinese Journal of Cancer, 2011, 30, 381-391.	4.9	22
3124	Genome-Wide Identification of Estrogen Receptor Alpha Regulated miRNAs Using Transcription Factor Binding Data. , 0, , .		1
3125	microRNAs as Therapeutic Targets to Combat Diverse Human Diseases. , 0, , .		1
3126	The Role of MicroRNAs in the Cellular Response to Ionizing Radiations. , 0, , .		2

#	ARTICLE	IF	CITATIONS
3127	Application of Genome Editing Technology to MicroRNA Research in Mammalians. , O, , .		2
3128	Innate Immunity and Human Milk MicroRNAs Content: A New Perspective for Premature Newborns. Journal of Comprehensive Pediatrics, 2017, In press, .	0.3	6
3129	In silico identification of miRNAs and their target prediction from Japanese encephalitis. Journal of Bioinformatics and Sequence Analysis, 2013, 5, 25-33.	0.5	4
3130	Oncomirs: The potential role of non-coding microRNAs in understanding cancer. Bioinformation, 2008, 2, 330-334.	0.5	151
3131	MicroRNA Targets - How to predict?. Bioinformation, 2012, 8, 841-845.	0.5	9
3132	MicroRNA: from fundamental research to their application. Biopolymers and Cell, 2007, 23, 467-482.	0.4	2
3133	MicroRNAs and Metastasis-related Gene Expression in Egyptian Breast Cancer Patients. Asian Pacific Journal of Cancer Prevention, 2012, 13, 591-598.	1.2	68
3134	Association between the DICER rs1057035 Polymorphism and Cancer Risk: Evidence from a Meta-analysis of 1,2675 Individuals. Asian Pacific Journal of Cancer Prevention, 2015, 16, 119-124.	1.2	8
3136	High expression level of miR-1260 family in the peripheral blood of patients with ovarian carcinoma. Journal of Ovarian Research, 2021, 14, 131.	3.0	5
3137	Non-coding <scp>RNAs</scp> in malaria infection. Wiley Interdisciplinary Reviews RNA, 2022, 13, e1697.	6.4	11
3138	The Cohesin Complex and Its Interplay with Non-Coding RNAs. Non-coding RNA, 2021, 7, 67.	2.6	3
3139	MicroRNA Expression Profiles and Breast Cancer Chemotherapy. International Journal of Molecular Sciences, 2021, 22, 10812.	4.1	30
3140	Epigenetic Dysregulations in Merkel Cell Polyomavirus-Driven Merkel Cell Carcinoma. International Journal of Molecular Sciences, 2021, 22, 11464.	4.1	36
3141	Tumor Suppressor miRNA in Cancer Cells and the Tumor Microenvironment: Mechanism of Deregulation and Clinical Implications. Frontiers in Oncology, 2021, 11, 708765.	2.8	75
3142	RANBP1 promotes colorectal cancer progression by regulating pre-miRNA nuclear export via a positive feedback loop with YAP. Oncogene, 2022, 41, 930-942.	5.9	8
3143	The Role of Circulating MicroRNAs in Patients with Early-Stage Pancreatic Adenocarcinoma. Biomedicine, 2021, 9, 1468.	3.2	11
3144	CD4+ T-Cell Activation Prompts Suppressive Function by Extracellular Vesicle-Associated MicroRNAs. Frontiers in Cell and Developmental Biology, 2021, 9, 753884.	3.7	3
3145	Targeting miRNAs with anesthetics in cancer: Current understanding and future perspectives. Biomedicine and Pharmacotherapy, 2021, 144, 112309.	5.6	18

#	ARTICLE	IF	CITATIONS
3147	MicroRNAs and the Control of Heart Pathophysiology. , 2008, , 53-68.		0
3148	Prediction of human microRNA hairpins using only positive sample learning. Journal of Biomedical Science and Engineering, 2008, 01, 141-146.	0.4	1
3149	MicroRNAs and Discovery of New Targets. , 2008, , 47-56.		0
3150	miRNAs and Their Emerging Role in Cardiac Hypertrophy. , 2008, , 35-52.		0
3151	Cardiac Delivery of Nucleic Acids by Transcriptional and Transductional Targeting of Adeno-Associated Viral Vectors. , 2008, , 167-181.		0
3154	MicroRNAs in Stem Cells and Cancer Stem Cells. , 2009, , 61-89.		1
3155	Biogenesis and Function Mechanisms of Micro-RNAs and Their Role as Oncogenes and Tumor Suppressors. , 2009, , 183-189.		0
3156	Animal microRNA Gene Prediction. , 2009, , 21-43.		0
3157	1Chapter 9 MicroRNAs and Cancer: Connecting the Dots. , 2009, , 369-410.		0
3158	Mammalian Transcriptional Gene Silencing by Small RNAs. , 2009, , 393-404.		0
3159	MicroRNAs and Cancer Connecting the Dots. , 2009, , 351-391.		0
3160	A Suite of Resources for the Study of microRNA Ontology and Function. , 2009, , 45-56.		0
3161	The search for microRNA genes in regions of two very late genes of Bombyx mori nuclear polyhedrosis virus. Biopolymers and Cell, 2009, 25, 226-233.	0.4	0
3162	Involvement of MicroRNAs in Human Cancer: Discovery and Expression Profiling. , 2010, , 69-104.		0
3163	Gene Profiling of the Failing Heart: Epigenetics. , 2010, , 23-42.		0
3164	Introduction to Gene Regulation by Small RNAs. Molecular Medicine and Medicinal, 2010, , 1-15.	0.4	1
3165	Mesenchymal Stem Cells for Liver Regeneration. Pancreatic Islet Biology, 2011, , 155-179.	0.3	0
3166	The Non-coding Landscape of the Genome of Arabidopsis thaliana. , 2011, , 67-121.		0

#	ARTICLE	IF	CITATIONS
3167	RNA Interference and the Regulation of Renal Gene Expression in Hypoxia. , 2011, , 479-496.		0
3168	MicroRNAs in Hepatocellular Carcinoma. , 2011, , 163-188.		1
3169	microRNA: A Potential Therapy Able to Target Multiple Cancer Pathways. , 2011, , 155-170.		0
3170	Rapid Cloning and Validation of MicroRNA Shuttle Vectors: A Practical Guide. Neuromethods, 2011, , 19-37.	0.3	1
3171	Into the Future: Autonomic Neuropathy, MicroRNAs, and Gene Therapy. , 2011, , 483-488.		0
3173	MicroRNAs: Small but Critical Regulators of Cancer Stem Cells. , 0, , .		0
3174	MicroRNAs. , 2011, , 135-153.		0
3175	MicroRNA (miRNA) Regulation in Glioma: Implications in Development, Progression, Grading, Prognosis and Therapy. , 0, , .		0
3176	Diversity, Overlap, and Relationships in the Small RNA Landscape. , 2012, , 23-48.		0
3178	MIR10B (microRNA 10b). Atlas of Genetics and Cytogenetics in Oncology and Haematology, 2011, , .	0.1	0
3179	MicroRNAs as Biomarkers and Therapeutic Targets in Melanoma. , 2012, , 127-144.		0
3180	The Relationship between the progression of colorectal cancer and microRNA polymorphisms. Korean Journal of Clinical Oncology, 2011, 7, 50-57.	0.1	2
3182	RNAi-Based Gene Expression Strategies to Combat HIV. , 0, , .		0
3183	miR-7b Promoter Contains Negative Gene Elements. Journal of Life Science, 2011, 21, 1784-1788.	0.2	0
3184	MicroRNA Pathways in Drosophila. , 2012, , 611-627.		0
3185	Oligonucleotide Applications for the Therapy and Diagnosis of Human Papillomavirus Infection. , 0, , .		0
3186	1 0 8. , 2012, , 120-123.		0
3187	Bioinformatics analysis on structural features of microRNA precursors in insects. European Journal of Entomology, 2013, 110, 13-20.	1.2	2

#	ARTICLE	IF	CITATIONS
3188	Identification of Cancer MicroRNA Biomarkers Based on miRNA-mRNA Network. Translational Bioinformatics, 2013, , 153-167.	0.0	1
3189	Comparison of Four Ab Initio MicroRNA Prediction Tools. , 2013, , .		3
3190	Non-CDH1-Associated Familial Gastric Cancer and Epigenetics Factors. , 2013, , 111-125.		0
3191	The Role of miR-21, an Androgen-Regulated MicroRNA, in Prostate Cancer. , 2013, , 285-305.		1
3192	miRNAs and Neurodevelopmental Disorders. , 2013, , 251-265.		1
3193	The Fundamental Role of Epigenetic Regulation in Normal and Disturbed Cell Growth, Differentiation, and Stemness. , 2014, , 1-41.		0
3199	The Biology of Lysine Acetylation Integrates Transcriptional Programming and Metabolism. , 2013, , 141-166.		0
3202	MicroRNA and Cancer Drug Resistance. , 2014, , 305-326.		0
3203	MicroRNAs in Obesity and Metabolism. , 2014, , 129-152.		0
3204	From Cradle to the Grave: Tissue-specific microRNA signatures in detecting clinical progression of diabetes. Non-coding RNAs in Endocrinology, 2014, 1, .	0.0	0
3205	Micro RNA as Biomarkers of Head and Neck Cancers. Journal of Integrative Oncology, 2014, 04, .	0.3	0
3206	Emerging Roles of Micrnas in Diabetic Cardiomyopathy. Journal of Diabetes & Metabolism, 2014, 05, .	0.2	0
3207	Micro RNA Regulation of Cancer Stem Cell Phenotypes. International Journal of Genetic Science, 2014, 1, 1-8.	0.1	0
3208	Plant MicroRNAs: An Overview. , 2014, , 139-159.		1
3209	Application of MicroRNA in the Treatment and Diagnosis of Cervical Cancer. , 2014, , 129-137.		0
3210	GENOMIC DATABASES FOR CROP IMPROVEMENT. , 2014, , 219-234.		0
3211	The Biology of MicroRNA. , 2015, , 3-19.		1
3213	Regulatory Noncoding RNAs in Cardiovascular Disease: Shedding Light on "Dark Matter". Journal of Cardiovascular Disease, 2015, 3, .	0.5	1

#	ARTICLE	IF	CITATIONS
3215	Identification of Novel MicroRNAs and their Target Prediction in Stevia rebaudiana. Transcriptomics: Open Access, 2015, 03, .	0.2	0
3216	Widening HSF1 horizon: the microRNA connection. RNA & Disease (Houston, Tex), 0, , .	1.0	0
3218	Bir Gen Ėfade DĖ¼zenleyicisi miRNA. Arsiv Kaynak Tarama Dergisi, 2015, 24, 472.	0.1	3
3219	Future Research Directions. , 2016, , 239-258.		0
3220	The Impact of Aging on Ischemic Stroke. , 2016, , 161-196.		0
3221	Translational Research and Immunotherapy in Lung Cancer. , 2016, , 255-296.		0
3222	Inflammation-Associated Carcinogenesis Mediated by the Impairment of microRNA Function in the Gastroenterological Organs. , 2016, , 223-233.		0
3223	Pathophysiological events induced by alteration of microRNA biogenesis pathway.. Hikaku Seiri Seikagaku(Comparative Physiology and Biochemistry), 2016, 33, 183-190.	0.0	0
3225	MikroRNAĖ™lar ve Atlarda MikroRNAĖ™lar ile Ėlgili YapĖlan ĖtalĖĖymalar. Etlik Veteriner Mikrobiyoloji Dergisi, 2016, 27, 48-52.	0.4	0
3226	Recent Strategy for Superior Horses. Journal of Life Science, 2016, 26, 855-867.	0.2	0
3227	Abiotic Stress Tolerance in Soybean : Regulated by ncRNA. Journal of AgriSearch, 2016, 3, .	0.2	0
3228	The Diverse Requirements of ARS2 in nuclear cap-binding complex-dependent RNA Processing. RNA & Disease (Houston, Tex), 0, , .	1.0	1
3229	Methods for MicroRNA Profiling in Cancer. Methods in Pharmacology and Toxicology, 2017, , 97-113.	0.2	1
3230	Advances in Computational Tools for Plant microRNA Identification. , 2017, , 1-16.		0
3231	Small RNAs-II: Mode of Action and Potential Applications in Plant Improvement. , 2017, , 163-200.		0
3232	Detecting of Functional Short Non-Coding RNAs using Bioinformatics Methods in Sheep and Goat. Research on Animal Production, 2017, 8, 161-170.	0.0	1
3234	MicroRNA. , 2018, , 1-4.		0
3236	PARTICIPATION OF MICRO RNA IN THE EARLY DEVELOPMENT OF ANIMALS AND HUMANS. Neonatology Surgery and Perinatal Medicine, 2017, 7, 82-86.	0.1	0

#	ARTICLE	IF	CITATIONS
3237	ĐĐ¼Đ»ŃĈĐ¼Ń-Đ°ŃĈĐ¼-ĐĐĐđĐ;ŃĈĐ,Đ-Đ°Ń...Đ²Đ¼ŃĈĐ²Đ°Đ¼Đ¼ŃŃ...Đ±Ń-Đ»Ń-Đ°ŃĈĐ¼Đ¼Ń-ŃĐŃŃ,Đ¼Đ¼Đ, Zdorov		
3238	Peculiarities of Non Coding Micrnas Organization in H. Sapiens and some other Species. International Journal of Molecular Biology Open Access, 2017, 2, .	0.2	0
3239	Method for Detection of miRNAs in Non-Model Organisms with Unreported Database. Methods in Molecular Biology, 2018, 1823, 197-208.	0.9	0
3244	Kanserde Mikrornaâ™lar ve Ä°laŖ YanÄ±tÄ±. SÄ¼leyman Demirel Äœniversitesi TÄ±p FakÄ¼ltesi Dergisi, 0, , .	0.2	0
3247	miRNAs in the Odontogenesis Process. International Journal of Medical and Surgical Sciences, 2018, 2, 499-505.	0.0	0
3249	Mining of miRNAs using Next Generation Sequencing (NGS) data generated for Okra (Abelmoschus) Tj ETQq1 1 0.784314 rgBT /Over	0.1	0
3250	Heterochronic Phenotype Analysis of Hypodermal Seam Cells in Caenorhabditis elegans. Bio-protocol, 2019, 9, .	0.4	0
3251	Advances in Research on MicroRNAs Regulating Host Antiviral Innate Immunity. Advances in Microbiology, 2019, 08, 15-21.	0.0	1
3252	Biophysical and Biochemical Approaches in the Analysis of Argonauteâ€™MicroRNA Complexes. Biological and Medical Physics Series, 2019, , 167-188.	0.4	0
3253	QuÄ± trÄ±nh trÄ°á»Ÿng thÄ±nh cá»Ŗa MicroRNA 144 phá»Ÿ thuá»™c vÄ±o Dicer. Tap Chi Khoa Hoc = Journal of Science, 2019, 55(CÄ±ng nghá»Ÿ Sinh há»Ÿ), 24.	0.1	0
3255	The Roles of MicroRNAs in Antiviral Immunity of Marine Invertebrates. , 2019, , 105-140.		0
3256	Flax Small RNAs. Plant Genetics and Genomics: Crops and Models, 2019, , 129-144.	0.3	0
3257	Dynamics of MicroRNA Biogenesis. Biological and Medical Physics Series, 2019, , 211-249.	0.4	1
3261	MicroRNA and Endometriosis. , 2020, , 181-197.		0
3262	Transposon-Mediated Stable Suppression of Gene Expression in the Developing Chick Retina. Methods in Molecular Biology, 2020, 2092, 91-108.	0.9	0
3264	Advances in Studies on the Correlation between Circulating Blood MicroRNA and Radiation Dose. Advances in Clinical Medicine, 2020, 10, 1671-1677.	0.0	0
3266	The Role of MicroRNAs in the Progression, Prognostication, and Treatment of Breast Cancer. Novel Approaches in Cancer Study, 2020, 4, .	0.2	0
3267	miRNAâ€™LAR VE KORONER ARTER HASTALIKLARIYLA Ä°LÄ°ÄŖKÄ°LERÄ° - RelatÄ±ons of mirna's and coronary artery dÄ±seases. Ä°nÄ±nÄ¼ Äœniversitesi SaÄŖİlÄ±k Hizmetleri Meslek YÄ¼ksek Okulu Dergisi, 0, , .	0.7	0

#	ARTICLE	IF	CITATIONS
3268	Expression Profiles of MicroRNAs in Stem Cells Differentiation. Current Pharmaceutical Biotechnology, 2020, 21, 906-918.	1.6	3
3269	miR-21 in Human Cardiomyopathies. Frontiers in Cardiovascular Medicine, 2021, 8, 767064.	2.4	44
3270	Caspase-mediated cleavage of miRNA processing proteins Drosha, DGCR8, Dicer, and TRBP2 in heat-shocked cells and its inhibition by HSP70 overexpression. Cell Stress and Chaperones, 2022, 27, 11-25.	2.9	1
3271	Non-Coding RNAs as Regulators of Myogenesis and Postexercise Muscle Regeneration. International Journal of Molecular Sciences, 2021, 22, 11568.	4.1	9
3272	MicroRNAs and the DNA damage response: How is cell fate determined?. DNA Repair, 2021, 108, 103245.	2.8	11
3273	Genetics of Pediatric Tumors. , 2020, , 1-16.		0
3274	MicroRNA deregulation and cancer and medicinal plants as microRNA regulator. Asian Pacific Journal of Tropical Biomedicine, 2020, 10, 47.	1.2	3
3275	Control of Iron Availability in Cancer by MicroRNAs. Proceedings of the Singapore National Academy of Science, 2020, 14, 61-77.	0.1	0
3276	Role of microRNAs in myogenesis and their effects on meat quality in pig – A review. Asian-Australasian Journal of Animal Sciences, 2020, 33, 1873-1884.	2.4	6
3277	The Role of microRNAs in the Development of Type 2 Diabetes Complications. Current Pharmaceutical Design, 2020, 26, 5969-5979.	1.9	5
3278	Structural insights of the pre-let-7 interaction with LIN28B. Nucleosides, Nucleotides and Nucleic Acids, 2021, 40, 1-19.	1.1	2
3279	miRNAs and Muscle Stem Cells. , 0, , .		0
3280	Alteration in the expression of microRNA-21 regulated target genes: Role in breast cancer. Biocell, 2022, 46, 309-324.	0.7	3
3281	MicroRNA regulation and host interaction in response to Aspergillus exposure. Biocell, 2022, 46, 339-356.	0.7	2
3282	Micro RNA, circular RNA, neutrophils, and myeloperoxidases in autoimmune diseases. , 2022, , 235-254.		1
3283	Hitching a Ride: Enhancing Nucleic Acid Delivery into Target Cells Through Nanoparticles. Environmental Chemistry for A Sustainable World, 2020, , 373-457.	0.5	2
3285	Epigenetics and MicroRNAs in Cancer. , 2020, , 479-489.		0
3286	Regulation of Plant microRNA Biogenesis. Concepts and Strategies in Plant Sciences, 2020, , 3-24.	0.5	3

#	ARTICLE	IF	CITATIONS
3288	Circulating Non-coding RNAs and Cardiovascular Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1229, 357-367.	1.6	8
3289	RNA and inflammatory autoimmune diseases. , 2020, , 275-306.		0
3291	A Brief Survey for MicroRNA Precursor Identification Using Machine Learning Methods. <i>Current Genomics</i> , 2020, 21, 11-25.	1.6	3
3292	The Role of miR-23b in Cancer and Autoimmune Disease. <i>Journal of Oncology</i> , 2021, 2021, 1-9.	1.3	15
3293	Molecular Mechanisms of Nutrient-Mediated Regulation of MicroRNAs in Pancreatic Î²-cells. <i>Frontiers in Endocrinology</i> , 2021, 12, 704824.	3.5	2
3294	Predictive Dynamical Modelling MicroRNAs Role in Complex Networks. , 0, , 1072-1112.		0
3295	Predictive Dynamical Modelling MicroRNAs Role in Complex Networks. <i>Advances in Digital Crime, Forensics, and Cyber Terrorism</i> , 0, , 156-192.	0.4	0
3296	RNA Interference in Haematopoietic and Leukaemic Cells. , 2007, , 29-48.		0
3298	Pre-mRNA Splicing in Eukaryotic Cells. , 2006, , 447-467.		0
3299	Breast and Prostate Biopsies: Use of Optimized High-Throughput MicroRNA Expression for Diagnosis (Methodology). , 2008, , 43-59.		0
3300	Novel and future applications of microarrays in toxicological research. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007, 3, 599-608.	3.3	4
3301	Computational Characterization and Identification of Core Promoters of MicroRNA Genes in <i>C. elegans</i> , <i>H. sapiens</i> and <i>A. thaliana</i> . , 2005, , 235-248.		0
3302	Diversity, Overlap, and Relationships in the Small RNA Landscape. , 2012, , 23-48.		0
3303	Regulator Non-coding RNAs: miRNA, siRNA, piRNA, lncRNA, circRNA. <i>Journal of Clinical Medicine of Kazakhstan</i> , 2020, 6, 29-39.	0.3	0
3304	MicroRNA-126: Dual Role in Angiogenesis Dependent Diseases. <i>Current Pharmaceutical Design</i> , 2020, 26, 4883-4893.	1.9	8
3305	MicroRNA and ovarian cancer. <i>Histology and Histopathology</i> , 2008, 23, 1161-9.	0.7	39
3306	Asymmetrically designed siRNAs and shRNAs enhance the strand specificity and efficacy in RNAi. <i>Journal of Rnai and Gene Silencing</i> , 2007, 4, 269-80.	1.2	4
3307	MicroRNAs: critical mediators of differentiation, development and disease. <i>Swiss Medical Weekly</i> , 2009, 139, 466-72.	1.6	115

#	ARTICLE	IF	CITATIONS
3310	Towards understanding the epigenetics of transcription by chromatin structure and the nuclear matrix. <i>Gene Therapy and Molecular Biology</i> , 2005, 9, 229-246.	1.3	9
3311	Extracellular/circulating microRNAs and their potential role in cardiovascular disease. <i>American Journal of Cardiovascular Disease</i> , 2011, 1, 138-149.	0.5	132
3312	MicroRNAs: Processing, Maturation, Target Recognition and Regulatory Functions. <i>Molecular and Cellular Pharmacology</i> , 2011, 3, 83-92.	1.7	650
3313	Noncoding RNAs and Cancer. <i>Avicenna Journal of Medical Biotechnology</i> , 2009, 1, 55-70.	0.3	11
3314	The Role of MicroRNAs in Human Diseases. <i>Avicenna Journal of Medical Biotechnology</i> , 2010, 2, 161-79.	0.3	335
3315	Functional silencing of guanylyl cyclase/natriuretic peptide receptor-A by microRNA interference: analysis of receptor endocytosis. <i>International Journal of Biochemistry and Molecular Biology</i> , 2013, 4, 41-53.	0.1	11
3316	MicroRNA in carcinogenesis & cancer diagnostics: a new paradigm. <i>Indian Journal of Medical Research</i> , 2013, 137, 680-94.	1.0	18
3318	Therapeutic Potential of Modulating microRNAs in Atherosclerotic Vascular Disease. <i>Current Vascular Pharmacology</i> , 2013, , .	1.7	2
3323	Study on the molecular regulatory mechanism of MicroRNA-195 in the invasion and metastasis of colorectal carcinoma. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 3793-800.	1.3	13
3324	Transcription factor KLF4 regulates microRNA-544 that targets YWHAZ in cervical cancer. <i>American Journal of Cancer Research</i> , 2015, 5, 1939-53.	1.4	14
3325	Genomic Medicine: Why Do "Similar" Patients Have Different Outcomes?. , 2012, 2012, 30-34.		0
3330	MiR-4262 promotes cell apoptosis and inhibits proliferation of colon cancer cells: involvement of GALNT4. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 3969-3977.	0.0	15
3331	Role of sepsis modulated circulating microRNAs. <i>Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine</i> , 2019, 30, 128-145.	0.7	37
3332	Pivotal role of microRNA-138 in human cancers. <i>American Journal of Cancer Research</i> , 2019, 9, 1118-1126.	1.4	26
3333	MiR-212-3p suppresses high-grade serous ovarian cancer progression by directly targeting MAP3K3. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 875-888.	0.0	9
3335	MiRNA-27a-3p induces temozolomide resistance in glioma by inhibiting NF1 level. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 4749-4756.	0.0	3
3336	MicroRNA and Hemophilia-A Disease: Bioinformatics Prediction and Experimental Analysis. <i>Cell Journal</i> , 2021, 23, 341-348.	0.2	0
3337	MicroRNAs and their role in immunogenetic-dysregulation. , 2022, , 193-225.		0

#	ARTICLE	IF	CITATIONS
3338	miRNAs: the genetic regulators of immunity. , 2022, , 299-325.		1
3339	MicroRNAs as Critical Biomarkers of Major Depressive Disorder: A Comprehensive Perspective. Biomedicines, 2021, 9, 1659.	3.2	21
3340	Prognostic value of microRNAs in heart failure. Medicine (United States), 2021, 100, e27744.	1.0	9
3341	Changes in Exosomal miRNA Composition in Thyroid Cancer Cells after Prolonged Exposure to Real Microgravity in Space. International Journal of Molecular Sciences, 2021, 22, 12841.	4.1	9
3342	MicroRNAs: From Junk RNA to Life Regulators and Their Role in Cardiovascular Disease. Neurology International, 2021, 11, 230-254.	0.5	1
3343	MicroRNAs affect GPCR and Ion channel genes needed for influenza replication. Journal of General Virology, 2021, 102, .	2.9	0
3344	MapToCleave: High-throughput profiling of microRNA biogenesis in living cells. Cell Reports, 2021, 37, 110015.	6.4	18
3345	MicroRNA-Related Strategies to Improve Cardiac Function in Heart Failure. Frontiers in Cardiovascular Medicine, 2021, 8, 773083.	2.4	13
3346	OncomiR miR-182-5p Enhances Radiosensitivity by Inhibiting the Radiation-Induced Antioxidant Effect through SESN2 in Head and Neck Cancer. Antioxidants, 2021, 10, 1808.	5.1	12
3347	miRNA, lncRNA and circRNA: Targeted Molecules Full of Therapeutic Prospects in the Development of Diabetic Retinopathy. Frontiers in Endocrinology, 2021, 12, 771552.	3.5	26
3348	The Role of miRNA in Ovarian Cancer: an Overview. Reproductive Sciences, 2022, 29, 2760-2767.	2.5	22
3349	Predicting Drosha and Dicer Cleavage Sites with DeepMirCut. Frontiers in Molecular Biosciences, 2021, 8, 799056.	3.5	1
3350	Towards an integrative understanding of cancer mechanobiology: calcium, YAP, and microRNA under biophysical forces. Soft Matter, 2022, 18, 1112-1148.	2.7	11
3351	Epigenetic regulation of ferroptosis via ETS1/miR-23a-3p/ACSL4 axis mediates sorafenib resistance in human hepatocellular carcinoma. Journal of Experimental and Clinical Cancer Research, 2022, 41, 3.	8.6	88
3352	MicroRNAs in the pathophysiology of Alzheimer's disease and Parkinson's disease: an overview. Molecular Neurobiology, 2022, 59, 1589-1603.	4.0	10
3353	Circulating miRNA as potential biomarkers for diabetes mellitus type 2: should we focus on searching for sex differences?. Journal of Applied Genetics, 2022, 63, 293-303.	1.9	7
3354	Circulating MicroRNAs for Diagnosis of Acute Pulmonary Embolism: Still a Long Way to Go. BioMed Research International, 2022, 2022, 1-7.	1.9	3
3355	Spectrum of microRNAs and their target genes in cancer: intervention in diagnosis and therapy. Molecular Biology Reports, 2022, 49, 6827-6846.	2.3	4

#	ARTICLE	IF	CITATIONS
3356	Novel Diagnostic Biomarkers in Colorectal Cancer. International Journal of Molecular Sciences, 2022, 23, 852.	4.1	75
3357	MicroRNA target-based network predicts androgen receptor-linked mycotoxin stress. Ecotoxicology and Environmental Safety, 2022, 230, 113130.	6.0	0
3358	Salicylic acid mitigates salt induced toxicity through the modifications of biochemical attributes and some key antioxidants in capsicum annum. Saudi Journal of Biological Sciences, 2022, , .	3.8	0
3359	Involvement of miRNAs in cellular responses to radiation. International Journal of Radiation Biology, 2022, 98, 479-488.	1.8	2
3360	Clinical implications of noncoding RNAs in neuroblastoma patients. , 2022, , 409-431.		1
3361	Aspects of miRNAs as biomarkers in human diseases. International Journal of Science Letters, 0, , .	1.3	0
3362	Signaling pathways modulated by miRNAs in breast cancer angiogenesis and new therapeutics. Pathology Research and Practice, 2022, 230, 153764.	2.3	14
3363	ILF3 represses repeat-derived microRNAs targeting RIG-I mediated type I interferon response. Journal of Molecular Biology, 2022, 434, 167469.	4.2	2
3364	Plasmon-enhanced biosensors for microRNA analysis and cancer diagnosis. Biosensors and Bioelectronics, 2022, 203, 114041.	10.1	26
3365	Regulatory role of microRNAs (miRNAs) in the recent development of abiotic stress tolerance of plants. Gene, 2022, 821, 146283.	2.2	30
3366	The MicroRNA-Based Strategies to Combat Cancer Chemoresistance via Regulating Autophagy. Frontiers in Oncology, 2022, 12, 841625.	2.8	10
3367	The siRNA Off-Target Effect Is Determined by Base-Pairing Stabilities of Two Different Regions with Opposite Effects. Genes, 2022, 13, 319.	2.4	6
3368	Sox6, A Potential Target for MicroRNAs in Cardiometabolic Disease. Current Hypertension Reports, 2022, 24, 145-156.	3.5	6
3369	Novel approaches in cancer treatment: preclinical and clinical development of small non-coding RNA therapeutics. Journal of Experimental and Clinical Cancer Research, 2021, 40, 383.	8.6	22
3371	The terminal differentiation factor LIN-29 is required for proper vulval morphogenesis and egg laying in Caenorhabditis elegans. Development (Cambridge), 1997, 124, 4333-42.	2.5	12
3372	Regulation of miR-30b in cancer development, apoptosis, and drug resistance. Open Life Sciences, 2022, 17, 102-106.	1.4	3
3373	Advances in miRNA Regulation of Cognitive Function in Alzheimerâ€™s Disease Patients. Advances in Clinical Medicine, 2022, 12, 1730-1734.	0.0	0
3374	Overview on miRNA classification, biogenesis, and functions. , 2022, , 3-20.		2

#	ARTICLE	IF	CITATIONS
3377	MicroRNA-139, an Emerging Gate-Keeper in Various Types of Cancer. <i>Cells</i> , 2022, 11, 769.	4.1	5
3378	Human cytomegalovirus RNA2.7 inhibits RNA polymerase II (Pol II) Serine-2 phosphorylation by reducing the interaction between Pol II and phosphorylated cyclin-dependent kinase 9 (pCDK9). <i>Virologica Sinica</i> , 2022, 37, 358-369.	3.0	3
3379	The Biological Function of MicroRNAs in Bone Tumors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2348.	4.1	3
3380	microRNAs and Their Roles in Plant Development. <i>Frontiers in Plant Science</i> , 2022, 13, 824240.	3.6	56
3381	Quantitative Volumetric CT Analysis of COVID-19 Pneumonia and Correlation with Neutrophillymphocyte Ratio. <i>Bagcilar Medical Bulletin</i> , 2022, 7, 56-62.	0.1	0
3382	The intricate balance between microRNA-induced mRNA decay and translational repression. <i>FEBS Journal</i> , 2023, 290, 2508-2524.	4.7	37
3383	Serum microRNA as liquid biopsy biomarker for the prediction of oncological outcomes in patients with bladder cancer. <i>International Journal of Urology</i> , 2022, 29, 968-976.	1.0	6
3384	The Role of Non-Coding RNAs in Autophagy During Carcinogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 799392.	3.7	5
3385	SPOROS: A pipeline to analyze DISE/6mer seed toxicity. <i>PLoS Computational Biology</i> , 2022, 18, e1010022.	3.2	10
3386	Circulating microRNA biomarkers in melanoma and non-melanoma skin cancer. <i>Expert Review of Molecular Diagnostics</i> , 2022, 22, 305-318.	3.1	12
3387	Genomic architecture of 5S rDNA cluster and its variations within and between species. <i>BMC Genomics</i> , 2022, 23, 238.	2.8	5
3388	MiRNAs as predictors of bipolar disorder diagnosis and treatment response. , 2022, , 223-237.		0
3390	Genome-wide characterization of miRNA and siRNA pathways in the parasitoid wasp <i>Pteromalus puparum</i> . <i>Journal of Integrative Agriculture</i> , 2022, 21, 1106-1115.	3.5	0
3391	Circular RNA circ_0047744 suppresses the metastasis of pancreatic ductal adenocarcinoma by regulating the miR-21/SOCS5 axis. <i>Biochemical and Biophysical Research Communications</i> , 2022, 605, 154-161.	2.1	8
3392	miRNAFinder: A comprehensive web resource for plant Pre-microRNA classification. <i>BioSystems</i> , 2022, 215-216, 104662.	2.0	1
3393	A Cancer-Related microRNA Signature Shows Biomarker Utility in Multiple Myeloma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13144.	4.1	13
3394	miRNAs in the Regulation of Cancer Immune Response: Effect of miRNAs on Cancer Immunotherapy. <i>Cancers</i> , 2021, 13, 6145.	3.7	4
3395	Three-Dimensional Genome Organization in Breast and Gynecological Cancers: How Chromatin Folding Influences Tumorigenic Transcriptional Programs. <i>Cells</i> , 2022, 11, 75.	4.1	4

#	ARTICLE	IF	CITATIONS
3396	Coupling miR/isomiR and mRNA Expression Signatures Unveils New Molecular Layers of Endometrial Receptivity. <i>Life</i> , 2021, 11, 1391.	2.4	11
3397	Comprehensive Annotation and Functional Exploration of MicroRNAs in Lettuce. <i>Frontiers in Plant Science</i> , 2021, 12, 781836.	3.6	7
3398	Differential MicroRNA Expression Pattern in Endothelial Progenitor Cells During Diabetic Retinopathy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 773050.	3.7	4
3399	Reexamining assumptions about miRNA-guided gene silencing. <i>Nucleic Acids Research</i> , 2022, 50, 617-634.	14.5	57
3400	Research Progress on Epigenetics of Diabetic Cardiomyopathy in Type 2 Diabetes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 777258.	3.7	15
3401	Contributions of microRNAs to Peripheral Insulin Sensitivity. <i>Endocrinology</i> , 2022, 163, .	2.8	6
3402	Diagnostic and Prognostic Value of miRNAs after Coronary Artery Bypass Grafting: A Review. <i>Biology</i> , 2021, 10, 1350.	2.8	4
3403	DISE/6mer seed toxicity-a powerful anti-cancer mechanism with implications for other diseases. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 389.	8.6	11
3404	MicroRNAs as Regulators of Phagocytosis. <i>Cells</i> , 2022, 11, 1380.	4.1	2
3405	Foam Cells in Atherosclerosis: Novel Insights Into Its Origins, Consequences, and Molecular Mechanisms. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 845942.	2.4	57
3406	Impacts of MicroRNAs Induced by the Gut Microbiome on Regulating the Development of Colorectal Cancer. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 804689.	3.9	13
3407	Role of non-coding RNAs on liver metabolism and NAFLD pathogenesis. <i>Human Molecular Genetics</i> , 2022, 31, R4-R21.	2.9	6
3431	MicroRNAs as a Novel Player for Differentiation of Mesenchymal Stem Cells into Cardiomyocytes. <i>Current Stem Cell Research and Therapy</i> , 2023, 18, 27-34.	1.3	1
3433	Circulating and Platelet MicroRNAs in Cardiovascular Risk Assessment and Antiplatelet Therapy Monitoring. <i>Journal of Clinical Medicine</i> , 2022, 11, 1763.	2.4	9
3436	Histochemistry for nucleic acid research: 60 years in the European Journal of Histochemistry. <i>European Journal of Histochemistry</i> , 2022, 66, .	1.5	3
3437	Versatile role of miR-24/24-1*/24-2* expression in cancer and other human diseases.. <i>American Journal of Translational Research (discontinued)</i> , 2022, 14, 20-54.	0.0	0
3438	Cancer drug resistance related microRNAs: recent advances in detection methods. <i>Analyst</i> , The, 2022, 147, 2615-2632.	3.5	7
3439	The Extensive Regulation of MicroRNA in Immune Thrombocytopenia. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2022, 28, 107602962210935.	1.7	7

#	ARTICLE	IF	CITATIONS
3440	Nanomaterials coupled with microRNAs for alleviating plant stress: a new opening towards sustainable agriculture. <i>Physiology and Molecular Biology of Plants</i> , 2022, 28, 791-818.	3.1	1
3442	Role of main RNA modifications in cancer: N6-methyladenosine, 5-methylcytosine, and pseudouridine. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 142.	17.1	62
3443	The Construction and Exploration of a Comprehensive MicroRNA Centered Regulatory Network in Foxtail Millet (<i>Setaria italica</i> L.). <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	2
3444	Gene-independent therapeutic interventions to maintain and restore light sensitivity in degenerating photoreceptors. <i>Progress in Retinal and Eye Research</i> , 2022, 90, 101065.	15.5	4
3445	MicroRNAs in kidney development and disease. <i>JCI Insight</i> , 2022, 7, .	5.0	16
3446	Examining micro-ribonucleic acids as diagnostic and therapeutic prospects in autoimmune hepatitis. <i>Expert Review of Clinical Immunology</i> , 2022, 18, 591-607.	3.0	3
3447	The Short Hairpin RNA Driven by Polymerase II Suppresses both Wild-Type and Lamivudine-Resistant Hepatitis B Virus Strains. <i>Antiviral Therapy</i> , 2007, 12, 865-876.	1.0	4
3448	Vertebrate Virus-Encoded MicroRNAs and Their Sequence Conservation. <i>Japanese Journal of Infectious Diseases</i> , 2011, 64, 357-366.	1.2	9
3449	MicroRNAs: Novel players in the diagnosis and treatment of cancer cachexia (Review). <i>Experimental and Therapeutic Medicine</i> , 2022, 24, .	1.8	3
3450	MicroRNAs in peripheral artery disease: potential biomarkers and pathophysiological mechanisms. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2022, 16, 175394472210969.	2.1	3
3451	MicroRNA. , 2022, , 4293-4296.		0
3452	Noncoding way of the metastasis. , 2022, , 87-104.		0
3453	The Profile of MicroRNA Expression and Potential Role in the Regulation of Drug-Resistant Genes in Doxorubicin and Topotecan Resistant Ovarian Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5846.	4.1	7
3454	How microRNAs Regulate Abiotic Stress Tolerance in Wheat? A Snapshot. , 2022, , 447-464.		3
3455	miRNA- and RNAi-Mediated Metabolic Engineering in Plants. , 2022, , 171-186.		4
3456	The Targeting of Noncoding RNAs by Quercetin in Cancer Prevention and Therapy. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-15.	4.0	9
3458	EpisomiR, a New Family of miRNAs, and Its Possible Roles in Human Diseases. <i>Biomedicines</i> , 2022, 10, 1280.	3.2	5
3460	Noncoding RNAs: A New Layer of Functional RNAs. <i>Current Pharmaceutical Biotechnology</i> , 2023, 24, 856-871.	1.6	2

#	ARTICLE	IF	CITATIONS
3461	HIF1 and DROSHA are involved in MMACHC repression in hypoxia. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130175.	2.4	4
3464	MiRNA-181d Is Involved in CREB1 Expression in PC12 Cells. <i>Yangtze Medicine</i> , 2022, 06, 13-23.	0.1	0
3465	Nucleic Acid Synthesis/Breakdown: RNA Synthesis/Function “ miRNAs/Small Noncoding RNAs. , 2022, , .		0
3466	Microarray Analysis of MicroRNA Expression Profiles in Newborn and Adult Rats Hippocampus. <i>Yangtze Medicine</i> , 2022, 06, 24-40.	0.1	0
3467	The Role of MicroRNA in the Regulation of Tumor Epithelial“Mesenchymal Transition. <i>Cells</i> , 2022, 11, 1981.	4.1	14
3468	miRNAs and the Hippo pathway in cancer: Exploring the therapeutic potential (Review). <i>Oncology Reports</i> , 2022, 48, .	2.6	5
3469	The Role of Small Extracellular Vesicles and MicroRNAs in the Diagnosis and Treatment of Allergic Rhinitis and Nasal Polyps. <i>Mediators of Inflammation</i> , 2022, 2022, 1-9.	3.0	4
3470	Molecular Dissection of a Conserved Cluster of miRNAs Identifies Critical Structural Determinants That Mediate Differential Processing. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	2
3471	MicroRNAs: master regulators in host“parasitic protist interactions. <i>Open Biology</i> , 2022, 12, .	3.6	10
3472	The New Face of a Well-Known Antibiotic: A Review of the Anticancer Activity of Enoxacin and Its Derivatives. <i>Cancers</i> , 2022, 14, 3056.	3.7	9
3473	MicroRNAs in the development of potential therapeutic targets against COVID-19: A narrative review. <i>Journal of Infection and Public Health</i> , 2022, 15, 788-799.	4.1	11
3474	Chromatin Hubs: A biological and computational outlook. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 3796-3813.	4.1	6
3475	Pre-miRNA sequence prediction using convolutional neural network. , 2022, , .		1
3476	Polymerases and DNA Repair in Neurons: Implications in Neuronal Survival and Neurodegenerative Diseases. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	3.7	6
3477	Circulating microRNAs as the Potential Diagnostic and Prognostic Biomarkers for Nasopharyngeal Carcinoma. <i>Genes</i> , 2022, 13, 1160.	2.4	3
3478	Understanding the Involvement of microRNAs in Mitochondrial Dysfunction and Their Role as Potential Biomarkers and Therapeutic Targets in Parkinson“s Disease. <i>Journal of Alzheimer's Disease</i> , 2023, 94, S187-S202.	2.6	8
3479	The etiological roles of <scp>miRNAs</scp>, <scp>lncRNAs</scp>, and <scp>circRNAs</scp> in neuropathic pain: A narrative review. <i>Journal of Clinical Laboratory Analysis</i> , 2022, 36, .	2.1	12
3480	The Role of microRNA in the Development, Diagnosis, and Treatment of Cardiovascular Disease: Recent Developments. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2023, 384, 123-132.	2.5	20

#	ARTICLE	IF	CITATIONS
3481	The Epigenetic Role of MiRNAs in Endocrine Crosstalk Between the Cardiovascular System and Adipose Tissue: A Bidirectional View. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	5
3482	MdMYB88/124 modulates apple tree microRNA biogenesis through post-transcription processing and/or transcription pathway. <i>Acta Physiologiae Plantarum</i> , 2022, 44, .	2.1	3
3483	Interaction between endogenous microRNAs and virus-derived small RNAs controls viral replication in insect vectors. <i>PLoS Pathogens</i> , 2022, 18, e1010709.	4.7	7
3484	MicroRNAs and Pancreatic Å Cell Functional Modulation. , 0, , .		0
3485	MicroRNA-mediated host defense mechanisms against pathogens and herbivores in rice: balancing gains from genetic resistance with trade-offs to productivity potential. <i>BMC Plant Biology</i> , 2022, 22, .	3.6	15
3486	Recent advances in electrochemical sensors based on palladium nanoparticles. <i>Chinese Journal of Analytical Chemistry</i> , 2022, 50, 100144.	1.7	3
3487	A comparative study of microRNAs in different stages of <i>Eimeria tenella</i> . <i>Frontiers in Veterinary Science</i> , 0, 9, .	2.2	1
3488	Integrated transcriptome and small RNA sequencing in revealing miRNA-mediated regulatory network of floral bud break in <i>Prunus mume</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	9
3490	MicroRNA target prediction and validation. , 2022, , 53-67.		0
3491	The Translational Role of miRNA in Polycystic Ovary Syndrome: From Bench to Bedsideâ€”A Systematic Literature Review. <i>Biomedicines</i> , 2022, 10, 1816.	3.2	17
3492	Use of <sc>CRISPRâ€Cas</sc> tools to engineer <i>Trichoderma</i> species. <i>Microbial Biotechnology</i> , 2022, 15, 2521-2532.	4.2	15
3493	microRNAs in Subarachnoid Hemorrhage (Review of Literature). <i>Journal of Clinical Medicine</i> , 2022, 11, 4630.	2.4	2
3494	miRacle of microRNA-Driven Cancer Nanotherapeutics. <i>Cancers</i> , 2022, 14, 3818.	3.7	17
3495	From cerebral ischemia towards myocardial, renal, and hepatic ischemia: Exosomal miRNAs as a general concept of intercellular communication in ischemia-reperfusion injury. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 29, 900-922.	5.1	8
3497	MicroRNAs in kidney injury and disease. <i>Nature Reviews Nephrology</i> , 2022, 18, 643-662.	9.6	53
3498	Modes of action and diagnostic value of miRNAs in sepsis. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	12
3499	MiRNA and associated inflammatory changes from baseline to hypoglycemia in type 2 diabetes. <i>Frontiers in Endocrinology</i> , 0, 13, .	3.5	4
3500	The Role of miRNAs in Metabolic Diseases. <i>Current Medicinal Chemistry</i> , 2023, 30, 1922-1944.	2.4	12

#	ARTICLE	IF	CITATIONS
3501	Editorial: The Impact of Micro RNA-320a Serum Level on Severity of Symptoms and Cerebral Processing of Pain in Patients with Fibromyalgia. Pain Medicine, 0, , .	1.9	0
3502	The Protective Effects of Neurotrophins and MicroRNA in Diabetic Retinopathy, Nephropathy and Heart Failure via Regulating Endothelial Function. Biomolecules, 2022, 12, 1113.	4.0	7
3503	Argonaute-dependent ribosome-associated protein quality control. Trends in Cell Biology, 2023, 33, 260-272.	7.9	6
3504	Genomic Analyses of Non-Coding RNAs Overlapping Transposable Elements and Its Implication to Human Diseases. International Journal of Molecular Sciences, 2022, 23, 8950.	4.1	9
3505	The miR164-TaNAC14 module regulates root development and abiotic-stress tolerance in wheat seedlings. Journal of Integrative Agriculture, 2023, 22, 981-998.	3.5	5
3506	Genome-wide miRNA expression profiling in Psathyrostachys huashanica reveals insights into the resistance response to barley yellow dwarf virus-GAV infection. Physiological and Molecular Plant Pathology, 2022, 121, 101888.	2.5	0
3507	Identification and analysis of microRNA editing events in recurrent bladder cancer based on RNA sequencing: MicroRNA editing level is a potential novel biomarker. Frontiers in Genetics, 0, 13, .	2.3	2
3508	Noncoding RNAs in cataract formation: Star molecules emerge in an endless stream. Pharmacological Research, 2022, 184, 106417.	7.1	6
3509	Small RNA-omics: Decoding the regulatory networks associated with horticultural traits. , 2022, , 15-25.		0
3510	MicroRNA control of kidney disease. , 2022, , 401-428.		0
3511	Roles of microRNAs in Regulating Apoptosis in the Pathogenesis of Endometriosis. Life, 2022, 12, 1321.	2.4	5
3512	Actin dynamics in protein homeostasis. Bioscience Reports, 2022, 42, .	2.4	8
3513	Exosomal Micro-RNAs as Intercellular Communicators in Idiopathic Pulmonary Fibrosis. International Journal of Molecular Sciences, 2022, 23, 11047.	4.1	5
3515	Genetic Variations miR-10aA>T, miR-30cA>G, miR-181aT>C, and miR-499bA>G and the Risk of Recurrent Pregnancy Loss in Korean Women. Biomedicines, 2022, 10, 2395.	3.2	1
3516	The Role of miR-29 Family in TGF- β 2 Driven Fibrosis in Glaucomatous Optic Neuropathy. International Journal of Molecular Sciences, 2022, 23, 10216.	4.1	7
3517	miRNA: A Promising Therapeutic Target in Cancer. International Journal of Molecular Sciences, 2022, 23, 11502.	4.1	68
3518	Role of microRNAs as novel diagnostic biomarkers and potential therapeutic targets for hearing disorders (Review). International Journal of Epigenetics, 2022, 2, .	0.5	0
3519	miRNA in Molecular Diagnostics. Bioengineering, 2022, 9, 459.	3.5	6

#	ARTICLE	IF	CITATIONS
3520	Mechanisms Controlling MicroRNA Expression in Tumor. <i>Cells</i> , 2022, 11, 2852.	4.1	10
3521	Robust and efficient COVID-19 detection techniques: A machine learning approach. <i>PLoS ONE</i> , 2022, 17, e0274538.	2.5	4
3522	A comprehensive overview on Micro RNA signature in type 2 diabetes Mellitus and its complications. <i>Indian Journal of Clinical Biochemistry</i> , 0, , .	1.9	1
3523	Is there a potential of circulating miRNAs as biomarkers in rheumatic diseases?. <i>Genes and Diseases</i> , 2023, 10, 1263-1278.	3.4	1
3524	Sensing miRNAs for Disease Diagnostics. <i>Analysis & Sensing</i> , 2023, 3, .	2.0	2
3525	Uncovering the mechanisms of transcription elongation by eukaryotic RNA polymerases I, II, and III. <i>IScience</i> , 2022, 25, 105306.	4.1	6
3526	Identification and characterization of miRNAome and target genes in <i>Pseudostellaria heterophylla</i> . <i>PLoS ONE</i> , 2022, 17, e0275566.	2.5	0
3528	Metformin inhibits the pathogenic functions of AChR-specific B and Th17 cells by targeting miR-146a. <i>Immunology Letters</i> , 2022, 250, 29-40.	2.5	1
3530	BumiR: A toolkit for <i>de novo</i> discovery of microRNAs from sRNA-seq data. <i>GigaScience</i> , 2022, 11, .	6.4	3
3531	Therapeutic potential of targeting mirnas to prostate cancer tumors: using psma as an active target. <i>Molecular and Cellular Oncology</i> , 2022, 9, .	0.7	0
3533	Interactions of host miRNAs in the flavivirus 3'UTR genome: From bioinformatics predictions to practical approaches. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	3
3534	miRNA let-7 family regulated by NEAT1 and ARID3A/NF- κ B inhibits PRRSV-2 replication in vitro and in vivo. <i>PLoS Pathogens</i> , 2022, 18, e1010820.	4.7	9
3535	Tumor-targeted miRNA nanomedicine for overcoming challenges in immunity and therapeutic resistance. <i>Nanomedicine</i> , 2022, 17, 1355-1373.	3.3	2
3536	MiRNA146a and diabetes-related complications: a review. <i>Current Diabetes Reviews</i> , 2022, 19, .	1.3	0
3537	The Emerging Role of Extracellular Vesicles from Mesenchymal Stem Cells and Macrophages in Pulmonary Fibrosis: Insights into miRNA Delivery. <i>Pharmaceuticals</i> , 2022, 15, 1276.	3.8	6
3540	Embryonic microRNAs are essential for bovine preimplantation embryo development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	4
3541	Effect in Human Gene Regulation of Food-Derived Plant miRNAs. , 0, , .		0
3542	MicroRNAs: Small molecules with big impacts in liver injury. <i>Journal of Cellular Physiology</i> , 2023, 238, 32-69.	4.1	8

#	ARTICLE	IF	CITATIONS
3543	Small Non-Coding RNAs in Human Cancer. <i>Genes</i> , 2022, 13, 2072.	2.4	14
3545	miRNA and antisense oligonucleotide-based α -synuclein targeting as disease-modifying therapeutics in Parkinson's disease. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	3
3546	Emerging roles of noncoding micro RNAs and circular RNAs in bovine mastitis: Regulation, breeding, diagnosis, and therapy. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	1
3547	Epigenetic Mechanisms in Breast Adenocarcinoma: Novel DNA Methylation Patterns. <i>Cancer Diagnosis & Prognosis</i> , 2022, 2, 603-608.	0.7	0
3548	The mechanism of action of non-coding RNAs in placental disorders. <i>Biomedicine and Pharmacotherapy</i> , 2022, 156, 113964.	5.6	4
3549	miRNA and other noncoding RNAs. , 2023, , 351-374.		0
3550	The long and short: Non-coding RNAs in the mammalian inner ear. <i>Hearing Research</i> , 2023, 428, 108666.	2.0	4
3551	The role and mechanisms of miRNA in neonatal necrotizing enterocolitis. <i>Frontiers in Pediatrics</i> , 0, 10, .	1.9	2
3552	Research advances in roles of microRNAs in nasal polyp. <i>Frontiers in Genetics</i> , 0, 13, .	2.3	1
3553	The microRNA Lifecycle in Health and Cancer. <i>Cancers</i> , 2022, 14, 5748.	3.7	11
3554	MicroRNA Changes Up to 24 h following Induced Hypoglycemia in Type 2 Diabetes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14696.	4.1	1
3555	The role of micro RNAs (miRNAs) in the regulation of <i>Drosophila melanogaster</i> 's innate immunity. <i>Fly</i> , 2022, 16, 382-396.	1.7	2
3556	MicroRNAs (miRNAs): Novel potential therapeutic targets in colorectal cancer. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	4
3557	MicroRNAs: a crossroad that connects obesity to immunity and aging. <i>Immunity and Ageing</i> , 2022, 19, .	4.2	9
3558	Systematic characterization and biological functions of non-coding <i>scnRNAs</i> in glioblastoma. <i>Cell Proliferation</i> , 2023, 56, .	5.3	7
3559	Mesangial cell: A hub in lupus nephritis. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	5
3560	Small RNAs/Cancer. , 2016, , 727-738.		0
3561	miRNAs and lncRNAs in tomato: Roles in biotic and abiotic stress responses. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	9

#	ARTICLE	IF	CITATIONS
3562	Non-coding RNAs in immunoregulation and autoimmunity: Technological advances and critical limitations. <i>Journal of Autoimmunity</i> , 2023, 134, 102982.	6.5	7
3563	Circulating miRNAs associated with nonalcoholic fatty liver disease. <i>American Journal of Physiology - Cell Physiology</i> , 2023, 324, C588-C602.	4.6	14
3564	Understanding the evolution of miRNA biogenesis machinery in plants with special focus on rice. <i>Functional and Integrative Genomics</i> , 2023, 23, .	3.5	1
3565	G-quadruplex from precursor miR-1587 modulated its maturation and function. <i>International Journal of Biological Macromolecules</i> , 2023, 231, 123279.	7.5	4
3566	Role and Dysregulation of miRNA in Patients with Parkinsonâ€™s Disease. <i>International Journal of Molecular Sciences</i> , 2023, 24, 712.	4.1	8
3567	RNA Interference Applications for Machado-Joseph Disease. , 0, , .		0
3568	Vloga malih RNK pri odzivu rastlin na oku¼bo s patogenimi organizmi. <i>Acta Agriculturae Slovenica</i> , 2022, 118, 1.	0.3	0
3569	The length of uninterrupted CAG repeats in stem regions of repeat disease associated hairpins determines the amount of short CAG oligonucleotides that are toxic to cells through RNA interference. <i>Cell Death and Disease</i> , 2022, 13, .	6.3	3
3570	The Dynamics of miR-449a/c Expression during Uterine Cycles Are Associated with Endometrial Development. <i>Biology</i> , 2023, 12, 55.	2.8	3
3571	MicroRNA and Their Role in Carcinoma Gallbladder. , 2023, , 177-200.		0
3572	Discovery of differentially expressed novel miRNAs in breast normal cells and their putative targets. <i>Molecular and Cellular Biochemistry</i> , 2023, 478, 2361-2378.	3.1	2
3573	AI as a Novel Approach for Exploring ccfNAs in Personalized Clinical Diagnosis and Prognosis: Providing Insight into the Decision-Making in Precision Oncology. , 2023, , 73-91.		1
3574	MicroRNAs associated with <i>Helicobacter pylori</i> and Epstein-Barr virus infections in gastric cancer. , 2023, , 71-94.		0
3575	MicroRNAs in the Mouse Developing Retina. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2992.	4.1	0
3576	Extracellular urinary microRNAs as non-invasive biomarkers of endometrial and ovarian cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2023, 149, 7981-7993.	2.5	1
3577	miRNAs as potential game-changers in melanoma: A comprehensive review. <i>Pathology Research and Practice</i> , 2023, 244, 154424.	2.3	46
3578	miRNAs as potential game-changers in bone diseases: Future medicinal and clinical uses. <i>Pathology Research and Practice</i> , 2023, 245, 154440.	2.3	8
3579	<sc>Mdmâ€miR858</sc> targets <i>MdMYB9</i> and <i>MdMYBPA1</i> to participate anthocyanin biosynthesis in redâ€fleshed apple. <i>Plant Journal</i> , 2023, 113, 1295-1309.	5.7	11

#	ARTICLE	IF	CITATIONS
3580	Non-coding RNAs targeting NF- κ B pathways in aquatic animals: A review. <i>Frontiers in Immunology</i> , 0, 14, .	4.8	1
3581	The Impact of Dysregulated microRNA Biogenesis Machinery and microRNA Sorting on Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3443.	4.1	4
3582	The various role of microRNAs in breast cancer angiogenesis, with a special focus on novel miRNA-based delivery strategies. <i>Cancer Cell International</i> , 2023, 23, .	4.1	5
3583	Modulating epigenetic modifications for cancer therapy (Review). <i>Oncology Reports</i> , 2023, 49, .	2.6	17
3584	Polycystic Ovary Syndrome: Etiology, Current Management, and Future Therapeutics. <i>Journal of Clinical Medicine</i> , 2023, 12, 1454.	2.4	39
3585	Recent advance of herbal medicines in cancer- a molecular approach. <i>Heliyon</i> , 2023, 9, e13684.	3.2	12
3586	Recent Research Advances of Small Regulatory RNA in Fruit Crops. <i>Horticulturae</i> , 2023, 9, 294.	2.8	4
3587	Circadian system microRNAs “ Role in the development of cardiovascular diseases. <i>Advances in Protein Chemistry and Structural Biology</i> , 2023, , .	2.3	0
3588	MiRNAs as epigenetic regulators for gut microbiome. , 2023, , 153-172.		0
3589	Elfimova. MicroRNA: a clinician’s view of the state of the problem. Part 1. History of the issue. <i>Eurasian Heart Journal</i> , 2023, , 100-107.	0.8	0
3590	Insights into Online microRNA Bioinformatics Tools. <i>Non-coding RNA</i> , 2023, 9, 18.	2.6	3
3591	Nonalcoholic Fatty Liver Disease and MicroRNAs: A Weighty Consideration. <i>Biomedical and Biotechnology Research Journal</i> , 2023, 7, 1.	0.6	1
3592	Arsenic resistance protein 2 and microRNA biogenesis: Biological implications in cancer development. , 2023, 244, 108386.		0
3593	The role of selected non-coding RNAs in the biology of non-small cell lung cancer. <i>Advances in Medical Sciences</i> , 2023, 68, 121-137.	2.1	9
3594	The Critical Role of microRNA-21 in Non-alcoholic Fatty Liver Disease Pathogenesis. <i>Current Pharmaceutical Design</i> , 2023, 29, 904-913.	1.9	0
3595	Post-Transcriptional Regulatory Crosstalk between MicroRNAs and Canonical TGF- β 2/BMP Signalling Cascades on Osteoblast Lineage: A Comprehensive Review. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6423.	4.1	3
3596	A Compilation of the Diverse miRNA Functions in <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> Development. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6963.	4.1	2
3597	Small Non-Coding RNAs in Soft-Tissue Sarcomas: State of the Art and Future Directions. <i>Molecular Cancer Research</i> , 0, , OF1-OF14.	3.4	1

#	ARTICLE	IF	CITATIONS
3598	An Insight into the Arising Role of MicroRNAs in Hepatocellular Carcinoma: Future Diagnostic and Therapeutic Approaches. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7168.	4.1	7
3599	An Overview of the Role of MicroRNAs on Carcinogenesis: A Focus on Cell Cycle, Angiogenesis and Metastasis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7268.	4.1	9
3600	G-quadruplexes from non-coding RNAs. <i>Journal of Molecular Medicine</i> , 2023, 101, 621-635.	3.9	3
3601	The role of noncoding <scp>RNAs</scp> in pancreatic birth defects. <i>Birth Defects Research</i> , 0, , .	1.5	0
3602	microRNAs role in phytoplasma-associated developmental alterations. , 2023, , 167-185.		0
3603	MicroRNAs in gametes and preimplantation embryos: Clinical implications. , 2023, , 251-287.		0
3604	MiR-24â€“3p/Dio3 axis is essential for BDE47 to induce local thyroid hormone disorder and neurotoxicity. <i>Toxicology</i> , 2023, 491, 153527.	4.2	2
3605	Role of microRNAs in the crosstalk between the gut microbiota and intestinal immune system. <i>Bioscience of Microbiota, Food and Health</i> , 2023, 42, 222-228.	1.8	1
3606	MicroRNAs from <i>Holarrhena pubescens</i> stems: Identification by small RNA Sequencing and their Potential Contribution to Human Gene Targets. <i>Functional and Integrative Genomics</i> , 2023, 23, .	3.5	4
3607	Noncoding RNA. , 2022, , 259-278.		0
3609	A state-of-the-art review on the MicroRNAs roles in hematopoietic stem cell aging and longevity. <i>Cell Communication and Signaling</i> , 2023, 21, .	6.5	10
3610	NLRP3 inflammasome pathway in atherosclerosis: Focusing on the therapeutic potential of non-coding RNAs. <i>Pathology Research and Practice</i> , 2023, 246, 154490.	2.3	2
3611	The key role of microRNA-766 in the cancer development. <i>Frontiers in Oncology</i> , 0, 13, .	2.8	2
3612	microRNA, epi-microRNA, and cancer. , 2023, , 85-107.		0
3613	On the origin and nature of nongenetic information in eumetazoans. <i>Annals of the New York Academy of Sciences</i> , 0, , .	3.8	0
3614	Nuclear Architecture and Transcriptional Regulation of MicroRNAs. , 2023, , 973-1006.		0
3615	Regulation of Bone Homeostasis and Regeneration by MicroRNAs. , 2023, , 741-770.		0
3616	MicroRNA Function in Muscle Homeostasis and Regenerative Medicine. , 2015, , 269-292.		0

#	ARTICLE	IF	CITATIONS
3617	MicroRNAs in Tissue Engineering and Regenerative Medicine. , 2015, , 1007-1049.		0
3618	MicroRNAs in Renal Development and Regeneration. , 2023, , 293-313.		0
3619	Multi-omics approaches for understanding stressor-induced physiological changes in plants: An updated overview. Physiological and Molecular Plant Pathology, 2023, 126, 102047.	2.5	4
3620	Genes Involved in miRNA Biogenesis Are Not Downregulated in SARS-CoV-2 Infection. Viruses, 2023, 15, 1177.	3.3	2
3621	The Mechanism of DNA Methylation and miRNA in Breast Cancer. International Journal of Molecular Sciences, 2023, 24, 9360.	4.1	3
3622	Evaluation of SNPs and miRNAs in the BID, MAPK10, and AGER Genes Related to Alzheimer's Disease by Using In Silico Tools. Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, 2023, 10, 181-208.	0.6	0
3623	A Review of IsomiRs in Colorectal Cancer. Non-coding RNA, 2023, 9, 34.	2.6	1
3624	miR-495-3p as a promising tumor suppressor in human cancers. Pathology Research and Practice, 2023, 248, 154610.	2.3	2
3625	The Intricate Interplay between Cancer Stem Cells and Oncogenic miRNAs in Breast Cancer Progression and Metastasis. Life, 2023, 13, 1361.	2.4	2
3626	Long Non-Coding RNA-X-Inactive Specific Transcript Promotes the Retinal Ganglion Cell Survival After Optic Nerve Crush Injury by Upregulating miR-36. Journal of Biomaterials and Tissue Engineering, 2023, 13, 442-447.	0.1	0
3627	Analysis of the Contribution of 6-mer Seed Toxicity to HIV-1-Induced Cytopathicity. Journal of Virology, 2023, 97, .	3.4	3
3628	MicroRNA Expression Profile in Patients Admitted to ICU as Novel and Reliable Approach for Diagnostic and Therapeutic Purposes. Molecular Biotechnology, 0, , .	2.4	0
3629	Role of miRNA-21 in radiation-induced heart disease. , 2023, 9, 56-65.		0
3630	Understanding the roles and regulation of mitochondrial microRNAs (MitomiRs) in neurodegenerative diseases: Current status and advances. Mechanisms of Ageing and Development, 2023, 213, 111838.	4.6	1
3631	Clinical Significance of MicroRNAs, Long Non-Coding RNAs, and CircRNAs in Cardiovascular Diseases. Cells, 2023, 12, 1629.	4.1	6
3632	Recent perspective of non-coding RNAs at the nexus of plant-pathogen interaction. Plant Physiology and Biochemistry, 2023, 201, 107852.	5.8	3
3633	The emerging role of microRNA-126 as a potential therapeutic target in cancer: a comprehensive review. Pathology Research and Practice, 2023, 248, 154631.	2.3	4
3634	Epigenetic regulations in Mycobacterium tuberculosis infection. Indian Journal of Tuberculosis, 2023, , .	0.7	0

#	ARTICLE	IF	CITATIONS
3635	The role of microRNA in psoriasis: A review. <i>Experimental Dermatology</i> , 2023, 32, 1598-1612.	2.9	3
3636	Recent Advances in Novel Recombinant RNAs for Studying Post-transcriptional Gene Regulation in Drug Metabolism and Disposition. <i>Current Drug Metabolism</i> , 2023, 24, 175-189.	1.2	1
3637	Interplay between LncRNAs and microRNAs in Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2023, 24, 8095.	4.1	10
3638	microRNA-dependent regulation of gene expression in GABAergic interneurons. <i>Frontiers in Cellular Neuroscience</i> , 0, 17, .	3.7	4
3640	Consequences of depleting TNRC6, AGO, and DROSHA proteins on expression of microRNAs. <i>Rna</i> , 2023, 29, 1166-1184.	3.5	4
3641	Epigenetic Modification of MicroRNAs. , 2023, , 79-110.		0
3642	CRISPR/Cas9-mediated gene editing of the let-7 seed sequence improves silk yield in the silkworm, <i>Bombyx mori</i> . <i>International Journal of Biological Macromolecules</i> , 2023, 243, 124793.	7.5	3
3643	MicroRNAs in Extracellular Vesicles of Alzheimer's Disease. <i>Cells</i> , 2023, 12, 1378.	4.1	7
3644	Role of the proline-rich disordered domain of DROSHA in intronic microRNA processing. <i>Genes and Development</i> , 2023, 37, 383-397.	5.9	1
3645	The severity of SARS-CoV-2 infection in K18 ^{hACE2} mice is attenuated by a novel steroid derivative in a gender-specific manner. <i>British Journal of Pharmacology</i> , 0, , .	5.4	0
3646	Biological and therapeutic viewpoints towards role of miR-218 in human cancers: Revisiting molecular interactions and future clinical translations. <i>Cellular Signalling</i> , 2023, 109, 110786.	3.6	0
3647	Unlocking the Potential of Circulating miRNAs in the Breast Cancer Neoadjuvant Setting: A Systematic Review and Meta-Analysis. <i>Cancers</i> , 2023, 15, 3424.	3.7	3
3648	Role of mi RNA in Phytoremediation of Heavy Metals and Metal Induced Stress Alleviation. <i>Applied Biochemistry and Biotechnology</i> , 0, , .	2.9	0
3649	Role of microRNA miR171 in plant development. <i>PeerJ</i> , 0, 11, e15632.	2.0	2
3650	MicroRNA therapeutics and Nucleic Acid Nano-Delivery Systems in Bacterial Infection: a review. <i>Journal of Materials Chemistry B</i> , 0, , .	5.8	0
3651	Pluripotency-Associated microRNAs in Early Vertebrate Embryos and Stem Cells. <i>Genes</i> , 2023, 14, 1434.	2.4	2
3652	Classification of Promoter Sequences from Human Genome. <i>International Journal of Molecular Sciences</i> , 2023, 24, 12561.	4.1	0
3653	MicroRNA Promoter Identification in Human with a Three-level Prediction Method. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2023, , 1-10.	3.0	0

#	ARTICLE	IF	CITATIONS
3654	The Role of microRNAs in Epigenetic Regulation of Signaling Pathways in Neurological Pathologies. International Journal of Molecular Sciences, 2023, 24, 12899.	4.1	2
3656	Extracellular Vesicle MicroRNAs in Heart Failure: Pathophysiological Mediators and Therapeutic Targets. Cells, 2023, 12, 2145.	4.1	0
3657	Peptidyl-prolyl isomerase Cyclophilin71 promotes SERRATE phase separation and miRNA processing in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	3
3658	MiRNAs in Lung Adenocarcinoma: Role, Diagnosis, Prognosis, and Therapy. International Journal of Molecular Sciences, 2023, 24, 13302.	4.1	1
3659	The dysregulation of miRNAs in epilepsy and their regulatory role in inflammation and apoptosis. Functional and Integrative Genomics, 2023, 23, .	3.5	5
3660	MicroRNAs as Potential Regulators of GSK-3 β in Renal Cell Carcinoma. Current Issues in Molecular Biology, 2023, 45, 7432-7448.	2.4	0
3661	The Role and Applications of Exosomes in Gynecological Cancer: A Review. Cell Transplantation, 2023, 32, .	2.5	3
3662	MicroRNAs as the critical regulators of Forkhead box protein family during gynecological and breast tumor progression and metastasis. European Journal of Medical Research, 2023, 28, .	2.2	0
3663	Modulation of the Cellular microRNA Landscape: Contribution to the Protective Effects of High-Density Lipoproteins (HDL). Biology, 2023, 12, 1232.	2.8	2
3664	lnc-HC ameliorates steatosis by promoting miR-130b-3p biogenesis and the assembly of an RNA-induced silencing complex. Molecular and Cellular Endocrinology, 2023, 578, 112061.	3.2	1
3665	Post-transcriptional gene silencing in a dynamic RNP world. Biological Chemistry, 2023, .	2.5	0
3666	Quercetin's Dual Mode of Action to Counteract the Sp1-miR-27a Axis in Colorectal Cancer Cells. Antioxidants, 2023, 12, 1547.	5.1	0
3667	Multiple Genetic Polymorphisms within microRNA Targets and Homologous microRNA-Binding Sites: Two More Factors Influencing microRNA-Mediated Regulation of Gene Expression. , 0, .		1
3668	Leveraging microRNAs for cellular therapy. Immunology Letters, 2023, 262, 27-35.	2.5	2
3669	miRNA contributes to neuropathic pains. International Journal of Biological Macromolecules, 2023, 253, 126893.	7.5	1
3670	MicroRNAs in Cancer: Diagnostics and Therapeutics. , 2023, , 1-25.		0
3671	Transforming growth factor-beta superfamily regulates mesenchymal stem cell osteogenic differentiation: A microRNA linking. Acta Histochemica, 2023, 125, 152096.	1.8	1
3672	MicroRNA-specific therapeutic targets and biomarkers of apoptosis following myocardial ischemia's reperfusion injury. Molecular and Cellular Biochemistry, 0, , .	3.1	0

#	ARTICLE	IF	CITATIONS
3673	RNA G-quadruplex in functional regulation of noncoding RNA: Challenges and emerging opportunities. Cell Chemical Biology, 2024, 31, 53-70.	5.2	1
3674	Role of exosome-derived miRNAs in diabetic wound angiogenesis. Molecular and Cellular Biochemistry, 0, , .	3.1	0
3675	A Non-Canonical Pathway Induced by Externally Applied Virus-Specific dsRNA in Potato Plants. International Journal of Molecular Sciences, 2023, 24, 15769.	4.1	1
3676	miRNA-Based Technologies in Cancer Therapy. Journal of Personalized Medicine, 2023, 13, 1586.	2.5	3
3677	A conserved nutrient responsive axis mediates autophagic degradation of miRNA-mRNA hybrids in blood cell progenitors. Nucleic Acids Research, 0, , .	14.5	0
3678	Machine learning approaches for plant miRNA prediction: Challenges, advancements, and future directions. , 2023, 1, 100014.		1
3679	MicroRNAs as Potential Biomarkers of Environmental Exposure to Polycyclic Aromatic Hydrocarbons and Their Link with Inflammation and Lung Cancer. International Journal of Molecular Sciences, 2023, 24, 16984.	4.1	3
3680	Vitamin D and microRNAs. , 2024, , 261-290.		0
3682	Functional Role of MicroRNAs in Embryogenesis. , 0, , .		0
3683	Hypoxia and Epithelial-to-Mesenchymal Transition (EMT) in Cancer: A Non-coding RNA Perspective. RNA Technologies, 2023, , 441-481.	0.3	0
3684	Non-coding RNAs (ncRNAs) in plant: Master regulators for adapting to extreme temperature conditions. Plant Physiology and Biochemistry, 2023, 205, 108164.	5.8	2
3685	Estrus Physiology and Potential of Extracellular Vesicular miRNA as Biomarkers: A Theoretical Review. Physiology, 0, , .	10.0	0
3686	Role of microRNAs in renal cancer diagnostics. , 2023, 3, 46-59.		0
3687	A tailed mirtron promotes longevity in Drosophila. Nucleic Acids Research, 2024, 52, 1080-1089.	14.5	0
3688	Hepatitis B Virus and microRNAs: A Bioinformatics Approach. International Journal of Molecular Sciences, 2023, 24, 17224.	4.1	0
3689	Introduction to Cancer Epigenetics. Epigenetics and Human Health, 2023, , 77-134.	0.2	0
3691	The knowns and unknowns of helminth-host miRNA cross-kingdom communication. Trends in Parasitology, 2024, 40, 176-191.	3.3	0
3692	RNA interference-based therapies for atherosclerosis: Recent advances and future prospects. Progress in Molecular Biology and Translational Science, 2024, , 1-43.	1.7	0

#	ARTICLE	IF	CITATIONS
3693	miR-142: A Master Regulator in Hematological Malignancies and Therapeutic Opportunities. <i>Cells</i> , 2024, 13, 84.	4.1	1
3694	Clinical Implementation of MicroRNAs in Cancer Immunology. <i>International Journal of Translational Medicine</i> , 2024, 4, 53-71.	0.4	0
3695	Identification of miRNAs and Their Target Genes Involved in the Biosynthesis of Flower Color and Scent in <i>Rosa canina</i> L.. , 2024, 48, 31-43.		0
3696	Small RNAs: Classification, Biogenesis, and Function. <i>Molecules and Cells</i> , 2005, 19, 1-15.	2.6	8
3697	miR-373 promotes invasion and metastasis of colorectal cancer cells via activating ERK/MAPK pathway. <i>Scientific Reports</i> , 2024, 14, .	3.3	0
3698	Prognostic value of plasma microRNAs for non-small cell lung cancer based on data mining models. <i>BMC Cancer</i> , 2024, 24, .	2.6	0
3699	Functional annotation of the microRNA-mediated network in gigantomastia by integrating microRNA and mRNA expression profiling. <i>Chinese Medical Journal</i> , 2013, 126, 740-746.	2.3	0
3700	Death Induced by Survival gene Elimination (DISE) correlates with neurotoxicity in Alzheimerâ€™s disease and aging. <i>Nature Communications</i> , 2024, 15, .	12.8	0
3701	Overview of bioinformatic tools to study viral infections. , 2023, , .		0
3702	The crosstalk between miRNAs and signaling pathways in human cancers: Potential therapeutic implications. <i>International Review of Cell and Molecular Biology</i> , 2024, , .	3.2	0
3703	Mechanistic insights toward identification and interaction of plant parasitic nematodes: A review. <i>Soil Ecology Letters</i> , 2024, 6, .	4.5	0
3704	Exosomal Osteoclast-Derived miRNA in Rheumatoid Arthritis: From Their Pathogenesis in Bone Erosion to New Therapeutic Approaches. <i>International Journal of Molecular Sciences</i> , 2024, 25, 1506.	4.1	0
3705	Regulation of gene expression by modulating microRNAs through Epigallocatechin-3-gallate in cancer. <i>Molecular Biology Reports</i> , 2024, 51, .	2.3	0
3706	Role of Argonaute proteins in RNAi pathway in <i>Plutella xylostella</i> : A review. <i>Gene</i> , 2024, 903, 148195.	2.2	0
3707	Role of microRNAs in oncogenic viral infection diagnosis and therapeutics. , 2024, , 179-200.		0
3708	MicroRNAs-mediated regulation of immune responses in parasitic infection. , 2024, , 239-263.		0
3709	Paradigms in miRNA biogenesis pathways. , 2024, , 3-21.		0
3710	Identification and Annotation of the 21 Novel Sugar Cane (<i>Saccharum officinarum</i>) MicroRNA Clusters and Their Significant Biological, Molecular and Cellular Targets. <i>Tropical Plant Biology</i> , 2024, 17, 65-81.	1.9	0

#	ARTICLE	IF	CITATIONS
3711	Involvement of miR-8510a-3p in response to Cry1Ac protoxin by regulating PxABCG3 in <i>Plutella xylostella</i> . <i>International Journal of Biological Macromolecules</i> , 2024, 263, 130271.	7.5	0
3712	An emerging paradigm in epigenetic marking: coordination of transcription and replication. <i>Transcription</i> , 0, , 1-16.	3.1	0
3713	Oligonucleotide therapeutics and their chemical modification strategies for clinical applications. <i>Journal of Pharmaceutical Investigation</i> , 0, , .	5.3	0
3714	MicroRNAs and long non-coding RNAs during transcriptional regulation and latency of HIV and HTLV. <i>Retrovirology</i> , 2024, 21, .	2.0	0
3715	Epigenetic Switches in Retinal Homeostasis and Target for Drug Development. <i>International Journal of Molecular Sciences</i> , 2024, 25, 2840.	4.1	0
3716	Pleiotropic Effects of miR5504 Underlying Plant Height, Grain Yield and Quality in Rice. <i>Plant and Cell Physiology</i> , 0, , .	3.1	0
3717	Identification and Analysis of the MIR399 Gene Family in Grapevine Reveal Their Potential Functions in Abiotic Stress. <i>International Journal of Molecular Sciences</i> , 2024, 25, 2979.	4.1	0
3718	The role of ncRNAs-mediated pyroptosis in diabetes and its vascular complications. <i>Cell Biochemistry and Function</i> , 2024, 42, .	2.9	0
3719	Target-directed microRNA degradation: Mechanisms, significance, and functional implications. <i>Wiley Interdisciplinary Reviews RNA</i> , 2024, 15, .	6.4	0
3720	Construction of a prognostic model based on genome-wide methylation analysis of miRNAs for hepatocellular carcinoma. <i>Epigenomics</i> , 0, , .	2.1	0
3721	Targeting MicroRNAs with Small Molecules. <i>Non-coding RNA</i> , 2024, 10, 17.	2.6	0
3722	Machine Learning Perspective in Cancer Research. , 2023, , 1104-1125.		0
3723	Regulatory role of RNA-binding proteins in microRNA biogenesis. <i>Frontiers in Molecular Biosciences</i> , 0, 11, .	3.5	0
3724	The underlying mechanism and targeted therapy strategy of miRNAs cross-regulating EMT process through multiple signaling pathways in hepatocellular carcinoma. <i>Frontiers in Molecular Biosciences</i> , 0, 11, .	3.5	0