

The Noncoding RNA Revolutionâ€™Trashing Old Rules t

Cell

157, 77-94

DOI: [10.1016/j.cell.2014.03.008](https://doi.org/10.1016/j.cell.2014.03.008)

Citation Report

#	ARTICLE	IF	CITATIONS
2	The Missing Inc(RNA) between the pancreatic β -cell and diabetes. <i>Frontiers in Genetics</i> , 2014, 5, 200.	1.1	44
3	Annual, Lunar, and Tidal Clocks. , 2014, , .		29
4	Circannual Rhythms: History, Present Challenges, Future Directions. , 2014, , 203-225.		12
5	A non-conserved miRNA regulates lysosomal function and impacts on a human lysosomal storage disorder. <i>Nature Communications</i> , 2014, 5, 5840.	5.8	38
6	Mir-509-5p joins the Mdm2/p53 feedback loop and regulates cancer cell growth. <i>Cell Death and Disease</i> , 2014, 5, e1387-e1387.	2.7	53
7	Noncoding RNAs regulate NF- κ B signaling to modulate blood vessel inflammation. <i>Frontiers in Genetics</i> , 2014, 5, 422.	1.1	70
8	A splice variant of the human phosphohistidine phosphatase 1 (PHPT1) is degraded by the proteasome. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 57, 69-75.	1.2	5
9	The Potential of MicroRNAs in Personalized Medicine against Cancers. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	26
10	Out FoxO'd by microRNA. Focus on μ miR-182 attenuates atrophy-related gene expression by targeting FoxO3 in skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C311-C313.	2.1	4
11	Robust Identification of Noncoding RNA from Transcriptomes Requires Phylogenetically-Informed Sampling. <i>PLoS Computational Biology</i> , 2014, 10, e1003907.	1.5	49
12	H19 long noncoding RNA controls the mRNA decay promoting function of KSRP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5023-8.	3.3	104
13	Reducing INDEL calling errors in whole genome and exome sequencing data. <i>Genome Medicine</i> , 2014, 6, 89.	3.6	144
14	Noncoding RNA response to xenobiotic exposure: an indicator of toxicity and carcinogenicity. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2014, 10, 1409-1422.	1.5	35
15	PU.1 promotes miR-191 to inhibit adipogenesis in 3T3-L1 preadipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 329-333.	1.0	14
16	microRNA and skeletal muscle function: novel potential roles in exercise, diseases, and aging. <i>Frontiers in Physiology</i> , 2014, 5, 290.	1.3	16
17	"Small Talk" in the Innate Immune System via RNA-Containing Extracellular Vesicles. <i>Frontiers in Immunology</i> , 2014, 5, 542.	2.2	62
18	Co-expression Network Analysis of Human lncRNAs and Cancer Genes. <i>Cancer Informatics</i> , 2014, 13s5, CIN.S14070.	0.9	27
19	Noncoding RNA and its associated proteins as regulatory elements of the immune system. <i>Nature Immunology</i> , 2014, 15, 484-491.	7.0	165

#	ARTICLE	IF	CITATIONS
20	Epigenetic Pathways Regulating Bone Homeostasis: Potential Targeting for Intervention of Skeletal Disorders. <i>Current Osteoporosis Reports</i> , 2014, 12, 496-506.	1.5	21
22	Nuclear stability and transcriptional directionality separate functionally distinct RNA species. <i>Nature Communications</i> , 2014, 5, 5336.	5.8	165
23	Epigenetic Mechanisms in Heart Failure Pathogenesis. <i>Circulation: Heart Failure</i> , 2014, 7, 850-863.	1.6	30
24	A census of human RNA-binding proteins. <i>Nature Reviews Genetics</i> , 2014, 15, 829-845.	7.7	1,671
25	An RNA tertiary switch by modifying how helices are tethered. <i>Genome Biology</i> , 2014, 15, 425.	3.8	3
26	Early Targets of miR-34a in Neuroblastoma. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2114-2131.	2.5	29
27	Genome-Scale CRISPR-Mediated Control of Gene Repression and Activation. <i>Cell</i> , 2014, 159, 647-661.	13.5	2,176
28	tRNA fragments in human health and disease. <i>FEBS Letters</i> , 2014, 588, 4297-4304.	1.3	321
29	Transcriptional and epigenetic networks of helper T and innate lymphoid cells. <i>Immunological Reviews</i> , 2014, 261, 23-49.	2.8	76
30	Regulation of Transcription by Long Noncoding RNAs. <i>Annual Review of Genetics</i> , 2014, 48, 433-455.	3.2	373
31	Non-coding RNA and the complex regulation of the trypanosome life cycle. <i>Current Opinion in Microbiology</i> , 2014, 20, 146-152.	2.3	7
32	Sex, epilepsy, and epigenetics. <i>Neurobiology of Disease</i> , 2014, 72, 210-216.	2.1	13
33	Potential roles of noncoding RNAs in environmental epigenetic transgenerational inheritance. <i>Molecular and Cellular Endocrinology</i> , 2014, 398, 24-30.	1.6	76
34	Short intronic repeat sequences facilitate circular RNA production. <i>Genes and Development</i> , 2014, 28, 2233-2247.	2.7	773
35	Novel aspects of RNA regulation in <i>Staphylococcus aureus</i> . <i>FEBS Letters</i> , 2014, 588, 2523-2529.	1.3	49
36	Serotonin 2C Receptor as a Superhero: Diversities and Talents in the RNA Universe for Editing, Variant, Small RNA and Other Expected Functional RNAs. <i>Journal of Pharmacological Sciences</i> , 2014, 126, 321-328.	1.1	3
37	Dynamic miRNA-mRNA paradigms: New faces of miRNAs. <i>Biochemistry and Biophysics Reports</i> , 2015, 4, 337-341.	0.7	48
38	Long non-coding RNA regulation of reproduction and development. <i>Molecular Reproduction and Development</i> , 2015, 82, 932-956.	1.0	140

#	ARTICLE	IF	CITATIONS
39	Probing the kinetic and thermodynamic consequences of the tetraloop/tetraloop receptor monovalent ion-binding site in P4â€P6 RNA by smFRET. <i>Biochemical Society Transactions</i> , 2015, 43, 172-178.	1.6	19
40	Clinical value of lncRNA MALAT1 as a prognostic marker in human cancer: systematic review and meta-analysis. <i>BMJ Open</i> , 2015, 5, e008653.	0.8	108
41	Diagnostic and therapeutic application of noncoding RNAs for hepatocellular carcinoma. <i>World Journal of Hepatology</i> , 2015, 7, 1.	0.8	35
42	Noncoding RNAs, post-transcriptional RNA operons and Chinese hamster ovary cells. <i>Pharmaceutical Bioprocessing</i> , 2015, 3, 227-247.	0.8	15
43	Role of Noncoding RNAs as Biomarker and Therapeutic Targets for Liver Fibrosis. <i>Gene Expression</i> , 2015, 16, 155-162.	0.5	43
44	A Uâ€U Pairâ€Uâ€C Pair Mutationâ€Induced RNA Native Structure Destabilisation and Stretchingâ€Forceâ€Induced RNA Misfolding. <i>ChemPlusChem</i> , 2015, 80, 1267-1278.	1.3	12
45	tRNA-Derived Fragments (tRFs): Emerging New Roles for an Ancient RNA in the Regulation of Gene Expression. <i>Life</i> , 2015, 5, 1638-1651.	1.1	202
46	Non-Coding RNA: Sequence-Specific Guide for Chromatin Modification and DNA Damage Signaling. <i>Frontiers in Genetics</i> , 2015, 6, 320.	1.1	22
47	Epigenetics of Peripheral B-Cell Differentiation and the Antibody Response. <i>Frontiers in Immunology</i> , 2015, 6, 631.	2.2	77
48	Preface: MicroRNA: A Newcomer to Biological Science. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2015, 4, 2-2.	0.6	0
49	RNA and Protein Synthesis. , 2015, , 419-446.		0
50	Conservation and Losses of Non-Coding RNAs in Avian Genomes. <i>PLoS ONE</i> , 2015, 10, e0121797.	1.1	18
51	Functional Impact and Evolution of a Novel Human Polymorphic Inversion That Disrupts a Gene and Creates a Fusion Transcript. <i>PLoS Genetics</i> , 2015, 11, e1005495.	1.5	22
52	Discovery of Novel ncRNA Sequences in Multiple Genome Alignments on the Basis of Conserved and Stable Secondary Structures. <i>PLoS ONE</i> , 2015, 10, e0130200.	1.1	26
53	Cis-Antisense Transcription Gives Rise to Tunable Genetic Switch Behavior: A Mathematical Modeling Approach. <i>PLoS ONE</i> , 2015, 10, e0133873.	1.1	20
54	Identification and Characterization of Circular RNAs As a New Class of Putative Biomarkers in Human Blood. <i>PLoS ONE</i> , 2015, 10, e0141214.	1.1	542
55	fMiRNA-192 and miRNA-204 Directly Suppress lncRNA HOTTIP and Interrupt GLS1-Mediated Glutaminolysis in Hepatocellular Carcinoma. <i>PLoS Genetics</i> , 2015, 11, e1005726.	1.5	151
56	RNA around the clock â€ regulation at the RNA level in biological timing. <i>Frontiers in Plant Science</i> , 2015, 06, 311.	1.7	34

#	ARTICLE	IF	CITATIONS
57	Emerging roles of long non-coding RNA in root developmental plasticity and regulation of phosphate homeostasis. <i>Frontiers in Plant Science</i> , 2015, 6, 400.	1.7	35
58	Noncoding Genomics in Gastric Cancer and the Gastric Precancerous Cascade: Pathogenesis and Biomarkers. <i>Disease Markers</i> , 2015, 2015, 1-14.	0.6	20
59	Effect of Environmental Chemical Stress on Nuclear Noncoding RNA Involved in Epigenetic Control. <i>BioMed Research International</i> , 2015, 2015, 1-10.	0.9	4
60	The building process of the functional paraspeckle with long non-coding RNAs. <i>Frontiers in Bioscience - Elite</i> , 2015, 7, 1-47.	0.9	42
61	SAM68: Signal Transduction and RNA Metabolism in Human Cancer. <i>BioMed Research International</i> , 2015, 2015, 1-14.	0.9	80
62	Long non-coding RNA AOC4P suppresses hepatocellular carcinoma metastasis by enhancing vimentin degradation and inhibiting epithelial-mesenchymal transition. <i>Oncotarget</i> , 2015, 6, 23342-23357.	0.8	107
63	Post-transcriptional Regulation of Programmed Cell Death 4 (PDCD4) mRNA by the RNA-binding Proteins Human Antigen R (HuR) and T-cell Intracellular Antigen 1 (TIA1). <i>Journal of Biological Chemistry</i> , 2015, 290, 3468-3487.	1.6	40
64	Technical guide for applications of gene expression profiling in human health risk assessment of environmental chemicals. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 72, 292-309.	1.3	60
65	Noncoding RNA in age-related cardiovascular diseases. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 83, 142-155.	0.9	99
66	When Competing Viruses Unify: Evolution, Conservation, and Plasticity of Genetic Identities. <i>Journal of Molecular Evolution</i> , 2015, 80, 305-318.	0.8	28
67	Non-coding RNA: what is functional and what is junk?. <i>Frontiers in Genetics</i> , 2015, 6, 2.	1.1	602
68	Non-Coding RNAs in Stroke and Neuroprotection. <i>Frontiers in Neurology</i> , 2015, 6, 50.	1.1	67
69	Multiplexable, locus-specific targeting of long RNAs with CRISPR-Display. <i>Nature Methods</i> , 2015, 12, 664-670.	9.0	268
70	Genetics of Sudden Cardiac Death. <i>Circulation Research</i> , 2015, 116, 1919-1936.	2.0	211
71	Alterations of miR-132 are novel diagnostic biomarkers in peripheral blood of schizophrenia patients. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 63, 23-29.	2.5	47
72	A-to-I RNA Editing: Current Knowledge Sources and Computational Approaches with Special Emphasis on Non-Coding RNA Molecules. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 37.	2.0	47
73	Comprehensive transcriptional landscape of aging mouse liver. <i>BMC Genomics</i> , 2015, 16, 899.	1.2	98
74	The recruitment of chromatin modifiers by long noncoding RNAs: lessons from PRC2. <i>Rna</i> , 2015, 21, 2007-2022.	1.6	248

#	ARTICLE	IF	CITATIONS
75	A lincRNA connected to cell mortality and epigenetically-silenced in most common human cancers. <i>Epigenetics</i> , 2015, 10, 1074-1083.	1.3	28
76	The RNA-binding proteomes from yeast to man harbour conserved enigmRBPs. <i>Nature Communications</i> , 2015, 6, 10127.	5.8	385
77	microRNAs and Personalized Medicine: Evaluating Their Potential as Cancer Biomarkers. <i>Advances in Experimental Medicine and Biology</i> , 2015, 888, 5-15.	0.8	15
78	H19 lncRNA alters DNA methylation genome wide by regulating S-adenosylhomocysteine hydrolase. <i>Nature Communications</i> , 2015, 6, 10221.	5.8	206
79	Deciphering the proteinâ€RNA recognition code: Combining largeâ€scale quantitative methods with structural biology. <i>BioEssays</i> , 2015, 37, 899-908.	1.2	26
80	Global Analysis of the RNA-Protein Interaction and RNA Secondary Structure Landscapes of the Arabidopsis Nucleus. <i>Molecular Cell</i> , 2015, 57, 376-388.	4.5	105
81	Roles for noncoding RNAs in cell-fate determination and regeneration. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 2-4.	3.6	24
82	Life is physics and chemistry and communication. <i>Annals of the New York Academy of Sciences</i> , 2015, 1341, 1-9.	1.8	12
83	RNA-mediated epigenetic regulation of gene expression. <i>Nature Reviews Genetics</i> , 2015, 16, 71-84.	7.7	832
84	The biology of castration-resistant prostate cancer. <i>Current Problems in Cancer</i> , 2015, 39, 17-28.	1.0	22
85	EBV Noncoding RNA Binds Nascent RNA to Drive Host PAX5 to Viral DNA. <i>Cell</i> , 2015, 160, 607-618.	13.5	124
86	Non-coding RNAs as direct and indirect modulators of epigenetic mechanism regulation of cardiac fibrosis. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 707-716.	1.5	21
87	Exon-intron circular RNAs regulate transcription in the nucleus. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 256-264.	3.6	2,330
89	RNA: Jack of All Trades and Master of All. <i>Cell</i> , 2015, 160, 579-580.	13.5	3
90	MicroRNA Regulating Glutathione S-Transferase P1 in Prostate Cancer. <i>Current Pharmacology Reports</i> , 2015, 1, 79-88.	1.5	16
92	Cerebrospinal Fluid in Clinical Neurology. , 2015, , .		16
93	Sporadic inclusion-body myositis: A degenerative muscle disease associated with aging, impaired muscle protein homeostasis and abnormal mitophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 633-643.	1.8	81
94	Long noncoding RNA profiles of adrenocortical cancer can be used to predict recurrence. <i>Endocrine-Related Cancer</i> , 2015, 22, 99-109.	1.6	51

#	ARTICLE	IF	CITATIONS
95	Junk DNA and the long non-coding RNA twist in cancer genetics. <i>Oncogene</i> , 2015, 34, 5003-5011.	2.6	293
96	RNA complex purification using high-affinity fluorescent RNA aptamer tags. <i>Annals of the New York Academy of Sciences</i> , 2015, 1341, 149-155.	1.8	13
97	MicroRNA-Specificity Protein (Sp) Transcription Factor Interactions and Significance in Carcinogenesis. <i>Current Pharmacology Reports</i> , 2015, 1, 73-78.	1.5	21
98	Noncoding Oligonucleotides: The Belle of the Ball in Gene Therapy. <i>Advances in Genetics</i> , 2015, 89, 153-177.	0.8	4
99	Nonconventional chemical inhibitors of microRNA: therapeutic scope. <i>Chemical Communications</i> , 2015, 51, 820-831.	2.2	30
100	Enhancing HOTAIR/MiR-10b Drives Normal Liver Stem Cells Toward a Tendency to Malignant Transformation Through Inducing Epithelial- to-Mesenchymal Transition. <i>Rejuvenation Research</i> , 2015, 18, 332-340.	0.9	29
102	A Covalent Approach for Site-Specific RNA Labeling in Mammalian Cells. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4597-4602.	7.2	69
103	Plasma miR-454-3p as a potential prognostic indicator in human glioma. <i>Neurological Sciences</i> , 2015, 36, 309-313.	0.9	52
104	Mechanisms of Evolutionary Innovation Point to Genetic Control Logic as the Key Difference Between Prokaryotes and Eukaryotes. <i>Journal of Molecular Evolution</i> , 2015, 81, 34-53.	0.8	13
105	Regulation of protein homeostasis in neurodegenerative diseases: the role of coding and non-coding genes. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4027-4047.	2.4	29
106	The striatal long noncoding RNA Abhd11os is neuroprotective against an N-terminal fragment of mutant huntingtin in vivo. <i>Neurobiology of Aging</i> , 2015, 36, 1601.e7-1601.e16.	1.5	34
107	PRUNE2 is a human prostate cancer suppressor regulated by the intronic long noncoding RNA <i>PCA3</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8403-8408.	3.3	226
108	Nutritional systems biology of type 2 diabetes. <i>Genes and Nutrition</i> , 2015, 10, 481.	1.2	26
109	Organelle non-coding RNAs: Emerging regulation mechanisms. <i>Biochimie</i> , 2015, 117, 48-62.	1.3	52
110	Characterizing RNA Excited States Using NMR Relaxation Dispersion. <i>Methods in Enzymology</i> , 2015, 558, 39-73.	0.4	55
111	Developing predictive assays: The phenotypic screening <i>core</i> of <i>3i</i> . <i>Science Translational Medicine</i> , 2015, 7, 293ps15.	5.8	153
112	The Genetic Architecture of the Genome-Wide Transcriptional Response to ER Stress in the Mouse. <i>PLoS Genetics</i> , 2015, 11, e1004924.	1.5	32
113	Surveillance and Cleavage of Eukaryotic tRNAs. <i>International Journal of Molecular Sciences</i> , 2015, 16, 1873-1893.	1.8	70

#	ARTICLE	IF	CITATIONS
114	Ligand-responsive RNA mechanical switches. <i>RNA Biology</i> , 2015, 12, 780-786.	1.5	11
115	What happens at or after transcription: Insights into circRNA biogenesis and function. <i>Transcription</i> , 2015, 6, 61-64.	1.7	100
116	The reduction in small ribosomal subunit abundance in ethanol-stressed cells of <i>Bacillus subtilis</i> is mediated by a SigB-dependent antisense RNA. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2553-2559.	1.9	27
117	Third Report on Chicken Genes and Chromosomes 2015. <i>Cytogenetic and Genome Research</i> , 2015, 145, 78-179.	0.6	97
118	Putting Non-coding RNA on Display with CRISPR. <i>Molecular Cell</i> , 2015, 59, 146-148.	4.5	9
119	Improving small RNA-seq by using a synthetic spike-in set for size-range quality control together with a set for data normalization. <i>Nucleic Acids Research</i> , 2015, 43, e89-e89.	6.5	35
120	Mod-seq. <i>Methods in Enzymology</i> , 2015, 558, 125-152.	0.4	9
121	Quo vadis, enzymology?. <i>Nature Chemical Biology</i> , 2015, 11, 438-441.	3.9	13
122	<i>Brickwork</i> builds recurrent RNA and DNA structural motifs into medium- and low-resolution electron-density maps. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 697-705.	2.5	9
123	In silico discovery and modeling of non-coding RNA structure in viruses. <i>Methods</i> , 2015, 91, 48-56.	1.9	5
124	The role of non-coding RNAs in the regulation of stem cells and progenitors in the normal mammary gland and in breast tumors. <i>Frontiers in Genetics</i> , 2015, 6, 72.	1.1	44
125	AKI Recovery Induced by Mesenchymal Stromal Cell-Derived Extracellular Vesicles Carrying MicroRNAs. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 2349-2360.	3.0	212
126	Sa1935 miR-223 Promotes the Cisplatin Resistance of Human Gastric Cancer Cells via Regulating Cell Cycle by Targeting FBXW7. <i>Gastroenterology</i> , 2015, 148, S-360.	0.6	0
127	Cyclic stretch and compression forces alter microRNA-29 expression of human periodontal ligament cells. <i>Gene</i> , 2015, 566, 13-17.	1.0	49
128	Functional and mechanistic studies of XPC DNA-repair complex as transcriptional coactivator in embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2317-26.	3.3	38
129	Long noncoding <i>scRNA</i> s and their proposed functions in fibre development of cotton (<i>Gossypium</i> spp.). <i>New Phytologist</i> , 2015, 207, 1181-1197.	3.5	160
130	Unraveling the 3D genome: genomics tools for multiscale exploration. <i>Trends in Genetics</i> , 2015, 31, 357-372.	2.9	62
131	Sampled ensemble neutrality as a feature to classify potential structured RNAs. <i>BMC Genomics</i> , 2015, 16, 35.	1.2	3

#	ARTICLE	IF	CITATIONS
132	CLIPdb: a CLIP-seq database for protein-RNA interactions. <i>BMC Genomics</i> , 2015, 16, 51.	1.2	210
133	MiR-223 promotes the cisplatin resistance of human gastric cancer cells via regulating cell cycle by targeting FBXW7. <i>Journal of Experimental and Clinical Cancer Research</i> , 2015, 34, 28.	3.5	93
134	RNA-RNA interactions in gene regulation: the coding and noncoding players. <i>Trends in Biochemical Sciences</i> , 2015, 40, 248-256.	3.7	230
135	MicroRNA-155 knockout mice are susceptible to <i>Mycobacterium tuberculosis</i> infection. <i>Tuberculosis</i> , 2015, 95, 246-250.	0.8	55
136	From static to dynamic: the need for structural ensembles and a predictive model of RNA folding and function. <i>Current Opinion in Structural Biology</i> , 2015, 30, 125-133.	2.6	36
137	Protection of the genome and central protein-coding sequences by non-coding DNA against DNA damage from radiation. <i>Mutation Research - Reviews in Mutation Research</i> , 2015, 764, 108-117.	2.4	17
138	Non-coding RNAs and HIV: viral manipulation of host dark matter to shape the cellular environment. <i>Frontiers in Genetics</i> , 2015, 6, 108.	1.1	23
139	The Long Noncoding RNA IncTCF7 Promotes Self-Renewal of Human Liver Cancer Stem Cells through Activation of Wnt Signaling. <i>Cell Stem Cell</i> , 2015, 16, 413-425.	5.2	529
140	RNA regulators of host immunity and pathogen adaptive responses in the oral cavity. <i>Microbes and Infection</i> , 2015, 17, 493-504.	1.0	6
141	miRNAs and other non-coding RNAs in posttraumatic stress disorder: A systematic review of clinical and animal studies. <i>Journal of Psychiatric Research</i> , 2015, 65, 1-8.	1.5	28
142	LncRNAs in vertebrates: Advances and challenges. <i>Biochimie</i> , 2015, 117, 3-14.	1.3	38
143	RNAcentral: an international database of ncRNA sequences. <i>Nucleic Acids Research</i> , 2015, 43, D123-D129.	6.5	103
144	Battles and hijacks: noncoding transcription in plants. <i>Trends in Plant Science</i> , 2015, 20, 362-371.	4.3	176
145	Outside the coding genome, mammalian microRNAs confer structural and functional complexity. <i>Science Signaling</i> , 2015, 8, re2.	1.6	57
146	<i>oskar</i> RNA plays multiple noncoding roles to support oogenesis and maintain integrity of the germline/soma distinction. <i>Rna</i> , 2015, 21, 1096-1109.	1.6	44
147	Linking RNA biology to lncRNAs. <i>Genome Research</i> , 2015, 25, 1456-1465.	2.4	158
148	RNA sequences required for the noncoding function of oskar RNA also mediate regulation of Oskar protein expression by Bicoid Stability Factor. <i>Developmental Biology</i> , 2015, 407, 211-223.	0.9	20
149	Pseudoknots in RNA folding landscapes. <i>Bioinformatics</i> , 2016, 32, 187-194.	1.8	23

#	ARTICLE	IF	CITATIONS
150	Global Run-On Sequencing (GRO-seq) Library Preparation from <i>Drosophila</i> Ovaries. <i>Methods in Molecular Biology</i> , 2015, 1328, 217-230.	0.4	2
151	Diverse regulation of 3' splice site usage. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4771-4793.	2.4	22
152	Long Noncoding RNAs: A New Regulatory Code in Metabolic Control. <i>Trends in Biochemical Sciences</i> , 2015, 40, 586-596.	3.7	164
153	Stable intronic sequence RNAs have possible regulatory roles in <i>Drosophila melanogaster</i> . <i>Journal of Cell Biology</i> , 2015, 211, 243-251.	2.3	51
154	Identification of novel proteins binding the AU-rich element of β -prothymosin mRNA through the selection of open reading frames (RIDome). <i>RNA Biology</i> , 2015, 12, 1289-1300.	1.5	5
155	Evolving targeted therapies for right ventricular failure. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 1263-1283.	1.4	2
156	A Uniform System for the Annotation of Vertebrate microRNA Genes and the Evolution of the Human microRNAome. <i>Annual Review of Genetics</i> , 2015, 49, 213-242.	3.2	467
157	Revisiting Chaos Theorem to Understand the Nature of miRNAs in Response to Drugs of Abuse. <i>Journal of Cellular Physiology</i> , 2015, 230, 2857-2868.	2.0	0
158	Trithorax and Polycomb group-dependent regulation: a tale of opposing activities. <i>Development (Cambridge)</i> , 2015, 142, 2876-2887.	1.2	131
159	HTLV-1 bZIP Factor RNA and Protein Impart Distinct Functions on T-cell Proliferation and Survival. <i>Cancer Research</i> , 2015, 75, 4143-4152.	0.4	75
160	Noncoding RNA-guided recruitment of transcription factors: A prevalent but undocumented mechanism?. <i>BioEssays</i> , 2015, 37, 936-941.	1.2	14
161	A role of long noncoding RNAs in carcinogenesis. <i>Molecular Biology</i> , 2015, 49, 500-507.	0.4	7
162	Specificity and nonspecificity in RNA-protein interactions. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 533-544.	16.1	216
163	<i>Drosophila</i> Oogenesis. <i>Methods in Molecular Biology</i> , 2015, , .	0.4	3
164	Lung Endoderm Morphogenesis: Gasping for Form and Function. <i>Annual Review of Cell and Developmental Biology</i> , 2015, 31, 553-573.	4.0	80
165	Long Noncoding RNAs as Targets and Regulators of Nuclear Receptors. <i>Current Topics in Microbiology and Immunology</i> , 2015, 394, 143-176.	0.7	11
166	Long noncoding RNAs and carcinogenesis. , 2015, , 291-312.		0
167	Structure of the RNA Helicase MLE Reveals the Molecular Mechanisms for Uridine Specificity and RNA-ATP Coupling. <i>Molecular Cell</i> , 2015, 60, 487-499.	4.5	67

#	ARTICLE	IF	CITATIONS
168	Gammaherpesvirus Small Noncoding RNAs Are Bifunctional Elements That Regulate Infection and Contribute to Virulence <i>In Vivo</i> . <i>MBio</i> , 2015, 6, e01670-14.	1.8	42
169	Divergent actions of long noncoding RNAs on X-chromosome remodelling in mammals and <i>Drosophila</i> achieve the same end result: dosage compensation. <i>Journal of Genetics</i> , 2015, 94, 575-584.	0.4	18
170	The double-edged sword of long non-coding RNA: The role of human brain-specific BC200 RNA in translational control, neurodegenerative diseases, and cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2015, 766, 58-67.	2.4	39
171	Epigenetics and miRNA during bacteria-induced host immune responses. <i>Epigenomics</i> , 2015, 7, 1197-1212.	1.0	18
172	A miRNA Signature in Human Cord Blood Stem and Progenitor Cells as Potential Biomarker of Specific Acute Myeloid Leukemia Subtypes. <i>Journal of Cellular Physiology</i> , 2015, 230, 1770-1780.	2.0	33
173	Non-coding RNAs: biological functions and applications. <i>Cell Biochemistry and Function</i> , 2015, 33, 14-22.	1.4	135
174	Genome-Wide Identification of Long Noncoding RNAs in Rat Models of Cardiovascular and Renal Disease. <i>Hypertension</i> , 2015, 65, 200-210.	1.3	52
175	Perspectives on the Application of Next-generation Sequencing to the Improvement of Africa's Staple Food Crops. , 0, , .		1
176	Epigenetics and Drug Abuse. , 2016, , .		3
177	Historical review of the causes of cancer. <i>World Journal of Clinical Oncology</i> , 2016, 7, 54.	0.9	227
179	Long non-coding RNAs are major contributors to transcriptome changes in sunflower meiocytes with different recombination rates. <i>BMC Genomics</i> , 2016, 17, 490.	1.2	28
180	CRISPR/Cas9 therapeutics: a cure for cancer and other genetic diseases. <i>Oncotarget</i> , 2016, 7, 52541-52552.	0.8	68
181	Decreased expression of miR-874 and its tumor suppressive function in human colorectal cancer. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	2
182	Novel Approach to Analyzing MFE of Noncoding RNA Sequences. <i>Genomics Insights</i> , 2016, 9, GEI.S39995.	3.0	1
183	Incredible RNA: Dual Functions of Coding and Noncoding. <i>Molecules and Cells</i> , 2016, 39, 367-374.	1.0	89
184	Dynamic Alterations of miR-34c Expression in the Hypothalamus of Male Rats after Early Adolescent Traumatic Stress. <i>Neural Plasticity</i> , 2016, 2016, 1-8.	1.0	15
185	The Underexploited Role of Non-Coding RNAs in Lysosomal Storage Diseases. <i>Frontiers in Endocrinology</i> , 2016, 7, 133.	1.5	8
186	Differentially Expressed MicroRNAs in Meningiomas Grades I and II Suggest Shared Biomarkers with Malignant Tumors. <i>Cancers</i> , 2016, 8, 31.	1.7	23

#	ARTICLE	IF	CITATIONS
188	Transcriptomic and Proteomic Analysis of <i>Arion vulgaris</i> Proteins for Probably Successful Survival Strategies?. <i>PLoS ONE</i> , 2016, 11, e0150614.	1.1	12
189	Noncoding RNAs in Tumor Epithelial-to-Mesenchymal Transition. <i>Stem Cells International</i> , 2016, 2016, 1-13.	1.2	25
190	Distinct lncRNA transcriptional fingerprints characterize progressive stages of multiple myeloma. <i>Oncotarget</i> , 2016, 7, 14814-14830.	0.8	79
191	Epigenetic determinants of cardiovascular gene expression: vascular endothelium. <i>Epigenomics</i> , 2016, 8, 959-979.	1.0	13
192	Plant microRNA: key regulators of root architecture and biotic interactions. <i>New Phytologist</i> , 2016, 212, 22-35.	3.5	53
193	Epigenetics in liver disease: from biology to therapeutics. <i>Gut</i> , 2016, 65, 1895-1905.	6.1	115
194	Mechanical unfolding kinetics of the SRV-1 gag-pro mRNA pseudoknot: possible implications for α^1 ribosomal frameshifting stimulation. <i>Scientific Reports</i> , 2016, 6, 39549.	1.6	27
195	Implication of Long noncoding RNAs in the endothelial cell response to hypoxia revealed by RNA-sequencing. <i>Scientific Reports</i> , 2016, 6, 24141.	1.6	124
196	The small noncoding RNAs (sncRNAs) of murine gammaherpesvirus 68 (MHV-68) are involved in regulating the latent-to-lytic switch in vivo. <i>Scientific Reports</i> , 2016, 6, 32128.	1.6	10
197	Identification of Tissue-Specific Protein-Coding and Noncoding Transcripts across 14 Human Tissues Using RNA-seq. <i>Scientific Reports</i> , 2016, 6, 28400.	1.6	57
198	MALAT1 and HOTAIR Long Non-Coding RNAs Play Opposite Role in Estrogen-Mediated Transcriptional Regulation in Prostate Cancer Cells. <i>Scientific Reports</i> , 2016, 6, 38414.	1.6	61
199	A systematic study on RNA NMR chemical shift calculation based on the automated fragmentation QM/MM approach. <i>RSC Advances</i> , 2016, 6, 108590-108602.	1.7	14
200	Xanthine oxidase gene variants and their association with blood pressure and incident hypertension. <i>Journal of Hypertension</i> , 2016, 34, 2147-2154.	0.3	30
201	Increased expression of long non-coding RNA XIST predicts favorable prognosis of cervical squamous cell carcinoma subsequent to definitive chemoradiation therapy. <i>Oncology Letters</i> , 2016, 12, 3066-3074.	0.8	41
202	Improving fold activation of small transcription activating RNAs (STARs) with rational RNA engineering strategies. <i>Biotechnology and Bioengineering</i> , 2016, 113, 216-225.	1.7	36
203	Ultraconserved region-containing Transformer 2 ⁴ controls senescence of colon cancer cells. <i>Oncogenesis</i> , 2016, 5, e213-e213.	2.1	18
204	Proteomics of cell-cell interactions in health and disease. <i>Proteomics</i> , 2016, 16, 328-344.	1.3	12
205	RBFox2 Binds Nascent RNA to Globally Regulate Polycomb Complex 2 Targeting in Mammalian Genomes. <i>Molecular Cell</i> , 2016, 62, 875-889.	4.5	66

#	ARTICLE	IF	CITATIONS
206	Flexibility of nucleic acids: From DNA to RNA. Chinese Physics B, 2016, 25, 018703.	0.7	37
207	Revisiting lncRNAs: How Do You Know Yours Is Not an eRNA?. Molecular Cell, 2016, 62, 1-2.	4.5	47
208	A Billion Ubiquitin Variants to Probe and Modulate the UPS. Molecular Cell, 2016, 62, 2-4.	4.5	2
209	Long Non-coding RNAs in Human Disease. Current Topics in Microbiology and Immunology, 2016, , .	0.7	4
210	MiR-454 promotes the progression of human non-small cell lung cancer and directly targets PTEN. Biomedicine and Pharmacotherapy, 2016, 81, 79-85.	2.5	59
211	The Properties of Long Noncoding RNAs That Regulate Chromatin. Annual Review of Genomics and Human Genetics, 2016, 17, 69-94.	2.5	75
212	Epigenetics: A New Model for Intracellular Parasiteâ€Host Cell Regulation. Trends in Parasitology, 2016, 32, 515-521.	1.5	53
213	Exosome-Transmitted lncARSR Promotes Sunitinib Resistance in Renal Cancer by Acting as a Competing Endogenous RNA. Cancer Cell, 2016, 29, 653-668.	7.7	874
214	Stable intronic sequence RNAs (sisRNAs): a new layer of gene regulation. Cellular and Molecular Life Sciences, 2016, 73, 3507-3519.	2.4	32
215	Characterizing RNA structures in vitro and in vivo with selective 2â€²-hydroxyl acylation analyzed by primer extension sequencing (SHAPE-Seq). Methods, 2016, 103, 34-48.	1.9	70
216	Noncoding RNAs in smooth muscle cell homeostasis: implications in phenotypic switch and vascular disorders. Pflugers Archiv European Journal of Physiology, 2016, 468, 1071-1087.	1.3	28
217	RNA systems biology: uniting functional discoveries and structural tools to understand global roles of RNAs. Current Opinion in Biotechnology, 2016, 39, 182-191.	3.3	54
218	RNA Duplex Map in Living Cells Reveals Higher-Order Transcriptome Structure. Cell, 2016, 165, 1267-1279.	18.5	520
219	Variant U1 snRNAs are implicated in human pluripotent stem cell maintenance and neuromuscular disease. Nucleic Acids Research, 2016, 44, 10960-10973.	6.5	26
220	Effective Codelivery of lncRNA and pDNA by Pullulanâ€Based Nanovectors for Promising Therapy of Hepatocellular Carcinoma. Advanced Functional Materials, 2016, 26, 7314-7325.	7.8	51
221	lncRNA profiling in early-stage chronic lymphocytic leukemia identifies transcriptional fingerprints with relevance in clinical outcome. Blood Cancer Journal, 2016, 6, e468-e468.	2.8	47
222	Transcription-coupled changes to chromatin underpin gene silencing by transcriptional interference. Nucleic Acids Research, 2016, 44, 10619-10630.	6.5	29
223	Salt Effects on the Thermodynamics of a Frameshifting RNA Pseudoknot under Tension. Journal of Molecular Biology, 2016, 428, 2847-2859.	2.0	27

#	ARTICLE	IF	CITATIONS
224	Recent development on synthetic biological devices treating bladder cancer. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 216-220.	1.8	8
225	Small Peptides as Newcomers in the Control of <i>Drosophila</i> Development. <i>Current Topics in Developmental Biology</i> , 2016, 117, 199-219.	1.0	24
226	Modeling Small Noncanonical RNA Motifs with the Rosetta FARFAR Server. <i>Methods in Molecular Biology</i> , 2016, 1490, 187-198.	0.4	11
227	Grad-seq guides the discovery of ProQ as a major small RNA-binding protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11591-11596.	3.3	267
228	Properties, functions, and therapeutic prospects of enhancer RNAs. <i>Russian Journal of Bioorganic Chemistry</i> , 2016, 42, 473-478.	0.3	1
229	Insertion of an Alu element in a lncRNA leads to primate-specific modulation of alternative splicing. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 1011-1019.	3.6	75
230	Microbial Manipulation Host Dark Matter. , 2016, , 27-52.		0
232	Well-characterized sequence features of eukaryote genomes and implications for ab initio gene prediction. <i>Computational and Structural Biotechnology Journal</i> , 2016, 14, 298-303.	1.9	12
233	Translating cancer genomes and transcriptomes for precision oncology. <i>Ca-A Cancer Journal for Clinicians</i> , 2016, 66, 75-88.	157.7	133
234	Non-coding RNAs and Inter-kingdom Communication. , 2016, , .		5
235	Modified Nucleic Acids in Biology and Medicine. <i>RNA Technologies</i> , 2016, , .	0.2	3
236	Sequence variation in mature microRNA-608 and benefit from neo-adjuvant treatment in locally advanced rectal cancer patients. <i>Carcinogenesis</i> , 2016, 37, 852-857.	1.3	15
237	Long non-coding RNAs in cancer metabolism. <i>BioEssays</i> , 2016, 38, 991-996.	1.2	33
238	Kinetic and thermodynamic framework for P4-P6 RNA reveals tertiary motif modularity and modulation of the folding preferred pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4956-E4965.	3.3	20
239	Massive rearrangements of cellular MicroRNA signatures are key drivers of hepatocyte dedifferentiation. <i>Hepatology</i> , 2016, 64, 1743-1756.	3.6	100
240	Noncoding RNAs, Origin and Evolution of. , 2016, , 130-135.		5
241	Newer insights into the role of miRNA a tiny genetic tool in psychiatric disorders: focus on post-traumatic stress disorder. <i>Translational Psychiatry</i> , 2016, 6, e954-e954.	2.4	24
242	Down regulated lncRNA MEG3 eliminates mycobacteria in macrophages via autophagy. <i>Scientific Reports</i> , 2016, 6, 19416.	1.6	105

#	ARTICLE	IF	CITATIONS
244	CRISPR/Cas9: a historical and chemical biology perspective of targeted genome engineering. <i>Chemical Society Reviews</i> , 2016, 45, 6666-6684.	18.7	27
245	Manual of Cardiovascular Proteomics. , 2016, , .		4
246	Sensing and Remembering Cellular States Through Chromatin. , 2016, , 343-363.		0
247	Direct Duplex Detection: An Emerging Tool in the RNA Structure Analysis Toolbox. <i>Trends in Biochemical Sciences</i> , 2016, 41, 734-736.	3.7	25
248	Challenges in the analysis of long noncoding <sc>RNA</sc> functionality. <i>FEBS Letters</i> , 2016, 590, 2342-2353.	1.3	37
249	Rewiring the solid tumor epigenome for cancer therapy. <i>Expert Review of Anticancer Therapy</i> , 2016, 16, 977-987.	1.1	7
250	Role of long nonâ€œcoding <sc>RNAs</sc> in the determination of Î²â€œcell identity. <i>Diabetes, Obesity and Metabolism</i> , 2016, 18, 41-50.	2.2	20
251	MiR-622 functions as a tumor suppressor and directly targets E2F1 in human esophageal squamous cell carcinoma. <i>Biomedicine and Pharmacotherapy</i> , 2016, 83, 843-849.	2.5	24
253	Dawn of the <i>in vivo</i> RNA structurome and interactome. <i>Biochemical Society Transactions</i> , 2016, 44, 1395-1410.	1.6	36
254	Epigenetics and aging. <i>Science Advances</i> , 2016, 2, e1600584.	4.7	568
255	Emergence of the Noncoding Cancer Genome: A Target of Genetic and Epigenetic Alterations. <i>Cancer Discovery</i> , 2016, 6, 1215-1229.	7.7	81
256	Characterization of Mg²⁺ Distributions around RNA in Solution. <i>ACS Omega</i> , 2016, 1, 680-688.	1.6	40
257	Regulatory RNAs in <i>Bacillus subtilis</i> : a Gram-Positive Perspective on Bacterial RNA-Mediated Regulation of Gene Expression. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, 1029-1057.	2.9	44
258	Protein Folding Activity of the Ribosome is involved in Yeast Prion Propagation. <i>Scientific Reports</i> , 2016, 6, 32117.	1.6	19
259	Nuclear RNA Exosome at 3.1Å... Reveals Substrate Specificities, RNA Paths, and Allosteric Inhibition of Rrp44/Dis3. <i>Molecular Cell</i> , 2016, 64, 734-745.	4.5	84
260	<i>Trichomonas</i> . , 2016, , 115-155.		1
261	Loss-of-function mutations in the RNA biogenesis factor <i>NAF1</i> predispose to pulmonary fibrosisâ€œemphysema. <i>Science Translational Medicine</i> , 2016, 8, 351ra107.	5.8	168
262	Sirt1 AS lncRNA interacts with its mRNA to inhibit muscle formation by attenuating function of miR-34a. <i>Scientific Reports</i> , 2016, 6, 21865.	1.6	109

#	ARTICLE	IF	CITATIONS
263	Long non-coding RNAs (lncRNAs) in skeletal and cardiac muscle: potential therapeutic and diagnostic targets?. <i>Clinical Science</i> , 2016, 130, 2245-2256.	1.8	24
264	RNA-DNA Triplex Formation by Long Noncoding RNAs. <i>Cell Chemical Biology</i> , 2016, 23, 1325-1333.	2.5	183
265	Theophylline controllable RNAi-based genetic switches regulate expression of lncRNA TINCR and malignant phenotypes in bladder cancer cells. <i>Scientific Reports</i> , 2016, 6, 30798.	1.6	40
266	Integrating Epigenomics into the Understanding of Biomedical Insight. <i>Bioinformatics and Biology Insights</i> , 2016, 10, BBI.S38427.	1.0	22
267	The Role of Non-coding RNA in the Control of Vascular Contractility and Disease. , 2016, , 239-262.		0
268	Tracking single mRNA molecules in live cells. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 233001.	1.3	3
269	Theoretical Analysis of a Self-Replicator With Reduced Template Inhibition Based on an Informational Leaving Group. <i>Journal of Molecular Evolution</i> , 2016, 82, 93-109.	0.8	2
270	RNA therapeutics – The potential treatment for myocardial infarction. <i>Regenerative Therapy</i> , 2016, 4, 83-91.	1.4	5
271	Viroids: –living fossils– of primordial RNAs?. <i>Biology Direct</i> , 2016, 11, 15.	1.9	38
272	RNA –Information Warfare–™ in Pathogenic and Mutualistic Interactions. <i>Trends in Plant Science</i> , 2016, 21, 738-748.	4.3	42
273	The second decade of 3C technologies: detailed insights into nuclear organization. <i>Genes and Development</i> , 2016, 30, 1357-1382.	2.7	320
274	RNA as a fundamental component of interphase chromosomes: could repeats prove key?. <i>Current Opinion in Genetics and Development</i> , 2016, 37, 137-147.	1.5	30
275	Chemo-enzymatic labeling for rapid assignment of RNA molecules. <i>Methods</i> , 2016, 103, 11-17.	1.9	13
276	Genomic structure and expression of the human serotonin 2A receptor gene (HTR2A) locus: identification of novel HTR2A and antisense (HTR2A-AS1) exons. <i>BMC Genetics</i> , 2016, 17, 16.	2.7	26
277	Nutritional Epigenetics and the Prevention of Hepatocellular Carcinoma with Bioactive Food Constituents. <i>Nutrition and Cancer</i> , 2016, 68, 719-733.	0.9	19
278	From the RNA world to the clinic. <i>Science</i> , 2016, 352, 1417-1420.	6.0	225
279	Covalent and non-covalent binding of metal complexes to RNA. <i>Journal of Inorganic Biochemistry</i> , 2016, 163, 278-291.	1.5	32
280	Long noncoding RNAs: Central to nervous system development. <i>International Journal of Developmental Neuroscience</i> , 2016, 55, 109-116.	0.7	34

#	ARTICLE	IF	CITATIONS
281	The "busy life" of unliganded estrogen receptors. <i>Proteomics</i> , 2016, 16, 288-300.	1.3	26
282	Nanostructures from Synthetic Genetic Polymers. <i>ChemBioChem</i> , 2016, 17, 1107-1110.	1.3	57
283	Architectural RNAs (arcRNAs): A class of long noncoding RNAs that function as the scaffold of nuclear bodies. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 139-146.	0.9	142
284	A Two-Way Street: Regulatory Interplay between RNA Polymerase and Nascent RNA Structure. <i>Trends in Biochemical Sciences</i> , 2016, 41, 293-310.	3.7	113
285	DNA, RNA Chemical Properties (Including Sequencing and Next-Generation Sequencing). , 2016, , 24-35.		1
286	Long noncoding RNA <i>UPAT</i> promotes colon tumorigenesis by inhibiting degradation of UHRF1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1273-1278.	3.3	133
287	Mini-review: emerging roles of microRNAs in the pathophysiology of renal diseases. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F109-F118.	1.3	79
288	The role of microRNAs in the development and progression of chemical-associated cancers. <i>Toxicology and Applied Pharmacology</i> , 2016, 312, 3-10.	1.3	20
289	Translating RNA sequencing into clinical diagnostics: opportunities and challenges. <i>Nature Reviews Genetics</i> , 2016, 17, 257-271.	7.7	558
290	Applications of Deep Learning in Biomedicine. <i>Molecular Pharmaceutics</i> , 2016, 13, 1445-1454.	2.3	535
291	Controlling Allosteric Networks in Proteins. <i>Chemical Reviews</i> , 2016, 116, 6463-6487.	23.0	207
292	Decreased miR-198 expression and its prognostic significance in human gastric cancer. <i>World Journal of Surgical Oncology</i> , 2016, 14, 33.	0.8	23
293	Biochemical Methods To Investigate lncRNA and the Influence of lncRNA:Protein Complexes on Chromatin. <i>Biochemistry</i> , 2016, 55, 1615-1630.	1.2	48
294	What is an RNA? A top layer for RNA classification. <i>RNA Biology</i> , 2016, 13, 140-144.	1.5	33
295	Noncoding RNAs: Regulators of the Mammalian Transcription Machinery. <i>Journal of Molecular Biology</i> , 2016, 428, 2652-2659.	2.0	40
296	Enhancers as non-coding RNA transcription units: recent insights and future perspectives. <i>Nature Reviews Genetics</i> , 2016, 17, 207-223.	7.7	614
297	RNA-Based Technologies. , 2016, , 131-179.		3
298	MicroRNA: A new therapeutic strategy for cardiovascular diseases. <i>Trends in Cardiovascular Medicine</i> , 2016, 26, 407-419.	2.3	98

#	ARTICLE	IF	CITATIONS
299	MicroRNAs in Platelet Physiology and Function. <i>Seminars in Thrombosis and Hemostasis</i> , 2016, 42, 215-222.	1.5	36
300	Breast cancer stem cells programs: enter the (non)-code. <i>Briefings in Functional Genomics</i> , 2016, 15, 186-199.	1.3	6
301	HBXIP and LSD1 Scaffolded by lncRNA Hotair Mediate Transcriptional Activation by c-Myc. <i>Cancer Research</i> , 2016, 76, 293-304.	0.4	121
302	Mechanisms of Post-transcriptional Gene Regulation. , 2016, , 1-36.		0
303	Uncovering the roles of long noncoding RNAs in neural development and glioma progression. <i>Neuroscience Letters</i> , 2016, 625, 70-79.	1.0	57
304	Emerging Frontiers in Drug Delivery. <i>Journal of the American Chemical Society</i> , 2016, 138, 704-717.	6.6	776
305	The solution structural ensembles of RNA kink-turn motifs and their protein complexes. <i>Nature Chemical Biology</i> , 2016, 12, 146-152.	3.9	37
306	An assessment of molecular pathways of obesity susceptible to nutrient, toxicant and genetically induced epigenetic perturbation. <i>Journal of Nutritional Biochemistry</i> , 2016, 30, 1-13.	1.9	17
307	Vesicle-associated microRNAs are released from blood cells on incubation of blood samples. <i>Translational Research</i> , 2016, 169, 40-46.	2.2	15
308	Progress and Current Challenges in Modeling Large RNAs. <i>Journal of Molecular Biology</i> , 2016, 428, 736-747.	2.0	23
309	Long noncoding RNAs in viral infections. <i>Virus Research</i> , 2016, 212, 1-11.	1.1	91
310	Roles of competing endogenous RNAs in gastric cancer. <i>Briefings in Functional Genomics</i> , 2016, 15, 266-273.	1.3	18
311	Towards structural classification of long non-coding RNAs. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 41-45.	0.9	29
312	Translation in the mammalian oocyte in space and time. <i>Cell and Tissue Research</i> , 2016, 363, 69-84.	1.5	39
313	Insight into lncRNA biology using hybridization capture analyses. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 121-127.	0.9	26
314	HCV infection, IFN response and the coding and non-coding host cell genome. <i>Virus Research</i> , 2016, 212, 85-102.	1.1	15
315	Post-Transcriptional Gene Regulation. <i>Methods in Molecular Biology</i> , 2016, 1358, v-viii.	0.4	3
316	Long noncoding RNAs: Re-writing dogmas of RNA processing and stability. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 128-138.	0.9	182

#	ARTICLE	IF	CITATIONS
317	New insights into the expression and functions of the Kaposi's sarcoma-associated herpesvirus long noncoding PAN RNA. <i>Virus Research</i> , 2016, 212, 53-63.	1.1	47
318	Readthrough transcription: How are DoGs made and what do they do?. <i>RNA Biology</i> , 2017, 14, 632-636.	1.5	37
319	Transposable elements (<sc>TE</sc>s) contribute to stress-related long intergenic noncoding <sc>RNA</sc>s in plants. <i>Plant Journal</i> , 2017, 90, 133-146.	2.8	116
320	Smoking status regulates a novel panel of PIWI-interacting RNAs in head and neck squamous cell carcinoma. <i>Oral Oncology</i> , 2017, 65, 68-75.	0.8	25
321	Epigenetic aspects of rheumatoid arthritis: contribution of non-coding RNAs. <i>Seminars in Arthritis and Rheumatism</i> , 2017, 46, 724-731.	1.6	28
322	Understanding Human Autoimmunity and Autoinflammation Through Transcriptomics. <i>Annual Review of Immunology</i> , 2017, 35, 337-370.	9.5	69
323	RNA modifications and structures cooperate to guide RNA-protein interactions. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 202-210.	16.1	225
324	MicroRNAs and Periodontal Homeostasis. <i>Journal of Dental Research</i> , 2017, 96, 491-500.	2.5	58
325	Analysis of distinct long noncoding <sc>RNA</sc> transcriptional fingerprints in pancreatic ductal adenocarcinoma. <i>Cancer Medicine</i> , 2017, 6, 673-680.	1.3	46
326	Non-coding RNAs in cardiac hypertrophy. <i>Journal of Physiology</i> , 2017, 595, 4037-4050.	1.3	24
327	miR-634 is a Pol III-dependent intronic microRNA regulating alternative-polyadenylated isoforms of its host gene PRKCA. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1046-1056.	1.1	7
328	Shortcuts to a functional adipose tissue: The role of small non-coding RNAs. <i>Redox Biology</i> , 2017, 12, 82-102.	3.9	70
329	Genome-wide primary transcriptome analysis of H ₂ -producing archaeon <i>Thermococcus onnurineus</i> NA1. <i>Scientific Reports</i> , 2017, 7, 43044.	1.6	32
330	Long noncoding RNAs: Unexplored players in the drug response of the sea louse <i>Caligus rogercresseyi</i> . <i>Agri Gene</i> , 2017, 4, 1-7.	1.9	7
331	The RNA-binding protein QKI5 regulates primary miR-124-1 processing via a distal RNA motif during erythropoiesis. <i>Cell Research</i> , 2017, 27, 416-439.	5.7	38
332	<sc>PRC</sc>2 is dispensable for <i><sc>HOTAIR</sc></i>-mediated transcriptional repression. <i>EMBO Journal</i> , 2017, 36, 981-994.	3.5	146
333	Improved method for soluble expression and rapid purification of yeast TFIIA. <i>Protein Expression and Purification</i> , 2017, 133, 50-56.	0.6	5
334	RNA-based recognition and targeting: sowing the seeds of specificity. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 215-228.	16.1	167

#	ARTICLE	IF	CITATIONS
335	Resolving Subcellular miRNA Trafficking and Turnover at Single-Molecule Resolution. <i>Cell Reports</i> , 2017, 19, 630-642.	2.9	74
336	Non-coding RNA in hepatocellular carcinoma: Mechanisms, biomarkers and therapeutic targets. <i>Journal of Hepatology</i> , 2017, 67, 603-618.	1.8	292
337	Competitive endogenous RNA network: potential implication for systemic lupus erythematosus. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 639-648.	1.5	67
338	Small regulatory bacterial RNAs regulating the envelope stress response. <i>Biochemical Society Transactions</i> , 2017, 45, 417-425.	1.6	31
339	Emerging roles for ncRNAs in alcohol use disorders. <i>Alcohol</i> , 2017, 60, 31-39.	0.8	39
340	Small non coding RNAs in adipocyte biology and obesity. <i>Molecular and Cellular Endocrinology</i> , 2017, 456, 87-94.	1.6	25
341	A long non-coding RNA lncRNA-PE promotes invasion and epithelial to mesenchymal transition in hepatocellular carcinoma through the miR-200a/b-ZEB1 pathway. <i>Tumor Biology</i> , 2017, 39, 101042831770575.	0.8	9
342	RNA metabolism in neurodegenerative disease. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 509-518.	1.2	102
343	Conservation, Divergence, and Abundance of MiRNAs and Their Effect in Plants. <i>RNA Technologies</i> , 2017, , 1-22.	0.2	4
344	Plant Epigenetics: Non-coding RNAs as Emerging Regulators. <i>RNA Technologies</i> , 2017, , 129-147.	0.2	0
345	The emergence of noncoding RNAs as Heracles in autophagy. <i>Autophagy</i> , 2017, 13, 1004-1024.	4.3	85
346	Sabotaging of the oxidative stress response by an oncogenic noncoding RNA. <i>FASEB Journal</i> , 2017, 31, 482-490.	0.2	9
347	The EGLN-HIF O ₂ -Sensing System: Multiple Inputs and Feedbacks. <i>Molecular Cell</i> , 2017, 66, 772-779.	4.5	192
348	Methodologies for studying the spliceosome's RNA dynamics with single-molecule FRET. <i>Methods</i> , 2017, 125, 45-54.	1.9	11
350	Long Noncoding RNAs in the Pathogenesis of Barrett's Esophagus and Esophageal Carcinoma. <i>Gastroenterology</i> , 2017, 153, 27-34.	0.6	45
351	Alzheimer's Disease and ncRNAs. <i>Advances in Experimental Medicine and Biology</i> , 2017, 978, 337-361.	0.8	64
352	Kaposi's sarcoma-associated herpesvirus polyadenylated nuclear RNA: a structural scaffold for nuclear, cytoplasmic and viral proteins. <i>Nucleic Acids Research</i> , 2017, 45, 6805-6821.	6.5	46
353	Long Noncoding RNA CPS1-IT1 Suppresses Cell Proliferation and Metastasis in Human Lung Cancer. <i>Oncology Research</i> , 2017, 25, 373-380.	0.6	30

#	ARTICLE	IF	CITATIONS
354	lncRNA HULC promotes the growth of hepatocellular carcinoma cells via stabilizing COX-2 protein. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 693-699.	1.0	55
355	N-BLR, a primate-specific non-coding transcript leads to colorectal cancer invasion and migration. <i>Genome Biology</i> , 2017, 18, 98.	3.8	97
356	RCAS: an RNA centric annotation system for transcriptome-wide regions of interest. <i>Nucleic Acids Research</i> , 2017, 45, e91-e91.	6.5	23
357	A Fluorescent Split Aptamer for Visualizing RNA-RNA Assembly <i>In Vivo</i> . <i>ACS Synthetic Biology</i> , 2017, 6, 1710-1721.	1.9	97
358	Genome-wide mapping of infection-induced SINE RNAs reveals a role in selective mRNA export. <i>Nucleic Acids Research</i> , 2017, 45, 6194-6208.	6.5	42
359	Critical effects of epigenetic regulation in pulmonary arterial hypertension. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3789-3808.	2.4	12
360	Epigenetics in the Primary Biliary Cholangitis and Primary Sclerosing Cholangitis. <i>Seminars in Liver Disease</i> , 2017, 37, 159-174.	1.8	26
361	Wanted DEAD/H or Alive: Helicases Winding Up in Cancers. <i>Journal of the National Cancer Institute</i> , 2017, 109, djw278.	3.0	79
362	Ion channelopathies associated genetic variants as the culprit for sudden unexplained death. <i>Forensic Science International</i> , 2017, 275, 128-137.	1.3	8
363	GRO-seq, A Tool for Identification of Transcripts Regulating Gene Expression. <i>Methods in Molecular Biology</i> , 2017, 1543, 45-55.	0.4	31
364	RNA Structure: Advances and Assessment of 3D Structure Prediction. <i>Annual Review of Biophysics</i> , 2017, 46, 483-503.	4.5	166
365	In the shadow: The emerging role of long non-coding RNAs in the immune response of Atlantic salmon. <i>Developmental and Comparative Immunology</i> , 2017, 73, 193-205.	1.0	49
366	A phosphorylation-wide sncRNA screen reveals Protein Functional Effector sncRNAs (pfeRNAs) in human lung somatic cells. <i>Cancer Letters</i> , 2017, 396, 85-93.	3.2	5
368	Computational prediction of functional abortive RNA in <i>E. coli</i> . <i>Genomics</i> , 2017, 109, 196-203.	1.3	0
369	Noncoding RNAs in Platelet Biology. , 2017, , 239-252.		2
370	Gene expression profiling in the human alcoholic brain. <i>Neuropharmacology</i> , 2017, 122, 161-174.	2.0	48
371	Nucleic acids: function and potential for abiogenesis. <i>Quarterly Reviews of Biophysics</i> , 2017, 50, e4.	2.4	53
372	Integrated structural biology to unravel molecular mechanisms of protein-RNA recognition. <i>Methods</i> , 2017, 118-119, 119-136.	1.9	49

#	ARTICLE	IF	CITATIONS
373	Linking deregulation of non-coding RNA to the core pathophysiology of Alzheimer's disease: An integrative review. <i>Progress in Neurobiology</i> , 2017, 156, 1-68.	2.8	112
374	Amiloride as a new RNA-binding scaffold with activity against HIV-1 TAR. <i>MedChemComm</i> , 2017, 8, 1022-1036.	3.5	60
375	Two regulatory RNA elements affect T _B -dependent depolarization and persister formation. <i>Molecular Microbiology</i> , 2017, 103, 1020-1033.	1.2	69
376	Revisiting GNRA and UNCG folds: U-turns versus Z-turns in RNA hairpin loops. <i>Rna</i> , 2017, 23, 259-269.	1.6	35
377	Expression of the Antisense-to-Latency Transcript Long Noncoding RNA in Kaposi's Sarcoma-Associated Herpesvirus. <i>Journal of Virology</i> , 2017, 91, .	1.5	31
378	Small Molecule-Based Pattern Recognition To Classify RNA Structure. <i>Journal of the American Chemical Society</i> , 2017, 139, 409-416.	6.6	47
379	Peripheral blood circular RNA hsa_circ_0124644 can be used as a diagnostic biomarker of coronary artery disease. <i>Scientific Reports</i> , 2017, 7, 39918.	1.6	199
380	YM500v3: a database for small RNA sequencing in human cancer research. <i>Nucleic Acids Research</i> , 2017, 45, D925-D931.	6.5	48
381	UVA and UVB Induce Different Sets of Long Noncoding RNAs. <i>Journal of Investigative Dermatology</i> , 2017, 137, 769-772.	0.3	7
382	Global analysis of ribosome-associated noncoding RNAs unveils new modes of translational regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10018-E10027.	3.3	168
383	Pervasive Transcription of Mitochondrial, Plastid, and Nucleomorph Genomes across Diverse Plastid-Bearing Species. <i>Genome Biology and Evolution</i> , 2017, 9, 2650-2657.	1.1	25
384	A Macro View of MicroRNAs: The Discovery of MicroRNAs and Their Role in Hematopoiesis and Hematologic Disease. <i>International Review of Cell and Molecular Biology</i> , 2017, 334, 99-175.	1.6	58
386	Holistic and Affordable Analyses of MicroRNA Expression Profiles Using Tagged cDNA Libraries and a Multiplex Sequencing Strategy. <i>Methods in Molecular Biology</i> , 2017, 1654, 179-196.	0.4	4
387	How do lncRNAs regulate transcription?. <i>Science Advances</i> , 2017, 3, eaao2110.	4.7	542
388	Translation of noncoding RNAs: Focus on lncRNAs, pri-miRNAs, and circRNAs. <i>Experimental Cell Research</i> , 2017, 361, 1-8.	1.2	97
389	lncRNA MIR100HG-derived miR-100 and miR-125b mediate cetuximab resistance via Wnt/ β ² -catenin signaling. <i>Nature Medicine</i> , 2017, 23, 1331-1341.	15.2	352
390	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.	0.8	7
391	PLncPRO for prediction of long non-coding RNAs (lncRNAs) in plants and its application for discovery of abiotic stress-responsive lncRNAs in rice and chickpea. <i>Nucleic Acids Research</i> , 2017, 45, e183-e183.	6.5	93

#	ARTICLE	IF	CITATIONS
392	Determination of the Genome and Primary Transcriptome of Syngas Fermenting Eubacterium limosum ATCC8486. Scientific Reports, 2017, 7, 13694.	1.6	44
393	Quantitative tests of a reconstitution model for RNA folding thermodynamics and kinetics. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7688-E7696.	3.3	17
394	The long noncoding RNA Malat1: Its physiological and pathophysiological functions. RNA Biology, 2017, 14, 1705-1714.	1.5	383
395	Chromatin-associated noncoding <scp>RNAs</scp> in development and inheritance. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1435.	3.2	10
397	Long Non Coding RNA Biology. Advances in Experimental Medicine and Biology, 2017, , .	0.8	18
398	Cis- and trans-acting lncRNAs in pluripotency and reprogramming. Current Opinion in Genetics and Development, 2017, 46, 170-178.	1.5	139
399	Spinocerebellar ataxia: miRNAs expose biological pathways underlying pervasive Purkinje cell degeneration. Neurobiology of Disease, 2017, 108, 148-158.	2.1	4
400	A proteomic atlas of insulin signalling reveals tissue-specific mechanisms of longevity assurance. Molecular Systems Biology, 2017, 13, 939.	3.2	42
401	Lnc <scp>RNA</scp> â€œ<scp>PAGBC</scp> acts as a micro <scp>RNA</scp> sponge and promotes gallbladder tumorigenesis. EMBO Reports, 2017, 18, 1837-1853.	2.0	202
402	Noncoding RNAs in Polycomb and Trithorax Regulation: A Quantitative Perspective. Annual Review of Genetics, 2017, 51, 385-411.	3.2	34
403	Sequence-specific and Selective Recognition of Double-stranded RNAs over Single-stranded RNAs by Chemically Modified Peptide Nucleic Acids. Journal of Visualized Experiments, 2017, , .	0.2	10
404	Modeling RNA Secondary Structure with Sequence Comparison and Experimental Mapping Data. Biophysical Journal, 2017, 113, 330-338.	0.2	14
405	â€œLncâ€™ing Wnt in female reproductive cancers: therapeutic potential of long non-coding RNAs in Wnt signalling. British Journal of Pharmacology, 2017, 174, 4684-4700.	2.7	62
406	Ribonucleoprotein purification and characterization using RNA Mango. Rna, 2017, 23, 1592-1599.	1.6	24
407	On the Origin of lncRNAs: Missing Link Found. Trends in Genetics, 2017, 33, 660-662.	2.9	24
408	In Search of Lost Small Peptides. Annual Review of Cell and Developmental Biology, 2017, 33, 391-416.	4.0	97
409	Hsa-circRNA11783-2 in peripheral blood is correlated with coronary artery disease and type 2 diabetes mellitus. Diabetes and Vascular Disease Research, 2017, 14, 510-515.	0.9	58
410	Angiogenesis, Invasion, and Metastasis Characteristics of Hepatocellular Carcinoma. Journal of Gastrointestinal Cancer, 2017, 48, 256-259.	0.6	10

#	ARTICLE	IF	CITATIONS
411	Switches in Dicer Activity During Oogenesis and Early Development. Results and Problems in Cell Differentiation, 2017, 63, 325-351.	0.2	0
412	Animal Models to Study MicroRNA Function. Advances in Cancer Research, 2017, 135, 53-118.	1.9	53
413	Technological Developments in lncRNA Biology. Advances in Experimental Medicine and Biology, 2017, 1008, 283-323.	0.8	296
414	From Heterochromatin to Long Noncoding RNAs in Drosophila: Expanding the Arena of Gene Function and Regulation. Advances in Experimental Medicine and Biology, 2017, 1008, 75-118.	0.8	12
415	Are there any HOTTIPs for defining coding potential of lncRNAs, or just a lot of HOTAIR?. Epigenomics, 2017, 9, 1045-1047.	1.0	0
416	Rational Modular RNA Engineering Based on <i>In Vivo</i> Profiling of Structural Accessibility. ACS Synthetic Biology, 2017, 6, 2228-2240.	1.9	15
417	Notch Signaling in Development, Tissue Homeostasis, and Disease. Physiological Reviews, 2017, 97, 1235-1294.	13.1	658
418	Two genetic codes: Repetitive syntax for active non-coding RNAs; non-repetitive syntax for the DNA archives. Communicative and Integrative Biology, 2017, 10, e1297352.	0.6	14
419	Characterization of noncoding regulatory DNA in the human genome. Nature Biotechnology, 2017, 35, 732-746.	9.4	79
420	Sensing the impact of environment on small molecule differentiation of RNA sequences. Chemical Communications, 2017, 53, 13363-13366.	2.2	16
421	lncRna CPS1-IT1 Suppresses Cell Proliferation, Invasion and Metastasis in Colorectal Cancer. Cellular Physiology and Biochemistry, 2017, 44, 567-580.	1.1	68
422	Identification of 16q21 as a modifier of nonsyndromic orofacial cleft phenotypes. Genetic Epidemiology, 2017, 41, 887-897.	0.6	24
423	Signaling and epigenetic mechanisms of intestinal stem cells and progenitors: insight into crypt homeostasis, plasticity, and niches. Wiley Interdisciplinary Reviews: Developmental Biology, 2017, 6, e281.	5.9	16
424	lnc-ing inflammation to disease. Biochemical Society Transactions, 2017, 45, 953-962.	1.6	15
425	Independent channels for miRNA biosynthesis ensure efficient static and dynamic control in the regulation of the early stages of myogenesis. Journal of Theoretical Biology, 2017, 430, 53-63.	0.8	2
426	Developing a Fluorescent Toolbox To Shed Light on the Mysteries of RNA. Biochemistry, 2017, 56, 5185-5193.	1.2	13
427	Roles of Non-coding RNAs During Herpesvirus Infection. Current Topics in Microbiology and Immunology, 2017, 419, 243-280.	0.7	18
428	Pervasive Behavioral Effects of MicroRNA Regulation in <i>Drosophila</i> . Genetics, 2017, 206, 1535-1548.	1.2	27

#	ARTICLE	IF	CITATIONS
429	Senescence-associated microRNAs target cell cycle regulatory genes in normal human lung fibroblasts. <i>Experimental Gerontology</i> , 2017, 96, 110-122.	1.2	50
430	Cooperative RNA Folding under Cellular Conditions Arises From Both Tertiary Structure Stabilization and Secondary Structure Destabilization. <i>Biochemistry</i> , 2017, 56, 3422-3433.	1.2	41
431	Sequence-Based Prediction of RNA-Binding Residues in Proteins. <i>Methods in Molecular Biology</i> , 2017, 1484, 205-235.	0.4	9
432	Role of non-coding RNA transcription around gene regulatory elements in transcription factor recruitment. <i>RNA Biology</i> , 2017, 14, 1-5.	1.5	46
433	Prediction of Protein Secondary Structure. <i>Methods in Molecular Biology</i> , 2017, , .	0.4	9
434	Direct identification of base-paired RNA nucleotides by correlated chemical probing. <i>Rna</i> , 2017, 23, 6-13.	1.6	31
435	Extracellular <sc>RNA</sc> in aging. <i>Wiley Interdisciplinary Reviews RNA</i> , 2017, 8, e1385.	3.2	25
436	Circular RNAs: Unexpected outputs of many protein-coding genes. <i>RNA Biology</i> , 2017, 14, 1007-1017.	1.5	111
437	Knockdown of Nuclear-Located Enhancer RNAs and Long ncRNAs Using Locked Nucleic Acid GapmeRs. <i>Methods in Molecular Biology</i> , 2017, 1468, 11-18.	0.4	19
438	Mechanistic study of base-pairing small regulatory RNAs in bacteria. <i>Methods</i> , 2017, 117, 67-76.	1.9	19
439	Evolutionary clues in <sc>lncRNAs</sc>. <i>Wiley Interdisciplinary Reviews RNA</i> , 2017, 8, e1376.	3.2	60
440	Leveraging Physiology for Precision Drug Delivery. <i>Physiological Reviews</i> , 2017, 97, 189-225.	13.1	125
441	Analysis of primary microRNA loci from nascent transcriptomes reveals regulatory domains governed by chromatin architecture. <i>Nucleic Acids Research</i> , 2017, 45, 9837-9849.	6.5	42
442	Genetic approaches to neurodegenerative disease. , 0, , 57-76.		0
443	Distributed biotinâ€“streptavidin transcription roadblocks for mapping cotranscriptional RNA folding. <i>Nucleic Acids Research</i> , 2017, 45, e109-e109.	6.5	38
444	The nuclear and organellar tRNA-derived RNA fragment population in <i>Arabidopsis thaliana</i> is highly dynamic. <i>Nucleic Acids Research</i> , 2017, 45, 3460-3472.	6.5	93
445	MicroRNA-335-5p is a potential suppressor of metastasis and invasion in gastric cancer. <i>Clinical Epigenetics</i> , 2017, 9, 114.	1.8	68
446	Discovery of new RNA classes and global RNA-binding proteins. <i>Current Opinion in Microbiology</i> , 2017, 39, 152-160.	2.3	46

#	ARTICLE	IF	CITATIONS
447	Effect of Constitutive miR164 Expression on Plant Morphology and Fruit Development in Arabidopsis and Tomato. <i>Agronomy</i> , 2017, 7, 48.	1.3	23
448	Role of lncRNAs as Novel Biomarkers and Therapeutic Targets in Ovarian Cancer. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2017, 27, 183-195.	0.4	31
449	Non-coding RNA Contribution to Thoracic and Abdominal Aortic Aneurysm Disease Development and Progression. <i>Frontiers in Physiology</i> , 2017, 8, 429.	1.3	56
450	Survey of High Throughput RNA-Seq Data Reveals Potential Roles for lncRNAs during Development and Stress Response in Bread Wheat. <i>Frontiers in Plant Science</i> , 2017, 8, 1019.	1.7	111
451	Disorders of Sex Development in Males: Molecular Genetics, Epigenetics, Gender Identity, and Cognition. , 2017, , 59-103.		1
452	Epstein-Barr Virus-Associated Gastric Carcinoma: The Americas™ Perspective. , 2017, , .		2
453	Design of Artificial Riboswitches as Biosensors. <i>Sensors</i> , 2017, 17, 1990.	2.1	50
454	Epigenetic Alterations in Human Papillomavirus-Associated Cancers. <i>Viruses</i> , 2017, 9, 248.	1.5	75
455	The Dark Side of the Epitranscriptome: Chemical Modifications in Long Non-Coding RNAs. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2387.	1.8	101
456	Essentials of miRNA-dependent Control of mRNA Translation and decay, miRNA Targeting Principles, and Methods for Target Identification. , 2017, , 19-38.		1
457	Mechanistic Insight into Long Noncoding RNAs and the Placenta. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1371.	1.8	57
458	Techniques for Genome-Wide Expression Analysis of Noncoding RNA. , 2017, , 153-165.		0
459	A Long Journey Ahead: Long Non-coding RNAs in Bacterial Infections. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 95.	1.8	71
460	Long Non-Coding RNAs: Emerging and Versatile Regulators in Host-Virus Interactions. <i>Frontiers in Immunology</i> , 2017, 8, 1663.	2.2	33
461	Long Non-coding RNAs in Hepatitis C Virus-Infected Cells. <i>Frontiers in Microbiology</i> , 2017, 8, 1833.	1.5	17
462	Pivotal Impacts of Retrotransposon Based Invasive RNAs on Evolution. <i>Frontiers in Microbiology</i> , 2017, 8, 1957.	1.5	4
463	microRNAs and Acute Myeloid Leukemia Chemoresistance: A Mechanistic Overview. <i>Frontiers in Oncology</i> , 2017, 7, 255.	1.3	61
464	Advantages of whole-genome sequencing for identification of tumor etiology and clinically actionable genomic aberrations: lessons from the Australian Melanoma Genome Project. <i>Melanoma Management</i> , 2017, 4, 147-149.	0.1	1

#	ARTICLE	IF	CITATIONS
465	Long non-coding RNAs in Colorectal Cancer: Progression and Future Directions. <i>Journal of Cancer</i> , 2017, 8, 3212-3225.	1.2	60
466	Eukaryotic RNA Processing. , 2017, , 189-207.		1
467	Long non-coding RNA CCAT2 is associated with poor prognosis in hepatocellular carcinoma and promotes tumor metastasis by regulating Snail2-mediated epithelial–mesenchymal transition. <i>Oncotargets and Therapy</i> , 2017, Volume 10, 1191-1198.	1.0	42
468	EINCR1 is an EGF inducible lincRNA overexpressed in lung adenocarcinomas. <i>PLoS ONE</i> , 2017, 12, e0181902.	1.1	5
469	Clinical Epigenetics of Lung Cancer. , 2017, , 97-133.		3
470	Base pair probability estimates improve the prediction accuracy of RNA non-canonical base pairs. <i>PLoS Computational Biology</i> , 2017, 13, e1005827.	1.5	27
471	Widespread activation of antisense transcription of the host genome during herpes simplex virus 1 infection. <i>Genome Biology</i> , 2017, 18, 209.	3.8	49
472	miR-200c suppresses endometriosis by targeting MALAT1 in vitro and in vivo. <i>Stem Cell Research and Therapy</i> , 2017, 8, 251.	2.4	91
473	Non-Coding RNA Roles in Ruminant Mammary Gland Development and Lactation. , 2017, , .		9
474	Structurally Interacting RNAs. , 2017, , .		0
475	Long noncoding RNA CCAT2 as a novel biomaker of metastasis and prognosis in human cancer: a meta-analysis. <i>Oncotarget</i> , 2017, 8, 75664-75674.	0.8	19
476	The Epigenetic Component in Cancer Evolution. , 2017, , 87-98.		2
477	Computational Methods for Modeling Aptamers and Designing Riboswitches. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2442.	1.8	32
478	Development and validation of nomogram based on lncRNA ZFAS1 for predicting survival in lymph node-negative esophageal squamous cell carcinoma patients. <i>Oncotarget</i> , 2017, 8, 59048-59057.	0.8	26
479	Selective alkylation of Tâ€“T mismatched DNA using vinyldiaminotriazineâ€“acridine conjugate. <i>Nucleic Acids Research</i> , 2018, 46, 1059-1068.	6.5	17
480	LncRNA HOTTIP promotes papillary thyroid carcinoma cell proliferation, invasion and migration by regulating miR-637. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 98, 1-9.	1.2	59
481	RNA Control by Photoreversible Acylation. <i>Journal of the American Chemical Society</i> , 2018, 140, 3491-3495.	6.6	60
482	Structural and functional analyses reveal the contributions of the C- and N-lobes of Argonaute protein to selectivity of RNA target cleavage. <i>Journal of Biological Chemistry</i> , 2018, 293, 6308-6325.	1.6	13

#	ARTICLE	IF	CITATIONS
483	Hypothalamic epigenetics driving female puberty. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12589.	1.2	41
484	Transcriptional Landscape and Regulatory Roles of Small Noncoding RNAs in the Oxidative Stress Response of the Haloarchaeon <i>Haloferax volcanii</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	48
485	The development of a sensitive fluorescent protein-based transcript reporter for high throughput screening of negative modulators of lncRNAs. <i>Genes and Diseases</i> , 2018, 5, 62-74.	1.5	18
486	New transcriptomic tools to understand testis development and functions. <i>Molecular and Cellular Endocrinology</i> , 2018, 468, 47-59.	1.6	14
487	Molecular Moirai: Long Noncoding RNA Mediators of HSC Fate. <i>Current Stem Cell Reports</i> , 2018, 4, 158-165.	0.7	4
488	Bioengineered Noncoding RNAs Selectively Change Cellular miRNome Profiles for Cancer Therapy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 365, 494-506.	1.3	46
489	Tapping the RNA world for therapeutics. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 357-364.	3.6	147
490	RNA-Targeted Therapeutics. <i>Cell Metabolism</i> , 2018, 27, 714-739.	7.2	556
491	Functional Interaction between Melatonin Signaling and Noncoding RNAs. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 435-445.	3.1	37
492	Epigenetic regulation in the tumorigenesis of MEN1-associated endocrine cell types. <i>Journal of Molecular Endocrinology</i> , 2018, 61, R13-R24.	1.1	16
493	Differential expression and prognostic value of long non-coding RNA in HPV-negative head and neck squamous cell carcinoma. <i>Head and Neck</i> , 2018, 40, 1555-1564.	0.9	28
494	Transcriptome-wide discovery of coding and noncoding RNA-binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3879-E3887.	3.3	138
495	<i>Applied RNA Bioscience</i> . , 2018, , .		1
496	Combinatorial Design of a Nanobody that Specifically Targets Structured RNAs. <i>Journal of Molecular Biology</i> , 2018, 430, 1652-1670.	2.0	11
497	Tumor-derived exosomal lnc-Sox2ot promotes EMT and stemness by acting as a ceRNA in pancreatic ductal adenocarcinoma. <i>Oncogene</i> , 2018, 37, 3822-3838.	2.6	220
498	mirRICH, a simple method to enrich the small RNA fraction from over-dried RNA pellets. <i>RNA Biology</i> , 2018, 15, 1-10.	1.5	7
499	Long Noncoding RNAs and Their Applications: Focus on Architectural RNA (arcRNA), a Class of lncRNA. , 2018, , 161-187.		2
500	Noncoding RNAs in Calcific Aortic Valve Disease: A Review of Recent Studies. <i>Journal of Cardiovascular Pharmacology</i> , 2018, 71, 317-323.	0.8	10

#	ARTICLE	IF	CITATIONS
501	Stable Intronic Sequence RNAs Engage in Feedback Loops. Trends in Genetics, 2018, 34, 330-332.	2.9	13
502	Statistical modeling of RNA structure profiling experiments enables parsimonious reconstruction of structure landscapes. Nature Communications, 2018, 9, 606.	5.8	46
503	Dysregulated Pseudogene <i>HK2P1</i> May Contribute to Preeclampsia as a Competing Endogenous RNA for Hexokinase 2 by Impairing Decidualization. Hypertension, 2018, 71, 648-658.	1.3	58
504	RNA Cloaking by Reversible Acylation. Angewandte Chemie, 2018, 130, 3113-3117.	1.6	9
505	Targetable long non-coding RNAs in cancer treatments. Cancer Letters, 2018, 418, 119-124.	3.2	72
506	A brave new world of RNA-binding proteins. Nature Reviews Molecular Cell Biology, 2018, 19, 327-341.	16.1	1,172
507	An unexpected RNA distal interaction mode found in an essential region of the hepatitis C virus genome. Nucleic Acids Research, 2018, 46, 4200-4212.	6.5	6
508	Mouse knockout models reveal largely dispensable but context-dependent functions of lncRNAs during development. Journal of Molecular Cell Biology, 2018, 10, 175-178.	1.5	48
509	RNA Cloaking by Reversible Acylation. Angewandte Chemie - International Edition, 2018, 57, 3059-3063.	7.2	51
510	AF119895 regulates NXF3 expression to promote migration and invasion of hepatocellular carcinoma through an interaction with miR-6508-3p. Experimental Cell Research, 2018, 363, 129-139.	1.2	3
511	Altered Long Non-Coding RNA Transcriptomic Profiles in Ischemic Stroke. Human Gene Therapy, 2018, 29, 719-732.	1.4	49
512	Long non-coding RNA H19 mediates mechanical tension-induced osteogenesis of bone marrow mesenchymal stem cells via FAK by sponging miR-138. Bone, 2018, 108, 62-70.	1.4	100
513	MicroRNAs as therapeutic targets for the treatment of diabetes mellitus and its complications. Expert Opinion on Therapeutic Targets, 2018, 22, 153-160.	1.5	71
514	Overexpression of the Long Noncoding RNA HomeoboxA Transcript at the Distal Tip Predicts Poor Prognosis in a KRAS-Independent Manner in Periampullary Region Tumors. Pancreas, 2018, 47, 213-220.	0.5	4
515	Statistical analysis of non-coding RNA data. Cancer Letters, 2018, 417, 161-167.	3.2	18
516	Expression and clinical role of long non-coding RNA in high-grade serous carcinoma. Gynecologic Oncology, 2018, 148, 559-566.	0.6	21
517	Design rules of synthetic non-coding RNAs in bacteria. Methods, 2018, 143, 58-69.	1.9	41
518	A FTH1 gene:pseudogene:miRNA network regulates tumorigenesis in prostate cancer. Nucleic Acids Research, 2018, 46, 1998-2011.	6.5	73

#	ARTICLE	IF	CITATIONS
519	In-cell RNA structure probing with SHAPE-MaP. <i>Nature Protocols</i> , 2018, 13, 1181-1195.	5.5	88
520	Synergistic SHAPE/Single-Molecule Deconvolution of RNA Conformation under Physiological Conditions. <i>Biophysical Journal</i> , 2018, 114, 1762-1775.	0.2	3
521	Germline Duplication of SNORA18L5 Increases Risk for HBV-related Hepatocellular Carcinoma by Altering Localization of Ribosomal Proteins and Decreasing Levels of p53. <i>Gastroenterology</i> , 2018, 155, 542-556.	0.6	75
522	In the Beginning was a Mutualism - On the Origin of Translation. <i>Origins of Life and Evolution of Biospheres</i> , 2018, 48, 223-243.	0.8	24
523	Clinical significance of microRNA-449a in hepatocellular carcinoma with microarray data mining together with initial bioinformatics analysis. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 3247-3258.	0.8	2
524	New Frontiers in Mining Complex Patterns. <i>Lecture Notes in Computer Science</i> , 2018, , .	1.0	0
525	Pervasive Regulatory Functions of mRNA Structure Revealed by High-Resolution SHAPE Probing. <i>Cell</i> , 2018, 173, 181-195.e18.	13.5	216
526	Extracellular Vesicle RNA: A Universal Mediator of Microbial Communication?. <i>Trends in Microbiology</i> , 2018, 26, 401-410.	3.5	162
527	Expression of lncRNA MIR222HG co-transcribed from the miR-221/222 gene promoter facilitates the development of castration-resistant prostate cancer. <i>Oncogenesis</i> , 2018, 7, 30.	2.1	31
528	Modeling RNA secondary structure folding ensembles using SHAPE mapping data. <i>Nucleic Acids Research</i> , 2018, 46, 314-323.	6.5	72
529	Bottom-up approaches in synthetic biology and biomaterials for tissue engineering applications. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 599-614.	1.4	15
530	Long noncoding RNAs in lipid metabolism. <i>Current Opinion in Lipidology</i> , 2018, 29, 224-232.	1.2	46
531	A guide to large-scale RNA sample preparation. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3239-3252.	1.9	57
532	Voluntary Physical Exercise Induces Expression and Epigenetic Remodeling of VegfA in the Rat Hippocampus. <i>Molecular Neurobiology</i> , 2018, 55, 567-582.	1.9	35
533	Emerging roles of long non-coding RNAs in plant response to biotic and abiotic stresses. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 93-105.	5.1	100
534	Recent computational developments on CLIP-seq data analysis and microRNA targeting implications. <i>Briefings in Bioinformatics</i> , 2018, 19, 1290-1301.	3.2	25
535	Non-coding RNA regulation of T cell biology: Implications for age-associated cardiovascular diseases. <i>Experimental Gerontology</i> , 2018, 109, 38-46.	1.2	8
536	MicroRNAs: Roles in Regulating Neuroinflammation. <i>Neuroscientist</i> , 2018, 24, 221-245.	2.6	184

#	ARTICLE	IF	CITATIONS
537	Epigenetic regulation of gene expression in cancer: techniques, resources and analysis. Briefings in Functional Genomics, 2018, 17, 49-63.	1.3	111
538	Forging our understanding of lncRNAs in the brain. Cell and Tissue Research, 2018, 371, 55-71.	1.5	91
539	Genomes in Focus: Development and Applications of CRISPR-Cas9 Imaging Technologies. Angewandte Chemie - International Edition, 2018, 57, 4329-4337.	7.2	67
540	Integrated Proteomic and Transcriptomic Analysis Reveals Long Noncoding RNA HOX Transcript Antisense Intergenic RNA (HOTAIR) Promotes Hepatocellular Carcinoma Cell Proliferation by Regulating Opioid Growth Factor Receptor (OGFr). Molecular and Cellular Proteomics, 2018, 17, 146-159.	2.5	33
541	Roles of tRNA-derived fragments in human cancers. Cancer Letters, 2018, 414, 16-25.	3.2	105
542	Noncoding RNA Surveillance: The Ends Justify the Means. Chemical Reviews, 2018, 118, 4422-4447.	23.0	20
543	Variant snRNPs: New players within the spliceosome system. RNA Biology, 2018, 15, 17-25.	1.5	17
544	Redox Regulation and Noncoding RNAs. Antioxidants and Redox Signaling, 2018, 29, 793-812.	2.5	36
545	Understanding Epigenetic Effects of Endocrine Disrupting Chemicals: From Mechanisms to Novel Test Methods. Basic and Clinical Pharmacology and Toxicology, 2018, 122, 38-45.	1.2	86
546	Noncoding RNAs: New Players in Pulmonary Medicine and Sarcoidosis. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 147-156.	1.4	24
547	Cellular Biosensors with Engineered Genetic Circuits. ACS Sensors, 2018, 3, 13-26.	4.0	73
548	Bacterial Virulence Factors. , 2018, , 1-38.		8
549	MicroRNA-based therapeutics in cardiovascular disease: screening and delivery to the target. Biochemical Society Transactions, 2018, 46, 11-21.	1.6	115
550	Genome im Fokus: Entwicklung und Anwendungen von CRISPR-Cas9-Bildgebungstechnologien. Angewandte Chemie, 2018, 130, 4412-4420.	1.6	7
551	Physiological role of urothelial cancer-associated one long noncoding RNA in human skeletogenic cell differentiation. Journal of Cellular Physiology, 2018, 233, 4825-4840.	2.0	13
552	Role of hydroxyl groups in the B-ring of flavonoids in stabilization of the Hoogsteen paired third strand of Poly(U).Poly(A)*Poly(U) triplex. Archives of Biochemistry and Biophysics, 2018, 637, 9-20.	1.4	30
553	PARIS: Psoralen Analysis of RNA Interactions and Structures with High Throughput and Resolution. Methods in Molecular Biology, 2018, 1649, 59-84.	0.4	45
554	lncRNA-p21 inhibited the proliferation of osteosarcoma cells via the miR-130b/PTEN/AKT signaling pathway. Biomedicine and Pharmacotherapy, 2018, 97, 911-918.	2.5	33

#	ARTICLE	IF	CITATIONS
555	LncRNA-Regulated Autophagy and its Potential Role in Drug-induced Liver Injury. <i>Annals of Hepatology</i> , 2018, 17, 355-363.	0.6	15
556	Extensive screening of microRNA populations identifies hsa-miR-375 and hsa-miR-133a-3p as selective markers for human rectal and colon cancer. <i>Oncotarget</i> , 2018, 9, 27256-27267.	0.8	28
557	DNA und RNA "mehr als nur Trager der genetischen Information. <i>BioSpektrum</i> , 2018, 24, 368-371.	0.0	0
558	Non-coding RNA in cardiovascular disease: a general overview on microRNAs, long non-coding RNAs and circular RNAs. <i>Non-coding RNA Investigation</i> , 0, 2, 63-63.	0.6	6
560	Emerging role of long noncoding RNAs and circular RNAs in pancreatic β cells. <i>Non-coding RNA Investigation</i> , 2018, 2, 69-69.	0.6	6
561	The long non-coding RNA FLJ46906 binds to the transcription factors NF- κ B and AP-1 and regulates expression of aging-associated genes. <i>Aging</i> , 2018, 10, 2037-2050.	1.4	26
562	Distinct gene expression signatures induced by viral transactivators of different HTLV-1 subgroups that confer a different risk of HAM/TSP. <i>Retrovirology</i> , 2018, 15, 72.	0.9	16
563	Long non-coding RNA GClnc1 promotes tumorigenesis in osteosarcoma by inhibiting p53 signaling. <i>Biochemical and Biophysical Research Communications</i> , 2018, 507, 36-42.	1.0	13
564	RNA3DCNN: Local and global quality assessments of RNA 3D structures using 3D deep convolutional neural networks. <i>PLoS Computational Biology</i> , 2018, 14, e1006514.	1.5	55
565	Epigenetics and the Developmental Origins of Health and Disease. , 2018, , 118-136.		1
566	NEAT1 and paraspeckles in neurodegenerative diseases: A missing lnc found?. <i>Non-coding RNA Research</i> , 2018, 3, 243-252.	2.4	85
567	Epigenetic mechanisms and implications in tendon inflammation (Review). <i>International Journal of Molecular Medicine</i> , 2019, 43, 3-14.	1.8	10
568	Why Does RNA Collapse? The Importance of Water in a Simulation Study of Helix-Junction-Helix Systems. <i>Journal of the American Chemical Society</i> , 2018, 140, 16948-16951.	6.6	19
569	Long-Noncoding RNA Colorectal Neoplasia Differentially Expressed Gene as a Potential Target to Upregulate the Expression of IRX5 by miR-136-5P to Promote Oncogenic Properties in Hepatocellular Carcinoma. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 2229-2248.	1.1	31
570	Genomes and Variants. , 2018, , 17-33.		0
571	circRNA meets gene amplification. <i>Non-coding RNA Investigation</i> , 2018, 2, 38-38.	0.6	2
572	Long Noncoding RNAs and Their Role in Oncogenesis. <i>Molecular Biology</i> , 2018, 52, 787-798.	0.4	9
573	TCDD Toxicity Mediated by Epigenetic Mechanisms. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4101.	1.8	51

#	ARTICLE	IF	CITATIONS
574	Overexpression of lncRNA EGFR-AS1 is associated with a poor prognosis and promotes chemotherapy resistance in non-small cell lung cancer. <i>International Journal of Oncology</i> , 2019, 54, 295-305.	1.4	12
575	Tumor suppressor PLZF regulated by lncRNA ANRIL suppresses proliferation and epithelial mesenchymal transformation of gastric cancer cells. <i>Oncology Reports</i> , 2019, 41, 1007-1018.	1.2	11
576	LINC01296/miR-26a/GALNT3 axis contributes to colorectal cancer progression by regulating O-glycosylated MUC1 via PI3K/AKT pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 316.	3.5	81
577	Exploring Heterocycle-Spermine Conjugates as Modulators of Oncogenic microRNAs Biogenesis. <i>ACS Omega</i> , 2018, 3, 16500-16508.	1.6	13
578	Downregulation of long non-coding RNA interacting protein 5 antisense RNA 1 inhibits breast cancer progression by targeting sex-determining region Y box 2 by microRNA-129 upregulation. <i>Cancer Science</i> , 2019, 110, 289-302.	1.7	52
579	Non-Coding RNAs in Breast Cancer: Intracellular and Intercellular Communication. <i>Non-coding RNA</i> , 2018, 4, 40.	1.3	110
580	Non-coding RNAs Function as Immune Regulators in Teleost Fish. <i>Frontiers in Immunology</i> , 2018, 9, 2801.	2.2	67
581	The RNA Base-Pairing Problem and Base-Pairing Solutions. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a034926.	2.3	31
582	Specific expression of lncRNA RP13-650J16.1 and TCONS_00023979 in prostate cancer. <i>Bioscience Reports</i> , 2018, 38, .	1.1	3
583	Editorial focus: entering into the non-coding RNA era. <i>Cellular and Molecular Biology Letters</i> , 2018, 23, 45.	2.7	38
584	Primary transcripts: From the discovery of RNA processing to current concepts of gene expression • Review. <i>Experimental Cell Research</i> , 2018, 373, 1-33.	1.2	25
585	Novel Roles of Non-Coding RNAs in Opioid Signaling and Cardioprotection. <i>Non-coding RNA</i> , 2018, 4, 22.	1.3	13
586	lncRNA HOTAIR mediates TGF- β 2-induced cell growth and epithelial-mesenchymal transition in human lens epithelial cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 1028-1037.	0.9	18
587	Thermal Response of Epigenetic Genes Informs Turtle Sex Determination with and without Sex Chromosomes. <i>Sexual Development</i> , 2018, 12, 308-319.	1.1	30
588	Water-Soluble Leaving Group Enables Hydrophobic Functionalization of RNA. <i>Organic Letters</i> , 2018, 20, 6587-6590.	2.4	7
589	Integrative genomic analysis reveals novel regulatory mechanisms of eyeless during <i>Drosophila</i> eye development. <i>Nucleic Acids Research</i> , 2018, 46, 11743-11758.	6.5	8
590	Potential Regulatory Roles of MicroRNAs and Long Noncoding RNAs in Anticancer Therapies. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 13, 233-243.	2.3	36
591	Single-Stranded Nucleic Acids Regulate TLR3/4/7 Activation through Interference with Clathrin-Mediated Endocytosis. <i>Scientific Reports</i> , 2018, 8, 15841.	1.6	12

#	ARTICLE	IF	CITATIONS
592	How the Conformations of an Internal Junction Contribute to Fold an RNA Domain. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11363-11372.	1.2	9
593	lncRNA Malat1 modulates the maturation process, cytokine secretion and apoptosis in airway epithelial cell-conditioned dendritic cells. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 3951-3958.	0.8	15
594	Submicrometer Nanospray Emitters Provide New Insights into the Mechanism of Cation Adduction to Anionic Oligonucleotides. <i>Analytical Chemistry</i> , 2018, 90, 13541-13548.	3.2	29
595	Long Non-coding RNAs: A New Regulatory Code for Osteoporosis. <i>Frontiers in Endocrinology</i> , 2018, 9, 587.	1.5	46
596	Epigenetics and Chromatin Remodeling. , 2018, , 557-591.		0
597	Molecules derived from tRNA and snoRNA: Entering the degradome pool. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 36-42.	2.5	19
598	Identification of circular RNAs hsa_circ_0044235 in peripheral blood as novel biomarkers for rheumatoid arthritis. <i>Clinical and Experimental Immunology</i> , 2018, 194, 118-124.	1.1	66
599	Functional classification of long non-coding RNAs by k-mer content. <i>Nature Genetics</i> , 2018, 50, 1474-1482.	9.4	198
600	Targeting the <sc>FOXM1</sc>-regulated long noncoding <sc>RNA TUG1</sc> in osteosarcoma. <i>Cancer Science</i> , 2018, 109, 3093-3104.	1.7	38
601	Metallo supramolecular cylinders inhibit HIV-1 TAR-TAT complex formation and viral replication in cellulose. <i>Scientific Reports</i> , 2018, 8, 13342.	1.6	23
602	Long Noncoding RNA Signatures Induced by Toll-Like Receptor 7 and Type I Interferon Signaling in Activated Human Plasmacytoid Dendritic Cells. <i>Journal of Interferon and Cytokine Research</i> , 2018, 38, 388-405.	0.5	9
603	PlaNC-TE: a comprehensive knowledgebase of non-coding RNAs and transposable elements in plants. Database: the <i>Journal of Biological Databases and Curation</i> , 2018, 2018, 1-7.	1.4	19
604	Decoding the LncRNA transcriptome of esophageal cancer: identification of clinically relevant LncRNAs. <i>Biomarkers in Medicine</i> , 2018, 12, 1083-1093.	0.6	6
605	A Lifelong Passion for All Things Ribonucleic. <i>Cell</i> , 2018, 175, 14-17.	13.5	95
606	Corylin Suppresses Hepatocellular Carcinoma Progression via the Inhibition of Epithelial-Mesenchymal Transition, Mediated by Long Noncoding RNA GAS5. <i>International Journal of Molecular Sciences</i> , 2018, 19, 380.	1.8	46
607	Distribution of ncRNAs expression across hypothalamic-pituitary-gonadal axis in <i>Capra hircus</i> . <i>BMC Genomics</i> , 2018, 19, 417.	1.2	11
608	Large Noncoding RNAs in Bacteria. , 2018, , 515-526.		3
609	Comparative analysis of long non-coding RNAs in Atlantic and Coho salmon reveals divergent transcriptome responses associated with immunity and tissue repair during sea lice infestation. <i>Developmental and Comparative Immunology</i> , 2018, 87, 36-50.	1.0	40

#	ARTICLE	IF	CITATIONS
610	Structure of Telomerase with Telomeric DNA. <i>Cell</i> , 2018, 173, 1179-1190.e13.	13.5	124
611	Revealing the distinct folding phases of an RNA three-helix junction. <i>Nucleic Acids Research</i> , 2018, 46, 7354-7365.	6.5	38
612	Plasma Circulating Extracellular RNAs in Left Ventricular Remodeling Post-Myocardial Infarction. <i>EBioMedicine</i> , 2018, 32, 172-181.	2.7	52
613	The Long Noncoding RNA Cancer Susceptibility 9 and RNA Binding Protein Heterogeneous Nuclear Ribonucleoprotein L Form a Complex and Coregulate Genes Linked to AKT Signaling. <i>Hepatology</i> , 2018, 68, 1817-1832.	3.6	110
614	Small Molecule Targeted Recruitment of a Nuclease to RNA. <i>Journal of the American Chemical Society</i> , 2018, 140, 6741-6744.	6.6	138
615	Identifying lncRNA-Disease Relationships via Heterogeneous Clustering. <i>Lecture Notes in Computer Science</i> , 2018, , 35-48.	1.0	9
616	An Evaluation of Function of Multicopy Noncoding RNAs in Mammals Using ENCODE/FANTOM Data and Comparative Genomics. <i>Molecular Biology and Evolution</i> , 2018, 35, 1451-1462.	3.5	5
617	High-density functional-RNA arrays as a versatile platform for studying RNA-based interactions. <i>Nucleic Acids Research</i> , 2018, 46, e86-e86.	6.5	11
618	The seekers: how epigenetic modifying enzymes find their hidden genomic targets in Arabidopsis. <i>Current Opinion in Plant Biology</i> , 2018, 45, 75-81.	3.5	32
619	Reconfigurable Nucleic Acid Materials for Cancer Therapy. <i>Nanomedicine and Nanotoxicology</i> , 2018, , 365-385.	0.1	0
620	Cross Talk Between Noncoding RNAs and DNA Methylation and Demethylation in Cancer. , 2018, , 311-328.		0
621	Generation of Drosophila sisRNAs by Independent Transcription from Cognate Introns. <i>IScience</i> , 2018, 4, 68-75.	1.9	18
622	Principles for targeting RNA with drug-like small molecules. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 547-558.	21.5	489
623	Chromatin-associated RNA sequencing (ChAR-seq) maps genome-wide RNA-to-DNA contacts. <i>ELife</i> , 2018, 7, .	2.8	121
624	Theoretical and Applied Aspects of Systems Biology. <i>Computational Biology</i> , 2018, , .	0.1	3
625	The multifaceted role of glutathione S-transferases in cancer. <i>Cancer Letters</i> , 2018, 433, 33-42.	3.2	150
626	A sisRNA/miRNA Axis Prevents Loss of Germline Stem Cells during Starvation in Drosophila. <i>Stem Cell Reports</i> , 2018, 11, 4-12.	2.3	11
627	Systems Immunology. <i>Computational Biology</i> , 2018, , 159-173.	0.1	2

#	ARTICLE	IF	CITATIONS
629	A genome-wide analysis of long noncoding RNA profile identifies differentially expressed lncRNAs associated with Esophageal cancer. <i>Cancer Medicine</i> , 2018, 7, 4181-4189.	1.3	28
630	System biology approach intersecting diet and cell metabolism with pathogenesis of brain disorders. <i>Progress in Neurobiology</i> , 2018, 169, 76-90.	2.8	11
631	Don't Kill the Messenger: Employing Genome Editing to Study Regulatory RNA Interactions. , 0, , 52-68.		0
632	Long non-coding RNA SNHG14 induces trastuzumab resistance of breast cancer via regulating PABPC1 expression through H3K27 acetylation. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4935-4947.	1.6	95
633	LET's sponge: How the lncRNA PFL promotes cardiac fibrosis. <i>Theranostics</i> , 2018, 8, 874-877.	4.6	15
634	High-throughput determination of RNA structures. <i>Nature Reviews Genetics</i> , 2018, 19, 615-634.	7.7	140
635	A Data Driven Model for Predicting RNA-Protein Interactions based on Gradient Boosting Machine. <i>Scientific Reports</i> , 2018, 8, 9552.	1.6	24
636	Dietary Modulation of the Epigenome. <i>Physiological Reviews</i> , 2018, 98, 667-695.	13.1	67
637	Upregulation of MIAT Regulates LOXL2 Expression by Competitively Binding MiR-29c in Clear Cell Renal Cell Carcinoma. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 1075-1087.	1.1	48
638	Harnessing the Therapeutic Potential of Long Non-coding RNAs in Immunity. , 0, , 414-420.		0
639	Intracellular Regulome Variability Along the Organ of Corti: Evidence, Approaches, Challenges, and Perspective. <i>Frontiers in Genetics</i> , 2018, 9, 156.	1.1	17
640	Random Matrix Analysis for Gene Interaction Networks in Cancer Cells. <i>Scientific Reports</i> , 2018, 8, 10607.	1.6	8
641	Methods for Using Small Non-Coding RNAs to Improve Recombinant Protein Expression in Mammalian Cells. <i>Genes</i> , 2018, 9, 25.	1.0	11
642	The Oncogenic Relevance of miR-17-92 Cluster and Its Paralogous miR-106b-25 and miR-106a-363 Clusters in Brain Tumors. <i>International Journal of Molecular Sciences</i> , 2018, 19, 879.	1.8	46
643	Non-Coding RNA in the Pathogenesis, Progression and Treatment of Hypertension. <i>International Journal of Molecular Sciences</i> , 2018, 19, 927.	1.8	42
644	MicroRNAs as Potential Mediators for Cigarette Smoking Induced Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1097.	1.8	25
645	Allelic RNA Motifs in Regulating Systemic Trafficking of Potato Spindle Tuber Viroid. <i>Viruses</i> , 2018, 10, 160.	1.5	15
646	Therapy of Infectious Diseases Using Epigenetic Approaches. , 2018, , 689-715.		2

#	ARTICLE	IF	CITATIONS
647	Noncoding RNA:RNA Regulatory Networks in Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1310.	1.8	830
648	Large Noncoding RNAs in Bacteria. <i>Microbiology Spectrum</i> , 2018, 6, .	1.2	39
649	Biological and Genetic Features of Neuroblastoma and Their Clinical Importance. <i>Current Pediatric Reviews</i> , 2018, 14, 73-90.	0.4	80
650	Increasing the length of poly-pyrimidine bulges broadens RNA conformational ensembles with minimal impact on stacking energetics. <i>Rna</i> , 2018, 24, 1363-1376.	1.6	13
651	Incorporating uracil and 5-halouracils into short peptide nucleic acids for enhanced recognition of Aâ€U pairs in dsRNAs. <i>Nucleic Acids Research</i> , 2018, 46, 7506-7521.	6.5	28
652	Cross-species inference of long non-coding RNAs greatly expands the ruminant transcriptome. <i>Genetics Selection Evolution</i> , 2018, 50, 20.	1.2	65
653	SPORTS1.0: A Tool for Annotating and Profiling Non-coding RNAs Optimized for rRNA- and tRNA-derived Small RNAs. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 144-151.	3.0	102
654	A compendium of long non-coding RNAs transcriptional fingerprint in multiple myeloma. <i>Scientific Reports</i> , 2018, 8, 6557.	1.6	34
655	Existence of Diverse Modifications in Smallâ€RNA Species Composed of 16â€28â€Nucleotides. <i>Chemistry - A European Journal</i> , 2018, 24, 9949-9956.	1.7	28
656	A Linc1405/Eomes Complex Promotes Cardiac Mesoderm Specification and Cardiogenesis. <i>Cell Stem Cell</i> , 2018, 22, 893-908.e6.	5.2	76
657	Targeting RNA in mammalian systems with small molecules. <i>Wiley Interdisciplinary Reviews RNA</i> , 2018, 9, e1477.	3.2	108
658	Distribution of micropeptide-coding sORFs in transcripts. <i>Chinese Chemical Letters</i> , 2018, 29, 1029-1032.	4.8	8
659	The dysregulation of tRNAs and tRNA derivatives in cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 101.	3.5	83
660	MiR-214 Regulates the Human Hair Follicle Stem Cell Proliferation and Differentiation by Targeting EZH2 and Wnt/Î²-Catenin Signaling Way In Vitro. <i>Tissue Engineering and Regenerative Medicine</i> , 2018, 15, 341-350.	1.6	59
661	The Non-Coding Regulatory RNA Revolution in Archaea. <i>Genes</i> , 2018, 9, 141.	1.0	41
662	Exploring genetic modifiers of Gaucher disease: The next horizon. <i>Human Mutation</i> , 2018, 39, 1739-1751.	1.1	46
663	mRNA-specific translation regulation by a ribosome-associated ncRNA in <i>Haloferax volcanii</i> . <i>Scientific Reports</i> , 2018, 8, 12502.	1.6	24
664	LncRNA uc003fir promotes CCL5 expression and negatively affects proliferation and migration of trophoblast cells in preeclampsia. <i>Pregnancy Hypertension</i> , 2018, 14, 90-96.	0.6	21

#	ARTICLE	IF	CITATIONS
665	Transcriptional regulation of osmotic stress tolerance in wheat (<i>Triticum aestivum</i> L.). <i>Plant Molecular Biology</i> , 2018, 97, 469-487.	2.0	67
666	Epitranscriptomic Code and Its Alterations in Human Disease. <i>Trends in Molecular Medicine</i> , 2018, 24, 886-903.	3.5	101
667	Non-Coding Transcriptome Maps across Twenty Tissues of the Korean Black Chicken, Yeonsan Ogye. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2359.	1.8	6
668	CircularRNA_104670 plays a critical role in intervertebral disc degeneration by functioning as a ceRNA. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-12.	3.2	69
669	Insights into the development of chemical probes for RNA. <i>Nucleic Acids Research</i> , 2018, 46, 8025-8037.	6.5	55
670	Non-Coding RNA Analysis Using the Rfam Database. <i>Current Protocols in Bioinformatics</i> , 2018, 62, e51.	25.8	309
671	Cellular conditions of weakly chelated magnesium ions strongly promote RNA stability and catalysis. <i>Nature Communications</i> , 2018, 9, 2149.	5.8	50
672	Epigenetics in Melanoma. , 2018, , 115-132.		0
673	Rheumatoid Arthritis and Epigenetics. , 2018, , 149-166.		3
674	Single-Molecule Mechanical Folding and Unfolding of RNA Hairpins: Effects of Single A-U to A-C Pair Substitutions and Single Proton Binding and Implications for mRNA Structure-Induced ~ 1 Ribosomal Frameshifting. <i>Journal of the American Chemical Society</i> , 2018, 140, 8172-8184.	6.6	22
675	Patient-derived tumor xenografts of lung squamous cell carcinoma alter long non-coding RNA profile but not responsiveness to cisplatin. <i>Oncology Letters</i> , 2018, 15, 8589-8603.	0.8	8
676	A second RNA-binding protein is essential for ethanol tolerance provided by the bacterial OLE ribonucleoprotein complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6319-E6328.	3.3	9
677	LncRNA TDRG1 enhances tumorigenicity in endometrial carcinoma by binding and targeting VEGF-A protein. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3013-3021.	1.8	50
678	Implementing precision cancer medicine in the genomic era. <i>Seminars in Cancer Biology</i> , 2019, 55, 16-27.	4.3	24
679	Molecular Determinants of Lung Morphogenesis. , 2019, , 26-39.e4.		4
680	A novel, noncoding-RNA-mediated, post-transcriptional mechanism of anti-Mullerian hormone regulation by the H19/let-7 axis. <i>Biology of Reproduction</i> , 2019, 100, 101-111.	1.2	22
681	Non-Coding RNA Pvt1 Promotes Cancer Stem Cell-Like Traits in Nasopharyngeal Cancer via Inhibiting miR-1207. <i>Pathology and Oncology Research</i> , 2019, 25, 1411-1422.	0.9	21
682	Identification of tRNA-Derived Fragments Expression Profile in Breast Cancer Tissues. <i>Current Genomics</i> , 2019, 20, 199-213.	0.7	29

#	ARTICLE	IF	CITATIONS
683	MicroRNA and LncRNA in the Vascular System. , 2019, , 149-158.		1
684	Characterization of novel small RNAs (sRNAs) contributing to the desiccation response of <i>Salmonella enterica</i> serovar Typhimurium. RNA Biology, 2019, 16, 1643-1657.	1.5	9
685	DUETT quantitatively identifies known and novel events in nascent RNA structural dynamics from chemical probing data. Bioinformatics, 2019, 35, 5103-5112.	1.8	4
686	Incorporating G-C Pair-Recognizing Guanidinium into PNAs for Sequence and Structure Specific Recognition of dsRNAs over dsDNAs and ssRNAs. Biochemistry, 2019, 58, 3777-3788.	1.2	12
687	Myocardial infarction associated transcript (MIAT) promotes papillary thyroid cancer progression via sponging miR-212. Biomedicine and Pharmacotherapy, 2019, 118, 109298.	2.5	22
688	Large-scale chromatin organisation in interphase, mitosis and meiosis. Biochemical Journal, 2019, 476, 2141-2156.	1.7	13
689	Differentially Expressed Long Noncoding RNAs in the Promoter Region of the fork head Gene in <i>Drosophila melanogaster</i> Detected by Northern Blot Hybridization. Molecular Biology, 2019, 53, 419-426.	0.4	1
690	Identification of Differentially Expressed miRNAs and mRNAs in Vestibular Schwannoma by Integrated Analysis. BioMed Research International, 2019, 2019, 1-10.	0.9	7
691	The estrogen-regulated lncRNA H19/miR-216a-5p axis alters stromal cell invasion and migration via ACTA2 in endometriosis. Molecular Human Reproduction, 2019, 25, 550-561.	1.3	61
692	Role of Long Noncoding RNAs and Circular RNAs in Nerve Regeneration. Frontiers in Molecular Neuroscience, 2019, 12, 165.	1.4	27
693	Single-Cell Omics: An Overview. , 2019, , 3-19.		4
694	Non-Coding RNAs and their Integrated Networks. Journal of Integrative Bioinformatics, 2019, 16, .	1.0	382
695	MiR-HCC2 Up-regulates BAMBI and ELMO1 Expression to Facilitate the Proliferation and EMT of Hepatocellular Carcinoma Cells. Journal of Cancer, 2019, 10, 3407-3419.	1.2	9
696	SHAPE Probing Reveals Human rRNAs Are Largely Unfolded in Solution. Biochemistry, 2019, 58, 3377-3385.	1.2	11
697	Differentiation and classification of RNA motifs using small molecule-based pattern recognition. Methods in Enzymology, 2019, 623, 101-130.	0.4	3
698	TUSC7 suppression of Notch activation through sponging MiR-146 recapitulated the asymmetric cell division in lung adenocarcinoma stem cells. Life Sciences, 2019, 232, 116630.	2.0	22
699	Spotting, Transcription and In Situ Synthesis: Three Routes for the Fabrication of RNA Microarrays. Computational and Structural Biotechnology Journal, 2019, 17, 862-868.	1.9	10
700	A hidden human proteome encoded by non-coding genes. Nucleic Acids Research, 2019, 47, 8111-8125.	6.5	110

#	ARTICLE	IF	CITATIONS
701	Terbium ion as RNA tag for slide-free pathology with deep-ultraviolet excitation fluorescence. <i>Scientific Reports</i> , 2019, 9, 10745.	1.6	5
702	Roles and Regulation of Long Noncoding RNAs in Hepatocellular Carcinoma. <i>Cancer Research</i> , 2019, 79, 5131-5139.	0.4	149
703	Long noncoding RNA DLEU1 aggravates glioma progression via the miR-421/MEF2D axis. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 5405-5414.	1.0	24
704	Epigenetic Effects of Polybrominated Diphenyl Ethers on Human Health. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2703.	1.2	38
705	Mechanisms explaining the efficacy of psoralidin in cancer and osteoporosis, a review. <i>Pharmacological Research</i> , 2019, 147, 104334.	3.1	27
706	Integrated Whole Transcriptome Profiling and Bioinformatics Analysis for Revealing Regulatory Pathways Associated With Quercetin-Induced Apoptosis in HCT-116 Cells. <i>Frontiers in Pharmacology</i> , 2019, 10, 798.	1.6	31
707	The Convergence of Stem Cell Technologies and Phenotypic Drug Discovery. <i>Cell Chemical Biology</i> , 2019, 26, 1050-1066.	2.5	31
708	Genome-wide discovery and characterization of long noncoding RNAs in patients with multiple myeloma. <i>BMC Medical Genomics</i> , 2019, 12, 135.	0.7	5
709	Landscape of Noncoding RNA in Prostate Cancer. <i>Trends in Genetics</i> , 2019, 35, 840-851.	2.9	114
710	R-BIND: An Interactive Database for Exploring and Developing RNA-Targeted Chemical Probes. <i>ACS Chemical Biology</i> , 2019, 14, 2691-2700.	1.6	57
711	Functional Genomics of the Retina to Elucidate its Construction and Deconstruction. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4922.	1.8	7
712	Transcriptome Analysis Identifies Piwi-Interacting RNAs as Prognostic Markers for Recurrence of Prostate Cancer. <i>Frontiers in Genetics</i> , 2019, 10, 1018.	1.1	12
713	The Genomic Code: A Pervasive Encoding/Molding of Chromatin Structures and a Solution of the "Non-Coding DNA" Mystery. <i>BioEssays</i> , 2019, 41, 1900106.	1.2	9
714	Aptamers as Modular Components of Therapeutic Nucleic Acid Nanotechnology. <i>ACS Nano</i> , 2019, 13, 12301-12321.	7.3	102
715	MicroRNA 3113-5p is a novel marker for early cardiac ischemia/reperfusion injury. <i>Diagnostic Pathology</i> , 2019, 14, 121.	0.9	9
716	Alternative role of noncoding RNAs: coding and noncoding properties. <i>Journal of Zhejiang University: Science B</i> , 2019, 20, 920-927.	1.3	1
717	<p>Long Non-Coding RNA STARD13-AS Suppresses Cell Proliferation And Metastasis In Colorectal Cancer</p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 9309-9318.	1.0	8
718	Solid-Phase Chemical Synthesis of Stable Isotope-Labeled RNA to Aid Structure and Dynamics Studies by NMR Spectroscopy. <i>Molecules</i> , 2019, 24, 3476.	1.7	13

#	ARTICLE	IF	CITATIONS
719	Transgenerational epigenetic inheritance: from phenomena to molecular mechanisms. <i>Current Opinion in Neurobiology</i> , 2019, 59, 189-206.	2.0	57
720	The prognostic value of long noncoding RNA SNHG16 on clinical outcomes in human cancers: a systematic review and meta-analysis. <i>Cancer Cell International</i> , 2019, 19, 261.	1.8	20
721	The emerging role of microRNAs and long noncoding RNAs in drug resistance of hepatocellular carcinoma. <i>Molecular Cancer</i> , 2019, 18, 147.	7.9	249
722	Elevated serum lncRNA TUG1 levels are a potential diagnostic biomarker of multiple myeloma. <i>Experimental Hematology</i> , 2019, 79, 47-55.e2.	0.2	27
723	RNA 3D structure prediction guided by independent folding of homologous sequences. <i>BMC Bioinformatics</i> , 2019, 20, 512.	1.2	21
724	Structural Biology of Telomerase. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a032383.	2.3	43
725	Prognostic lncRNA-based risk model predicts survival time of patients with head and neck squamous cell carcinoma. <i>Oncology Letters</i> , 2019, 18, 3304-3316.	0.8	15
726	Oral Delivery of miRNA With Lipidic Aminoglycoside Derivatives in the Breastfed Rat. <i>Frontiers in Physiology</i> , 2019, 10, 1037.	1.3	9
727	Epigenetics of the Synapse in Neurodegeneration. <i>Current Neurology and Neuroscience Reports</i> , 2019, 19, 72.	2.0	19
728	Decrypting noncoding RNA interactions, structures, and functional networks. <i>Genome Research</i> , 2019, 29, 1377-1388.	2.4	93
729	Function and mechanism of long non-coding RNA Gm21284 in the development of hippocampal cholinergic neurons. <i>Cell and Bioscience</i> , 2019, 9, 72.	2.1	9
730	lncRNA NONHSAT113026 represses renal cell carcinoma tumorigenesis through interacting with NF- κ B/p50 and SLUG. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109382.	2.5	8
731	Diagnostic markers for glaucoma: a patent and literature review (2013-2019). <i>Expert Opinion on Therapeutic Patents</i> , 2019, 29, 829-839.	2.4	18
732	Non-Coding RNAs in Pediatric Solid Tumors. <i>Frontiers in Genetics</i> , 2019, 10, 798.	1.1	13
733	Role of non-coding RNA in pancreatic cancer (Review). <i>Oncology Letters</i> , 2019, 18, 3963-3973.	0.8	46
734	Nanomechanics and co-transcriptional folding of Spinach and Mango. <i>Nature Communications</i> , 2019, 10, 4318.	5.8	19
735	The Epigenetics of Aging in Invertebrates. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4535.	1.8	15
736	Long noncoding RNA MIR31HG is activated by SP1 and promotes cell migration and invasion by sponging miR-214 in NSCLC. <i>Gene</i> , 2019, 692, 223-230.	1.0	48

#	ARTICLE	IF	CITATIONS
737	The Role of MicroRNAs in Spinocerebellar Ataxia Type 3. <i>Journal of Molecular Biology</i> , 2019, 431, 1729-1742.	2.0	9
738	In-depth analysis of the genome of <i>Trypanosoma evansi</i> , an etiologic agent of surra. <i>Science China Life Sciences</i> , 2019, 62, 406-419.	2.3	9
739	Analyzing the Interactions of mRNAs and ncRNAs to Predict Competing Endogenous RNA Networks in Osteosarcoma Chemo-Resistance. <i>Molecular Therapy</i> , 2019, 27, 518-530.	3.7	157
740	Circular RNA 100146 functions as an oncogene through direct binding to miR-361-3p and miR-615-5p in non-small cell lung cancer. <i>Molecular Cancer</i> , 2019, 18, 13.	7.9	203
741	A LINC00341-mediated regulatory pathway supports chondrocyte survival and may prevent osteoarthritis progression. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 10812-10820.	1.2	11
742	Computational modeling of RNA 3D structure based on experimental data. <i>Bioscience Reports</i> , 2019, 39, .	1.1	42
743	New insight into the role of long non-coding RNAs in the pathogenesis of preeclampsia. <i>Hypertension in Pregnancy</i> , 2019, 38, 41-51.	0.5	23
744	<p>LncRNA SNHG16 drives proliferation and invasion of papillary thyroid cancer through modulation of miR-497</p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 699-708.	1.0	28
745	Progress and Challenges for Live-cell Imaging of Genomic Loci Using CRISPR-based Platforms. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 119-128.	3.0	69
746	FOXK transcription factors: Regulation and critical role in cancer. <i>Cancer Letters</i> , 2019, 458, 1-12.	3.2	41
747	Genes for sexual body size dimorphism in hybrid tilapia (<i>Oreochromis sp. x Oreochromis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 342 Td (1.2	5
748	Long noncoding RNA AC073284.4 suppresses epithelial-to-mesenchymal transition by sponging miR-18b-5p in paclitaxel-resistant breast cancer cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 23202-23215.	2.0	39
749	Ligand-observed NMR techniques to probe RNA-small molecule interactions. <i>Methods in Enzymology</i> , 2019, 623, 131-149.	0.4	8
750	Dynamic ensemble of HIV-1 RRE stem IIB reveals non-native conformations that disrupt the Rev-binding site. <i>Nucleic Acids Research</i> , 2019, 47, 7105-7117.	6.5	31
751	Genome-wide profiling of long noncoding RNA expression patterns and CeRNA analysis in mouse cortical neurons infected with different strains of borna disease virus. <i>Genes and Diseases</i> , 2019, 6, 147-158.	1.5	6
752	The roles of structural dynamics in the cellular functions of RNAs. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 474-489.	16.1	322
753	Chemical Modifications and Their Role in Long Non-coding RNAs. , 2019, , 35-63.		0
754	Long non-coding RNAs in the spinal cord injury: Novel spotlight. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 4883-4890.	1.6	20

#	ARTICLE	IF	CITATIONS
755	Epigenetic processes in Alzheimer's disease. , 2019, , 153-180.		5
756	MÃ¡s allÃ¡ de las molÃ©culas...lo que los clÃnicos desconocen: Acortando brechas. Revista Universitas Medica, 2019, 60, 1-25.	0.0	0
757	In silico survey of the central conserved regions in viroids of the <i>Pospiviroidae</i> family for conserved asymmetric loop structures. Rna, 2019, 25, 985-1003.	1.6	5
758	MIR17HG-miR-18a/19a axis, regulated by interferon regulatory factor-1, promotes gastric cancer metastasis via Wnt/ β -catenin signalling. Cell Death and Disease, 2019, 10, 454.	2.7	47
759	Specialized eRpL22 paralogue-specific ribosomes regulate specific mRNA translation in spermatogenesis in <i>Drosophila melanogaster</i>. Molecular Biology of the Cell, 2019, 30, 2240-2253.	0.9	28
760	Increasing Upstream Chromatin Long-Range Interactions May Favor Induction of Circular RNAs in LysoPC-Activated Human Aortic Endothelial Cells. Frontiers in Physiology, 2019, 10, 433.	1.3	30
761	Introduction: Special Issue on Transplacental/Transgenerational Mutagenesis and Carcinogenesis. Environmental and Molecular Mutagenesis, 2019, 60, 392-394.	0.9	0
762	RNA-ALIS: Methodology for screening soluble RNAs as small molecule targets using ALIS affinity-selection mass spectrometry. Methods, 2019, 167, 28-38.	1.9	19
763	The regulatory ZFAS1/miR-150/ST6GAL1 crosstalk modulates sialylation of EGFR via PI3K/Akt pathway in T-cell acute lymphoblastic leukemia. Journal of Experimental and Clinical Cancer Research, 2019, 38, 199.	3.5	40
764	Ultrasensitive detection of long non-coding RNAs based on duplex-specific nuclease-actuated cyclic enzymatic repairing-mediated signal amplification. Chemical Communications, 2019, 55, 6827-6830.	2.2	17
765	Establishing essential quality criteria for the validation of circular RNAs as biomarkers. Biomolecular Detection and Quantification, 2019, 17, 100085.	7.0	11
766	Epididymal small non-coding <sc>RNA</sc> studies: progress over the past decade. Andrology, 2019, 7, 681-689.	1.9	18
767	Non-Coding RNA Networks in ALK-Positive Anaplastic-Large Cell Lymphoma. International Journal of Molecular Sciences, 2019, 20, 2150.	1.8	11
768	Face-time with TAR: Portraits of an HIV-1 RNA with diverse modes of effector recognition relevant for drug discovery. Journal of Biological Chemistry, 2019, 294, 9326-9341.	1.6	34
769	Transcriptional profiling of long noncoding RNAs and their target transcripts in ovarian cortical tissues from women with normal menstrual cycles and primary ovarian insufficiency. Molecular Reproduction and Development, 2019, 86, 847-861.	1.0	22
770	Development of a ribonuclease containing a G4-specific binding motif for programmable RNA cleavage. Scientific Reports, 2019, 9, 7432.	1.6	9
771	Estimating Strengths of Individual Hydrogen Bonds in RNA Base Pairs: Toward a Consensus between Different Computational Approaches. ACS Omega, 2019, 4, 7354-7368.	1.6	21
772	LncRNA TRERNA1 facilitates hepatocellular carcinoma metastasis by dimethylating H3K9 in the CDH1 promoter region via the recruitment of the EHMT2/SNAI1 complex. Cell Proliferation, 2019, 52, e12621.	2.4	21

#	ARTICLE	IF	CITATIONS
773	P-TEFb Regulates Transcriptional Activation in Non-coding RNA Genes. <i>Frontiers in Genetics</i> , 2019, 10, 342.	1.1	12
774	Extracellular Vesicles and Carried miRNAs in the Progression of Renal Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1832.	1.8	38
775	Ai-lncRNA EGOT enhancing autophagy sensitizes paclitaxel cytotoxicity via upregulation of ITPR1 expression by RNA-RNA and RNA-protein interactions in human cancer. <i>Molecular Cancer</i> , 2019, 18, 89.	7.9	95
776	Small non-coding RNAs as important players, biomarkers and therapeutic targets in multiple sclerosis: A comprehensive overview. <i>Journal of Autoimmunity</i> , 2019, 101, 17-25.	3.0	58
777	Long non-coding RNAs in placental development and disease. <i>Non-coding RNA Investigation</i> , 0, 3, 14-14.	0.6	18
778	Identification of lncRNA α 155 encoded by MIR155HG as a novel regulator of innate immunity against influenza A virus infection. <i>Cellular Microbiology</i> , 2019, 21, e13036.	1.1	65
779	Catching the complexity of salmon-louse interactions. <i>Fish and Shellfish Immunology</i> , 2019, 90, 199-209.	1.6	14
780	Understanding the Contributions of Conformational Changes, Thermodynamics, and Kinetics of RNA-Small Molecule Interactions. <i>ACS Chemical Biology</i> , 2019, 14, 824-838.	1.6	29
781	Idiosyncrasies of Viral Noncoding RNAs Provide Insights into Host Cell Biology. <i>Annual Review of Virology</i> , 2019, 6, 297-317.	3.0	20
782	The NCATS BioPlanet – An Integrated Platform for Exploring the Universe of Cellular Signaling Pathways for Toxicology, Systems Biology, and Chemical Genomics. <i>Frontiers in Pharmacology</i> , 2019, 10, 445.	1.6	179
783	Epigenetic Regulations in Neuropsychiatric Disorders. <i>Frontiers in Genetics</i> , 2019, 10, 268.	1.1	116
784	Non-Coding RNAs as New Therapeutic Targets in the Context of Renal Fibrosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1977.	1.8	23
785	Long non-coding RNAs as regulators of Wnt/ β 2 catenin pathway. <i>Gene Reports</i> , 2019, 16, 100404.	0.4	1
786	Combined Nucleotide and Protein Extractions in <i>Caenorhabditis elegans</i> . <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	5
787	Epigenetic changes during aging and their reprogramming potential. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2019, 54, 61-83.	2.3	176
788	Long non-coding RNAs in vascular biology and disease. <i>Vascular Pharmacology</i> , 2019, 114, 13-22.	1.0	50
789	Intergenerational Effects of Alcohol: A Review of Paternal Preconception Ethanol Exposure Studies and Epigenetic Mechanisms in the Male Germline. <i>Alcoholism: Clinical and Experimental Research</i> , 2019, 43, 1032-1045.	1.4	45
790	CircSERPINE2 protects against osteoarthritis by targeting miR-1271 and ETS-related gene. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 826-836.	0.5	207

#	ARTICLE	IF	CITATIONS
791	The long noncoding <i>RNA</i> <i>ROCK1</i> regulates inflammatory gene expression. <i>EMBO Journal</i> , 2019, 38, .	3.5	76
792	Cytoplasmic nucleic acid-based XNAs directly enhance live cardiac cell function by a Ca ²⁺ cycling-independent mechanism via the sarcomere. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 130, 1-9.	0.9	1
793	The Growing Development of DNA Nanostructures for Potential Healthcare-Related Applications. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801546.	3.9	60
794	Visualizing RNA Conformational Changes via Pattern Recognition of RNA by Small Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 5692-5698.	6.6	18
795	That is life: communicating RNA networks from viruses and cells in continuous interaction. <i>Annals of the New York Academy of Sciences</i> , 2019, 1447, 5-20.	1.8	22
796	Understanding the mechanistic basis of non-coding RNA through molecular dynamics simulations. <i>Journal of Structural Biology</i> , 2019, 206, 267-279.	1.3	37
797	LncRNAs: genetic and epigenetic effects in plants. <i>Biotechnology and Biotechnological Equipment</i> , 2019, 33, 429-439.	0.5	28
798	Sequence- And Structure-Specific Probing of RNAs by Short Nucleobase-Modified dsRNA-Binding PNAs Incorporating a Fluorescent Light-up Uracil Analog. <i>Analytical Chemistry</i> , 2019, 91, 5331-5338.	3.2	20
799	Downregulation of Long Non-coding RNA FALEC Inhibits Gastric Cancer Cell Migration and Invasion Through Impairing ECM1 Expression by Exerting Its Enhancer-Like Function. <i>Frontiers in Genetics</i> , 2019, 10, 255.	1.1	19
800	Analysis of Interaction Between Long Noncoding RNAs and Protein by RNA Immunoprecipitation in Arabidopsis. <i>Methods in Molecular Biology</i> , 2019, 1933, 289-295.	0.4	5
801	LncRNA: Shedding light on mechanisms and opportunities in fibrosis and aging. <i>Ageing Research Reviews</i> , 2019, 52, 17-31.	5.0	139
802	IncRedibly versatile: biochemical and biological functions of long noncoding RNAs. <i>Biochemical Journal</i> , 2019, 476, 1083-1104.	1.7	26
803	The Functions of Non-coding RNAs in rRNA Regulation. <i>Frontiers in Genetics</i> , 2019, 10, 290.	1.1	33
804	Unveiling the druggable RNA targets and small molecule therapeutics. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2149-2165.	1.4	39
805	Tracking RNA structures as RNAs transit through the cell. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 256-257.	3.6	3
806	Synthetic ligands for PreQ1 riboswitches provide structural and mechanistic insights into targeting RNA tertiary structure. <i>Nature Communications</i> , 2019, 10, 1501.	5.8	66
807	Probing RNA structure and interaction dynamics at the single molecule level. <i>Methods</i> , 2019, 162-163, 3-11.	1.9	15
808	The Involvement of Long Noncoding RNAs in Response to Plant Stress. <i>Methods in Molecular Biology</i> , 2019, 1933, 151-171.	0.4	15

#	ARTICLE	IF	CITATIONS
809	The Long Non-Coding RNA lep-5 Promotes the Juvenile-to-Adult Transition by Destabilizing LIN-28. <i>Developmental Cell</i> , 2019, 49, 542-555.e9.	3.1	13
810	Rosiglitazone Inhibits Activation of Hepatic Stellate Cells via Up-Regulating Micro-RNA-124-3p to Alleviate Hepatic Fibrosis. <i>Digestive Diseases and Sciences</i> , 2019, 64, 1560-1570.	1.1	24
811	Epigenetic Risk Profile of Diabetic Kidney Disease in High-Risk Populations. <i>Current Diabetes Reports</i> , 2019, 19, 9.	1.7	8
812	Drug Design of "Undruggable" Targets. <i>Chinese Journal of Chemistry</i> , 2019, 37, 501-512.	2.6	8
813	Genomic evidence of Y chromosome microchimerism in the endometrium during endometriosis and in cases of infertility. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 22.	1.4	29
814	Long Non-Coding RNAs in the Regulation of Gene Expression: Physiology and Disease. <i>Non-coding RNA</i> , 2019, 5, 17.	1.3	441
815	Analysis of long non-coding RNA and mRNA expression in bovine macrophages brings up novel aspects of <i>Mycobacterium avium</i> subspecies paratuberculosis infections. <i>Scientific Reports</i> , 2019, 9, 1571.	1.6	24
816	The Opening of Pandora's Box: An Emerging Role of Long Noncoding RNA in Viral Infections. <i>Frontiers in Immunology</i> , 2018, 9, 3138.	2.2	42
817	RREB1-induced upregulation of the lncRNA AGAP2-AS1 regulates the proliferation and migration of pancreatic cancer partly through suppressing ANKRD1 and ANGPTL4. <i>Cell Death and Disease</i> , 2019, 10, 207.	2.7	86
818	Cold-Dependent Expression and Alternative Splicing of Arabidopsis Long Non-coding RNAs. <i>Frontiers in Plant Science</i> , 2019, 10, 235.	1.7	70
819	Chromatin-Associated RNA Sequencing (ChAR-seq). <i>Current Protocols in Molecular Biology</i> , 2019, 126, e87.	2.9	7
820	<i>Helicobacter pylori</i> -induced DNA Methylation as an Epigenetic Modulator of Gastric Cancer: Recent Outcomes and Future Direction. <i>Pathogens</i> , 2019, 8, 23.	1.2	47
821	Current RNA-based Therapeutics in Clinical Trials. <i>Current Gene Therapy</i> , 2019, 19, 172-196.	0.9	82
822	Long Noncoding RNAs in Osteosarcoma: Mechanisms and Potential Clinical Implications. , 0, , .		1
823	Small Noncoding RNA Expression in Cancer. , 2019, , .		1
824	DIANA-LncBase v3: indexing experimentally supported miRNA targets on non-coding transcripts. <i>Nucleic Acids Research</i> , 2020, 48, D101-D110.	6.5	137
825	RNA base-pairing complexity in living cells visualized by correlated chemical probing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24574-24582.	3.3	69
826	Transcriptome Sequencing to Detect the Potential Role of Long Noncoding RNAs in Salt-Sensitive Hypertensive Rats. <i>BioMed Research International</i> , 2019, 2019, 1-9.	0.9	7

#	ARTICLE	IF	CITATIONS
827	Fast and accurate microRNA search using CNN. <i>BMC Bioinformatics</i> , 2019, 20, 646.	1.2	8
828	<p>Current Understanding of Circular RNAs in Gastric Cancer</p>. <i>Cancer Management and Research</i> , 2019, Volume 11, 10509-10521.	0.9	14
829	Non-coding RNAs in cancers with chromosomal rearrangements: the signatures, causes, functions and implications. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 886-898.	1.5	10
830	Driving factors in amiloride recognition of HIV RNA targets. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9313-9320.	1.5	20
831	LncRNA-LET inhibits cell growth of clear cell renal cell carcinoma by regulating miR-373-3p. <i>Cancer Cell International</i> , 2019, 19, 311.	1.8	19
832	An Aptitude for Altitude: Are Epigenomic Processes Involved?. <i>Frontiers in Physiology</i> , 2019, 10, 1397.	1.3	4
833	Molecular aspects of medicine – Editorial 2019. <i>Molecular Aspects of Medicine</i> , 2019, 70, 1-2.	2.7	2
834	Increased expression of long non-coding RNA CCAT2 predicts poorer prognosis in patients with hepatocellular carcinoma. <i>Medicine (United States)</i> , 2019, 98, e17412.	0.4	13
835	Long Non-coding RNA LINC-PINT Suppresses Cell Proliferation and Migration of Melanoma via Recruiting EZH2. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 350.	1.8	44
836	Editorial focus: understanding off-target effects as the key to successful RNAi therapy. <i>Cellular and Molecular Biology Letters</i> , 2019, 24, 69.	2.7	85
837	Comparing biological information contained in mRNA and non-coding RNAs for classification of lung cancer patients. <i>BMC Cancer</i> , 2019, 19, 1176.	1.1	14
838	Peptides encoded by noncoding genes: challenges and perspectives. <i>Signal Transduction and Targeted Therapy</i> , 2019, 4, 57.	7.1	22
839	<p>Linc00511 Indicates A Poor Prognosis Of Liver Hepatocellular Carcinoma</p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 9367-9376.	1.0	11
840	The influence of paternal diet on snRNA-mediated epigenetic inheritance. <i>Molecular Genetics and Genomics</i> , 2019, 294, 1-11.	1.0	38
841	The long non-coding RNA LncHDAC2 drives the self-renewal of liver cancer stem cells via activation of Hedgehog signaling. <i>Journal of Hepatology</i> , 2019, 70, 918-929.	1.8	93
842	Chromatin Stability as a Target for Cancer Treatment. <i>BioEssays</i> , 2019, 41, e1800141.	1.2	26
843	m6A modification of non-coding RNA and the control of mammalian gene expression. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 310-318.	0.9	132
844	A Competing Endogenous RNA Network Reveals Novel Potential lncRNA, miRNA, and mRNA Biomarkers in the Prognosis of Human Colon Adenocarcinoma. <i>Journal of Surgical Research</i> , 2019, 235, 22-33.	0.8	47

#	ARTICLE	IF	CITATIONS
845	Single-cell RNA-Seq analysis identifies a noncoding interleukin 4 (IL-4) RNA that post-transcriptionally up-regulates IL-4 production in T helper cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 290-298.	1.6	4
846	LncRNA NEAT1 promotes the tumorigenesis of colorectal cancer by sponging miR-193a-3p. <i>Cell Proliferation</i> , 2019, 52, e12526.	2.4	70
847	Revealing lncRNA Structures and Interactions by Sequencing-Based Approaches. <i>Trends in Biochemical Sciences</i> , 2019, 44, 33-52.	3.7	333
848	Evaluation of serum exosomal lncRNA-based biomarker panel for diagnosis and recurrence prediction of bladder cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 1396-1405.	1.6	97
849	Cancer epigenetics and the potential of epigenetic drugs for treating solid tumors. <i>Expert Review of Anticancer Therapy</i> , 2019, 19, 139-149.	1.1	16
850	miRNAs and lncRNAs as Biomarkers of Toxicant Exposure. , 2019, , 237-247.		1
851	Role of FoxO Proteins in Cellular Response to Antitumor Agents. <i>Cancers</i> , 2019, 11, 90.	1.7	56
852	Functional Interplay between RNA Viruses and Non-Coding RNA in Mammals. <i>Non-coding RNA</i> , 2019, 5, 7.	1.3	38
853	Kinetic Modelling of Competition and Depletion of Shared miRNAs by Competing Endogenous RNAs. <i>Methods in Molecular Biology</i> , 2019, 1912, 367-409.	0.4	18
854	Excised linear introns regulate growth in yeast. <i>Nature</i> , 2019, 565, 606-611.	13.7	118
855	RELA/NEAT1/miR-302a-3p/RELA feedback loop modulates pancreatic ductal adenocarcinoma cell proliferation and migration. <i>Journal of Cellular Physiology</i> , 2019, 234, 3583-3597.	2.0	32
856	Upregulation of lncRNA FER1L4 suppresses the proliferation and migration of the hepatocellular carcinoma via regulating PI3K/AKT signal pathway. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 6781-6788.	1.2	33
857	Computational Analysis of lncRNA Function in Cancer. <i>Methods in Molecular Biology</i> , 2019, 1878, 139-155.	0.4	11
858	ceRNA network construction and comparison of gastric cancer with or without <i>Helicobacter pylori</i> infection. <i>Journal of Cellular Physiology</i> , 2019, 234, 7128-7140.	2.0	36
859	LncRNA-OG Promotes the Osteogenic Differentiation of Bone Marrow-Derived Mesenchymal Stem Cells Under the Regulation of hnRNPK. <i>Stem Cells</i> , 2019, 37, 270-283.	1.4	71
861	miR-335-5p has an important role in the progression of gastric cancer by down-regulation of CEACAM5. <i>Meta Gene</i> , 2019, 19, 65-68.	0.3	1
862	Stable Intronic Sequence RNAs (sisRNAs): An Expanding Universe. <i>Trends in Biochemical Sciences</i> , 2019, 44, 258-272.	3.7	32
863	Transcriptome Sequencing (RNA-Seq). , 2019, , 33-49.		1

#	ARTICLE	IF	CITATIONS
864	RNA therapy: Are we using the right molecules?. , 2019, 196, 91-104.		116
865	RNA Structural Differentiation: Opportunities with Pattern Recognition. <i>Biochemistry</i> , 2019, 58, 199-213.	1.2	17
866	Structure guided fluorescence labeling reveals a two-step binding mechanism of neomycin to its RNA aptamer. <i>Nucleic Acids Research</i> , 2019, 47, 15-28.	6.5	21
867	ELF18â€œINDUCED LONG NONCODING RNAâ€œ1 evicts fibrillarin from mediator subunit to enhance <i>PATHOGENESISâ€œRELATED GENEâ€œ1</i> (<i>PR1</i>) expression. <i>New Phytologist</i> , 2019, 221, 2067-2079.	3.5	87
868	Epigenetic dysregulation in hepatocellular carcinoma: an upâ€œtoâ€œdate review. <i>Hepatology Research</i> , 2019, 49, 3-13.	1.8	30
869	Genome-Wide Probing of RNA Structure. , 2019, , 574-585.		0
870	Epigenetics in Insects: Genome Regulation and the Generation of Phenotypic Diversity. <i>Annual Review of Entomology</i> , 2019, 64, 185-203.	5.7	137
871	Noncoding RNAs in the Vascular System Response to Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 992-1010.	2.5	26
872	Non-coding RNA regulation of endothelial and macrophage functions during atherosclerosis. <i>Vascular Pharmacology</i> , 2019, 114, 64-75.	1.0	60
873	Noncoding RNAs and Stroke. <i>Neuroscientist</i> , 2019, 25, 22-26.	2.6	43
874	A simplified system for the effective expression and delivery of functional mature microRNAs in mammalian cells. <i>Cancer Gene Therapy</i> , 2020, 27, 424-437.	2.2	42
875	Deregulation of H19 is associated with cervical carcinoma. <i>Genomics</i> , 2020, 112, 961-970.	1.3	49
876	Long Noncoding RNA p53â€œStabilizing and Activating RNA Promotes p53 Signaling by Inhibiting Heterogeneous Nuclear Ribonucleoprotein K deSUMOylation and Suppresses Hepatocellular Carcinoma. <i>Hepatology</i> , 2020, 71, 112-129.	3.6	104
877	Adaptor proteins in long noncoding RNA biology. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020, 1863, 194370.	0.9	22
878	Circular RNA expression profiles alter significantly after intracerebral hemorrhage in rats. <i>Brain Research</i> , 2020, 1726, 146490.	1.1	19
879	Long non-coding RNA NEAT1 targeting impairs the DNA repair machinery and triggers anti-tumor activity in multiple myeloma. <i>Leukemia</i> , 2020, 34, 234-244.	3.3	80
880	Discovery and validation of methylated-differentially expressed genes in <i>Helicobacter pylori</i> -induced gastric cancer. <i>Cancer Gene Therapy</i> , 2020, 27, 473-485.	2.2	27
881	Close encounters between <i>Trypanosoma cruzi</i> and the host mammalian cell: Lessons from genome-wide expression studies. <i>Genomics</i> , 2020, 112, 990-997.	1.3	11

#	ARTICLE	IF	CITATIONS
882	Non-coding RNAs: what are we missing?. <i>Biochemistry and Cell Biology</i> , 2020, 98, 23-30.	0.9	16
883	LncRNA BC088259 promotes Schwann cell migration through Vimentin following peripheral nerve injury. <i>Glia</i> , 2020, 68, 670-679.	2.5	19
884	Targeting RNA with Small Molecules: Identification of Selective, RNA-Binding Small Molecules Occupying Drug-Like Chemical Space. <i>SLAS Discovery</i> , 2020, 25, 384-396.	1.4	73
885	Ageing-associated changes in the expression of lncRNAs in human tissues reflect a transcriptional modulation in ageing pathways. <i>Mechanisms of Ageing and Development</i> , 2020, 185, 111177.	2.2	27
886	LncRNA β -CSC1 modulates cancer stem cell properties in colorectal cancer via activation of the Hedgehog signaling pathway. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 2510-2524.	1.2	59
887	miR-142-5p protects against osteoarthritis through competing with lncRNA XIST. <i>Journal of Gene Medicine</i> , 2020, 22, e3158.	1.4	19
888	Nuclear Magnetic Resonance of Single-Stranded RNAs and DNAs of CAU and UCAAUC as Benchmarks for Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 1968-1984.	2.3	22
889	Accurate inference of the full base-pairing structure of RNA by deep mutational scanning and covariation-induced deviation of activity. <i>Nucleic Acids Research</i> , 2020, 48, 1451-1465.	6.5	15
890	Interfering with long non-coding RNA MIR22HG processing inhibits glioblastoma progression through suppression of Wnt/ β -catenin signalling. <i>Brain</i> , 2020, 143, 512-530.	3.7	96
891	A benchmarking of pipelines for detecting ncRNAs from RNA-Seq data. <i>Briefings in Bioinformatics</i> , 2020, 21, 1987-1998.	3.2	16
892	LINC01714 Enhances Gemcitabine Sensitivity by Modulating FOXO3 Phosphorylation in Cholangiocarcinoma. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 446-457.	2.3	27
893	Expression analysis of microRNAs and mRNAs in myofibroblast differentiation of lung resident mesenchymal stem cells. <i>Differentiation</i> , 2020, 112, 10-16.	1.0	13
894	Developing parallel ant colonies filtered by deep learned constrains for predicting RNA secondary structure with pseudo-knots. <i>Neurocomputing</i> , 2020, 384, 104-114.	3.5	6
895	Integrative Structural Biology of Protein-RNA Complexes. <i>Structure</i> , 2020, 28, 6-28.	1.6	33
896	Negative cooperativity between Gemin2 and RNA provides insights into RNA selection and the SMN complex's release in snRNP assembly. <i>Nucleic Acids Research</i> , 2020, 48, 895-911.	6.5	8
897	A novel RNA aptamer-modified riboswitch as chemical sensor. <i>Analytica Chimica Acta</i> , 2020, 1100, 240-249.	2.6	10
898	Exosomal microRNAs and other non-coding RNAs as colorectal cancer biomarkers: a review. <i>Mutagenesis</i> , 2020, 35, 243-260.	1.0	29
899	Identification and Evaluation of Long Noncoding RNAs in Response to Handling Stress in Red Cusk-Eel (<i>Genypterus chilensis</i>) via RNA-seq. <i>Marine Biotechnology</i> , 2020, 22, 94-108.	1.1	31

#	ARTICLE	IF	CITATIONS
900	RNA-RNA Interactomes of ProQ and Hfq Reveal Overlapping and Competing Roles. <i>Molecular Cell</i> , 2020, 77, 411-425.e7.	4.5	173
901	The chemistry and applications of RNA 2'-OH acylation. <i>Nature Reviews Chemistry</i> , 2020, 4, 22-37.	13.8	48
902	An Emerging Role for isomiRs and the microRNA Epitranscriptome in Neovascularization. <i>Cells</i> , 2020, 9, 61.	1.8	31
903	LncRNA FOXD3-AS1 knockdown protects against cerebral ischemia/reperfusion injury via miR-765/BCL2L13 axis. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110778.	2.5	24
904	Lnc-FAM84B-4 acts as an oncogenic lncRNA by interacting with protein hnRNPK to restrain MAPK phosphatases-DUSP1 expression. <i>Cancer Letters</i> , 2020, 494, 94-106.	3.2	26
905	The Crosstalk Between Epigenetic Mechanisms and Alternative RNA Processing Regulation. <i>Frontiers in Genetics</i> , 2020, 11, 998.	1.1	38
906	Upregulation of KCNQ1OT1 promotes resistance to stereotactic body radiotherapy in lung adenocarcinoma by inducing ATG5/ATG12-mediated autophagy via miR-372-3p. <i>Cell Death and Disease</i> , 2020, 11, 883.	2.7	37
907	Mechanism of efficient double-strand break repair by a long non-coding RNA. <i>Nucleic Acids Research</i> , 2020, 48, 10953-10972.	6.5	43
908	Long non-coding RNAs: emerging players regulating plant abiotic stress response and adaptation. <i>BMC Plant Biology</i> , 2020, 20, 466.	1.6	100
909	Noncoding RNAs in Apicomplexan Parasites: An Update. <i>Trends in Parasitology</i> , 2020, 36, 835-849.	1.5	30
910	Pseudo-RNA-Binding Domains Mediate RNA Structure Specificity in Upstream of N-Ras. <i>Cell Reports</i> , 2020, 32, 107930.	2.9	18
911	Comprehensive Analysis of Non-coding RNA Profiles of Exosome-Like Vesicles From the Protoscoleces and Hydatid Cyst Fluid of <i>Echinococcus granulosus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 316.	1.8	33
912	Noncoding RNAs in Diabetic Nephropathy: Pathogenesis, Biomarkers, and Therapy. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-10.	1.0	33
913	Regulation of MALAT1 triple helix stability and in vitro degradation by diphenylfurans. <i>Nucleic Acids Research</i> , 2020, 48, 7653-7664.	6.5	43
914	A novel lncRNA transcript, RBAT1, accelerates tumorigenesis through interacting with HNRNPL and cis-activating E2F3. <i>Molecular Cancer</i> , 2020, 19, 115.	7.9	50
915	Emerging roles for noncoding RNAs in female sex steroids and reproductive disease. <i>Molecular and Cellular Endocrinology</i> , 2020, 518, 110875.	1.6	14
916	Epigenetic mechanisms leading to genetic flexibility during abiotic stress responses in microalgae: A review. <i>Algal Research</i> , 2020, 50, 101999.	2.4	13
917	Roles of Noncoding RNAs in Islet Biology. , 2020, 10, 893-932.		7

#	ARTICLE	IF	CITATIONS
918	Pyknon-Containing Transcripts Are Downregulated in Colorectal Cancer Tumors, and Loss of PYK44 Is Associated With Worse Patient Outcome. <i>Frontiers in Genetics</i> , 2020, 11, 581454.	1.1	3
919	Plant Volatile Organic Compounds Evolution: Transcriptional Regulation, Epigenetics and Polyploidy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8956.	1.8	62
920	Long-noncoding RNA LINC00461 promotes proliferation and invasion of nonsmall cell lung cancer cells via targeting miR-518a-3p/WDR1 pathway. <i>Journal of Receptor and Signal Transduction Research</i> , 2020, , 1-8.	1.3	4
921	Emerging Roles of Long Noncoding RNAs in the Cytoplasmic Milieu. <i>Non-coding RNA</i> , 2020, 6, 44.	1.3	24
922	Fast and accurate structure probability estimation for simultaneous alignment and folding of RNAs with Markov chains. <i>Algorithms for Molecular Biology</i> , 2020, 15, 19.	0.3	2
923	Properties and biological impact of RNA G-quadruplexes: from order to turmoil and back. <i>Nucleic Acids Research</i> , 2020, 48, 12534-12555.	6.5	101
924	<p>LncRNA MIR503HG Promotes High-Glucose-Induced Proximal Tubular Cell Apoptosis by Targeting miR-503-5p/Bcl-2 Pathway</p>. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 4507-4517.	1.1	17
925	Advances in RNA 3D Structure Modeling Using Experimental Data. <i>Frontiers in Genetics</i> , 2020, 11, 574485.	1.1	56
926	Plant Non-Coding RNAs: Origin, Biogenesis, Mode of Action and Their Roles in Abiotic Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8401.	1.8	57
927	Develop a circular RNAâ€related regulatory network associated with prognosis of gastric cancer. <i>Cancer Medicine</i> , 2020, 9, 8589-8599.	1.3	10
928	Emerging Roles of Long Non-Coding RNAs in Renal Fibrosis. <i>Life</i> , 2020, 10, 131.	1.1	14
929	<p>Upregulation of TRIAP1 by the lncRNA MFI2-AS1/miR-125a-5p Axis Promotes Thyroid Cancer Tumorigenesis</p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 6967-6974.	1.0	9
930	<p>Long Non-Coding RNAs in Drug Resistance of Breast Cancer</p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 7075-7087.	1.0	20
931	Exploring sunflower responses to Sclerotinia head rot at early stages of infection using RNA-seq analysis. <i>Scientific Reports</i> , 2020, 10, 13347.	1.6	16
932	Long Noncoding RNA Rps4l Mediates the Proliferation of Hypoxic Pulmonary Artery Smooth Muscle Cells. <i>Hypertension</i> , 2020, 76, 1124-1133.	1.3	17
933	The Long Non-coding Road to Atherosclerosis. <i>Current Atherosclerosis Reports</i> , 2020, 22, 55.	2.0	34
934	The Bacterial Ro60 Protein and Its Noncoding Y RNA Regulators. <i>Annual Review of Microbiology</i> , 2020, 74, 387-407.	2.9	14
935	DNA Methyltransferase 1 (DNMT1) Function Is Implicated in the Age-Related Loss of Cortical Interneurons. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 639.	1.8	17

#	ARTICLE	IF	CITATIONS
936	Regulation of Long Non-coding RNAs and MicroRNAs in Heart Disease: Insight Into Mechanisms and Therapeutic Approaches. <i>Frontiers in Physiology</i> , 2020, 11, 798.	1.3	21
937	A New View of Genome Organization Through RNA Directed Interactions. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 517.	1.8	8
938	Enzymatic covalent labeling of RNA with RNA transglycosylation at guanosine (RNA-TAG). <i>Methods in Enzymology</i> , 2020, 641, 373-399.	0.4	6
939	Molecular mechanisms underlying the extreme mechanical anisotropy of the flaviviral exoribonuclease-resistant RNAs (xrRNAs). <i>Nature Communications</i> , 2020, 11, 5496.	5.8	9
940	Single-cell RNA profiling links ncRNAs to spatiotemporal gene expression during <i>C. elegans</i> embryogenesis. <i>Scientific Reports</i> , 2020, 10, 18863.	1.6	2
941	Multistimuli responsive RNA amphiphilic polymeric assembly constructed by calixpyridinium-based supramolecular interactions. <i>Tetrahedron</i> , 2020, 76, 131620.	1.0	5
942	<p>Long-Noncoding RNA CASC9 Promotes Progression of Non-Small Cell Lung Cancer by Promoting the Expression of CDC6 Through Binding to HuR</p>. <i>Cancer Management and Research</i> , 2020, Volume 12, 9033-9043.	0.9	8
943	The Effects of Single Nucleotide Polymorphisms in Cancer RNAi Therapies. <i>Cancers</i> , 2020, 12, 3119.	1.7	6
944	A study of miRNAs and lncRNAs during Lr28-mediated resistance against leaf rust in wheat (<i>Triticum</i>) Tj ETQq0 0 0 ¹⁵ BT /Overlock 10 Tf ¹⁶	1.3	16
945	Site-Selective RNA Functionalization via DNA-Induced Structure. <i>Journal of the American Chemical Society</i> , 2020, 142, 16357-16363.	6.6	24
946	The Key Role of MicroRNAs in Self-Renewal and Differentiation of Embryonic Stem Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6285.	1.8	21
947	miR-196b-5p-mediated downregulation of FAS promotes NSCLC progression by activating IL6-STAT3 signaling. <i>Cell Death and Disease</i> , 2020, 11, 785.	2.7	21
948	A mouse tissue atlas of small noncoding RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25634-25645.	3.3	56
949	Roles of Regulatory RNAs in Nutritional Control. <i>Annual Review of Nutrition</i> , 2020, 40, 77-104.	4.3	8
950	Long non-coding RNA BCYRN1 exerts an oncogenic role in colorectal cancer by regulating the miR-204-3p/KRAS axis. <i>Cancer Cell International</i> , 2020, 20, 453.	1.8	12
951	Trapping Transient RNA Complexes by Chemically Reversible Acylation. <i>Angewandte Chemie</i> , 2020, 132, 22201-22206.	1.6	2
952	<i>Bacillus halodurans</i> OapB forms a high-affinity complex with the P13 region of the noncoding RNA OLE. <i>Journal of Biological Chemistry</i> , 2020, 295, 9326-9334.	1.6	6
953	Trapping Transient RNA Complexes by Chemically Reversible Acylation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22017-22022.	7.2	12

#	ARTICLE	IF	CITATIONS
954	Long Non-coding RNA LINC00115 Contributes to the Progression of Colorectal Cancer by Targeting miR-489-3p via the PI3K/AKT/mTOR Pathway. <i>Frontiers in Genetics</i> , 2020, 11, 567630.	1.1	20
955	Genome-wide identification of microRNAs and phased siRNAs in soybean roots under long-term salt stress. <i>Genes and Genomics</i> , 2020, 42, 1239-1249.	0.5	11
956	Genome-Wide Screening and Characterization of Non-Coding RNAs in <i>Coffea canephora</i> . <i>Non-coding RNA</i> , 2020, 6, 39.	1.3	5
957	LINC00355:8 promotes cell proliferation and migration with invasion <i>via</i> the MiR-6777-3p/Wnt10b axis in Hepatocellular Carcinoma. <i>Journal of Cancer</i> , 2020, 11, 5641-5655.	1.2	14
958	MicroRNAs in Alzheimer's Disease: Function and Potential Applications as Diagnostic Biomarkers. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 160.	1.4	57
959	Linc00426 accelerates lung adenocarcinoma progression by regulating miR-455-5p as a molecular sponge. <i>Cell Death and Disease</i> , 2020, 11, 1051.	2.7	14
960	The Multifaceted Roles of MicroRNAs in Cystic Fibrosis. <i>Diagnostics</i> , 2020, 10, 1102.	1.3	13
961	Small Noncoding RNA Signatures for Determining the Developmental Potential of an Embryo at the Morula Stage. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9399.	1.8	20
962	The lncRNA Toolkit: Databases and In Silico Tools for lncRNA Analysis. <i>Non-coding RNA</i> , 2020, 6, 49.	1.3	32
963	MicroRNAs and Polycystic Kidney Disease. <i>Kidney Medicine</i> , 2020, 2, 762-770.	1.0	7
964	Integrated Analysis of lncRNA-miRNA-mRNA ceRNA Network Identified lncRNA EPB41L4A-AS1 as a Potential Biomarker in Non-small Cell Lung Cancer. <i>Frontiers in Genetics</i> , 2020, 11, 511676.	1.1	19
965	Efficacy of Tong-Xie-Yao-Fang granule and its impact on whole transcriptome profiling in diarrhea-predominant irritable bowel syndrome patients: study protocol for a randomized controlled trial. <i>Trials</i> , 2020, 21, 908.	0.7	9
966	IRIS: A method for predicting <i>in vivo</i> RNA secondary structures using PARIS data. <i>Quantitative Biology</i> , 2020, 8, 369-381.	0.3	10
967	Small molecule RNA targeting: starting with the fundamentals. <i>Chemical Communications</i> , 2020, 56, 14744-14756.	2.2	35
968	Relationship between tRNA-derived fragments and human cancers. <i>International Journal of Cancer</i> , 2020, 147, 3007-3018.	2.3	31
969	Clues of <i>in vivo</i> nuclear gene regulation by mitochondrial short non-coding RNAs. <i>Scientific Reports</i> , 2020, 10, 8219.	1.6	14
970	Evaluating DCA-based method performances for RNA contact prediction by a well-curated data set. <i>Rna</i> , 2020, 26, 794-802.	1.6	13
971	Epigenetics factors in nonalcoholic fatty liver disease. <i>Expert Review of Gastroenterology and Hepatology</i> , 2022, 16, 521-536.	1.4	17

#	ARTICLE	IF	CITATIONS
972	From Gene to Protein—How Bacterial Virulence Factors Manipulate Host Gene Expression During Infection. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3730.	1.8	34
973	Regulatory Noncoding Small RNAs Are Diverse and Abundant in an Extremophilic Microbial Community. <i>MSystems</i> , 2020, 5, .	1.7	14
974	Basic genetics: mitosis, meiosis, chromosomes, DNA, RNA, and beyond. , 2020, , 3-16.		0
975	FARFAR2: Improved De Novo Rosetta Prediction of Complex Global RNA Folds. <i>Structure</i> , 2020, 28, 963-976.e6.	1.6	134
976	Lnc-M2 controls M2 macrophage differentiation via the PKA/CREB pathway. <i>Molecular Immunology</i> , 2020, 124, 142-152.	1.0	17
977	lncRNA expression profiles related to apoptosis and autophagy in peripheral blood mononuclear cells of patients with rheumatoid arthritis. <i>FEBS Open Bio</i> , 2020, 10, 1642-1654.	1.0	16
978	Telomere transcription in ageing. <i>Ageing Research Reviews</i> , 2020, 62, 101115.	5.0	44
979	Regulation of breast cancer metastasis signaling by miRNAs. <i>Cancer and Metastasis Reviews</i> , 2020, 39, 837-886.	2.7	87
980	Non-coding RNAs in Ischemic Stroke: Roles in the Neuroinflammation and Cell Death. <i>Neurotoxicity Research</i> , 2020, 38, 564-578.	1.3	16
981	The Expression, Functions and Mechanisms of Circular RNAs in Gynecological Cancers. <i>Cancers</i> , 2020, 12, 1472.	1.7	32
982	TATA-Like Boxes in RNA Polymerase III Promoters: Requirements for Nucleotide Sequences. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3706.	1.8	11
983	microRNA miR-124 inhibits tumorigenesis by targeting mitogen-activated protein kinase 4 in papillary thyroid carcinoma. <i>Cell Biochemistry and Function</i> , 2020, 38, 1017-1024.	1.4	6
984	Plasma Exosomal Long Noncoding RNA lnc-SLC2A12-10:1 as a Novel Diagnostic Biomarker for Gastric Cancer. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 4009-4018.	1.0	30
985	Argonaute binding within 5'-untranslated regions poorly predicts gene repression. <i>Nucleic Acids Research</i> , 2020, 48, 7439-7453.	6.5	31
986	Strategies to Modulate MicroRNA Functions for the Treatment of Cancer or Organ Injury. <i>Pharmacological Reviews</i> , 2020, 72, 639-667.	7.1	45
987	The lncRNA LAMP5-AS1 drives leukemia cell stemness by directly modulating DOT1L methyltransferase activity in MLL leukemia. <i>Journal of Hematology and Oncology</i> , 2020, 13, 78.	6.9	47
988	Non-Coding RNAs Operate in the Crosstalk Between Cancer Metabolic Reprogramming and Metastasis. <i>Frontiers in Oncology</i> , 2020, 10, 810.	1.3	11
989	Noncoding RNAs: the shot callers in tumor immune escape. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 102.	7.1	37

#	ARTICLE	IF	CITATIONS
990	Identification of lncRNAs Involved in PCV2 Infection of PK-15 Cells. <i>Pathogens</i> , 2020, 9, 479.	1.2	6
991	A Novel Micropeptide Encoded by Y-Linked LINC00278 Links Cigarette Smoking and AR Signaling in Male Esophageal Squamous Cell Carcinoma. <i>Cancer Research</i> , 2020, 80, 2790-2803.	0.4	91
992	Unraveling the RNA modification code with mass spectrometry. <i>Molecular Omics</i> , 2020, 16, 305-315.	1.4	19
993	Emerging roles of novel small non-coding regulatory RNAs in immunity and cancer. <i>RNA Biology</i> , 2020, 17, 1196-1213.	1.5	24
994	Noncoding RNAs in gastric cancer: implications for drug resistance. <i>Molecular Cancer</i> , 2020, 19, 62.	7.9	276
995	Probing eukaryotic genome functions with synthetic chromosomes. <i>Experimental Cell Research</i> , 2020, 390, 111936.	1.2	5
996	Long non-coding RNA HUMT hypomethylation promotes lymphangiogenesis and metastasis via activating FOXP1 transcription in triple-negative breast cancer. <i>Journal of Hematology and Oncology</i> , 2020, 13, 17.	6.9	74
997	Editorial for the special issue "RNA-Seq: Methods and applications". <i>Methods</i> , 2020, 176, 1-3.	1.9	1
998	Paracrine Mechanisms of Mesenchymal Stromal Cells in Angiogenesis. <i>Stem Cells International</i> , 2020, 2020, 1-12.	1.2	140
999	Exosomal noncoding RNAs in Glioma: biological functions and potential clinical applications. <i>Molecular Cancer</i> , 2020, 19, 66.	7.9	218
1000	lncRNAs in HCV Infection and HCV-Related Liver Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2255.	1.8	31
1001	Trans-Acting Small RNAs and Their Effects on Gene Expression in <i>Escherichia coli</i> and <i>Salmonella enterica</i> . <i>EcoSal Plus</i> , 2020, 9, .	2.1	161
1002	Prediction of new associations between ncRNAs and diseases exploiting multi-type hierarchical clustering. <i>BMC Bioinformatics</i> , 2020, 21, 70.	1.2	25
1003	Mitochondrial noncoding RNA-regulatory network in cardiovascular disease. <i>Basic Research in Cardiology</i> , 2020, 115, 23.	2.5	70
1004	Ligand Recognition in Viral RNA Necessitates Rare Conformational Transitions. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5426-5432.	2.1	12
1005	Noncoding RNAs in Cardiovascular Disease: Current Knowledge, Tools and Technologies for Investigation, and Future Directions: A Scientific Statement From the American Heart Association. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e000062.	1.6	61
1006	OncotRF: an online resource for exploration of tRNA-derived fragments in human cancers. <i>RNA Biology</i> , 2020, 17, 1081-1091.	1.5	39
1007	Accelerated cryo-EM-guided determination of three-dimensional RNA-only structures. <i>Nature Methods</i> , 2020, 17, 699-707.	9.0	119

#	ARTICLE	IF	CITATIONS
1008	Unboxing the Tâ€box riboswitchesâ€”A glimpse into multivalent and multimodal <scp>RNAâ€RNA</scp> interactions. Wiley Interdisciplinary Reviews RNA, 2020, 11, e1600.	3.2	23
1009	The role of epigenetics and non-coding RNAs in autophagy: A new perspective for thorough understanding. Mechanisms of Ageing and Development, 2020, 190, 111309.	2.2	25
1010	Illuminating RNA Biology: Tools for Imaging RNA in Live Mammalian Cells. Cell Chemical Biology, 2020, 27, 891-903.	2.5	62
1011	Epigenetic regulation of intestinal stem cell differentiation. American Journal of Physiology - Renal Physiology, 2020, 319, G189-G196.	1.6	11
1012	Prospects and challenges of multi-omics data integration in toxicology. Archives of Toxicology, 2020, 94, 371-388.	1.9	142
1013	Human Long Noncoding RNA Interactome: Detection, Characterization and Function. International Journal of Molecular Sciences, 2020, 21, 1027.	1.8	124
1014	A novel lncRNA as a positive regulator of carotenoid biosynthesis in Fusarium. Scientific Reports, 2020, 10, 678.	1.6	8
1015	Emerging role of long non-coding RNAs in normal and malignant hematopoiesis. Chinese Medical Journal, 2020, 133, 462-473.	0.9	7
1016	Mg2+ Impacts the Twister Ribozyme through Push-Pull Stabilization of Nonsequential Phosphate Pairs. Biophysical Journal, 2020, 118, 1424-1437.	0.2	9
1017	Peptide Nucleic Acids. Methods in Molecular Biology, 2020, , .	0.4	8
1018	Host microRNAs and exosomes that modulate influenza virus infection. Virus Research, 2020, 279, 197885.	1.1	37
1019	Novel approaches for efficientÂ in vivo fermentation production of noncoding RNAs. Applied Microbiology and Biotechnology, 2020, 104, 1927-1937.	1.7	24
1020	Molecular Regulation of Circadian Chromatin. Journal of Molecular Biology, 2020, 432, 3466-3482.	2.0	18
1022	HMGA2 Antisense Long Non-coding RNAs as New Players in the Regulation of HMGA2 Expression and Pancreatic Cancer Promotion. Frontiers in Oncology, 2019, 9, 1526.	1.3	19
1023	The Role of RNA Binding Proteins for Local mRNA Translation: Implications in Neurological Disorders. Frontiers in Molecular Biosciences, 2019, 6, 161.	1.6	79
1024	Genomic landscape of the signals of positive natural selection in populations of Northern Eurasia: A view from Northern Russia. PLoS ONE, 2020, 15, e0228778.	1.1	6
1025	Distinct Subsets of Noncoding RNAs Are Strongly Associated With BMD and Fracture, Studied in Weightâ€bearing and Nonâ€Weightâ€bearing Human Bone. Journal of Bone and Mineral Research, 2020, 35, 1065-1076.	3.1	9
1026	Epigenetic changes during ageing and their underlying mechanisms. Biogerontology, 2020, 21, 423-443.	2.0	15

#	ARTICLE	IF	CITATIONS
1027	What is Life?. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, .	1.1	23
1028	Statistical mechanical prediction of ligand perturbation to RNA secondary structure and application to riboswitches. <i>Journal of Computational Chemistry</i> , 2020, 41, 1521-1537.	1.5	3
1029	Centromeric RNA and Its Function at and Beyond Centromeric Chromatin. <i>Journal of Molecular Biology</i> , 2020, 432, 4257-4269.	2.0	25
1030	Roles of noncoding RNAs in drug resistance in multiple myeloma. <i>Journal of Cellular Physiology</i> , 2020, 235, 7681-7695.	2.0	6
1031	The multiple function of long noncoding RNAs in osteosarcoma progression, drug resistance and prognosis. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110141.	2.5	27
1032	Translatable circRNAs and lncRNAs: Driving mechanisms and functions of their translation products. <i>Cancer Letters</i> , 2020, 483, 59-65.	3.2	73
1033	Expression Pattern and Biological Significance of the lncRNA ST3GAL6-AS1 in Multiple Myeloma. <i>Cancers</i> , 2020, 12, 782.	1.7	6
1034	Human vtRNA1-1 Levels Modulate Signaling Pathways and Regulate Apoptosis in Human Cancer Cells. <i>Biomolecules</i> , 2020, 10, 614.	1.8	24
1035	The Emerging Role of ncRNAs and RNA-Binding Proteins in Mitotic Apparatus Formation. <i>Non-coding RNA</i> , 2020, 6, 13.	1.3	11
1036	XPO5 promotes primary miRNA processing independently of RanGTP. <i>Nature Communications</i> , 2020, 11, 1845.	5.8	21
1037	Critical Steps in Epithelial-Mesenchymal Transition as Target for Cancer Treatment. <i>Human Perspectives in Health Sciences and Technology</i> , 2020, , 213-244.	0.2	2
1038	Quo vadis microRNAs?. <i>Trends in Genetics</i> , 2020, 36, 461-463.	2.9	24
1039	Cortical cellular diversity and development in schizophrenia. <i>Molecular Psychiatry</i> , 2021, 26, 203-217.	4.1	11
1040	Two sides of the same medal: Noncoding mutations reveal new pathological mechanisms and insights into the regulation of gene expression. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1616.	3.2	1
1041	Emerging roles of non-coding RNAs in vector-borne infections. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	6
1042	Highly homologous mouse Cyp2a4 and Cyp2a5 genes are differentially expressed in the liver and both express long non-coding antisense RNAs. <i>Gene</i> , 2021, 767, 145162.	1.0	4
1043	LINC01089 inhibits the progression of cervical cancer via inhibiting miRâ€27aâ€3p and increasing BTG2. <i>Journal of Gene Medicine</i> , 2021, 23, e3280.	1.4	13
1044	A systematic evaluation of bioinformatics tools for identification of long noncoding RNAs. <i>Rna</i> , 2021, 27, 80-98.	1.6	19

#	ARTICLE	IF	CITATIONS
1045	Long non-coding RNAs and transposable elements: A functional relationship. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118837.	1.9	45
1046	Functional role of the long noncoding RNA X-inactive specific transcript in leiomyoma pathogenesis. <i>Fertility and Sterility</i> , 2021, 115, 238-247.	0.5	20
1047	RNA processing in neurological tissue: development, aging and disease. <i>Seminars in Cell and Developmental Biology</i> , 2021, 114, 57-67.	2.3	7
1048	Targeted delivery of small noncoding RNA for glioblastoma. <i>Cancer Letters</i> , 2021, 500, 274-280.	3.2	12
1049	Methods for isolation of messenger RNA from biological samples. <i>Analytical Methods</i> , 2021, 13, 289-298.	1.3	7
1050	Hypoxic conditioned promotes the proliferation of human olfactory mucosa mesenchymal stem cells and relevant lncRNA and mRNA analysis. <i>Life Sciences</i> , 2021, 265, 118861.	2.0	6
1051	Probiotic Research in Therapeutics. , 2021, , .		1
1052	deepBase v3.0: expression atlas and interactive analysis of ncRNAs from thousands of deep-sequencing data. <i>Nucleic Acids Research</i> , 2021, 49, D877-D883.	6.5	29
1053	Circular RNA circANKRD36 regulates Casz1 by targeting miRâ€599 to prevent osteoarthritis chondrocyte apoptosis and inflammation. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 120-131.	1.6	31
1054	lnc-MAP3K13-7:1 Inhibits Ovarian GC Proliferation in PCOS via DNMT1 Downregulation-Mediated CDKN1A Promoter Hypomethylation. <i>Molecular Therapy</i> , 2021, 29, 1279-1293.	3.7	42
1055	MHC Class III RNA Binding Proteins and Immunity. <i>RNA Biology</i> , 2021, 18, 640-646.	1.5	19
1057	CRISPR Guide RNA Design. <i>Methods in Molecular Biology</i> , 2021, , .	0.4	2
1059	Improving RNA Crystal Diffraction Quality by Postcrystallization Treatment. <i>Methods in Molecular Biology</i> , 2021, 2323, 25-37.	0.4	1
1060	Role of long non-coding RNA H19 in therapy resistance of digestive system cancers. <i>Molecular Medicine</i> , 2021, 27, 1.	1.9	42
1061	Interplay between miRNAs and lncRNAs: Mode of action and biological roles in plant development and stress adaptation. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2567-2574.	1.9	45
1062	Comprehensive analysis of lncRNA-miRNA-mRNA regulatory networks for microbiota-mediated colorectal cancer associated with immune cell infiltration. <i>Bioengineered</i> , 2021, 12, 3410-3425.	1.4	20
1063	Role of conformational heterogeneity in ligand recognition by viral RNA molecules. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11211-11223.	1.3	8
1064	Targeting RNA with small molecules: from fundamental principles towards the clinic. <i>Chemical Society Reviews</i> , 2021, 50, 2224-2243.	18.7	118

#	ARTICLE	IF	CITATIONS
1065	Characterizing miRNA–lncRNA Interplay. <i>Methods in Molecular Biology</i> , 2021, 2372, 243-262.	0.4	32
1066	Advances and prospects of epigenetics in plants. , 2021, , 421-444.		0
1067	Dietary Modulation of the Gut Microbiome–Probing the Role of Small RNAs. , 2021, , 380-397.		0
1068	Principles of epigenetics and DNA methylation. , 2021, , 3-26.		0
1070	Biogenesis and Modes of Action of miRs and Circular and Long Non-coding RNAs. , 2021, , 1-19.		0
1071	Therapeutic strategies for modulating epigenetic mechanisms in cardiovascular disease. , 2021, , 349-373.		0
1072	Long noncoding RNA KCNMB2-AS1 promotes the development of esophageal cancer by modulating the miR-3194-3p/PYGL axis. <i>Bioengineered</i> , 2021, 12, 6687-6702.	1.4	9
1073	Transcription Messenger RNA Processing in Eukaryotes. , 2021, , 411-419.		0
1075	Functional Comparison between VP64-dCas9-VP64 and dCas9-VP192 CRISPR Activators in Human Embryonic Kidney Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 397.	1.8	5
1076	Noncoding Gene Families of the Human Genome. , 2021, , 139-180.		1
1077	Long non-coding RNA RP4-694A7.2 Promotes Hepatocellular Carcinoma Cell Proliferation and Metastasis through the Regulation of PSAT1. <i>Journal of Cancer</i> , 2021, 12, 5633-5643.	1.2	5
1078	Benefits and pitfalls: Epigenetic modulators in prostate cancer intervention. <i>Current Research in Chemical Biology</i> , 2021, 1, 100006.	1.4	5
1079	Coding potential of circRNAs: new discoveries and challenges. <i>PeerJ</i> , 2021, 9, e10718.	0.9	18
1080	Pre-clinical investigation of STAT3 pathway in bladder cancer: Paving the way for clinical translation. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111077.	2.5	31
1081	Non-coding RNAs in ossification of spinal ligament. <i>European Spine Journal</i> , 2021, 30, 801-808.	1.0	5
1082	Long noncoding RNAs and their implication in novel trait development in soybean. , 2021, , 133-150.		1
1084	LINC00265 maintains hepatocyte proliferation during liver regeneration by targeting miRNA-28-5p. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 528-536.	0.6	3
1085	Abundantly expressed class of noncoding RNAs conserved through the multicellular evolution of dictyostelid social amoebas. <i>Genome Research</i> , 2021, 31, 436-447.	2.4	5

#	ARTICLE	IF	CITATIONS
1086	Teaching an old dog new tricks: reactivated developmental signaling pathways regulate ABCB1 and chemoresistance in cancer. , 2021, 4, 424-452.		4
1087	Genetically encoded RNA nanodevices for cellular imaging and regulation. <i>Nanoscale</i> , 2021, 13, 7988-8003.	2.8	13
1088	Targeted delivery of nucleic acids using microfluidic systems. , 2021, , 289-318.		1
1089	The many ways Epstein-Barr virus takes advantage of the RNA tool kit. <i>RNA Biology</i> , 2021, 18, 759-766.	1.5	6
1090	Epigenetic mechanisms of hepatocellular carcinoma progression: Potential therapeutic opportunities. , 2021, , 279-296.		0
1091	RNA Structure Prediction. , 2021, , 209-237.		0
1092	Pseudogene Annexin A2 Pseudogene 1 Contributes to Hepatocellular Carcinoma Progression by Modulating Its Parental Gene ANXA2 via miRNA-376a-3p. <i>Digestive Diseases and Sciences</i> , 2021, 66, 3903-3915.	1.1	4
1094	Post-transcriptional regulation of redox homeostasis by the small RNA SHOxi in haloarchaea. <i>RNA Biology</i> , 2021, 18, 1867-1881.	1.5	7
1095	Control of RNA with quinone methide reversible acylating reagents. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8367-8376.	1.5	5
1096	Frameworks for targeting RNA with small molecules. <i>Journal of Biological Chemistry</i> , 2021, 296, 100191.	1.6	35
1097	The Roles of LncRNAs in Osteogenesis, Adipogenesis and Osteoporosis. <i>Current Pharmaceutical Design</i> , 2021, 27, 91-104.	0.9	7
1098	Association of the Expression Levels of Long-Chain Noncoding RNA TUG1 and Its Gene Polymorphisms with Knee Osteoarthritis. <i>Genetic Testing and Molecular Biomarkers</i> , 2021, 25, 102-110.	0.3	5
1099	LETR1 is a lymphatic endothelial-specific lncRNA governing cell proliferation and migration through KLF4 and SEMA3C. <i>Nature Communications</i> , 2021, 12, 925.	5.8	18
1100	Non-Coding RNAs Set a New Phenotypic Frontier in Prostate Cancer Metastasis and Resistance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2100.	1.8	13
1101	<i>PWAR6</i> interacts with miR-106a-5p to regulate the osteogenic differentiation of human periodontal ligament stem cells. <i>Molecular Medicine Reports</i> , 2021, 23, .	1.1	10
1102	MiR-122-5p suppresses neuropathic pain development by targeting PDK4. <i>Neurochemical Research</i> , 2021, 46, 957-963.	1.6	9
1103	Structure of a bacterial OapB protein with its OLE RNA target gives insights into the architecture of the OLE ribonucleoprotein complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	1
1104	Fusion Genes and RNAs in Cancer Development. <i>Non-coding RNA</i> , 2021, 7, 10.	1.3	24

#	ARTICLE	IF	CITATIONS
1105	A-to-I RNA Editing in Cancer: From Evaluating the Editing Level to Exploring the Editing Effects. <i>Frontiers in Oncology</i> , 2020, 10, 632187.	1.3	17
1106	Reprogramming of sRNA target specificity by the leader peptide peTrpL in response to antibiotic exposure. <i>Nucleic Acids Research</i> , 2021, 49, 2894-2915.	6.5	9
1108	MicroRNA-138-5p drives the progression of heart failure via inhibiting sirtuin 1 signaling. <i>Molecular Medicine Reports</i> , 2021, 23, .	1.1	10
1109	Identification of a ten-long noncoding RNA signature for predicting the survival and immune status of patients with bladder urothelial carcinoma based on the GEO database: a superior machine learning model. <i>Aging</i> , 2021, 13, 6957-6981.	1.4	4
1110	The Implications of ncRNAs in the Development of Human Diseases. <i>Non-coding RNA</i> , 2021, 7, 17.	1.3	28
1111	Integrated Characterization of lncRNA-Immune Interactions in Prostate Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 641891.	1.8	14
1112	MaTAR25: a long non-coding RNA involved in breast cancer progression. <i>Molecular and Cellular Oncology</i> , 2021, 8, 1882286.	0.3	0
1113	Cancer-derived exosomal miR-7641 promotes breast cancer progression and metastasis. <i>Cell Communication and Signaling</i> , 2021, 19, 20.	2.7	46
1114	The Roles of circRNAs in Liver Cancer Immunity. <i>Frontiers in Oncology</i> , 2020, 10, 598464.	1.3	13
1115	Integrative genomic analysis of early neurogenesis reveals a temporal genetic program for differentiation and specification of preplate and Cajal-Retzius neurons. <i>PLoS Genetics</i> , 2021, 17, e1009355.	1.5	15
1116	LncRNA FAM230B promotes the metastasis of papillary thyroid cancer by sponging the miR-378a-3p/WNT5A axis. <i>Biochemical and Biophysical Research Communications</i> , 2021, 546, 83-89.	1.0	12
1117	RNAstructViz: graphical base pairing analysis. <i>Bioinformatics</i> , 2021, 37, 3660-3661.	1.8	1
1119	Characterization of 475 Novel, Putative Small RNAs (sRNAs) in Carbon-Starved <i>Salmonella enterica</i> Serovar Typhimurium. <i>Antibiotics</i> , 2021, 10, 305.	1.5	1
1120	Affinity and Structural Analysis of the U1A RNA Recognition Motif with Engineered Methionines to Improve Experimental Phasing. <i>Crystals</i> , 2021, 11, 273.	1.0	4
1121	The Mechanistic Roles of ncRNAs in Promoting and Supporting Chemoresistance of Colorectal Cancer. <i>Non-coding RNA</i> , 2021, 7, 24.	1.3	17
1123	Genome-Wide Identification and Characterization of Long Noncoding RNAs Involved in Chinese Wheat Mosaic Virus Infection of <i>Nicotiana benthamiana</i> . <i>Biology</i> , 2021, 10, 232.	1.3	9
1124	Non-Coding RNAs in Cancer Diagnosis and Therapy: Focus on Lung Cancer. <i>Cancers</i> , 2021, 13, 1372.	1.7	28
1125	Foam Cells as Therapeutic Targets in Atherosclerosis with a Focus on the Regulatory Roles of Non-Coding RNAs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2529.	1.8	42

#	ARTICLE	IF	CITATIONS
1127	Biological relevance and therapeutic potential of G-quadruplex structures in the human noncoding transcriptome. <i>Nucleic Acids Research</i> , 2021, 49, 3617-3633.	6.5	50
1128	AlnC: An extensive database of long non-coding RNAs in angiosperms. <i>PLoS ONE</i> , 2021, 16, e0247215.	1.1	16
1129	MicroRNA Changes in Gastric Carcinogenesis: Differential Dysregulation during <i>Helicobacter pylori</i> and EBV Infection. <i>Genes</i> , 2021, 12, 597.	1.0	8
1130	<i>Drosophila</i> primary microRNA-8 encodes a microRNA-encoded peptide acting in parallel of miR-8. <i>Genome Biology</i> , 2021, 22, 118.	3.8	15
1131	How to untie G-quadruplex knots and why?. <i>Cell Chemical Biology</i> , 2021, 28, 436-455.	2.5	42
1132	tRNA-Derived Fragment tRF-17-79MP9PP Attenuates Cell Invasion and Migration via THBS1/TGF- β 1/Smad3 Axis in Breast Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 656078.	1.3	36
1133	Androgen Receptor-Related Non-coding RNAs in Prostate Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 660853.	1.8	20
1134	Comparative transcriptome analysis of Δ transcripts of uncertain coding potential in septic myocardial depression. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 166.	0.7	1
1135	The Role of Non-Coding RNAs in the Neuroprotective Effects of Glutathione. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4245.	1.8	8
1137	Quantitative mapping of the cellular small RNA landscape with AQRNA-seq. <i>Nature Biotechnology</i> , 2021, 39, 978-988.	9.4	43
1138	Expression Profiles of tRNA-Derived Fragments and Their Potential Roles in Multiple Myeloma. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 2805-2814.	1.0	11
1139	The lncRNA ALMS1- Δ 11 may promote malignant progression of lung adenocarcinoma via AVL9-mediated activation of the cyclin-dependent kinase pathway. <i>FEBS Open Bio</i> , 2021, 11, 1504-1515.	1.0	17
1140	A head-to-head comparison of ribodepletion and polyA selection approaches for <i>Caenorhabditis elegans</i> low input RNA-sequencing libraries. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	3
1141	Optimized photochemistry enables efficient analysis of dynamic RNA structures and interactomes in genetic and infectious diseases. <i>Nature Communications</i> , 2021, 12, 2344.	5.8	31
1142	Доєд,Ñє Д¼Д,Д°ÑєД¾ДДДš Д³ДµД;Д°Ñ,Д¾Д±Д,Д»Д,Д°ÑєД½Д¾Д¹ ÑД,ÑÑ,ДµД¼Ñк. ZdorovÉe Rebenka, 2021, 06, 84-93.		
1143	Quantifying the effects of long-range ^{13}C - ^{13}C dipolar coupling on measured relaxation rates in RNA. <i>Journal of Biomolecular NMR</i> , 2021, 75, 203-211.	1.6	4
1144	The emerging regulatory roles of noncoding RNAs in immune function of fish: MicroRNAs versus long noncoding RNAs. <i>Molecular Genetics and Genomics</i> , 2021, 296, 765-781.	1.0	8
1145	miRNA regulation and stress adaptation in plants. <i>Environmental and Experimental Botany</i> , 2021, 184, 104369.	2.0	54

#	ARTICLE	IF	CITATIONS
1146	LncRNA ST7-AS1 is a Potential Novel Biomarker and Correlated With Immune Infiltrates for Breast Cancer. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 604261.	1.6	10
1147	CPA-seq reveals small ncRNAs with methylated nucleosides and diverse termini. <i>Cell Discovery</i> , 2021, 7, 25.	3.1	31
1148	Identification of Potential Key lncRNAs in the Context of Mouse Myeloid Differentiation by Systematic Transcriptomics Analysis. <i>Genes</i> , 2021, 12, 630.	1.0	0
1149	Vitamin D and Non-coding RNAs: New Insights into the Regulation of Breast Cancer. <i>Current Molecular Medicine</i> , 2021, 21, 194-210.	0.6	9
1150	Reck-Notch1 Signaling Mediates miR-221/222 Regulation of Lung Cancer Stem Cells in NSCLC. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 663279.	1.8	11
1151	Dissecting the Roles of lncRNAs in the Development of Periventricular White Matter Damage. <i>Frontiers in Genetics</i> , 2021, 12, 641526.	1.1	2
1152	To the End of Dogmatism in Molecular Biology. <i>Biosemitotics</i> , 2021, 14, 67-72.	0.8	1
1153	The Non-Coding RNA Landscape in IgA Nephropathy—Where Are We in 2021?. <i>Journal of Clinical Medicine</i> , 2021, 10, 2369.	1.0	1
1154	Silencing of Long Noncoding RNA Growth Arrest-Specific 5 Alleviates Neuronal Cell Apoptosis and Inflammatory Responses Through Sponging microRNA-93 to Repress PTEN Expression in Spinal Cord Injury. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 646788.	1.8	13
1155	SPMLMI: predicting lncRNA-miRNA interactions in humans using a structural perturbation method. <i>PeerJ</i> , 2021, 9, e11426.	0.9	5
1156	<scp>RNAvue</scp>: efficient data analysis for RNA-RNA interactomics. <i>Nucleic Acids Research</i> , 2021, 49, 5493-5501.	6.5	7
1157	Triazole-Modified Nucleic Acids for the Application in Bioorganic and Medicinal Chemistry. <i>Biomedicines</i> , 2021, 9, 628.	1.4	9
1158	LINC00261: a burgeoning long noncoding RNA related to cancer. <i>Cancer Cell International</i> , 2021, 21, 274.	1.8	14
1159	Hypoxia-inducible factor-1 β cooperates with histone Lys methylation to predict prognosis in esophageal squamous cell carcinoma. <i>Biomarkers in Medicine</i> , 2021, 15, 509-522.	0.6	1
1160	Long non-coding RNA NEAT1 regulates glioma cell proliferation and apoptosis by competitively binding to microRNA-324-5p and upregulating KCTD20 expression. <i>Oncology Reports</i> , 2021, 46, .	1.2	11
1161	Emerging Mechanisms and Treatment Progress on Liver Metastasis of Colorectal Cancer. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 3013-3036.	1.0	10
1162	How an Idea Became a Reality. , 2021, , 32-68.		0
1163	Novel Non-coding RNA Analysis in Multiple Myeloma Identified Through High-Throughput Sequencing. <i>Frontiers in Genetics</i> , 2021, 12, 625019.	1.1	6

#	ARTICLE	IF	CITATIONS
1164	Small molecule targeting of biologically relevant RNA tertiary and quaternary structures. <i>Cell Chemical Biology</i> , 2021, 28, 594-609.	2.5	28
1165	Long Noncoding RNA: Regulatory Mechanisms and Therapeutic Potential in Sepsis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 563126.	1.8	26
1166	The lncRNA Caren antagonizes heart failure by inactivating DNA damage response and activating mitochondrial biogenesis. <i>Nature Communications</i> , 2021, 12, 2529.	5.8	45
1167	The Autoantigen Repertoire and the Microbial RNP World. <i>Trends in Molecular Medicine</i> , 2021, 27, 422-435.	3.5	4
1168	SHAPE Directed Discovery of New Functions in Large RNAs. <i>Accounts of Chemical Research</i> , 2021, 54, 2502-2517.	7.6	34
1169	Development and validation of ferroptosis-related lncRNAs signature for hepatocellular carcinoma. <i>PeerJ</i> , 2021, 9, e11627.	0.9	22
1170	Direct Mapping of Higher-Order RNA Interactions by SHAPE-JuMP. <i>Biochemistry</i> , 2021, 60, 1971-1982.	1.2	24
1171	Serum lncRNAs in early pregnancy as potential biomarkers for the prediction of pregnancy-induced hypertension, including preeclampsia. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 24, 416-425.	2.3	17
1172	B-CePs as cross-linking probes for the investigation of RNA higher-order structure. <i>Nucleic Acids Research</i> , 2021, 49, 6660-6672.	6.5	5
1173	The long non-coding RNA \hat{I}^2 Faar regulates islet \hat{I}^2 -cell function and survival during obesity in mice. <i>Nature Communications</i> , 2021, 12, 3997.	5.8	16
1174	Two-way sparsity for time-varying networks with applications in genomics. <i>Annals of Applied Statistics</i> , 2021, 15, .	0.5	3
1175	A Non-Coding RNA Network Involved in KSHV Tumorigenesis. <i>Frontiers in Oncology</i> , 2021, 11, 687629.	1.3	6
1176	Analysis of RNA conformation in endogenously assembled RNPs by icSHAPE. <i>STAR Protocols</i> , 2021, 2, 100477.	0.5	4
1177	NoRCE: non-coding RNA sets cis enrichment tool. <i>BMC Bioinformatics</i> , 2021, 22, 294.	1.2	4
1178	Circular RNA circFOXO3 regulates KDM2A by targeting miRâ€214 to promote tumor growth and metastasis in oral squamous cell carcinoma. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 1842-1852.	1.6	17
1179	Small RNAs are modified with N-glycans and displayed on the surface of living cells. <i>Cell</i> , 2021, 184, 3109-3124.e22.	13.5	260
1180	Identification of Potential ceRNA Network and Patterns of Immune Cell Infiltration in Systemic Sclerosis-Associated Interstitial Lung Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 622021.	1.8	8
1181	Angiogenesis-related non-coding RNAs and gastrointestinal cancer. <i>Molecular Therapy - Oncolytics</i> , 2021, 21, 220-241.	2.0	34

#	ARTICLE	IF	CITATIONS
1182	Abnormal Long Non-Coding RNAs Expression Patterns Have the Potential Ability for Predicting Survival and Treatment Response in Breast Cancer. <i>Genes</i> , 2021, 12, 996.	1.0	3
1183	An Overview of RNA-Based Scaffolds for Osteogenesis. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 682581.	1.6	16
1184	A roadmap for rRNA folding and assembly during transcription. <i>Trends in Biochemical Sciences</i> , 2021, 46, 889-901.	3.7	32
1185	RNA N6-Methyladenosine in Cancer Metastasis: Roles, Mechanisms, and Applications. <i>Frontiers in Oncology</i> , 2021, 11, 681781.	1.3	13
1186	Emerging Role of MicroRNA-200 Family in Dentistry. <i>Non-coding RNA</i> , 2021, 7, 35.	1.3	4
1187	Osteoblast Differentiation and Signaling: Established Concepts and Emerging Topics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6651.	1.8	63
1188	Loss of the long non-coding RNA OIP5-AS1 exacerbates heart failure in a sex-specific manner. <i>IScience</i> , 2021, 24, 102537.	1.9	12
1189	Triptolide promotes the apoptosis and attenuates the inflammation of fibroblast-like synoviocytes in rheumatoid arthritis by down-regulating <i>lncRNA ENST00000619282</i> . <i>Phytotherapy Research</i> , 2021, 35, 4334-4346.	2.8	21
1190	RNA structure probing uncovers RNA structure-dependent biological functions. <i>Nature Chemical Biology</i> , 2021, 17, 755-766.	3.9	59
1191	Androgen-dependent and DNA-binding-independent association of androgen receptor with chromatin regions coding androgen-induced noncoding RNAs. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 2121-2130.	0.6	6
1192	Long Noncoding RNA DICER1-AS1 Functions in Methylation Regulation on the Multi-Drugresistance of Osteosarcoma Cells via miR-34a-5p and GADD45A. <i>Frontiers in Oncology</i> , 2021, 11, 685881.	1.3	4
1193	Huntingtin and Its Role in Mechanisms of RNA-Mediated Toxicity. <i>Toxins</i> , 2021, 13, 487.	1.5	12
1194	Functional Roles of Chelated Magnesium Ions in RNA Folding and Function. <i>Biochemistry</i> , 2021, 60, 2374-2386.	1.2	22
1195	Integrated analysis of long non-coding RNAs and mRNAs associated with malignant transformation of gastrointestinal stromal tumors. <i>Cell Death and Disease</i> , 2021, 12, 669.	2.7	6
1196	The Vital Roles of LINC00662 in Human Cancers. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 711352.	1.8	8
1197	Validation and classification of RNA binding proteins identified by mRNA interactome capture. <i>Rna</i> , 2021, 27, 1173-1185.	1.6	11
1198	Circular RNA circ_ABCB10 in cancer. <i>Clinica Chimica Acta</i> , 2021, 518, 93-100.	0.5	7
1202	The Molecular Basis of Depression: Implications of Sex-Related Differences in Epigenetic Regulation. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 708004.	1.4	11

#	ARTICLE	IF	CITATIONS
1203	Long Non-Coding RNAs in Diagnosis, Treatment, Prognosis, and Progression of Glioma: A State-of-the-Art Review. <i>Frontiers in Oncology</i> , 2021, 11, 712786.	1.3	29
1204	The lncRNA <i>lincRNA-UCA1</i> modulates the response to chemotherapy of ovarian cancer through direct binding to miR-27a-5p and control of UBE2N levels. <i>Molecular Oncology</i> , 2021, 15, 3659-3678.	2.1	21
1205	From bench side to clinic: Potential and challenges of RNA vaccines and therapeutics in infectious diseases. <i>Molecular Aspects of Medicine</i> , 2021, 81, 101003.	2.7	13
1206	Effects of the lncRNA ENST00000623984 on colon cancer and the biological characteristics of colon cancer cells. <i>European Journal of Histochemistry</i> , 2021, 65, .	0.6	1
1207	RNA 3D Structure Prediction Using Coarse-Grained Models. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 720937.	1.6	30
1208	Two Worlds Colliding: The Interplay Between Natural Compounds and Non-Coding Transcripts in Cancer Therapy. <i>Frontiers in Pharmacology</i> , 2021, 12, 652074.	1.6	4
1209	Candidate methionine target piRNA regulatory networks analysis response to cocaine-conditioned place preference in mice. <i>Brain and Behavior</i> , 2021, 11, e2272.	1.0	3
1212	Long Noncoding RNAs and Human Liver Disease. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2022, 17, 1-21.	9.6	25
1213	Regulatory Non-coding RNAs for Death Associated Protein Kinase Family. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 649100.	1.6	5
1214	lncRNA TUG1 as a ceRNA promotes PM exposure-induced airway hyper-reactivity. <i>Journal of Hazardous Materials</i> , 2021, 416, 125878.	6.5	20
1215	Identification and Characterization of MicroRNAs in Gonads of <i>Helicoverpa armigera</i> (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	9
1216	RNA regulatory mechanisms that control antiviral innate immunity. <i>Immunological Reviews</i> , 2021, 304, 77-96.	2.8	14
1217	The Emerging Role of Non-coding RNAs in Drug Resistance of Ovarian Cancer. <i>Frontiers in Genetics</i> , 2021, 12, 693259.	1.1	9
1218	Long noncoding RNA <i>NEAT1</i> promotes tumorigenesis in <i>H. pylori</i> gastric cancer by sponging miR-30a to regulate COX2/BCL9 pathway. <i>Helicobacter</i> , 2021, 26, e12847.	1.6	10
1219	Engineering Crystal Packing in RNA Structures I: Past and Future Strategies for Engineering RNA Packing in Crystals. <i>Crystals</i> , 2021, 11, 952.	1.0	7
1220	Diversity and Versatility in Small RNA-Mediated Regulation in Bacterial Pathogens. <i>Frontiers in Microbiology</i> , 2021, 12, 719977.	1.5	23
1221	Non-Coding RNA in Systemic Sclerosis: A Valuable Tool for Translational and Personalized Medicine. <i>Genes</i> , 2021, 12, 1296.	1.0	6
1223	The EIF4A3/CASC2/RORA Feedback Loop Regulates the Aggressive Phenotype in Glioblastomas. <i>Frontiers in Oncology</i> , 2021, 11, 699933.	1.3	5

#	ARTICLE	IF	CITATIONS
1224	Geometric deep learning of RNA structure. <i>Science</i> , 2021, 373, 1047-1051.	6.0	190
1225	Noncoding RNAs: Regulatory Molecules of Host-Microbiome Crosstalk. <i>Trends in Microbiology</i> , 2021, 29, 713-724.	3.5	31
1226	Human and herpesvirus microRNAs in periodontal disease. <i>Periodontology 2000</i> , 2021, 87, 325-339.	6.3	15
1227	CircRNF111 Protects Against Insulin Resistance and Lipid Deposition via Regulating miR-143-3p/IGF2R Axis in Metabolic Syndrome. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 663148.	1.8	16
1228	TRERNA1 upregulation mediated by HBx promotes sorafenib resistance and cell proliferation in HCC via targeting NRAS by sponging miR-22-3p. <i>Molecular Therapy</i> , 2021, 29, 2601-2616.	3.7	38
1229	Identification of Glycolysis-Related lncRNAs and the Novel lncRNA WAC-AS1 Promotes Glycolysis and Tumor Progression in Hepatocellular Carcinoma. <i>Frontiers in Oncology</i> , 2021, 11, 733595.	1.3	27
1230	Cryo-EM structures of full-length Tetrahymena ribozyme at 3.1Å... resolution. <i>Nature</i> , 2021, 596, 603-607.	13.7	59
1233	High-throughput dissection of the thermodynamic and conformational properties of a ubiquitous class of RNA tertiary contact motifs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	9
1234	The Role of Noncoding RNA in the Pathophysiology and Treatment of Premature Ovarian Insufficiency. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9336.	1.8	15
1235	Epigenetic Basis of Psychiatric Disorders: A Narrative Review. <i>CNS and Neurological Disorders - Drug Targets</i> , 2022, 21, 302-315.	0.8	4
1236	Application of epigenetics in dermatological research and skin management. <i>Journal of Cosmetic Dermatology</i> , 2021, , .	0.8	0
1238	Possible Roles of tRNA Fragments, as New Regulatory ncRNAs, in the Pathogenesis of Rheumatoid Arthritis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9481.	1.8	5
1240	RHPN1-AS1 promotes ovarian carcinogenesis by sponging miR-6884-5p thus releasing TOP2A mRNA. <i>Oncology Reports</i> , 2021, 46, .	1.2	4
1241	Pseudogene HSPB1P1 contributes to renal cell carcinoma proliferation and metastasis by targeting miR-296-5p to regulate HMGA1 expression. <i>Cell Biology International</i> , 2021, 45, 2479-2489.	1.4	5
1243	Current status of research on exosomes in general, and for the diagnosis and treatment of kidney cancer in particular. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 305.	3.5	30
1244	Systematic Identification and Functional Validation of New snoRNAs in Human Muscle Progenitors. <i>Non-coding RNA</i> , 2021, 7, 56.	1.3	0
1245	Upregulation of serum exosomal miR-21 was associated with poor prognosis of acute myeloid leukemia patients. <i>Food Science and Technology</i> , 0, 42, .	0.8	2
1246	A Bioreductive Protecting Group for RNA Synthesis. <i>Current Protocols</i> , 2021, 1, e240.	1.3	0

#	ARTICLE	IF	CITATIONS
1247	The Cilioprotist Cytoskeleton, a Model for Understanding How Cell Architecture and Pattern Are Specified: Recent Discoveries from Ciliates and Comparable Model Systems. <i>Methods in Molecular Biology</i> , 2022, 2364, 251-295.	0.4	3
1248	Circular RNAs Repertoire and Expression Profile during <i>Brassica rapa</i> Pollen Development. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10297.	1.8	13
1249	Emerging Functions for snoRNAs and snoRNA-Derived Fragments. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10193.	1.8	58
1250	Mechanisms and applications of peptide nucleic acids selectively binding to double-stranded RNA. <i>Biopolymers</i> , 2022, 113, e23476.	1.2	14
1251	CircRNAs: Decrypting the novel targets of fibrosis and aging. <i>Ageing Research Reviews</i> , 2021, 70, 101390.	5.0	15
1252	Profiling of Androgen-Dependent Enhancer RNAs Expression in Human Prostate Tumors: Search for Malignancy Transition Markers. <i>Research and Reports in Urology</i> , 2021, Volume 13, 705-713.	0.6	5
1253	Prospects and challenges of cancer systems medicine: from genes to disease networks. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	7
1254	Integrated analysis of lncRNA and mRNA in liver of <i>Megalobrama amblycephala</i> post <i>Aeromonas hydrophila</i> infection. <i>BMC Genomics</i> , 2021, 22, 653.	1.2	11
1255	Recent Insight on the Non-coding RNAs in Mesenchymal Stem Cell-Derived Exosomes: Regulatory and Therapeutic Role in Regenerative Medicine and Tissue Engineering. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 737512.	1.1	12
1256	Argonaute (AGO) proteins play an essential role in mediating BMP9-induced osteogenic signaling in mesenchymal stem cells (MSCs). <i>Genes and Diseases</i> , 2021, 8, 918-930.	1.5	11
1257	RNA electroelution: Comparing two electroeluter models. <i>Analytical Biochemistry</i> , 2021, 632, 114391.	1.1	1
1258	Noncoding RNAs in pediatric brain tumors: Molecular functions and pathological implications. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 417-431.	2.3	6
1259	Regenerative potential of stem-cell-derived extracellular vesicles. , 2022, , 189-199.		1
1260	Intercellular Communication by Vascular Endothelial Cell-Derived Extracellular Vesicles and Their MicroRNAs in Respiratory Diseases. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 619697.	1.6	19
1261	Purification of RiboNucleoProtein Particles by MS2-MBP Affinity Chromatography. <i>Methods in Molecular Biology</i> , 2021, 2300, 99-106.	0.4	0
1262	The Biological Roles of lncRNAs and Future Prospects in Clinical Application. <i>Diseases (Basel)</i> Tj ETQq1 1 0.784314,rgBT /Overlock 10	1.8	12
1263	Predicting RNA Scaffolds with a Hybrid Method of Vfold3D and VfoldLA. <i>Methods in Molecular Biology</i> , 2021, 2323, 1-11.	0.4	3
1264	Expression and Purification of tRNA/pre-miRNA-Based Recombinant Noncoding RNAs. <i>Methods in Molecular Biology</i> , 2021, 2323, 249-265.	0.4	4

#	ARTICLE	IF	CITATIONS
1266	Differential RNA expression profiles and competing endogenous RNA-associated regulatory networks during the progression of atherosclerosis. <i>Epigenomics</i> , 2021, 13, 99-112.	1.0	5
1267	LncRNA NBR2 inhibits tumorigenesis by regulating autophagy in hepatocellular carcinoma. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111023.	2.5	46
1268	Purification and Structural Characterization of the Long Noncoding. <i>Methods in Molecular Biology</i> , 2021, 2372, 93-110.	0.4	0
1269	Non-coding RNAs in polycystic ovary syndrome: a systematic review and meta-analysis. <i>Reproductive Biology and Endocrinology</i> , 2021, 19, 10.	1.4	47
1270	Nucleobase-Modified Triplex-Forming Peptide Nucleic Acids for Sequence-Specific Recognition of Double-Stranded RNA. <i>Methods in Molecular Biology</i> , 2020, 2105, 157-172.	0.4	15
1271	Post-crystallization Improvement of RNA Crystal Diffraction Quality. <i>Methods in Molecular Biology</i> , 2015, 1316, 13-24.	0.4	2
1272	PAR-CLIP: A Method for Transcriptome-Wide Identification of RNA Binding Protein Interaction Sites. <i>Methods in Molecular Biology</i> , 2016, 1358, 153-173.	0.4	55
1273	Recognition of RNA Sequence and Structure by Duplex and Triplex Formation: Targeting miRNA and Pre-miRNA. <i>RNA Technologies</i> , 2016, , 299-317.	0.2	8
1275	Control of Gene Expression by RNAi: A Revolution in Functional Genomics. , 2017, , 17-57.		2
1276	Genetically Engineered Probiotics. , 2021, , 295-328.		1
1277	Prediction and differential analysis of RNA secondary structure. <i>Quantitative Biology</i> , 2020, 8, 109-118.	0.3	12
1278	Non-coding RNAs: ever-expanding diversity of types and functions. , 2020, , 5-57.		12
1279	Identification of acylation products in SHAPE chemistry. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2506-2509.	1.0	1
1280	Epigenetics in formation, function, and failure of the endocrine pancreas. <i>Molecular Metabolism</i> , 2017, 6, 1066-1076.	3.0	32
1281	Nucleosome destabilization by nuclear non-coding RNAs. <i>Communications Biology</i> , 2020, 3, 60.	2.0	6
1282	RNA-seq reveals the circular RNA and miRNA expression profile of peripheral blood mononuclear cells in patients with rheumatoid arthritis. <i>Bioscience Reports</i> , 2020, 40, .	1.1	41
1283	Toward precise CRISPR DNA fragment editing and predictable 3D genome engineering. <i>Journal of Molecular Cell Biology</i> , 2021, 12, 828-856.	1.5	9
1284	Analysis of a photosynthetic cyanobacterium rich in internal membrane systems via gradient profiling by sequencing (Grad-seq). <i>Plant Cell</i> , 2021, 33, 248-269.	3.1	26

#	ARTICLE	IF	CITATIONS
1285	Identification of two novel functional tRNA-derived fragments induced in response to respiratory syncytial virus infection. <i>Journal of General Virology</i> , 2017, 98, 1600-1610.	1.3	65
1298	LINC01116 promotes proliferation and migration of endometrial stromal cells by targeting FOXP1 via sponging miR-95p in endometriosis. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 2000-2012.	1.6	19
1300	Evolution of Genetic Information without Error Replication. , 2020, , 295-320.		3
1301	Long noncoding RNA H19X is a key mediator of TGF- β -driven fibrosis. <i>Journal of Clinical Investigation</i> , 2020, 130, 4888-4905.	3.9	52
1302	A Competing Endogenous RNA Network Reveals Novel lncRNA, miRNA and mRNA Biomarkers With Diagnostic and Prognostic Value for Early Breast Cancer. <i>Technology in Cancer Research and Treatment</i> , 2020, 19, 153303382098329.	0.8	15
1304	Probing the Limits to MicroRNA-Mediated Control of Gene Expression. <i>PLoS Computational Biology</i> , 2016, 12, e1004715.	1.5	26
1305	Probing Xist RNA Structure in Cells Using Targeted Structure-Seq. <i>PLoS Genetics</i> , 2015, 11, e1005668.	1.5	121
1306	A Comprehensive Reference Transcriptome Resource for the Common House Spider <i>Parasteatoda tepidariorum</i> . <i>PLoS ONE</i> , 2014, 9, e104885.	1.1	57
1307	Identification of Potentially Pathogenic Variants in the Posterior Polymorphous Corneal Dystrophy 1 Locus. <i>PLoS ONE</i> , 2016, 11, e0158467.	1.1	9
1308	RNA-Seq Transcriptomic Responses of Full-Thickness Dermal Excision Wounds to <i>Pseudomonas aeruginosa</i> Acute and Biofilm Infection. <i>PLoS ONE</i> , 2016, 11, e0165312.	1.1	13
1309	Non-Coding RNAs in Aging. <i>Molecules and Cells</i> , 2019, 42, 379-385.	1.0	31
1310	Calcium signaling and transcription: elongation, DoGs, and eRNAs. <i>Receptors & Clinical Investigation</i> , 2016, 3, .	0.9	8
1311	Estrogen-decreased hsa_circ_0001649 promotes stromal cell invasion in endometriosis. <i>Reproduction</i> , 2020, 160, 511-519.	1.1	10
1312	Emerging Properties and Functional Consequences of Noncoding Transcription. <i>Genetics</i> , 2017, 207, 357-367.	1.2	42
1313	Central role of the p53 pathway in the noncoding-RNA response to oxidative stress. <i>Aging</i> , 2017, 9, 2559-2586.	1.4	54
1314	An integrative framework to identify cell death-related microRNAs in esophageal squamous cell carcinoma. <i>Oncotarget</i> , 2016, 7, 56758-56766.	0.8	6
1315	LncRNA RSU1P2 contributes to tumorigenesis by acting as a ceRNA against let-7a in cervical cancer cells. <i>Oncotarget</i> , 2017, 8, 43768-43781.	0.8	69
1316	An XIST-related small RNA regulates KRAS G-quadruplex formation beyond X-inactivation. <i>Oncotarget</i> , 2016, 7, 86713-86729.	0.8	4

#	ARTICLE	IF	CITATIONS
1317	Benzene and its metabolite decreases cell proliferation via LncRNA-OBFC2A-mediated anti-proliferation effect involving NOTCH1 and KLF15. <i>Oncotarget</i> , 2017, 8, 40857-40871.	0.8	18
1318	Melatonin suppresses hepatocellular carcinoma progression via lncRNA-CPS1-IT-mediated HIF-1 α inactivation. <i>Oncotarget</i> , 2017, 8, 82280-82293.	0.8	33
1319	Long non-coding RNA Lucat1 is a poor prognostic factor and demonstrates malignant biological behavior in clear cell renal cell carcinoma. <i>Oncotarget</i> , 2017, 8, 113622-113634.	0.8	33
1320	Inhibition of EZH2 triggers the tumor suppressive miR-29b network in multiple myeloma. <i>Oncotarget</i> , 2017, 8, 106527-106537.	0.8	60
1321	Small non-coding RNA profiling in human biofluids and surrogate tissues from healthy individuals: description of the diverse and most represented species. <i>Oncotarget</i> , 2018, 9, 3097-3111.	0.8	56
1322	MicroRNA (miR) dysregulation during <i>Helicobacter pylori</i> -induced gastric inflammation and cancer development: critical importance of miR-155. <i>Oncotarget</i> , 2020, 11, 894-904.	0.8	19
1323	An overview of long non-coding RNAs in ovarian cancers. <i>Oncotarget</i> , 2016, 7, 44719-44734.	0.8	50
1324	Long noncoding RNA ZFAS1 promotes gastric cancer cells proliferation by epigenetically repressing KLF2 and NKD2 expression. <i>Oncotarget</i> , 2017, 8, 38227-38238.	0.8	135
1325	Long noncoding RNA CPS1-IT1 suppresses the metastasis of hepatocellular carcinoma by regulating HIF-1 α activity and inhibiting epithelial-mesenchymal transition. <i>Oncotarget</i> , 2016, 7, 43588-43603.	0.8	59
1326	Comparative Analysis of RNA Structures Reveals an mRNA-mRNA Interaction Controlling <i>Listeria</i> Virulence Factor Expression. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
1327	LncRNA GIHCG Promotes the Development of Esophageal Cancer by Modulating miR-29b-3p/ANO1 Axis. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 13387-13400.	1.0	7
1328	Therapeutic Aptamers: Evolving to Find their Clinical Niche. <i>Current Medicinal Chemistry</i> , 2020, 27, 4181-4193.	1.2	13
1329	Lipid-based Vehicles for siRNA Delivery in Biomedical Field. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 3-22.	0.9	8
1330	Circular RNAs in Eukaryotic Cells. <i>Current Genomics</i> , 2015, 16, 312-318.	0.7	122
1331	The Application of the RNA Interference Technologies for KRAS: Current Status, Future Perspective and Associated Challenges. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 2143-2157.	1.0	8
1332	Re-annotation of eight <i>Drosophila</i> genomes. <i>Life Science Alliance</i> , 2018, 1, e201800156.	1.3	46
1333	Circular RNAs Regulate Cancer Onset and Progression via Wnt/ β -Catenin Signaling Pathway. <i>Yonsei Medical Journal</i> , 2019, 60, 1117.	0.9	31
1334	The MicroRNA hsa-let-7g Promotes Proliferation and Inhibits Apoptosis in Lung Cancer by Targeting HOXB1. <i>Yonsei Medical Journal</i> , 2020, 61, 210.	0.9	11

#	ARTICLE	IF	CITATIONS
1335	<i>Helicobacter pylori</i> -induced inflammation and epigenetic changes during gastric carcinogenesis. <i>World Journal of Gastroenterology</i> , 2015, 21, 12742.	1.4	92
1336	Noncoding RNAs and pancreatic cancer. <i>World Journal of Gastroenterology</i> , 2016, 22, 801.	1.4	54
1337	Diagnostic and prognostic potential of tissue and circulating long non-coding RNAs in colorectal tumors. <i>World Journal of Gastroenterology</i> , 2019, 25, 5026-5048.	1.4	81
1338	Long non-coding RNA SNHG9 inhibits ovarian cancer progression by sponging microRNA-214-5p. <i>Oncology Letters</i> , 2020, 21, 80.	0.8	7
1339	Probing the evolutionary history of epigenetic mechanisms: what can we learn from marine diatoms. <i>AIMS Genetics</i> , 2015, 02, 173-191.	1.9	18
1340	Transcriptomic Analysis Reveals Receptor Subclass-Specific Immune Regulation of CD8+ T Cells by Opioids. <i>ImmunoHorizons</i> , 2020, 4, 420-429.	0.8	4
1341	Long Noncoding RNAs in HPV-Induced Oncogenesis. <i>Advances in Tumor Virology</i> , 0, 6, 1-9.	0.0	5
1342	Functional Analysis of RNA Motifs Essential for BC200 RNA-mediated Translational Regulation. <i>BMB Reports</i> , 2020, 53, 94-99.	1.1	1
1343	Kinetochores inactivation by expression of a repressive mRNA. <i>ELife</i> , 2017, 6, .	2.8	66
1344	The mlpt/Ubr3/Svb module comprises an ancient developmental switch for embryonic patterning. <i>ELife</i> , 2019, 8, .	2.8	19
1345	A single H/ACA small nucleolar RNA mediates tumor suppression downstream of oncogenic RAS. <i>ELife</i> , 2019, 8, .	2.8	89
1346	MicroRNAs tend to synergistically control expression of genes encoding extensively-expressed proteins in humans. <i>PeerJ</i> , 2017, 5, e3682.	0.9	22
1347	Changes in long non-coding RNA transcriptomic profiles after ischemia-reperfusion injury in rat spinal cord. <i>PeerJ</i> , 2020, 8, e8293.	0.9	12
1348	Pan-cancer systematic identification of lncRNAs associated with cancer prognosis. <i>PeerJ</i> , 2020, 8, e8797.	0.9	3
1349	Assessing Global-Local Secondary Structure Fingerprints to Classify RNA Sequences With Deep Learning. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2023, 20, 2736-2747.	1.9	0
1350	lncRNA ZEB1-AS1 knockdown alleviates oxidative low-density lipoprotein-induced endothelial cell injury via the miR-590-5p/HDAC9 axis. <i>Central-European Journal of Immunology</i> , 2021, 46, 325-335.	0.4	4
1351	Long Noncoding RNA <i>MIAT</i> Controls Advanced Atherosclerotic Lesion Formation and Plaque Destabilization. <i>Circulation</i> , 2021, 144, 1567-1583.	1.6	82
1352	Aberrant H19 Expression Disrupts Ovarian Cyp17 and Testosterone Production and Is Associated with Polycystic Ovary Syndrome in Women. <i>Reproductive Sciences</i> , 2022, 29, 1357-1367.	1.1	8

#	ARTICLE	IF	CITATIONS
1353	Capture of the newly transcribed RNA interactome using click chemistry. <i>Nature Protocols</i> , 2021, 16, 5193-5219.	5.5	5
1354	The epitranscriptome of small non-coding RNAs. <i>Non-coding RNA Research</i> , 2021, 6, 167-173.	2.4	13
1355	N6-methyladenosine RNA modification and its interaction with regulatory non-coding RNAs in colorectal cancer. <i>RNA Biology</i> , 2021, 18, 551-561.	1.5	7
1356	Functional Roles of Non-coding RNAs in the Interaction Between Host and Influenza A Virus. <i>Frontiers in Microbiology</i> , 2021, 12, 742984.	1.5	5
1357	Computational modeling of RNase, antisense ORF0 RNA, and intracellular compartmentation and their impact on the life cycle of the line retrotransposon. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 5667-5677.	1.9	0
1358	PAR-CLIP: A Method for Transcriptome-Wide Identification of RNA Binding Protein Interaction Sites. <i>Methods in Molecular Biology</i> , 2022, 2404, 167-188.	0.4	9
1359	Mutate-and-chemical-shift-fingerprint (MCSF) to characterize excited states in RNA using NMR spectroscopy. <i>Nature Protocols</i> , 2021, 16, 5146-5170.	5.5	0
1360	Interactions between long non-coding RNAs and RNA-binding proteins in cancer (Review). <i>Oncology Reports</i> , 2021, 46, .	1.2	16
1361	Getting to the bottom of lncRNA mechanism: structure-function relationships. <i>Mammalian Genome</i> , 2022, 33, 343-353.	1.0	15
1362	Mechanism underlying circularRNA_014301-mediated regulation of neuronal cell inflammation and apoptosis. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1432.	0.8	6
1363	Health or Disease - Why Does "Dark Matter" Matter More?. <i>Journal of Investigative Genomics</i> , 2014, 1, .	0.2	0
1365	How Noncoding RNAs Contribute to Macrophage Polarization. , 2015, , 59-84.		2
1367	Methods for Biomarker Analysis. , 2015, , 159-171.		0
1368	miRNA Mediated Post-Transcriptional Gene Regulation in Response to Abiotic Stress in Plants. <i>Journal of Student Research</i> , 2015, 4, 21-28.	0.0	0
1373	Long Noncoding RNAs in Heart Disease. <i>Cardiac and Vascular Biology</i> , 2016, , 297-316.	0.2	1
1376	Abiotic Stress Tolerance in Soybean : Regulated by ncRNA. <i>Journal of AgriSearch</i> , 2016, 3, .	0.1	0
1381	MicroRNAs in Human Cancers. , 2017, , 239-264.		0
1382	Kontrolle der Genexpression. , 0, , 411-489.		0

#	ARTICLE	IF	CITATIONS
1383	Noncoding RNA and Epigenetic Change in Hematopoietic Stem Cell Aging. , 2018, , 1-29.		0
1384	Developmental Origins of Cancer. , 0, , 111-146.		0
1386	Synthesis and Properties of Oligonucleotides Containing 3â€²-O,4â€²-C-Ethyleneoxy-Bridged 5-Methyluridines. Heterocycles, 2018, 97, 306.	0.4	2
1397	Noncoding RNA and Epigenetic Change in Hematopoietic Stem Cell Aging. , 2019, , 1011-1038.		0
1398	Long Noncoding RNAs in Cardiovascular Disease. Cardiac and Vascular Biology, 2019, , 199-288.	0.2	1
1399	Nucleic Acid-Based Biosensors and Molecular Devices. , 2019, , 301-364.		0
1402	Small non-coding RNAs: from trash to treasure. Jornal Brasileiro De Nefrologia: Orgao Oficial De Sociedades Brasileira E Latino-Americana De Nefrologia, 2019, 41, 168-169.	0.4	1
1412	Triticeaeâ€™da abiyotik stresle iliÅƒkili miRNAâ€™lar. AtatÅƒrk Ãœniversitesi Ziraat FakÃ¼ltesi Dergisi, 0, , 207-208.		0
1420	Triosephosphate isomerase from bakerâ€™s yeast â€™ ribozyme versus protein. Open Journal of Analytical and Bioanalytical Chemistry, 2020, , 020-028.	0.4	1
1422	Single Nucleotide Resolution RNAâ€™Protein Cross-Linking Mass Spectrometry: A Simple Extension of the CLIR-MS Workflow. Analytical Chemistry, 2021, 93, 14626-14634.	3.2	10
1423	Non-Coding RNAs as Regulators of Myogenesis and Postexercise Muscle Regeneration. International Journal of Molecular Sciences, 2021, 22, 11568.	1.8	9
1424	Mechanisms of Osteoprotective Actions of Estrogens. , 2020, , 503-523.		2
1425	Assessing the Use of Secondary Structure Fingerprints and Deep Learning to Classify RNA Sequences. , 2020, , .		5
1426	Deep forest ensemble learning for classification of alignments of non-coding RNA sequences based on multi-view structure representations. Briefings in Bioinformatics, 2021, 22, .	3.2	7
1427	CoCoNetâ€™boosting RNA contact prediction by convolutional neural networks. Nucleic Acids Research, 2021, 49, 12661-12672.	6.5	3
1428	Long Noncoding RNA LINC01435 Impedes Diabetic Wound Healing by Facilitating YY1-Mediated HDAC8 Expression. SSRN Electronic Journal, 0, , .	0.4	0
1429	The Role of Epigenetics in Type 1 Diabetes. Advances in Experimental Medicine and Biology, 2020, 1253, 223-257.	0.8	18
1430	Extraction of peroxisome proliferator-activated receptor Î± agonist-induced lipid metabolism-related and unrelated genes in rat liver and analysis of their genomic location. Journal of Toxicological Sciences, 2020, 45, 449-473.	0.7	2

#	ARTICLE	IF	CITATIONS
1431	Epigenetics of Primary Biliary Cholangitis. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1253, 259-283.	0.8	7
1432	Epigenetic-related mechanisms. , 2020, , 177-197.		0
1433	HDAC inhibitor sodium butyrate prevents allergic rhinitis and alters lncRNA and mRNA expression profiles in the nasal mucosa of mice. <i>International Journal of Molecular Medicine</i> , 2020, 45, 1150-1162.	1.8	12
1434	Long Non-Coding RNAs in Oral Submucous Fibrosis: Their Functional Mechanisms and Recent Research Progress. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 5787-5800.	1.6	4
1435	RNA promotes the formation of spatial compartments in the nucleus. <i>Cell</i> , 2021, 184, 5775-5790.e30.	13.5	192
1436	Pseudoknot length modulates the folding, conformational dynamics, and robustness of Xrn1 resistance of flaviviral xrRNAs. <i>Nature Communications</i> , 2021, 12, 6417.	5.8	15
1437	Role of Non-Coding RNAs in Post-Transcriptional Regulation of Lung Diseases. <i>Frontiers in Genetics</i> , 2021, 12, 767348.	1.1	11
1438	LncRNA NONHSAT030515 promotes the chondrogenic differentiation of human adipose-derived stem cells via regulating the miR-490-5p/BMP2 axis. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 658.	0.9	4
1441	Targeting Noncoding RNA Domains to Genomic Loci with CRISPR-Display: Guidelines for Designing, Building, and Testing sgRNA-ncRNA Expression Constructs. <i>Methods in Molecular Biology</i> , 2021, 2162, 115-152.	0.4	0
1442	Computational prediction of RNA tertiary structures using machine learning methods*. <i>Chinese Physics B</i> , 2020, 29, 108704.	0.7	5
1443	A saturating mutagenesis CRISPR-Cas9-mediated functional genomic screen identifies cis- and trans-regulatory elements of Oct4 in murine ESCs. <i>Journal of Biological Chemistry</i> , 2020, 295, 15797-15809.	1.6	6
1445	Bruceine D inhibits Cell Proliferation Through Downregulating LINC01667/MicroRNA-138-5p/Cyclin E1 Axis in Gastric Cancer. <i>Frontiers in Pharmacology</i> , 2020, 11, 584960.	1.6	13
1446	Linc-POU3F3 promotes cell proliferation in gastric cancer via increasing T-reg distribution. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 2262-9.	0.0	42
1447	Circular RNAs in digestive system cancer: potential biomarkers and therapeutic targets. <i>American Journal of Cancer Research</i> , 2018, 8, 1142-1156.	1.4	28
1448	The animal nuclear factor Y: an enigmatic and important heterotrimeric transcription factor. <i>American Journal of Cancer Research</i> , 2018, 8, 1106-1125.	1.4	10
1449	LncRNA-NBAT-1 modulates esophageal cancer proliferation via PKM2. <i>American Journal of Translational Research (discontinued)</i> , 2019, 11, 5978-5987.	0.0	5
1450	LINC00152 promotes pancreatic cancer cell proliferation, migration and invasion via targeting miR-150. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 2241-2256.	0.0	5
1451	LncRNA PVT1 epigenetically stabilizes and post-transcriptionally regulates FOXM1 by acting as a microRNA sponge and thus promotes malignant behaviors of ovarian cancer cells. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 2860-2874.	0.0	5

#	ARTICLE	IF	CITATIONS
1452	The microRNA miR-21 conditions the brain to protect against ischemic and traumatic injuries. <i>Conditioning Medicine</i> , 2017, 1, 35-46.	1.3	0
1453	LncRNA IncAY is upregulated by sulfatide via Myb/MEF2C acetylation to promote the tumorigenicity of hepatocellular carcinoma cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2022, 1865, 194777.	0.9	4
1454	Emerging role of long non-coding RNAs in endothelial dysfunction and their molecular mechanisms. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112421.	2.5	25
1455	Binding free energy decomposition and multiple unbinding paths of buried ligands in a PreQ1 riboswitch. <i>PLoS Computational Biology</i> , 2021, 17, e1009603.	1.5	6
1458	LncPVT1 regulates osteogenic differentiation of human periodontal ligament cells via miR-10a-5p/brain-derived neurotrophic factor. <i>Journal of Periodontology</i> , 2022, 93, 1093-1106.	1.7	4
1459	The role of noncoding RNAs in Parkinson's disease: biomarkers and associations with pathogenic pathways. <i>Journal of Biomedical Science</i> , 2021, 28, 78.	2.6	45
1460	An Immune-Related lncRNA Signature to Predict the Biochemical Recurrence and Immune Landscape in Prostate Cancer. <i>International Journal of General Medicine</i> , 2021, Volume 14, 9031-9049.	0.8	0
1461	MicroRNAs: From Junk RNA to Life Regulators and Their Role in Cardiovascular Disease. <i>Neurology International</i> , 2021, 11, 230-254.	0.2	1
1462	Non-coding regulatory elements: Potential roles in disease and the case of epilepsy. <i>Neuropathology and Applied Neurobiology</i> , 2022, 48, .	1.8	14
1463	Identification of Potential Long Non-Coding RNA Candidates that Contribute to Triple-Negative Breast Cancer in Humans through Computational Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12359.	1.8	5
1464	Genetic Biomarkers in Chronic Myeloid Leukemia: What Have We Learned So Far?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12516.	1.8	19
1465	Non-coding RNAs and their bioengineering applications for neurological diseases. <i>Bioengineered</i> , 2021, 12, 11675-11698.	1.4	14
1466	Identification of Long Non-Coding RNAs Associated with Tomato Fruit Expansion and Ripening by Strand-Specific Paired-End RNA Sequencing. <i>Horticulturae</i> , 2021, 7, 522.	1.2	4
1467	Long non-coding RNAs as possible therapeutic targets in protozoa, and in <i>Schistosoma</i> and other helminths. <i>Parasitology Research</i> , 2022, 121, 1091-1115.	0.6	5
1468	The "guiding" principles of noncoding RNA function. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1704.	3.2	22
1469	Long Non-Coding RNA Neighbor of BRCA1 Gene 2: A Crucial Regulator in Cancer Biology. <i>Frontiers in Oncology</i> , 2021, 11, 783526.	1.3	1
1470	RNAStat: An Integrated Tool for Statistical Analysis of RNA 3D Structures. <i>Frontiers in Bioinformatics</i> , 2022, 1, .	1.0	1
1471	Regulation of Heterogenous LexA Expression in <i>Staphylococcus aureus</i> by an Antisense RNA Originating from Transcriptional Read-Through upon Natural Mispairings in the sbrB Intrinsic Terminator. <i>International Journal of Molecular Sciences</i> , 2022, 23, 576.	1.8	1

#	ARTICLE	IF	CITATIONS
1472	The long and short of it: long noncoding RNAs in neural development and diseases. <i>Frontiers in Bioscience</i> , 2021, 26, 258.	0.8	0
1474	Cooperativity and Interdependency between RNA Structure and RNA-RNA Interactions. <i>Non-coding RNA</i> , 2021, 7, 81.	1.3	5
1475	Noncoding RNAs in Drug Resistance of Gastrointestinal Stromal Tumor. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 808591.	1.8	3
1476	Skeletal and gene-regulatory functions of nuclear sex steroid hormone receptors. <i>Journal of Bone and Mineral Metabolism</i> , 2022, 40, 361-374.	1.3	3
1477	Epigenetic regulation by gut microbiota. <i>Gut Microbes</i> , 2022, 14, 2022407.	4.3	90
1478	Cryo-Treatment Enhances the Embryogenicity of Mature Somatic Embryos via the lncRNA-miRNA-mRNA Network in White Spruce. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1111.	1.8	14
1479	The use of machine learning to discover regulatory networks controlling biological systems. <i>Molecular Cell</i> , 2022, 82, 260-273.	4.5	11
1480	Identification of mRNA-miRNA-lncRNA regulatory network associated with the immune response to <i>Aeromonas salmonicida</i> infection in the black rockfish (<i>Sebastes schlegelii</i>). <i>Developmental and Comparative Immunology</i> , 2022, 130, 104357.	1.0	13
1481	Translation and emerging functions of non-coding RNAs in inflammation and immunity. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 2025-2037.	2.7	26
1482	DANSR: A Tool for the Detection of Annotated and Novel Small RNAs. <i>Non-coding RNA</i> , 2022, 8, 9.	1.3	0
1484	Optogenetic control of RNA function and metabolism using engineered light-switchable RNA-binding proteins. <i>Nature Biotechnology</i> , 2022, 40, 779-786.	9.4	35
1485	Regulatory effects of lncRNAs and miRNAs on the crosstalk between autophagy and EMT in cancer: a new era for cancer treatment. <i>Journal of Cancer Research and Clinical Oncology</i> , 2022, 148, 547-564.	1.2	14
1486	Deep structural insights into RNA-binding disordered protein regions. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1714.	3.2	16
1487	New insights into the interplay between long non-coding RNAs and RNA-binding proteins in cancer. <i>Cancer Communications</i> , 2022, 42, 117-140.	3.7	82
1488	miR-30d-5p: A Non-Coding RNA With Potential Diagnostic, Prognostic and Therapeutic Applications. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 829435.	1.8	4
1489	Mosquito long non-coding RNAs are enriched with Transposable Elements. <i>Genetics and Molecular Biology</i> , 2022, 45, e20210215.	0.6	0
1490	RNA- and miRNA-interference to enhance abiotic stress tolerance in plants. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2022, 31, 689-704.	0.9	13
1491	Noncoding RNAs from tissue-derived small extracellular vesicles: Roles in diabetes and diabetic complications. <i>Molecular Metabolism</i> , 2022, 58, 101453.	3.0	12

#	ARTICLE	IF	CITATIONS
1492	Exosomal-long non-coding RNAs journey in colorectal cancer: Evil and goodness faces of key players. <i>Life Sciences</i> , 2022, 292, 120325.	2.0	47
1493	Transcriptome-Wide Identification of Coding and Noncoding RNA-Binding Proteins Defines the Comprehensive RNA Interactome of <i>Leishmania mexicana</i> . <i>Microbiology Spectrum</i> , 2022, 10, e0242221.	1.2	8
1494	Long non-coding RNAs as the critical regulators of epithelial mesenchymal transition in colorectal tumor cells: an overview. <i>Cancer Cell International</i> , 2022, 22, 71.	1.8	29
1495	Knotify: An Efficient Parallel Platform for RNA Pseudoknot Prediction Using Syntactic Pattern Recognition. <i>Methods and Protocols</i> , 2022, 5, 14.	0.9	5
1496	Optical Imaging of Epigenetic Modifications in Cancer: A Systematic Review. <i>Phenomics</i> , 2022, 2, 88-101.	0.9	6
1497	Conjugation of RNA <i>via</i> 2'-OH acylation: Mechanisms determining nucleotide reactivity. <i>Chemical Communications</i> , 2022, 58, 3693-3696.	2.2	5
1498	Long non-coding RNA: Emerging role in Hepatocellular Carcinoma. , 2022, , 327-340.		0
1499	Energy-resolved mass spectrometry to investigate nucleobase triplexes – a study applied to triplex-forming artificial nucleobases. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
1500	Towards Molecular Mechanism in Long Non-coding RNAs: Linking Structure and Function. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1363, 23-32.	0.8	1
1501	Cryo-EM advances in RNA structure determination. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 58.	7.1	54
1502	A micropeptide XBP1SBM encoded by lncRNA promotes angiogenesis and metastasis of TNBC via XBP1s pathway. <i>Oncogene</i> , 2022, 41, 2163-2172.	2.6	15
1503	The non-coding genome in early human development – Recent advancements. <i>Seminars in Cell and Developmental Biology</i> , 2022, , .	2.3	2
1504	Dysregulated pseudogene <i>BNIP3P1</i> inhibited cell proliferation and promoted cell apoptosis in preeclampsia by acting as a competing endogenous <i>RNA</i> for <i>BNIP3</i> . <i>Environmental Toxicology</i> , 2022, 37, 971-982.	2.1	1
1506	Chemical reversible crosslinking enables measurement of RNA 3D distances and alternative conformations in cells. <i>Nature Communications</i> , 2022, 13, 911.	5.8	16
1507	Total RNA Synthesis and its Covalent Labeling Innovation. <i>Topics in Current Chemistry</i> , 2022, 380, 16.	3.0	4
1508	Discovery of a large-scale, cell-state-responsive allosteric switch in the 7SK RNA using DANCE-MaP. <i>Molecular Cell</i> , 2022, 82, 1708-1723.e10.	4.5	40
1510	Aerobic exercise elicits clinical adaptations in myotonic dystrophy type 1 patients independently of pathophysiological changes. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	21
1511	The Role of Extracellular Non-coding RNAs in Atherosclerosis. <i>Journal of Cardiovascular Translational Research</i> , 2022, 15, 477-491.	1.1	3

#	ARTICLE	IF	CITATIONS
1512	Role of long non-coding RNA in plant responses to abiotic stresses. <i>Acta Physiologiae Plantarum</i> , 2022, 44, 1.	1.0	4
1513	Roles of RNA-binding proteins in immune diseases and cancer. <i>Seminars in Cancer Biology</i> , 2022, 86, 310-324.	4.3	14
1514	The critical role of epigenetic mechanisms involved in nanotoxicology. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, , e1789.	3.3	1
1516	Oxidative RNA Damage in the Pathogenesis and Treatment of Type 2 Diabetes. <i>Frontiers in Physiology</i> , 2022, 13, 725919.	1.3	12
1518	HSF1-Activated Non-Coding Stress Response: Satellite lncRNAs and Beyond, an Emerging Story with a Complex Scenario. <i>Genes</i> , 2022, 13, 597.	1.0	11
1519	Structure–function relationship of long noncoding <scp>RNAs</scp>: Advances and challenges. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2022, 12, .	6.2	0
1520	Selective cleavage of ncRNA and antiviral activity by RNase2/EDN in THP1-induced macrophages. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 209.	2.4	9
1521	A Quartet Network Analysis Identifying Mechanically Responsive Long Noncoding RNAs in Bone Remodeling. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 780211.	2.0	2
1522	MiRNAs as predictors of bipolar disorder diagnosis and treatment response. , 2022, , 223-237.		0
1523	The long non-coding RNA UPAT promotes gastric cancer cell progression via UHRF1. <i>Genes and Genomics</i> , 2022, , 1.	0.5	0
1524	Non-Coding RNAs in Sepsis-Associated Acute Kidney Injury. <i>Frontiers in Physiology</i> , 2022, 13, 830924.	1.3	4
1525	Potential roles of exosomal non-coding RNAs in chemoresistance in pancreatic cancer. <i>World Chinese Journal of Digestology</i> , 2022, 30, 303-309.	0.0	0
1526	lncRNA deregulation in childhood acute lymphoblastic leukemia: A systematic review. <i>International Journal of Oncology</i> , 2022, 60, .	1.4	3
1527	Long noncoding RNA LINC01435 impedes diabetic wound healing by facilitating YY1-mediated HDAC8 expression. <i>IScience</i> , 2022, 25, 104006.	1.9	12
1528	A novel 27-bp indel in the intron region of the YBX3 gene is associated with growth traits in chickens. <i>British Poultry Science</i> , 2022, , .	0.8	1
1529	Epigenetic modifications in spinal ligament aging. <i>Ageing Research Reviews</i> , 2022, 77, 101598.	5.0	7
1530	Major and minor U small nuclear RNAs genes characterization in a neotropical fish genome: Chromosomal remodeling and repeat units dispersion in Parodontidae. <i>Gene</i> , 2022, 826, 146459.	1.0	5
1531	Distinct small non-coding RNA landscape in the axons and released extracellular vesicles of developing primary cortical neurons and the axoplasm of adult nerves. <i>RNA Biology</i> , 2021, 18, 832-855.	1.5	8

#	ARTICLE	IF	CITATIONS
1532	Long Noncoding RNA and Circular RNA Expression Profiles of Monocyte-Derived Dendritic Cells in Autoimmune Hepatitis. <i>Frontiers in Pharmacology</i> , 2021, 12, 792138.	1.6	4
1533	Circular RNA circEysyt2 regulates vascular smooth muscle cell remodeling via splicing regulation. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	44
1534	RNA-Strukturaufklärung durch chemische Modifikation. , 2022, , 811-829.		0
1535	Role of Exosomal Non-Coding RNAs in Bone-Related Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 811666.	1.8	6
1536	Hypoxia-Inducible Non-coding RNAs in Mesenchymal Stem Cell Fate and Regeneration. <i>Frontiers in Dental Medicine</i> , 2021, 2, .	0.5	2
1537	miR-340-5p inhibits pancreatic acinar cell inflammation and apoptosis via targeted inhibition of HMGB1. <i>Experimental and Therapeutic Medicine</i> , 2021, 23, 140.	0.8	3
1538	Transcriptional Association between mRNAs and Their Paired Natural Antisense Transcripts Following <i>Fusarium oxysporum</i> Inoculation in <i>Brassica rapa</i> L.. <i>Horticulturae</i> , 2022, 8, 17.	1.2	8
1540	The Small Open Reading Frame-Encoded Peptides: Advances in Methodologies and Functional Studies. <i>ChemBioChem</i> , 2022, 23, .	1.3	4
1541	Natural circularly permuted group II introns in bacteria produce RNA circles. <i>IScience</i> , 2021, 24, 103431.	1.9	7
1542	DNA, RNA Chemical Properties (Including Sequencing and Next-Generation Sequencing). , 2022, , .		0
1543	Exploring the expanding universe of small RNAs. <i>Nature Cell Biology</i> , 2022, 24, 415-423.	4.6	65
1544	Epigenetic regulation of autophagy in coronavirus disease 2019 (COVID-19). <i>Biochemistry and Biophysics Reports</i> , 2022, 30, 101264.	0.7	2
1545	Long Noncoding RNAs That Function in Nutrition: Lnc-ing Nutritional Cues to Metabolic Pathways. <i>Annual Review of Nutrition</i> , 2022, 42, 251-274.	4.3	2
1546	Foam Cells in Atherosclerosis: Novel Insights Into Its Origins, Consequences, and Molecular Mechanisms. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 845942.	1.1	57
1547	Isotope Labels Combined with Solution NMR Spectroscopy Make Visible the Invisible Conformations of Small-to-Large RNAs. <i>Chemical Reviews</i> , 2022, 122, 9357-9394.	23.0	12
1548	Construction of lncRNA-Mediated Competing Endogenous RNA Networks Correlated With T2 Asthma. <i>Frontiers in Genetics</i> , 2022, 13, 872499.	1.1	4
1549	Construction of a competing endogenous RNA network and identification of potential regulatory axes in gastric cancer chemoresistance. <i>Pathology Research and Practice</i> , 2022, 234, 153904.	1.0	2
1550	Non-coding RNAs and ferroptosis: potential implications for cancer therapy. <i>Cell Death and Differentiation</i> , 2022, 29, 1094-1106.	5.0	48

#	ARTICLE	IF	CITATIONS
1613	Classification and clustering of RNA crosslink-ligation data reveal complex structures and homodimers. <i>Genome Research</i> , 2022, , .	2.4	4
1614	Concepts and applications of bioinformatics for sustainable agriculture. , 2022, , 455-489.		0
1615	rna-tools.online: a Swiss army knife for RNA 3D structure modeling workflow. <i>Nucleic Acids Research</i> , 2022, 50, W657-W662.	6.5	4
1616	Small Noncoding RNA, microRNA in Gene Regulation. <i>Learning Materials in Biosciences</i> , 2022, , 167-190.	0.2	2
1617	LncRNA MBNL1-AS1 Represses Proliferation and Cancer Stem-Like Properties of Breast Cancer through MBNL1-AS1/ZFP36/CENPA Axis. <i>Journal of Oncology</i> , 2022, 2022, 1-22.	0.6	6
1618	Functional and Pathogenic Roles of Retroviral Antisense Transcripts. <i>Frontiers in Immunology</i> , 2022, 13, 875211.	2.2	6
1619	Itâ€™s a DoG-eat-DoG worldâ€™ altered transcriptional mechanisms drive downstream-of-gene (DoG) transcript production. <i>Molecular Cell</i> , 2022, 82, 1981-1991.	4.5	12
1620	DMDRMR promotes angiogenesis via antagonizing DAB2IP in clear cell renal cell carcinoma. <i>Cell Death and Disease</i> , 2022, 13, 456.	2.7	5
1621	Quantitative Structureâ€™Activity Relationship (QSAR) Study Predicts Small-Molecule Binding to RNA Structure. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 7262-7277.	2.9	21
1622	Effects of PAMK on lncRNA, miRNA, and mRNA expression profiles of thymic epithelial cells. <i>Functional and Integrative Genomics</i> , 2022, 22, 849-863.	1.4	1
1623	A long non-coding RNA as a direct vitamin D target transcribed from the antisense strand of the human HSD17B2 locus. <i>Bioscience Reports</i> , 2022, 42, .	1.1	2
1624	SHAPE-enabled fragment-based ligand discovery for RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2122660119.	3.3	21
1625	Small and intermediate size structural RNAs in the unicellular parasite <i>Cryptosporidium parvum</i> as revealed by sRNA-seq and comparative genomics. <i>Microbial Genomics</i> , 2022, 8, .	1.0	2
1627	The Involvement of Long Non-Coding RNAs in Glioma: From Early Detection to Immunotherapy. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	8
1628	LINC00958: A promising long non-coding RNA related to cancer. <i>Biomedicine and Pharmacotherapy</i> , 2022, 151, 113087.	2.5	8
1629	Emerging Roles of Non-Coding RNAs in Childhood Asthma. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	5
1630	Emerging role of epigenetic regulations in periodontitis: a literature review.. <i>American Journal of Translational Research (discontinued)</i> , 2022, 14, 2162-2183.	0.0	0
1634	SSRTool: A web tool for evaluating RNA secondary structure predictions based on species-specific functional interpretability. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 2473-2483.	1.9	4

#	ARTICLE	IF	CITATIONS
1635	The Targeting of Noncoding RNAs by Quercetin in Cancer Prevention and Therapy. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-15.	1.9	9
1636	Long Noncoding RNAs in Lung Cancer: From Disease Markers to Treatment Roles. <i>Cancer Management and Research</i> , 0, Volume 14, 1771-1782.	0.9	4
1637	R-BIND 2.0: An Updated Database of Bioactive RNA-Targeting Small Molecules and Associated RNA Secondary Structures. <i>ACS Chemical Biology</i> , 2022, 17, 1556-1566.	1.6	20
1638	The Second Class of Tetrahydrofolate (THF-II) Riboswitches Recognizes the Tetrahydrofolic Acid Ligand via Local Conformation Changes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5903.	1.8	3
1639	Efficacy and safety of Sanfeng Tongqiao Diwan in patients with allergic rhinitis: a single-arm clinical trial in China. <i>Annals of Translational Medicine</i> , 2022, .	0.7	2
1640	Examples of Inverse Comorbidity between Cancer and Neurodegenerative Diseases: A Possible Role for Noncoding RNA. <i>Cells</i> , 2022, 11, 1930.	1.8	17
1641	Predictive and Prognostic Value of Non-Coding RNA in Breast Cancer. <i>Cancers</i> , 2022, 14, 2952.	1.7	8
1642	Genome-wide analysis of the <i>in vivo</i> tRNA structurome reveals RNA structural and modification dynamics under heat stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	20
1643	MicroRNAs and other small RNAs in <i>Aedes aegypti</i> saliva and salivary glands following chikungunya virus infection. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
1644	Affinity-Based Profiling of the Flavin Mononucleotide Riboswitch. <i>Journal of the American Chemical Society</i> , 2022, 144, 10462-10470.	6.6	12
1645	Novel insights into the interaction between <i>N6-methyladenosine</i> methylation and noncoding RNAs in musculoskeletal disorders. <i>Cell Proliferation</i> , 2022, 55, .	2.4	20
1646	The effect of HIF on metabolism and immunity. <i>Nature Reviews Nephrology</i> , 2022, 18, 573-587.	4.1	114
1647	Identify Functional lncRNAs in Nonalcoholic Fatty Liver Disease by Constructing a ceRNA Network. <i>ACS Omega</i> , 0, .	1.6	2
1648	Recent Deep Learning Methodology Development for RNA-RNA Interaction Prediction. <i>Symmetry</i> , 2022, 14, 1302.	1.1	2
1649	Risk SNP-mediated LINC01614 upregulation drives head and neck squamous cell carcinoma progression via PI3K/AKT signaling pathway. <i>Molecular Carcinogenesis</i> , 2022, 61, 797-811.	1.3	6
1652	Evidence for further non-coding RNA genes in the fungal rDNA region. <i>MycKeys</i> , 0, 90, 203-213.	0.8	3
1653	The Intersection of Acute Kidney Injury and Non-Coding RNAs: Inflammation. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	2
1654	Research Progress of Long Non-Coding RNA GAS5 in Malignant Tumors. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	15

#	ARTICLE	IF	CITATIONS
1655	The Role of Non-Coding RNAs in the Pathogenesis of Parkinson's Disease: Recent Advancement. <i>Pharmaceuticals</i> , 2022, 15, 811.	1.7	14
1656	Emerging Roles and Potential Applications of Non-Coding RNAs in Cervical Cancer. <i>Genes</i> , 2022, 13, 1254.	1.0	6
1657	Noncoding RNAs in diagnosis and prognosis of graft-versus-host disease (GVHD). <i>Journal of Cellular Physiology</i> , 2022, 237, 3480-3495.	2.0	4
1658	Long non-coding RNA, a supreme post-transcriptional immune regulator of bacterial or virus-driven immune evolution in teleost. <i>Reviews in Aquaculture</i> , 2023, 15, 163-178.	4.6	8
1659	Graph Neural Network with Self-Supervised Learning for Noncoding RNA Drug Resistance Association Prediction. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 3676-3684.	2.5	12
1660	RNA-targeting strategies as a platform for ocular gene therapy. <i>Progress in Retinal and Eye Research</i> , 2023, 92, 101110.	7.3	10
1661	PDIA3P1 promotes Temozolomide resistance in glioblastoma by inhibiting C/EBP β degradation to facilitate proneural-to-mesenchymal transition. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, .	3.5	20
1662	Inverse folding based pre-training for the reliable identification of intrinsic transcription terminators. <i>PLoS Computational Biology</i> , 2022, 18, e1010240.	1.5	1
1664	HARIBOSS: a curated database of RNA-small molecules structures to aid rational drug design. <i>Bioinformatics</i> , 2022, 38, 4185-4193.	1.8	11
1665	Noncoding RNAs: Regulating the crosstalk between tumor-associated macrophages and gastrointestinal cancer. <i>Biomedicine and Pharmacotherapy</i> , 2022, 153, 113370.	2.5	1
1666	Trends in insulin resistance: insights into mechanisms and therapeutic strategy. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	132
1667	Research Progress on the Regulation Mechanism of Key Signal Pathways Affecting the Prognosis of Glioma. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	4
1669	Differential analysis of RNA structure probing experiments at nucleotide resolution: uncovering regulatory functions of RNA structure. <i>Nature Communications</i> , 2022, 13, .	5.8	1
1670	Quantitative trait locus (xQTL) approaches identify risk genes and drug targets from non-coding genome findings. <i>Human Molecular Genetics</i> , 0, , .	1.4	2
1671	FebRNA: An automated fragment-ensemble-based model for building RNA 3D structures. <i>Biophysical Journal</i> , 2022, 121, 3381-3392.	0.2	5
1672	Identification of Long Non-Coding RNA MIR4435-2HG as a Prognostic Biomarker in Bladder Cancer. <i>Genes</i> , 2022, 13, 1462.	1.0	2
1673	Analysis of ceRNA networks during mechanical tension-induced osteogenic differentiation of periodontal ligament stem cells. <i>European Journal of Oral Sciences</i> , 2022, 130, .	0.7	4
1675	Cloning and Sequencing Eukaryotic Small RNAs. <i>Current Protocols</i> , 2022, 2, .	1.3	2

#	ARTICLE	IF	CITATIONS
1676	LINC-PINT suppresses cisplatin resistance in gastric cancer by inhibiting autophagy activation via epigenetic silencing of ATG5 by EZH2. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	4
1677	Advances of Epigenetic Biomarkers and Epigenome Editing for Early Diagnosis in Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9521.	1.8	8
1678	Non-coding RNAs: The Neuroinflammatory Regulators in Neurodegenerative Diseases. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	11
1679	RAFFT: Efficient prediction of RNA folding pathways using the fast Fourier transform. <i>PLoS Computational Biology</i> , 2022, 18, e1010448.	1.5	0
1680	RNA sequencing profiling of mRNAs, long noncoding RNAs, and circular RNAs in Trigeminal Ganglion following Temporomandibular Joint inflammation. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	3
1681	Nucleic acid-protein interfaces studied by MAS solid-state NMR spectroscopy. <i>Journal of Structural Biology: X</i> , 2022, , 100072.	0.7	0
1682	MicroRNAs as Indicators of Malignancy in Pancreatic Ductal Adenocarcinoma (PDAC) and Cystic Pancreatic Lesions. <i>Cells</i> , 2022, 11, 2374.	1.8	8
1683	The emerging role of noncoding RNAs in the Hedgehog signaling pathway in cancer. <i>Biomedicine and Pharmacotherapy</i> , 2022, 154, 113581.	2.5	3
1684	Overview of non-coding RNAs in breast cancers. <i>Translational Oncology</i> , 2022, 25, 101512.	1.7	5
1685	RNA and protein synthesis. , 2023, , 497-526.		0
1686	Comprehensive identification and expression profiling of immune-related lncRNAs and their target genes in the intestine of turbot (<i>Scophthalmus maximus</i> L.) in response to <i>Vibrio anguillarum</i> infection. <i>Fish and Shellfish Immunology</i> , 2022, 130, 233-243.	1.6	3
1687	Techniques for Analyzing Genome-wide Expression of Non-coding RNA. , 2023, , 163-184.		2
1688	Small RNA-Sequencing Library Preparation for the Halophilic Archaeon <i>Haloferax volcanii</i> . <i>Methods in Molecular Biology</i> , 2022, , 243-254.	0.4	1
1689	NCodR: A multi-class support vector machine classification to distinguish non-coding RNAs in Viridiplantae. <i>Quantitative Plant Biology</i> , 2022, 3, .	0.8	3
1690	Polypharmacology in Drug Design and Discovery—Basis for Rational Design of Multitarget Drugs. , 2022, , 397-533.		1
1699	Quantum Chemical Calculations with Machine Learning for Multipolar Electrostatics Prediction in RNA: An Application to Pentose. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 4122-4133.	2.5	0
1701	Assessment of tools for RNA secondary structure prediction and extraction: a final-user perspective. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 6917-6936.	2.0	1
1702	Selective Chemical Modification to the Higher-Order Structures of Nucleic Acids. <i>Chemical Record</i> , 0, , .	2.9	0

#	ARTICLE	IF	CITATIONS
1703	Glycan-RNA: a new class of non-coding RNA. <i>BIO Integration</i> , 2022, 3, .	0.9	0
1704	The Emerging Role of Noncoding RNA Regulation of the Ferroptosis in Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-10.	1.9	0
1705	The promise of cryo-EM to explore RNA structural dynamics. <i>Journal of Molecular Biology</i> , 2022, 434, 167802.	2.0	17
1707	The Role of Non-Coding RNAs in Chromosomal Instability in Cancer. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2023, 384, 10-19.	1.3	6
1708	Regulatory non-coding RNA: The core defense mechanism against plant pathogens. <i>Journal of Biotechnology</i> , 2022, , .	1.9	5
1709	A tRNA-derived fragment present in <i>E. coli</i> OMVs regulates host cell gene expression and proliferation. <i>PLoS Pathogens</i> , 2022, 18, e1010827.	2.1	14
1710	The in vivo RNA structurome of the malaria parasite <i>Plasmodium falciparum</i> , a protozoan with an A/U-rich transcriptome. <i>PLoS ONE</i> , 2022, 17, e0270863.	1.1	1
1711	Phosphorothioate-Based Site-Specific Labeling of Large RNAs for Structural and Dynamic Studies. <i>ACS Chemical Biology</i> , 2022, 17, 2448-2460.	1.6	6
1712	LASTR is a novel prognostic biomarker and predicts response to cancer immunotherapy in gastric cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	1
1713	Comparative Transcriptomic Analysis of mRNAs, miRNAs and lncRNAs in the Longissimus dorsi Muscles between Fat-Type and Lean-Type Pigs. <i>Biomolecules</i> , 2022, 12, 1294.	1.8	4
1714	Genetically encodable tagging and sensing systems for fluorescent RNA imaging. <i>Biosensors and Bioelectronics</i> , 2023, 219, 114769.	5.3	2
1715	Genome-wide identification, characterization, and functional analysis of lncRNAs in <i>Hevea brasiliensis</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
1716	The exploration of miRNAs and mRNA profiles revealed the molecular mechanisms of cattle-yak male infertility. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	1
1717	The Critical Roles of Circular RNAs in Basic Research and Clinical Application of Female Reproductive-Related Diseases. <i>Reproductive Sciences</i> , 2023, 30, 1421-1434.	1.1	1
1718	ncRNAInter: a novel strategy based on graph neural network to discover interactions between lncRNA and miRNA. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	17
1719	Biogenesis of telomerase RNA from a protein-coding mRNA precursor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	4
1720	Regulation of antitumor miR-205 targets oncogenes: Direct regulation of lymphoid specific helicase and its clinical significance. <i>Life Sciences</i> , 2022, 309, 120993.	2.0	1
1722	Extraction RNA Protocol from Blood and Testis Tissue of Local Roosters. <i>Ma'ÄYallaá°— TíkrÄ«t Li-l-Ê»ulÁ«m Al-zirÄÊ»aa°—</i> , 2022, 21, 82-89.	0.0	0

#	ARTICLE	IF	CITATIONS
1725	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e187" altimg="si7.svg" \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -HMMand optimal decoding higher-order structures on sequential data. Journal of Computational Mathematics and Data Science, 2022, , 100065.	1.3	0
1726	TTN-AS1 delivered by gastric cancer cell-derived exosome induces gastric cancer progression through in vivo and in vitro studies. Cell Biology and Toxicology, 2023, 39, 557-571.	2.4	3
1727	Exploration of Tools for the Interpretation of Human Non-Coding Variants. International Journal of Molecular Sciences, 2022, 23, 12977.	1.8	5
1728	Competing endogenous RNA networks related to prognosis in chronic lymphocytic leukemia: comprehensive analyses and construction of a novel risk score model. Biomarker Research, 2022, 10, .	2.8	4
1729	Cobalamin Riboswitches Are Broadly Sensitive to Corrinoid Cofactors to Enable an Efficient Gene Regulatory Strategy. MBio, 2022, 13, .	1.8	8
1730	WFDC21P promotes triple-negative breast cancer proliferation and migration through WFDC21P/miR-628/SMAD3 axis. Frontiers in Oncology, 0, 12, .	1.3	3
1731	Probing Transient Riboswitch Structures via Single Molecule Accessibility Analysis. Methods in Molecular Biology, 2023, , 37-51.	0.4	2
1732	Long noncoding RNA HOTAIR regulates the stemness of breast cancer cells via activation of the NF- κ B signaling pathway. Journal of Biological Chemistry, 2022, 298, 102630.	1.6	7
1733	MicroRNA sensing and regulating microbiota-host crosstalk via diet motivation. Critical Reviews in Food Science and Nutrition, 0, , 1-18.	5.4	1
1734	Pervasive translation of small open reading frames in plant long non-coding RNAs. Frontiers in Plant Science, 0, 13, .	1.7	4
1735	Auto-DRRAFTER: Automated RNA Modeling Based on Cryo-EM Density. Methods in Molecular Biology, 2023, , 193-211.	0.4	5
1736	Role of noncoding RNA in the pathophysiology and treatment of intrauterine adhesion. Frontiers in Genetics, 0, 13, .	1.1	2
1737	Computational model for ncRNA research. Briefings in Bioinformatics, 2022, 23, .	3.2	7
1738	miR-21-5p in extracellular vesicles obtained from adipose tissue-derived stromal cells facilitates tubular epithelial cell repair in acute kidney injury. Cytotherapy, 2023, 25, 310-322.	0.3	9
1739	The Metabolome Weakens RNA Thermodynamic Stability and Strengthens RNA Chemical Stability. Biochemistry, 2022, 61, 2579-2591.	1.2	5
1741	Role of long non coding RNA in plants under abiotic and biotic stresses. Plant Physiology and Biochemistry, 2023, 194, 96-110.	2.8	15
1742	Ornate, large, extremophilic (OLE) RNA forms a kink turn necessary for OapC protein recognition and RNA function. Journal of Biological Chemistry, 2022, 298, 102674.	1.6	2
1743	Genetics and epigenetics in conventional chondrosarcoma with focus on non-coding RNAs. Pathology Research and Practice, 2022, 239, 154172.	1.0	2

#	ARTICLE	IF	CITATIONS
1744	FOXK2 transcription factor and its roles in tumorigenesis (Review). <i>Oncology Letters</i> , 2022, 24, .	0.8	0
1745	Desert plant transcriptomics and adaptation to abiotic stress. , 2023, , 199-256.		0
1746	G-quadruplexes as key motifs in transcriptomics. , 2023, , 131-173.		0
1747	LncRNA PRRT3-AS1 exerts oncogenic effects on nonsmall cell lung cancer by targeting microRNA-507/homeobox B5 axis. <i>Oncology Research</i> , 2021, 29, 411-423.	0.6	0
1748	Emerging noncoding RNAs contained in extracellular vesicles: rising stars as biomarkers in lung cancer liquid biopsy. <i>Therapeutic Advances in Medical Oncology</i> , 2022, 14, 175883592211312.	1.4	6
1749	3D Modeling of Non-coding RNA Interactions. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 281-317.	0.8	2
1750	RNA-based therapies in inherited retinal diseases. <i>Therapeutic Advances in Ophthalmology</i> , 2022, 14, 251584142211346.	0.8	6
1751	RNA double strand hybridization measured at the single molecule level. <i>Analytical Biochemistry</i> , 2023, 660, 114959.	1.1	0
1752	Bacterial extracellular vesicles and their novel therapeutic applications in health and cancer. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	18
1753	Small Non-Coding RNAs in Human Cancer. <i>Genes</i> , 2022, 13, 2072.	1.0	14
1754	Discovery of RUF6 ncRNAâ€™interacting proteins involved in<i>P. falciparum</i> immune evasion. <i>Life Science Alliance</i> , 2023, 6, e202201577.	1.3	4
1755	Evolving understandings for the roles of non-coding RNAs in autoimmunity and autoimmune disease. <i>Journal of Autoimmunity</i> , 2022, , 102948.	3.0	0
1756	Non-Coding RNAs in Regulating Plaque Progression and Remodeling of Extracellular Matrix in Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13731.	1.8	6
1757	Pulmonary Arterial Hypertension: Emerging Principles of Precision Medicine across Basic Science to Clinical Practice. <i>Reviews in Cardiovascular Medicine</i> , 2022, 23, 378.	0.5	2
1758	The mechanism of action of non-coding RNAs in placental disorders. <i>Biomedicine and Pharmacotherapy</i> , 2022, 156, 113964.	2.5	4
1759	FAM224A/hsa-mir-139/RAD54B is a Competing Endogenous RNA Network that may Serve as a New Prognostic Factor and Treatment Target for Liver Cancer. <i>Brazilian Archives of Biology and Technology</i> , 0, 65, .	0.5	0
1760	The long and short: Non-coding RNAs in the mammalian inner ear. <i>Hearing Research</i> , 2023, 428, 108666.	0.9	4
1761	LncRNA NORAD mediates KMT2D expression by targeting miR-204-5p and affects the growth of gastric cancer. <i>Journal of Gastrointestinal Oncology</i> , 2022, 13, 2832-2844.	0.6	3

#	ARTICLE	IF	CITATIONS
1762	An efficient five-lncRNA signature for lung adenocarcinoma prognosis, with AL606489.1 showing sexual dimorphism. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
1764	The uprise of RNA biology in neuroendocrine neoplasms: altered splicing and RNA species unveil translational opportunities. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2023, 24, 267-282.	2.6	2
1765	Is There a Role for Immunoregulatory and Antiviral Oligonucleotides Acting in the Extracellular Space? A Review and Hypothesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14593.	1.8	1
1766	Genome-Wide Analysis of Differentially Expressed mRNAs and lncRNAs in Koi Carp Infected with Koi Herpesvirus. <i>Viruses</i> , 2022, 14, 2555.	1.5	3
1767	A large-scale benchmark study of tools for the classification of protein-coding and non-coding RNAs. <i>Nucleic Acids Research</i> , 2022, 50, 12094-12111.	6.5	2
1768	A common transcriptional mechanism involving R-loop and RNA abasic site regulates an enhancer RNA of <i>APOE</i> . <i>Nucleic Acids Research</i> , 2022, 50, 12497-12514.	6.5	9
1769	Distinct biogenesis pathways may have led to functional divergence of the human and <i>Drosophila</i> Arg11 <i>sisRNA</i> . <i>EMBO Reports</i> , 2023, 24, .	2.0	3
1770	Potential serum metabolites and long-chain noncoding RNA biomarkers for endometrial cancer tissue. <i>Journal of Obstetrics and Gynaecology Research</i> , 0, , .	0.6	4
1771	The <i>Acinetobacter baumannii</i> model can explain the role of small non-coding RNAs as potential mediators of host-pathogen interactions. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	3
1772	Noncoding RNA therapeutics for substance use disorder. <i>Advances in Drug and Alcohol Research</i> , 0, 2, .	2.5	3
1773	Non-coding RNA-related antitumor mechanisms of marine-derived agents. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
1774	Identification and validation of a novel cuproptosis-related lncRNA gene signature to predict prognosis and immune response in bladder cancer. <i>Discover Oncology</i> , 2022, 13, .	0.8	4
1775	10q26 “ The enigma in age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2023, 96, 101154.	7.3	1
1777	The immune-related circRNA-miRNA-mRNA ceRNA regulatory network in the liver of turbot (<i>Scophthalmus maximus</i> L.) induced by <i>Vibrio anguillarum</i> . <i>Fish and Shellfish Immunology</i> , 2023, 132, 108506.	1.6	4
1778	The role of miRNA and lncRNA in heterotopic ossification pathogenesis. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	3
1779	Roles of lncRNAs in pancreatic ductal adenocarcinoma: Diagnosis, treatment, and the development of drug resistance. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2023, 22, 128-139.	0.6	3
1780	Investigating the neurotoxicity of environmental pollutants using zebrafish as a model organism: A review and recommendations for future work. <i>NeuroToxicology</i> , 2023, 94, 235-244.	1.4	14
1781	Dynamic and static circulating cancer microRNA biomarkers “ a validation study. <i>RNA Biology</i> , 2023, 20, 1-9.	1.5	3

#	ARTICLE	IF	CITATIONS
1782	Clinical application and detection techniques of liquid biopsy in gastric cancer. <i>Molecular Cancer</i> , 2023, 22, .	7.9	33
1783	Chemical RNA Cross-Linking: Mechanisms, Computational Analysis, and Biological Applications. <i>Jacs Au</i> , 2023, 3, 316-332.	3.6	5
1784	Competing endogenous <sc>RNA</sc> network construction based on long non-coding <sc>RNAs</sc> , <sc>microRNAs</sc> , and <sc>mRNAs</sc> related to fat deposition in Songliao black swine. <i>Animal Genetics</i> , 0, , .	0.6	0
1785	Signaling landscape of mitochondrial non-coding RNAs. <i>Journal of Biomolecular Structure and Dynamics</i> , 0, , 1-10.	2.0	0
1786	Distinguishing Plasmin-Generating Microvesicles: Tiny Messengers Involved in Fibrinolysis and Proteolysis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1571.	1.8	4
1787	Emerging roles and potential application of PIWI-interacting RNA in urological tumors. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	2
1788	A Transcriptomic Regulatory Network among miRNAs, lncRNAs, circRNAs, and mRNAs Associated with L-leucine-induced Proliferation of Equine Satellite Cells. <i>Animals</i> , 2023, 13, 208.	1.0	0
1789	Non-coding RNA and autophagy: Finding novel ways to improve the diagnostic management of bladder cancer. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	2
1790	Silver Nanoparticles Modified by Carbosilane Dendrons and PEG as Delivery Vectors of Small Interfering RNA. <i>International Journal of Molecular Sciences</i> , 2023, 24, 840.	1.8	5
1791	Absence of Scaffold Protein Tks4 Disrupts Several Signaling Pathways in Colon Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1310.	1.8	0
1792	Role of epigenetics in pancreatic ductal adenocarcinoma. <i>Epigenomics</i> , 2023, 15, 89-110.	1.0	4
1793	Identification of prognostic genes signature and construction of ceRNA network in pirarubicin treatment of triple-negative breast cancer. <i>Breast Cancer</i> , 2023, 30, 379-392.	1.3	2
1794	Current Technical Approaches to Study RNA-Protein Interactions in mRNAs and Long Non-Coding RNAs. <i>Biochem</i> , 2023, 3, 1-14.	0.5	0
1795	H3K27 acetylation activated long noncoding RNA RP11-162G10.5 promotes breast cancer progression via the YBX1/GLO1 axis. <i>Cellular Oncology (Dordrecht)</i> , 2023, 46, 375-390.	2.1	3
1796	Identification of the <i>MALAT1</i>/miR-106a-5p/ZNF148 feedback loop in regulating HaCaT cell proliferation, migration and apoptosis. <i>Regenerative Medicine</i> , 2023, 18, 239-258.	0.8	3
1797	Behind the scenes: How RNA orchestrates the epigenetic regulation of gene expression. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	9
1799	Genomic Fingerprint Associated with Familial Idiopathic Pulmonary Fibrosis: A Review. <i>International Journal of Medical Sciences</i> , 2023, 20, 329-345.	1.1	0
1800	Upstream of N-Ras C-terminal cold shock domains mediate poly(A) specificity in a novel RNA recognition mode and bind poly(A) binding protein. <i>Nucleic Acids Research</i> , 2023, 51, 1895-1913.	6.5	2

#	ARTICLE	IF	CITATIONS
1801	Noncoding RNAs and their role in bacterial infections. , 2023, , 617-622.		0
1802	Life in plastic, itâ€™s fantastic! How Leishmania exploit genome instability to shape gene expression. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	1.8	4
1803	Wheat Long Noncoding RNAs from Organelle and Nuclear Genomes Carry Conserved microRNA Precursors Which May Together Comprise Intricate Networks in Insect Responses. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2226.	1.8	6
1804	RNA 3D Structure Comparison Using RNA-Puzzles Toolkit. <i>Methods in Molecular Biology</i> , 2023, , 263-285.	0.4	1
1805	Dysregulated lncRNAs are involved in the progress of myocardial infarction by constructing regulatory networks. <i>Open Medicine (Poland)</i> , 2023, 18, .	0.6	0
1806	Generation of Functional-RNA Arrays by In Vitro Transcription and In Situ RNA Capture for the Detection of RNA-RNA Interactions. <i>Methods in Molecular Biology</i> , 2023, , 163-184.	0.4	0
1807	Epigenetics-based diagnostic and therapeutic strategies: shifting the paradigm in prostate cancer. <i>Epigenomics</i> , 2023, 15, 75-87.	1.0	0
1808	Databases and prospects of dynamic gene regulation in eukaryotes: A mini review. <i>Computational and Structural Biotechnology Journal</i> , 2023, 21, 2147-2159.	1.9	1
1809	Role of noncoding RNAs in orthodontic tooth movement: new insights into periodontium remodeling. <i>Journal of Translational Medicine</i> , 2023, 21, .	1.8	3
1810	Biomarkers (mRNAs and non-coding RNAs) for the diagnosis and prognosis of rheumatoid arthritis. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	5
1811	SnRNA and lncSNHG: Advances of nucleolar small RNA host gene transcripts in anti-tumor immunity. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	5
1812	Reversible Acylation of RNA Enables Activatable Biosensing. <i>Analytical Chemistry</i> , 2023, 95, 6490-6495.	3.2	1
1813	The emerging diagnostic and therapeutic roles of small nucleolar RNAs in lung diseases. <i>Biomedicine and Pharmacotherapy</i> , 2023, 161, 114519.	2.5	2
1814	A review on recent advances in methods for site-directed spin labeling of long RNAs. <i>International Journal of Biological Macromolecules</i> , 2023, 239, 124244.	3.6	1
1817	Ataxinâ€1 controls the expression of specific noncoding <scp>RNAs</scp> in B cells upon autoimmune demyelination. <i>Immunology and Cell Biology</i> , 2023, 101, 358-367.	1.0	0
1818	A Meaningful Strategy for Glioma Diagnosis via Independent Determination of hsa_circ_0004214. <i>Brain Sciences</i> , 2023, 13, 193.	1.1	0
1819	Advances in the Molecular Landscape of Lung Cancer Brain Metastasis. <i>Cancers</i> , 2023, 15, 722.	1.7	6
1820	RNA 3D Modeling with FARFAR2, Online. <i>Methods in Molecular Biology</i> , 2023, , 233-249.	0.4	1

#	ARTICLE	IF	CITATIONS
1821	A split ribozyme that links detection of a native RNA to orthogonal protein outputs. <i>Nature Communications</i> , 2023, 14, .	5.8	6
1822	The Roles of Epigenetic Regulation and the Tumor Microenvironment in the Mechanism of Resistance to Systemic Therapy in Hepatocellular Carcinoma. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2805.	1.8	6
1823	Mechanisms Contributing to the Comorbidity of COPD and Lung Cancer. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2859.	1.8	10
1824	Tweaking the Small Non-Coding RNAs to Improve Desirable Traits in Plant. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3143.	1.8	4
1825	LncRNA CASC19 Enhances the Radioresistance of Nasopharyngeal Carcinoma by Regulating the miR-340-3p/FKBP5 Axis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3047.	1.8	6
1826	The role and regulation of Maf proteins in cancer. <i>Biomarker Research</i> , 2023, 11, .	2.8	5
1827	Comparative Hypothalamic Transcriptome Analysis Reveals Crucial mRNAs, lncRNAs, and circRNAs Affecting Litter Size in Goats. <i>Genes</i> , 2023, 14, 444.	1.0	3
1828	MiR-214-3p may alleviate T-2 toxin-induced chondrocyte apoptosis and matrix degradation by regulating NF- κ B signaling pathway in vitro. <i>Toxicon</i> , 2023, 225, 107049.	0.8	1
1829	Identification of non-coding RNAs and their functional network associated with optic nerve invasion in retinoblastoma. <i>Heliyon</i> , 2023, 9, e13813.	1.4	1
1830	Regulation of the Epithelial to Mesenchymal Transition in Osteosarcoma. <i>Biomolecules</i> , 2023, 13, 398.	1.8	5
1831	Novel regulatory role of non-coding RNAs in ankylosing spondylitis. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	2
1832	Systematic analysis of circRNA-related ceRNA networks of black rockfish (<i>Sebastes schlegelii</i>) in response to <i>Aeromonas salmonicida</i> infection. <i>Fish and Shellfish Immunology</i> , 2023, 135, 108648.	1.6	4
1833	Sepsis: Molecular Diagnostics and Biomarkers. , 2023, , 65-73.		0
1834	Insight on Non-Coding RNAs from Biofluids in Ovarian Tumors. <i>Cancers</i> , 2023, 15, 1539.	1.7	0
1836	Construction of a prognostic model for HCC based on ferroptosis-related lncRNAs expression and its potential to predict the response and irAEs of immunotherapy. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	2
1837	Cryo-EM reveals dynamics of Tetrahymena group I intron self-splicing. <i>Nature Catalysis</i> , 2023, 6, 298-309.	16.1	3
1838	Comparative Genomic Analysis of Virulent <i>Vibrio (Listonella) anguillarum</i> Serotypes Revealed Genetic Diversity and Genomic Signatures in the O-Antigen Biosynthesis Gene Cluster. <i>Microorganisms</i> , 2023, 11, 792.	1.6	3
1839	The epigenetic function of androgen receptor in prostate cancer progression. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	2

#	ARTICLE	IF	CITATIONS
1840	Unique regulatory roles of ncRNAs changed by PM2.5 in human diseases. <i>Ecotoxicology and Environmental Safety</i> , 2023, 255, 114812.	2.9	3
1841	Role of noncoding RNAs in cardiac ageing. <i>Frontiers in Cardiovascular Medicine</i> , 0, 10, .	1.1	2
1842	fRNC: Uncovering the dynamic and condition-specific RBP-ncRNA circuits from multi-omics data. <i>Computational and Structural Biotechnology Journal</i> , 2023, 21, 2276-2285.	1.9	0
1843	Nucleotide Context Can Modulate Promoter Strength in Genes Transcribed by RNA Polymerase III. <i>Genes</i> , 2023, 14, 802.	1.0	1
1844	Recent advances of long non-coding RNAs in control of hepatic gluconeogenesis. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	1
1845	G-quadruplexes from non-coding RNAs. <i>Journal of Molecular Medicine</i> , 2023, 101, 621-635.	1.7	3
1846	Sequence similarity governs generalizability of de novo deep learning models for RNA secondary structure prediction. <i>PLoS Computational Biology</i> , 2023, 19, e1011047.	1.5	3
1847	The landscape of exosomal non-coding RNAs in breast cancer drug resistance, focusing on underlying molecular mechanisms. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	11
1848	Non-coding RNAs: Role of miRNAs and lncRNAs in the regulation of autophagy in hepatocellular carcinoma (Review). <i>Oncology Reports</i> , 2023, 49, .	1.2	2
1859	Harmonizing the growing fluorogenic RNA aptamer toolbox for RNA detection and imaging. <i>Chemical Society Reviews</i> , 2023, 52, 4071-4098.	18.7	6
1862	A New Perspective on Type-Token Distinction in the Genotype and Phenotype Concepts. <i>Interdisciplinary Evolution Research</i> , 2023, , 235-258.	0.2	0
1872	Recent advances in chromosome capture techniques unraveling 3D genome architecture in germ cells, health, and disease. <i>Functional and Integrative Genomics</i> , 2023, 23, .	1.4	0
1879	Harnessing deep learning into hidden mutations of neurological disorders for therapeutic challenges. <i>Archives of Pharmacal Research</i> , 2023, 46, 535-549.	2.7	1
1888	Promoters and introns as key drivers for enhanced gene expression in <i>Saccharomyces cerevisiae</i> . <i>Advances in Applied Microbiology</i> , 2023, , .	1.3	1
1891	Mechanism of cisplatin resistance in gastric cancer and associated microRNAs. <i>Cancer Chemotherapy and Pharmacology</i> , 2023, 92, 329-340.	1.1	1
1895	Recent advances in iron complexes and their interaction with nucleic acids. , 2023, , 145-188.		0
1908	Sequencing-based methods for single-cell multi-omics studies. <i>Science China Chemistry</i> , 0, , .	4.2	0
1915	Crosstalk between phospholipases and noncoding RNAs in cancer. , 2023, , 405-427.		0

#	ARTICLE	IF	CITATIONS
1933	Therapy of infectious diseases using epigenetic approaches. , 2024, , 853-882.		0
1934	Non-coding RNAs in Lepidoptera. , 0, , .		0
1942	Implications of small RNAs in plant development, abiotic stress response and crop improvement in changing climate. Nucleus (India), 2023, 66, 321-339.	0.9	1
1951	Non-Coding RNA and Its Prospective Utilization in Plant Breeding. , 0, , .		0
1969	Lymphatic vessel: origin, heterogeneity, biological functions, and therapeutic targets. Signal Transduction and Targeted Therapy, 2024, 9, .	7.1	2
1976	sRNA Structural Modeling Based on NMR Data. Methods in Molecular Biology, 2024, , 383-397.	0.4	0
1977	RNA Double-Helix Hybridization Measured by Fluorescence Correlation Spectroscopy. Methods in Molecular Biology, 2024, , 175-181.	0.4	0
1988	RNA Conformational Ensembles from NMR Residual Dipolar Couplings. , 2024, , 206-251.		0