

Thomas Tuschl

List of Publications by Year in descending order

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196
papers

82,950
citations

1799

103
h-index

2747

192
g-index

206
all docs

206
docs citations

206
times ranked

71731
citing authors

#	ARTICLE	IF	CITATIONS
1	Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells. <i>Nature</i> , 2001, 411, 494-498.	27.8	8,646
2	Identification of Novel Genes Coding for Small Expressed RNAs. <i>Science</i> , 2001, 294, 853-858.	12.6	4,417
3	Silencing of microRNAs in vivo with antagomirs™. <i>Nature</i> , 2005, 438, 685-689.	27.8	3,706
4	A Mammalian microRNA Expression Atlas Based on Small RNA Library Sequencing. <i>Cell</i> , 2007, 129, 1401-1414.	28.9	3,390
5	Human MicroRNA Targets. <i>PLoS Biology</i> , 2004, 2, e363.	5.6	3,253
6	Identification of Tissue-Specific MicroRNAs from Mouse. <i>Current Biology</i> , 2002, 12, 735-739.	3.9	3,047
7	Transcriptome-wide Identification of RNA-Binding Protein and MicroRNA Target Sites by PAR-CLIP. <i>Cell</i> , 2010, 141, 129-141.	28.9	2,604
8	A Cellular Function for the RNA-Interference Enzyme Dicer in the Maturation of the <i>let-7</i> Small Temporal RNA. <i>Science</i> , 2001, 293, 834-838.	12.6	2,450
9	RNAi. <i>Cell</i> , 2000, 101, 25-33.	28.9	2,421
10	Mechanisms of gene silencing by double-stranded RNA. <i>Nature</i> , 2004, 431, 343-349.	27.8	2,226
11	MicroRNA-21 contributes to myocardial disease by stimulating MAP kinase signalling in fibroblasts. <i>Nature</i> , 2008, 456, 980-984.	27.8	2,111
12	A pancreatic islet-specific microRNA regulates insulin secretion. <i>Nature</i> , 2004, 432, 226-230.	27.8	1,932
13	Human Argonaute2 Mediates RNA Cleavage Targeted by miRNAs and siRNAs. <i>Molecular Cell</i> , 2004, 15, 185-197.	9.7	1,699
14	A census of human RNA-binding proteins. <i>Nature Reviews Genetics</i> , 2014, 15, 829-845.	16.3	1,671
15	A uniform system for microRNA annotation. <i>Rna</i> , 2003, 9, 277-279.	3.5	1,620
16	Identification of Virus-Encoded MicroRNAs. <i>Science</i> , 2004, 304, 734-736.	12.6	1,474
17	Single-Stranded Antisense siRNAs Guide Target RNA Cleavage in RNAi. <i>Cell</i> , 2002, 110, 563-574.	28.9	1,309
18	A novel class of small RNAs bind to MILI protein in mouse testes. <i>Nature</i> , 2006, 442, 203-207.	27.8	1,303

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19	Identification of microRNAs of the herpesvirus family. <i>Nature Methods</i> , 2005, 2, 269-276.	19.0	1,073
20	The Small RNA Profile during <i>Drosophila melanogaster</i> Development. <i>Developmental Cell</i> , 2003, 5, 337-350.	7.0	866
21	miRNAs in human cancer. <i>Journal of Pathology</i> , 2011, 223, 102-115.	4.5	827
22	siRNAs: applications in functional genomics and potential as therapeutics. <i>Nature Reviews Drug Discovery</i> , 2004, 3, 318-329.	46.4	815
23	Cyclic [G(2'5'-ppA(3'5'-pp)] Is the Metazoan Second Messenger Produced by DNA-Activated Cyclic GMP-AMP Synthase. <i>Cell</i> , 2013, 153, 1094-1107.	28.9	795
24	New microRNAs from mouse and human. <i>Rna</i> , 2003, 9, 175-179.	3.5	776
25	Endogenous MHC Class II Processing of a Viral Nuclear Antigen After Autophagy. <i>Science</i> , 2005, 307, 593-596.	12.6	767
26	The Human DiGeorge Syndrome Critical Region Gene 8 and Its <i>D. melanogaster</i> Homolog Are Required for miRNA Biogenesis. <i>Current Biology</i> , 2004, 14, 2162-2167.	3.9	758
27	Clustering and conservation patterns of human microRNAs. <i>Nucleic Acids Research</i> , 2005, 33, 2697-2706.	14.5	720
28	Recognition of 5' Triphosphate by RIG-I Helicase Requires Short Blunt Double-Stranded RNA as Contained in Panhandle of Negative-Strand Virus. <i>Immunity</i> , 2009, 31, 25-34.	14.3	660
29	FMRP targets distinct mRNA sequence elements to regulate protein expression. <i>Nature</i> , 2012, 492, 382-386.	27.8	656
30	MicroRNAs in Human Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2013, 774, 1-20.	1.6	606
31	Integrative Regulatory Mapping Indicates that the RNA-Binding Protein HuR Couples Pre-mRNA Processing and mRNA Stability. <i>Molecular Cell</i> , 2011, 43, 327-339.	9.7	605
32	Structural basis for 5'-end-specific recognition of guide RNA by the <i>A. fulgidus</i> Piwi protein. <i>Nature</i> , 2005, 434, 666-670.	27.8	596
33	Cucumber mosaic virus-encoded 2b suppressor inhibits <i>Arabidopsis</i> Argonaute1 cleavage activity to counter plant defense. <i>Genes and Development</i> , 2006, 20, 3255-3268.	5.9	589
34	Sequence-specific inhibition of microRNA- and siRNA-induced RNA silencing. <i>Rna</i> , 2004, 10, 544-550.	3.5	536
35	Structure of an argonaute silencing complex with a seed-containing guide DNA and target RNA duplex. <i>Nature</i> , 2008, 456, 921-926.	27.8	512
36	Cellular cofactors affecting hepatitis C virus infection and replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12884-12889.	7.1	511

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37	Identification of Novel Argonaute-Associated Proteins. <i>Current Biology</i> , 2005, 15, 2149-2155.	3.9	487
38	Nucleation, propagation and cleavage of target RNAs in Ago silencing complexes. <i>Nature</i> , 2009, 461, 754-761.	27.8	483
39	Structure of the guide-strand-containing argonaute silencing complex. <i>Nature</i> , 2008, 456, 209-213.	27.8	481
40	A Role for Neuronal piRNAs in the Epigenetic Control of Memory-Related Synaptic Plasticity. <i>Cell</i> , 2012, 149, 693-707.	28.9	474
41	Structure-Function Analysis of STING Activation by c[G(2â€™,5â€™)pA(3â€™,5â€™)p] and Targeting by Antiviral DMXAA. <i>Cell</i> , 2013, 154, 748-762.	28.9	472
42	Quantitative technologies establish a novel microRNA profile of chronic lymphocytic leukemia. <i>Blood</i> , 2007, 109, 4944-4951.	1.4	471
43	The PTEN-regulating microRNA miR-26a is amplified in high-grade glioma and facilitates gliomagenesis in vivo. <i>Genes and Development</i> , 2009, 23, 1327-1337.	5.9	465
44	Specificity, duplex degradation and subcellular localization of antagomirs. <i>Nucleic Acids Research</i> , 2007, 35, 2885-2892.	14.5	433
45	Sequence, Chemical, and Structural Variation of Small Interfering RNAs and Short Hairpin RNAs and the Effect on Mammalian Gene Silencing. <i>Oligonucleotides</i> , 2003, 13, 83-105.	4.3	419
46	MicroRNA-155 Is a Negative Regulator of Activation-Induced Cytidine Deaminase. <i>Immunity</i> , 2008, 28, 621-629.	14.3	410
47	Expanding small RNA interference. <i>Nature Biotechnology</i> , 2002, 20, 446-448.	17.5	391
48	Characterization of Small RNAs in <i>Aplysia</i> Reveals a Role for miR-124 in Constraining Synaptic Plasticity through CREB. <i>Neuron</i> , 2009, 63, 803-817.	8.1	374
49	The growing catalog of small RNAs and their association with distinct Argonaute/Piwi family members. <i>Development (Cambridge)</i> , 2008, 135, 1201-1214.	2.5	371
50	MicroRNA-24 Regulates Vascularity After Myocardial Infarction. <i>Circulation</i> , 2011, 124, 720-730.	1.6	358
51	Crystal Structure of <i>A. aeolicus</i> Argonaute, a Site-Specific DNA-Guided Endoribonuclease, Provides Insights into RISC-Mediated mRNA Cleavage. <i>Molecular Cell</i> , 2005, 19, 405-419.	9.7	349
52	RISC is a 5' phosphomonoester-producing RNA endonuclease. <i>Genes and Development</i> , 2004, 18, 975-980.	5.9	338
53	MicroRNA Sequence and Expression Analysis in Breast Tumors by Deep Sequencing. <i>Cancer Research</i> , 2011, 71, 4443-4453.	0.9	331
54	Molecular characterization of human Argonaute-containing ribonucleoprotein complexes and their bound target mRNAs. <i>Rna</i> , 2008, 14, 2580-2596.	3.5	327

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55	RNA targets of wild-type and mutant FET family proteins. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 1428-1431.	8.2	321
56	The Viral and Cellular MicroRNA Targetome in Lymphoblastoid Cell Lines. <i>PLoS Pathogens</i> , 2012, 8, e1002484.	4.7	321
57	Comprehensive profiling of circulating microRNA via small RNA sequencing of cDNA libraries reveals biomarker potential and limitations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4255-4260.	7.1	316
58	RNA-ligase-dependent biases in miRNA representation in deep-sequenced small RNA cDNA libraries. <i>Rna</i> , 2011, 17, 1697-1712.	3.5	307
59	Antisense-Mediated Depletion Reveals Essential and Specific Functions of MicroRNAs in <i>Drosophila</i> Development. <i>Cell</i> , 2005, 121, 1097-1108.	28.9	304
60	The developmental miRNA profiles of zebrafish as determined by small RNA cloning. <i>Genes and Development</i> , 2005, 19, 1288-1293.	5.9	301
61	Viral MicroRNA Targetome of KSHV-Infected Primary Effusion Lymphoma Cell Lines. <i>Cell Host and Microbe</i> , 2011, 10, 515-526.	11.0	297
62	miRNA in situ hybridization in formaldehyde and EDC-fixed tissues. <i>Nature Methods</i> , 2009, 6, 139-141.	19.0	282
63	A single-cell survey of the human first-trimester placenta and decidua. <i>Science Advances</i> , 2018, 4, eaau4788.	10.3	282
64	Single-cell transcriptome analysis of human skin identifies novel fibroblast subpopulation and enrichment of immune subsets in atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1615-1628.	2.9	280
65	Tubular cell and keratinocyte single-cell transcriptomics applied to lupus nephritis reveal type I IFN and fibrosis relevant pathways. <i>Nature Immunology</i> , 2019, 20, 915-927.	14.5	275
66	RNA Interference and Small Interfering RNAs. <i>ChemBioChem</i> , 2001, 2, 239-245.	2.6	271
67	On the art of identifying effective and specific siRNAs. <i>Nature Methods</i> , 2006, 3, 670-676.	19.0	269
68	The muscle-specific microRNA miR-206 blocks human rhabdomyosarcoma growth in xenotransplanted mice by promoting myogenic differentiation. <i>Journal of Clinical Investigation</i> , 2009, 119, 2366-78.	8.2	243
69	Elevated Expression of the miR-17-92 Polycistron and miR-21 in Hepadnavirus-Associated Hepatocellular Carcinoma Contributes to the Malignant Phenotype. <i>American Journal of Pathology</i> , 2008, 173, 856-864.	3.8	239
70	FOXO1 is an essential regulator of pluripotency in human embryonic stem cells. <i>Nature Cell Biology</i> , 2011, 13, 1092-1099.	10.3	231
71	Structural and functional insights into 5'-ppp RNA pattern recognition by the innate immune receptor RIG-I. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 781-787.	8.2	229
72	PAR-CLIP - A Method to Identify Transcriptome-wide the Binding Sites of RNA Binding Proteins. <i>Journal of Visualized Experiments</i> , 2010, , .	0.3	220

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73	DGCR8-dependent microRNA biogenesis is essential for skin development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 498-502.	7.1	217
74	Identification and characterization of small RNAs involved in RNA silencing. <i>FEBS Letters</i> , 2005, 579, 5830-5840.	2.8	214
75	Comparative RNA-sequencing analysis of myocardial and circulating small RNAs in human heart failure and their utility as biomarkers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11151-11156.	7.1	207
76	Human CLP1 Mutations Alter tRNA Biogenesis, Affecting Both Peripheral and Central Nervous System Function. <i>Cell</i> , 2014, 157, 636-650.	28.9	189
77	Repeat-associated siRNAs cause chromatin silencing of retrotransposons in the <i>Drosophila melanogaster</i> germline. <i>Nucleic Acids Research</i> , 2007, 35, 5430-5438.	14.5	181
78	The E3 ubiquitin ligase and RNA-binding protein ZNF598 orchestrates ribosome quality control of premature polyadenylated mRNAs. <i>Nature Communications</i> , 2017, 8, 16056.	12.8	179
79	Genome-wide identification of microRNA targets in human ES cells reveals a role for miR-302 in modulating BMP response. <i>Genes and Development</i> , 2011, 25, 2173-2186.	5.9	175
80	Strand-specific 5'-O-methylation of siRNA duplexes controls guide strand selection and targeting specificity. <i>Rna</i> , 2008, 14, 263-274.	3.5	174
81	Absolute quantification of microRNAs by using a universal reference. <i>Rna</i> , 2009, 15, 2375-2384.	3.5	172
82	Characterizing Expression and Processing of Precursor and Mature Human tRNAs by Hydro-tRNAseq and PAR-CLIP. <i>Cell Reports</i> , 2017, 20, 1463-1475.	6.4	171
83	Dysregulation of microRNA-219 promotes neurodegeneration through post-transcriptional regulation of tau. <i>Journal of Clinical Investigation</i> , 2015, 125, 681-686.	8.2	171
84	microRNAs are biomarkers of oncogenic human papillomavirus infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4262-4267.	7.1	168
85	Small Interfering RNAs: A Revolutionary Tool for the Analysis of Gene Function and Gene Therapy. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2002, 2, 158-167.	3.4	166
86	Single cell RNA sequencing to dissect the molecular heterogeneity in lupus nephritis. <i>JCI Insight</i> , 2017, 2, .	5.0	164
87	A selective microRNA-based strategy inhibits restenosis while preserving endothelial function. <i>Journal of Clinical Investigation</i> , 2014, 124, 4102-4114.	8.2	157
88	Identification of mRNAs bound and regulated by human LIN28 proteins and molecular requirements for RNA recognition. <i>Rna</i> , 2013, 19, 613-626.	3.5	156
89	PAR-CLIP analysis uncovers AUF1 impact on target RNA fate and genome integrity. <i>Nature Communications</i> , 2014, 5, 5248.	12.8	156
90	MicroRNA-Mediated Down-Regulation of PRDM1/Blimp-1 in Hodgkin/Reed-Sternberg Cells: A Potential Pathogenetic Lesion in Hodgkin Lymphomas. <i>American Journal of Pathology</i> , 2008, 173, 242-252.	3.8	154

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91	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. <i>Cell</i> , 2019, 177, 231-242.	28.9	152
92	Novel MIR143â€NOTCH fusions in benign and malignant glomus tumors. <i>Genes Chromosomes and Cancer</i> , 2013, 52, 1075-1087.	2.8	138
93	The human 18S U11/U12 snRNP contains a set of novel proteins not found in the U2-dependent spliceosome. <i>Rna</i> , 2004, 10, 929-941.	3.5	137
94	Development of human cGAS-specific small-molecule inhibitors for repression of dsDNA-triggered interferon expression. <i>Nature Communications</i> , 2019, 10, 2261.	12.8	134
95	Oligonucleotide duplexes containing 2â€²-amino-2â€²-deoxycytidines: thermal stability and chemical reactivity. <i>Nucleic Acids Research</i> , 1994, 22, 20-24.	14.5	133
96	MicroRNA-21 in Glomerular Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 805-816.	6.1	133
97	Single-Cell RNA Profiling of Glomerular Cells Shows Dynamic Changes in Experimental Diabetic Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 533-545.	6.1	133
98	Differential regulation of mature and precursor microRNA expression by NMDA and metabotropic glutamate receptor activation during LTP in the adult dentate gyrus <i>in vivo</i>. <i>European Journal of Neuroscience</i> , 2010, 31, 636-645.	2.6	130
99	Human cGAS catalytic domain has an additional DNA-binding interface that enhances enzymatic activity and liquid-phase condensation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11946-11955.	7.1	129
100	Human plasma and serum extracellular small RNA reference profiles and their clinical utility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5334-E5343.	7.1	121
101	MicroRNAs MiR-17, MiR-20a, and MiR-106b Act in Concert to Modulate E2F Activity on Cell Cycle Arrest during Neuronal Lineage Differentiation of USSC. <i>PLoS ONE</i> , 2011, 6, e16138.	2.5	114
102	Deep sequencing of small RNAs specifically associated with Arabidopsis AGO1 and AGO4 uncovers new AGO functions. <i>Plant Journal</i> , 2011, 67, 292-304.	5.7	114
103	Barcoded cDNA library preparation for small RNA profiling by next-generation sequencing. <i>Methods</i> , 2012, 58, 164-170.	3.8	114
104	DND1 maintains germline stem cells via recruitment of the CCR4â€NOT complex to target mRNAs. <i>Nature</i> , 2017, 543, 568-572.	27.8	109
105	In vivo, Argonaute-bound microRNAs exist predominantly in a reservoir of low molecular weight complexes not associated with mRNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 767-772.	7.1	108
106	Small RNA Sequencing and Functional Characterization Reveals MicroRNA-143 Tumor Suppressor Activity in Liposarcoma. <i>Cancer Research</i> , 2011, 71, 5659-5669.	0.9	106
107	miR-375 gene dosage in pancreatic Î²-cells: implications for regulation of Î²-cell mass and biomarker development. <i>Journal of Molecular Medicine</i> , 2015, 93, 1159-1169.	3.9	104
108	Kruppel-like Factor 15 Is a Critical Regulator of Cardiac Lipid Metabolism. <i>Journal of Biological Chemistry</i> , 2014, 289, 5914-5924.	3.4	101

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109	Discovery and Characterization of piRNAs in the Human Fetal Ovary. <i>Cell Reports</i> , 2015, 13, 854-863.	6.4	98
110	Structure–function studies of STAR family Quaking proteins bound to their in vivo RNA target sites. <i>Genes and Development</i> , 2013, 27, 928-940.	5.9	97
111	MicroRNA Sequence Profiles of Human Kidney Allografts With or Without Tubulointerstitial Fibrosis. <i>Transplantation</i> , 2012, 94, 1086-1094.	1.0	90
112	PAR-CLIP (Photoactivatable Ribonucleoside-Enhanced Crosslinking and Immunoprecipitation). <i>Methods in Enzymology</i> , 2014, 539, 113-161.	1.0	90
113	Binding-Pocket and Lid-Region Substitutions Render Human STING Sensitive to the Species-Specific Drug DMXAA. <i>Cell Reports</i> , 2014, 8, 1668-1676.	6.4	87
114	Urine MicroRNA as Potential Biomarkers of Autosomal Dominant Polycystic Kidney Disease Progression: Description of miRNA Profiles at Baseline. <i>PLoS ONE</i> , 2014, 9, e86856.	2.5	86
115	The TIA1 RNA-Binding Protein Family Regulates EIF2AK2-Mediated Stress Response and Cell Cycle Progression. <i>Molecular Cell</i> , 2018, 69, 622-635.e6.	9.7	86
116	Biochemical isolation of Argonaute protein complexes by Ago-APP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11841-11845.	7.1	82
117	Cell atlas of the foetal human heart and implications for autoimmune-mediated congenital heart block. <i>Cardiovascular Research</i> , 2020, 116, 1446-1457.	3.8	80
118	The G3BP1-Family-USP10 Deubiquitinase Complex Rescues Ubiquitinated 40S Subunits of Ribosomes Stalled in Translation from Lysosomal Degradation. <i>Molecular Cell</i> , 2020, 77, 1193-1205.e5.	9.7	78
119	Combined Characterization of microRNA and mRNA Profiles Delineates Early Differentiation Pathways of CD133+ and CD34+ Hematopoietic Stem and Progenitor Cells. <i>Stem Cells</i> , 2011, 29, 847-857.	3.2	77
120	Activity of hammerhead ribozymes containing nonnucleotidic linkers. <i>Nucleic Acids Research</i> , 1993, 21, 5600-5603.	14.5	76
121	Multicolor microRNA FISH effectively differentiates tumor types. <i>Journal of Clinical Investigation</i> , 2013, 123, 2694-2702.	8.2	76
122	RNA sets the standard. <i>Nature</i> , 2003, 421, 220-221.	27.8	67
123	<i>In vitro</i> antiviral activity of the anti-HCV drugs daclatasvir and sofosbuvir against SARS-CoV-2, the aetiological agent of COVID-19. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1874-1885.	3.0	65
124	Identification of the RNA recognition element of the RBPMS family of RNA-binding proteins and their transcriptome-wide mRNA targets. <i>Rna</i> , 2014, 20, 1090-1102.	3.5	64
125	Identification of distinct miRNA target regulation between breast cancer molecular subtypes using AGO2-PAR-CLIP and patient datasets. <i>Genome Biology</i> , 2014, 15, R9.	9.6	63
126	Co-repressor CBFA2T2 regulates pluripotency and germline development. <i>Nature</i> , 2016, 534, 387-390.	27.8	61

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127	Multimeric assembly and biochemical characterization of the Traxâ€“translin endonuclease complex. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 658-664.	8.2	60
128	A <i>Drosophila pasha</i> Mutant Distinguishes the Canonical MicroRNA and Mirtron Pathways. <i>Molecular and Cellular Biology</i> , 2009, 29, 861-870.	2.3	59
129	Bioinformatic analysis of barcoded cDNA libraries for small RNA profiling by next-generation sequencing. <i>Methods</i> , 2012, 58, 171-187.	3.8	55
130	A comprehensive analysis of the effects of the deaminase AID on the transcriptome and methylome of activated B cells. <i>Nature Immunology</i> , 2013, 14, 749-755.	14.5	55
131	Comprehensive aptamer-based screening identifies a spectrum of urinary biomarkers of lupus nephritis across ethnicities. <i>Nature Communications</i> , 2020, 11, 2197.	12.8	55
132	ELAVL1 Modulates Transcriptome-wide miRNA Binding in Murine Macrophages. <i>Cell Reports</i> , 2014, 9, 2330-2343.	6.4	54
133	Deciphering human ribonucleoprotein regulatory networks. <i>Nucleic Acids Research</i> , 2019, 47, 570-581.	14.5	54
134	miR-193bâ€“Regulated Signaling Networks Serve as Tumor Suppressors in Liposarcoma and Promote Adipogenesis in Adipose-Derived Stem Cells. <i>Cancer Research</i> , 2017, 77, 5728-5740.	0.9	50
135	Multi-disciplinary methods to define RNAâ€“protein interactions and regulatory networks. <i>Current Opinion in Genetics and Development</i> , 2013, 23, 20-28.	3.3	49
136	Optimization of PAR-CLIP for transcriptome-wide identification of binding sites of RNA-binding proteins. <i>Methods</i> , 2017, 118-119, 24-40.	3.8	49
137	A Potential Protein-RNA Recognition Event along the RISC-Loading Pathway from the Structure of <i>A. aeolicus</i> Argonaute with Externally Bound siRNA. <i>Structure</i> , 2006, 14, 1557-1565.	3.3	45
138	Quantitative mass spectrometry and PAR-CLIP to identify RNA-protein interactions. <i>Nucleic Acids Research</i> , 2012, 40, 9897-9902.	14.5	45
139	Cell and Microvesicle Urine microRNA Deep Sequencing Profiles from Healthy Individuals: Observations with Potential Impact on Biomarker Studies. <i>PLoS ONE</i> , 2016, 11, e0147249.	2.5	44
140	Structural basis underlying CAC RNA recognition by the RRM domain of dimeric RNA-binding protein RBPMS. <i>Quarterly Reviews of Biophysics</i> , 2016, 49, e1.	5.7	42
141	Reprogramming of the MicroRNA Transcriptome Mediates Resistance to Rapamycin. <i>Journal of Biological Chemistry</i> , 2013, 288, 6034-6044.	3.4	41
142	AUF1 promotes let-7b loading on Argonaute 2. <i>Genes and Development</i> , 2015, 29, 1599-1604.	5.9	41
143	Translational control of ERK signaling through miRNA/4EHP-directed silencing. <i>ELife</i> , 2018, 7, .	6.0	41
144	Chromosome 19 microRNA cluster enhances cell reprogramming by inhibiting epithelial-to-mesenchymal transition. <i>Scientific Reports</i> , 2020, 10, 3029.	3.3	40

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145	Combination of antiviral drugs inhibits SARS-CoV-2 polymerase and exonuclease and demonstrates COVID-19 therapeutic potential in viral cell culture. <i>Communications Biology</i> , 2022, 5, 154.	4.4	40
146	Specific RNAi Mediated Gene Knockdown in Zebrafish Cell Lines. <i>RNA Biology</i> , 2005, 2, 101-105.	3.1	39
147	Evaluating gastroenteropancreatic neuroendocrine tumors through microRNA sequencing. <i>Endocrine-Related Cancer</i> , 2019, 26, 47-57.	3.1	39
148	Convergence of mammalian RQC and C-end rule proteolytic pathways via alanine tailing. <i>Molecular Cell</i> , 2021, 81, 2112-2122.e7.	9.7	38
149	A genome-wide view of the expression and processing patterns of <i>Thermus thermophilus</i> HB8 CRISPR RNAs. <i>Rna</i> , 2012, 18, 783-794.	3.5	36
150	Mammalian miRNA curation through next-generation sequencing. <i>Frontiers in Genetics</i> , 2013, 4, 145.	2.3	36
151	The RNA-Binding Protein A1CF Regulates Hepatic Fructose and Glycerol Metabolism via Alternative RNA Splicing. <i>Cell Reports</i> , 2019, 29, 283-300.e8.	6.4	35
152	The RNA-binding protein vigilin regulates VLDL secretion through modulation of Apob mRNA translation. <i>Nature Communications</i> , 2016, 7, 12848.	12.8	34
153	Deep Sequencing Reveals a Novel miR-22 Regulatory Network with Therapeutic Potential in Rhabdomyosarcoma. <i>Cancer Research</i> , 2016, 76, 6095-6106.	0.9	30
154	RTEL1 influences the abundance and localization of TERRA RNA. <i>Nature Communications</i> , 2021, 12, 3016.	12.8	30
155	Structure/cleavage-based insights into helical perturbations at bulge sites within <i>T. thermophilus</i> Argonaute silencing complexes. <i>Nucleic Acids Research</i> , 2017, 45, 9149-9163.	14.5	29
156	The E3 ubiquitin ligase RNF10 modifies 40S ribosomal subunits of ribosomes compromised in translation. <i>Cell Reports</i> , 2021, 36, 109468.	6.4	29
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