Gene W Yeo

List of Publications by Citations

230 papers	21,950 citations	78 h-index	146 g-index
277 ext. papers	28,237 ext. citations	15.4 avg, IF	6.95 L-index

#	Paper	IF	Citations
230	Maximum entropy modeling of short sequence motifs with applications to RNA splicing signals. *Journal of Computational Biology*, **2004**, 11, 377-94	1.7	1253
229	A model for neural development and treatment of Rett syndrome using human induced pluripotent stem cells. *Cell*, **2010**, 143, 527-39	56.2	997
228	Long pre-mRNA depletion and RNA missplicing contribute to neuronal vulnerability from loss of TDP-43. *Nature Neuroscience*, **2011**, 14, 459-68	25.5	827
227	Divergent transcription from active promoters. *Science*, **2008**, 322, 1849-51	33.3	695
226	Robust transcriptome-wide discovery of RNA-binding protein binding sites with enhanced CLIP (eCLIP). *Nature Methods*, **2016**, 13, 508-14	21.6	634
225	L1 retrotransposition in human neural progenitor cells. *Nature*, **2009**, 460, 1127-31	50.4	613
224	Systematic identification and analysis of exonic splicing silencers. *Cell*, **2004**, 119, 831-45	56.2	522
223	Divergent roles of ALS-linked proteins FUS/TLS and TDP-43 intersect in processing long pre-mRNAs. *Nature Neuroscience*, **2012**, 15, 1488-97	25.5	483
222	L1 retrotransposition in neurons is modulated by MeCP2. *Nature*, **2010**, 468, 443-6	50.4	479
221	Wnt-mediated activation of NeuroD1 and retro-elements during adult neurogenesis. *Nature Neuroscience*, **2009**, 12, 1097-105	25.5	474
220	An RNA code for the FOX2 splicing regulator revealed by mapping RNA-protein interactions in stem cells. *Nature Structural and Molecular Biology*, **2009**, 16, 130-7	17.6	447
219	Targeted degradation of sense and antisense C9orf72 RNA foci as therapy for ALS and frontotemporal degeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E4530-9	11.5	420
218	Context-Dependent and Disease-Specific Diversity in Protein Interactions within Stress Granules. *Cell*, **2018**, 172, 590-604.e13	56.2	411
217	Variation in alternative splicing across human tissues. *Genome Biology*, **2004**, 5, R74	18.3	378
216	Expanded encyclopaedias of DNA elements in the human and mouse genomes. *Nature*, **2020**, 583, 699-710	50.4	360
215	Programmable RNA Tracking in Live Cells with CRISPR/Cas9. *Cell*, **2016**, 165, 488-96	56.2	358
214	Noncoding RNAs in the mammalian central nervous system. *Annual Review of Neuroscience*, **2006**, 29, 77-103	17	346

213	Genome-wide analysis of PTB-RNA interactions reveals a strategy used by the general splicing repressor to modulate exon inclusion or skipping. *Molecular Cell*, **2009**, 36, 996-1006	17.6	338
212	Integrative genome-wide analysis reveals cooperative regulation of alternative splicing by hnRNP proteins. *Cell Reports*, **2012**, 1, 167-78	10.6	322
211	ALS-linked TDP-43 mutations produce aberrant RNA splicing and adult-onset motor neuron disease without aggregation or loss of nuclear TDP-43. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E736-45	11.5	284
210	Complex Oscillatory Waves Emerging from Cortical Organoids Model Early Human Brain Network Development. *Cell Stem Cell*, **2019**, 25, 558-569.e7	18	266
209	RNA sequence analysis defines Dicer3 role in mouse embryonic stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 18097-102	11.5	261
208	Comprehensive discovery of endogenous Argonaute binding sites in Caenorhabditis elegans. *Nature Structural and Molecular Biology*, **2010**, 17, 173-9	17.6	252
207	Transcriptional signature and memory retention of human-induced pluripotent stem cells. *PLoS ONE*, **2009**, 4, e7076	3.7	247
206	The Clothes Make the mRNA: Past and Present Trends in mRNP Fashion. *Annual Review of Biochemistry*, **2015**, 84, 325-54	29.1	235
205	Identification and analysis of alternative splicing events conserved in human and mouse. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 2850-5	11.5	227
204	The EJC factor eIF4AIII modulates synaptic strength and neuronal protein expression. *Cell*, **2007**, 130, 179-91	56.2	223
203	Plant-derived flavanol (-)epicatechin enhances angiogenesis and retention of spatial memory in mice. *Journal of Neuroscience*, **2007**, 27, 5869-78	6.6	217
202	Sequence, Structure, and Context Preferences of Human RNA Binding Proteins. *Molecular Cell*, **2018**, 70, 854-867.e9	17.6	212
201	RESCUE-ESE identifies candidate exonic splicing enhancers in vertebrate exons. *Nucleic Acids Research*, **2004**, 32, W187-90	20.1	212
200	Genome-wide analysis reveals SR protein cooperation and competition in regulated splicing. *Molecular Cell*, **2013**, 50, 223-35	17.6	208
199	Rbfox proteins regulate alternative mRNA splicing through evolutionarily conserved RNA bridges. *Nature Structural and Molecular Biology*, **2013**, 20, 1434-42	17.6	206
198	Circadian oscillations of protein-coding and regulatory RNAs in a highly dynamic mammalian liver epigenome. *Cell Metabolism*, **2012**, 16, 833-45	24.6	199
197	Pairing beyond the Seed Supports MicroRNA Targeting Specificity. *Molecular Cell*, **2016**, 64, 320-333	17.6	199
196	A large-scale binding and functional map of human RNA-binding proteins. *Nature*, **2020**, 583, 711-719	50.4	198

195	LIN28 binds messenger RNAs at GGAGA motifs and regulates splicing factor abundance. *Molecular Cell*, **2012**, 48, 195-206	17.6	193
194	Variation in sequence and organization of splicing regulatory elements in vertebrate genes. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 15700-5	11.5	184
193	The PIWI proteins SMEDWI-2 and SMEDWI-3 are required for stem cell function and piRNA expression in planarians. *Rna*, **2008**, 14, 1174-86	5.8	174
192	Differential L1 regulation in pluripotent stem cells of humans and apes. *Nature*, **2013**, 503, 525-529	50.4	170
191	ALS-causative mutations in FUS/TLS confer gain and loss of function by altered association with SMN and U1-snRNP. *Nature Communications*, **2015**, 6, 6171	17.4	162
190	Elimination of Toxic Microsatellite Repeat Expansion RNA by RNA-Targeting Cas9. *Cell*, **2017**, 170, 899-912.e10	66.2	155
189	Identification of novel long noncoding RNAs underlying vertebrate cardiovascular development. *Circulation*, **2015**, 131, 1278-1290	16.7	146
188	The Ro60 autoantigen binds endogenous retroelements and regulates inflammatory gene expression. *Science*, **2015**, 350, 455-9	33.3	142
187	Early specification of CD8+ T lymphocyte fates during adaptive immunity revealed by single-cell gene-expression analyses. *Nature Immunology*, **2014**, 15, 365-372	19.1	137
186	Emergence and rapid transmission of SARS-CoV-2 B.1.1.7 in the United States. *Cell*, **2021**, 184, 2587-2594.e7	66.2	132
185	A combinatorial code for splicing silencing: UAGG and GGGG motifs. *PLoS Biology*, **2005**, 3, e158	9.7	129
184	How RNA-Binding Proteins Interact with RNA: Molecules and Mechanisms. *Molecular Cell*, **2020**, 78, 9-29	17.6	126
183	Misregulated RNA processing in amyotrophic lateral sclerosis. *Brain Research*, **2012**, 1462, 3-15	3.7	124
182	Th17 Lymphocytes Induce Neuronal Cell Death in a Human iPSC-Based Model of Parkinson's Disease. *Cell Stem Cell*, **2018**, 23, 123-131.e6	18	119
181	High-resolution profiling and analysis of viral and host small RNAs during human cytomegalovirus infection. *Journal of Virology*, **2012**, 86, 226-35	6.6	113
180	Genetic mutations in RNA-binding proteins and their roles in ALS. *Human Genetics*, **2017**, 136, 1193-1214	6.3	111
179	Nonclassical splicing mutations in the coding and noncoding regions of the ATM Gene: maximum entropy estimates of splice junction strengths. *Human Mutation*, **2004**, 23, 67-76	4.7	111
178	Discovery and analysis of evolutionarily conserved intronic splicing regulatory elements. *PLoS Genetics*, **2007**, 3, e85	6	110

177	Early transcriptional and epigenetic regulation of CD8 T cell differentiation revealed by single-cell RNA sequencing. *Nature Immunology*, **2017**, 18, 422-432	19.1	109
176	LIN-28 co-transcriptionally binds primary let-7 to regulate miRNA maturation in Caenorhabditis elegans. *Nature Structural and Molecular Biology*, **2011**, 18, 302-8	17.6	108
175	NEAT1 scaffolds RNA-binding proteins and the Microprocessor to globally enhance pri-miRNA processing. *Nature Structural and Molecular Biology*, **2017**, 24, 816-824	17.6	106
174	Short poly(A) tails are a conserved feature of highly expressed genes. *Nature Structural and Molecular Biology*, **2017**, 24, 1057-1063	17.6	106
173	SONAR Discovers RNA-Binding Proteins from Analysis of Large-Scale Protein-Protein Interactomes. *Molecular Cell*, **2016**, 64, 282-293	17.6	105
172	Alternative splicing events identified in human embryonic stem cells and neural progenitors. *PLoS Computational Biology*, **2007**, 3, 1951-67	5	103
171	Pervasive Chromatin-RNA Binding Protein Interactions Enable RNA-Based Regulation of Transcription. *Cell*, **2019**, 178, 107-121.e18	56.2	101
170	Single-Cell Alternative Splicing Analysis with Expedition Reveals Splicing Dynamics during Neuron Differentiation. *Molecular Cell*, **2017**, 67, 148-161.e5	17.6	99
169	Protein-RNA Networks Regulated by Normal and ALS-Associated Mutant HNRNPA2B1 in the Nervous System. *Neuron*, **2016**, 92, 780-795	13.9	94
168	Distinct and shared functions of ALS-associated proteins TDP-43, FUS and TAF15 revealed by multisystem analyses. *Nature Communications*, **2016**, 7, 12143	17.4	94
167	iPSCORE: A Resource of 222 iPSC Lines Enabling Functional Characterization of Genetic Variation across a Variety of Cell Types. *Stem Cell Reports*, **2017**, 8, 1086-1100	8	93
166	Advances and challenges in the detection of transcriptome-wide protein-RNA interactions. *Wiley Interdisciplinary Reviews RNA*, **2018**, 9, e1436	9.3	93
165	Pseudotemporal Ordering of Single Cells Reveals Metabolic Control of Postnatal β Cell Proliferation. *Cell Metabolism*, **2017**, 25, 1160-1175.e11	24.6	92
164	Disruption of RNA Metabolism in Neurological Diseases and Emerging Therapeutic Interventions. *Neuron*, **2019**, 102, 294-320	13.9	91
163	Predicting the functional states of human iPSC-derived neurons with single-cell RNA-seq and electrophysiology. *Molecular Psychiatry*, **2016**, 21, 1573-1588	15.1	90
162	Small-Molecule Modulation of TDP-43 Recruitment to Stress Granules Prevents Persistent TDP-43 Accumulation in ALS/FTD. *Neuron*, **2019**, 103, 802-819.e11	13.9	88
161	Resources for the Comprehensive Discovery of Functional RNA Elements. *Molecular Cell*, **2016**, 61, 903-13	17.6	87
160	Determination of tag density required for digital transcriptome analysis: application to an androgen-sensitive prostate cancer model. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 20179-84	11.5	84

159	A regulator of Dscam mutually exclusive splicing fidelity. *Nature Structural and Molecular Biology*, **2007**, 14, 1134-40	17.6	84
158	Widespread RNA editing dysregulation in brains from autistic individuals. *Nature Neuroscience*, **2019**, 22, 25-36	25.5	84
157	Systematic Discovery of RNA Binding Proteins that Regulate MicroRNA Levels. *Molecular Cell*, **2018**, 69, 1005-1016.e7	17.6	80
156	MEDU-44. MUSASHI-1 IS A MASTER REGULATOR OF ABERRANT TRANSLATION IN GROUP 3 MEDULLOBLASTOMA. *Neuro-Oncology*, **2019**, 21, ii112-ii113	1	78
155	TMOD-28. AUTHENTIC HUMAN GLIOMA MODELING USING GENETICALLY ENGINEERED INDUCED PLURIPOTENT STEM CELLS. *Neuro-Oncology*, **2019**, 21, vi268-vi269	1	78
154	Direct RNA sequencing enables mA detection in endogenous transcript isoforms at base-specific resolution. *Rna*, **2020**, 26, 19-28	5.8	78
153	OTEH-9. scRNA sequencing of proneural GBM avatar model reveals acquisition of oncogenic transcriptional programming and infers a developmental path towards a genomically unstable state. *Neuro-Oncology Advances*, **2021**, 3, ii12-ii12	0.9	78
152	Interaction Landscape of Inherited Polymorphisms with Somatic Events in Cancer. *Cancer Discovery*, **2017**, 7, 410-423	24.4	77
151	Enhanced CLIP Uncovers IMP Protein-RNA Targets in Human Pluripotent Stem Cells Important for Cell Adhesion and Survival. *Cell Reports*, **2016**, 15, 666-679	10.6	75
150	RNA-binding proteins in neurodegeneration: Seq and you shall receive. *Trends in Neurosciences*, **2015**, 38, 226-36	13.3	73
149	Hippocampus-dependent learning is associated with adult neurogenesis in MRL/MpJ mice. *Hippocampus*, **2009**, 19, 658-69	3.5	73
148	Musashi-2 attenuates AHR signalling to expand human haematopoietic stem cells. *Nature*, **2016**, 532, 508-511	50.4	71
147	Target Discrimination in Nonsense-Mediated mRNA Decay Requires Upf1 ATPase Activity. *Molecular Cell*, **2015**, 59, 413-25	17.6	65
146	Inference of splicing regulatory activities by sequence neighborhood analysis. *PLoS Genetics*, **2006**, 2, e191	6	65
145	PPAR-δ is repressed in Huntington's disease, is required for normal neuronal function and can be targeted therapeutically. *Nature Medicine*, **2016**, 22, 37-45	50.5	64
144	Base editing: advances and therapeutic opportunities. *Nature Reviews Drug Discovery*, **2020**, 19, 839-859	64.1	60
143	Context-dependent functional compensation between Ythdf mA reader proteins. *Genes and Development*, **2020**, 34, 1373-1391	12.6	59
142	Regulation of RNA editing by RNA-binding proteins in human cells. *Communications Biology*, **2019**, 2, 19	6.7	59

141	Evidence for premature aging due to oxidative stress in iPSCs from Cockayne syndrome. *Human Molecular Genetics*, **2012**, 21, 3825-34	5.6	58
140	Heterogenous Populations of Tissue-Resident CD8 T Cells Are Generated in Response to Infection and Malignancy. *Immunity*, **2020**, 52, 808-824.e7	32.3	57
139	A Gene Regulatory Network Cooperatively Controlled by Pdx1 and Sox9 Governs Lineage Allocation of Foregut Progenitor Cells. *Cell Reports*, **2015**, 13, 326-36	10.6	56
138	A Small RNA-Catalytic Argonaute Pathway Tunes Germline Transcript Levels to Ensure Embryonic Divisions. *Cell*, **2016**, 165, 396-409	56.2	56
137	Intracellular mRNA regulation with self-assembled locked nucleic acid polymer nanoparticles. *Journal of the American Chemical Society*, **2014**, 136, 7615-8	16.4	54
136	Principles of RNA processing from analysis of enhanced CLIP maps for 150 RNA binding proteins. *Genome Biology*, **2020**, 21, 90	18.3	54
135	Early precursors and molecular determinants of tissue-resident memory CD8 T lymphocytes revealed by single-cell RNA sequencing. *Science Immunology*, **2020**, 5,	28	50
134	MicroRNA-101 Regulates Multiple Developmental Programs to Constrain Excitation in Adult Neural Networks. *Neuron*, **2016**, 92, 1337-1351	13.9	50
133	Overriding FUS autoregulation in mice triggers gain-of-toxic dysfunctions in RNA metabolism and autophagy-lysosome axis. *ELife*, **2019**, 8,	8.9	49
132	High-Throughput and Cost-Effective Characterization of Induced Pluripotent Stem Cells. *Stem Cell Reports*, **2017**, 8, 1101-1111	8	48
131	Human cytomegalovirus infection of human embryonic stem cell-derived primitive neural stem cells is restricted at several steps but leads to the persistence of viral DNA. *Journal of Virology*, **2014**, 88, 4021-39	6.6	48
130	The dsRBP and inactive editor ADR-1 utilizes dsRNA binding to regulate A-to-I RNA editing across the C. elegans transcriptome. *Cell Reports*, **2014**, 6, 599-607	10.6	45
129	Biallelic mutations in the 3Rexonuclease TOE1 cause pontocerebellar hypoplasia and uncover a role in snRNA processing. *Nature Genetics*, **2017**, 49, 457-464	36.3	43
128	Deep sequencing identifies new and regulated microRNAs in Schmidtea mediterranea. *Rna*, **2009**, 15, 1483-91	5.8	42
127	Genome-wide approaches to dissect the roles of RNA binding proteins in translational control: implications for neurological diseases. *Frontiers in Neuroscience*, **2012**, 6, 144	5.1	40
126	Reactivation of fetal splicing programs in diabetic hearts is mediated by protein kinase C signaling. *Journal of Biological Chemistry*, **2013**, 288, 35372-86	5.4	40
125	A distinct microRNA signature for definitive endoderm derived from human embryonic stem cells. *Stem Cells and Development*, **2010**, 19, 797-807	4.4	40
124	GC Repeat RNA Initiates a POM121-Mediated Reduction in Specific Nucleoporins in C9orf72 ALS/FTD. *Neuron*, **2020**, 107, 1124-1140.e11	13.9	40

123	Transcriptome-pathology correlation identifies interplay between TDP-43 and the expression of its kinase CK1E in sporadic ALS. *Acta Neuropathologica*, **2018**, 136, 405-423	14.3	38
122	The RNA Helicase DDX6 Controls Cellular Plasticity by Modulating P-Body Homeostasis. *Cell Stem Cell*, **2019**, 25, 622-638.e13	18	35
121	Dysregulation of RBFOX2 Is an Early Event in Cardiac Pathogenesis of Diabetes. *Cell Reports*, **2016**, 15, 2200-2213	10.6	35
120	A Large-Scale Binding and Functional Map of Human RNA Binding Proteins		35
119	Pooled CRISPR screens with imaging on microraft arrays reveals stress granule-regulatory factors. *Nature Methods*, **2020**, 17, 636-642	21.6	33
118	Coordinate Nodal and BMP inhibition directs Baf60c-dependent cardiomyocyte commitment. *Genes and Development*, **2013**, 27, 2332-44	12.6	32
117	Robust, Cost-Effective Profiling of RNA Binding Protein Targets with Single-end Enhanced Crosslinking and Immunoprecipitation (seCLIP). *Methods in Molecular Biology*, **2017**, 1648, 177-200	1.4	32
116	Functional genomic analysis of the let-7 regulatory network in Caenorhabditis elegans. *PLoS Genetics*, **2013**, 9, e1003353	6	31
115	Immunoglobulin light chain (IgL) genes in zebrafish: Genomic configurations and inversional rearrangements between (V(L)-J(L)-C(L)) gene clusters. *Developmental and Comparative Immunology*, **2008**, 32, 421-34	3.2	31
114	Transcriptome-wide profiles of circular RNA and RNA-binding protein interactions reveal effects on circular RNA biogenesis and cancer pathway expression. *Genome Medicine*, **2020**, 12, 112	14.4	31
113	Retrotransposon long interspersed nucleotide element-1 (LINE-1) is activated during salamander limb regeneration. *Development Growth and Differentiation*, **2012**, 54, 673-85	3	30
112	Heterogeneity and clonal relationships of adaptive immune cells in ulcerative colitis revealed by single-cell analyses. *Science Immunology*, **2020**, 5,	28	30
111	Regulation of asymmetric division and CD8+ T lymphocyte fate specification by protein kinase C□ and protein kinase C□ *Journal of Immunology*, **2015**, 194, 2249-59	5.3	29
110	Reintroduction of the archaic variant of in cortical organoids alters neurodevelopment. *Science*, **2021**, 371,	33.3	28
109	Active Protein Neddylation or Ubiquitylation Is Dispensable for Stress Granule Dynamics. *Cell Reports*, **2019**, 27, 1356-1363.e3	10.6	27
108	Applications of Cas9 as an RNA-programmed RNA-binding protein. *BioEssays*, **2015**, 37, 732-9	4.1	27
107	Rbfox2 function in RNA metabolism is impaired in hypoplastic left heart syndrome patient hearts. *Scientific Reports*, **2016**, 6, 30896	4.9	27
106	CRISPR/Cas9-mediated integration enables TAG-eCLIP of endogenously tagged RNA binding proteins. *Methods*, **2017**, 118-119, 50-59	4.6	24

105	RNA-binding protein CPEB1 remodels host and viral RNA landscapes. *Nature Structural and Molecular Biology*, **2016**, 23, 1101-1110	17.6	24
104	Genomic analysis of the molecular neuropathology of tuberous sclerosis using a human stem cell model. *Genome Medicine*, **2016**, 8, 94	14.4	24
103	RBP-Maps enables robust generation of splicing regulatory maps. *Rna*, **2019**, 25, 193-204	5.8	24
102	Longitudinal assessment of tumor development using cancer avatars derived from genetically engineered pluripotent stem cells. *Nature Communications*, **2020**, 11, 550	17.4	23
101	RNA-targeting CRISPR systems from metagenomic discovery to transcriptomic engineering. *Nature Cell Biology*, **2020**, 22, 143-150	23.4	23
100	The Calcineurin Variant CnA1 Controls Mouse Embryonic Stem Cell Differentiation by Directing mTORC2 Membrane Localization and Activation. *Cell Chemical Biology*, **2016**, 23, 1372-1382	8.2	22
99	Genome-wide approaches in the study of microRNA biology. *Wiley Interdisciplinary Reviews: Systems Biology and Medicine*, **2011**, 3, 491-512	6.6	21
98	Patch-Seq Protocol to Analyze the Electrophysiology, Morphology and Transcriptome of Whole Single Neurons Derived From Human Pluripotent Stem Cells. *Frontiers in Molecular Neuroscience*, **2018**, 11, 261	6.1	21
97	Integrin Activation Controls Regulatory T Cell-Mediated Peripheral Tolerance. *Journal of Immunology*, **2018**, 200, 4012-4023	5.3	20
96	Nol12 is a multifunctional RNA binding protein at the nexus of RNA and DNA metabolism. *Nucleic Acids Research*, **2017**, 45, 12509-12528	20.1	20
95	Self-Transfecting Micellar RNA: Modulating Nanoparticle Cell Interactions via High Density Display of Small Molecule Ligands on Micelle Coronas. *Bioconjugate Chemistry*, **2018**, 29, 126-135	6.3	19
94	Tethered Function Assays as Tools to Elucidate the Molecular Roles of RNA-Binding Proteins. *Advances in Experimental Medicine and Biology*, **2016**, 907, 61-88	3.6	19
93	The neural editome reveals an ADAR target mRNA required for proper chemotaxis. *ELife*, **2017**, 6,	8.9	18
92	AMPK regulation of Raptor and TSC2 mediate metformin effects on transcriptional control of anabolism and inflammation. *Genes and Development*, **2020**, 34, 1330-1344	12.6	18
91	An important class of intron retention events in human erythroblasts is regulated by cryptic exons proposed to function as splicing decoys. *Rna*, **2018**, 24, 1255-1265	5.8	18
90	Allele-specific binding of RNA-binding proteins reveals functional genetic variants in the RNA. *Nature Communications*, **2019**, 10, 1338	17.4	17
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86	An in vivo genome-wide CRISPR screen identifies the RNA-binding protein Staufen2 as a key regulator of myeloid leukemia. *Nature Cancer*, **2020**, 1, 410-422	15.4	16
85	Suppression of Endothelial AGO1 Promotes Adipose Tissue Browning and Improves Metabolic Dysfunction. *Circulation*, **2020**, 142, 365-379	16.7	16
84	The Period protein homolog LIN-42 negatively regulates microRNA biogenesis in C. elegans. *Developmental Biology*, **2014**, 390, 126-35	3.1	15
83	Glial cells maintain synapses by inhibiting an activity-dependent retrograde protease signal. *PLoS Genetics*, **2019**, 15, e1007948	6	14
82	Zmat3 Is a Key Splicing Regulator in the p53 Tumor Suppression Program. *Molecular Cell*, **2020**, 80, 452-469.e9	17.6	14
81	The mRNA Decay Factor CAR-1/LSM14 Regulates Axon Regeneration via Mitochondrial Calcium Dynamics. *Current Biology*, **2020**, 30, 865-876.e7	6.3	14
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79	Nested oscillatory dynamics in cortical organoids model early human brain network development		14
78	Large-scale tethered function assays identify factors that regulate mRNA stability and translation. *Nature Structural and Molecular Biology*, **2020**, 27, 989-1000	17.6	14
77	The sustained expression of Cas9 targeting toxic RNAs reverses disease phenotypes in mouse models of myotonic dystrophy type 1. *Nature Biomedical Engineering*, **2021**, 5, 157-168	19	14
76	Tissue-selective restriction of RNA editing of CaV1.3 by splicing factor SRSF9. *Nucleic Acids Research*, **2018**, 46, 7323-7338	20.1	14
75	Multiple layers of molecular controls modulate self-renewal and neuronal lineage specification of embryonic stem cells. *Human Molecular Genetics*, **2008**, 17, R67-75	5.6	13
74	Robust single-cell discovery of RNA targets of RNA-binding proteins and ribosomes. *Nature Methods*, **2021**, 18, 507-519	21.6	13
73	Footprinting SHAPE-eCLIP Reveals Transcriptome-wide Hydrogen Bonds at RNA-Protein Interfaces. *Molecular Cell*, **2020**, 80, 903-914.e8	17.6	12
72	Variation in single-nucleotide sensitivity of eCLIP derived from reverse transcription conditions. *Methods*, **2017**, 126, 29-37	4.6	11
71	A protein-RNA interaction atlas of the ribosome biogenesis factor AATF. *Scientific Reports*, **2019**, 9, 11074	4.9	10
70	S-nitrosylated TDP-43 triggers aggregation, cell-to-cell spread, and neurotoxicity in hiPSCs and in vivo models of ALS/FTD. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	10

69	Alternative splicing in stem cell self-renewal and diferentiation. *Advances in Experimental Medicine and Biology*, **2010**, 695, 92-104	3.6	10
68	Evaluation of Engineered CRISPR-Cas-Mediated Systems for Site-Specific RNA Editing. *Cell Reports*, **2020**, 33, 108350	10.6	9
67	Peptide Brush Polymers for Efficient Delivery of a Gene Editing Protein to Stem Cells. *Angewandte Chemie - International Edition*, **2019**, 58, 15646-15649	16.4	9
66	A multi-scale map of cell structure fusing protein images and interactions. *Nature*, **2021**,	50.4	9
65	A Transcriptome-wide Translational Program Defined by LIN28B Expression Level. *Molecular Cell*, **2019**, 73, 304-313.e3	17.6	9
64	A role for alternative splicing in circadian control of exocytosis and glucose homeostasis. *Genes and Development*, **2020**, 34, 1089-1105	12.6	8
63	Alternative Splicing of a Novel Inducible Exon Diversifies the CASK Guanylate Kinase Domain. *Journal of Nucleic Acids*, **2012**, 2012, 816237	2.3	8
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60	Loss of LUC7L2 and U1 snRNP subunits shifts energy metabolism from glycolysis to OXPHOS. *Molecular Cell*, **2021**, 81, 1905-1919.e12	17.6	8
59	Nxf1 natural variant E610G is a semi-dominant suppressor of IAP-induced RNA processing defects. *PLoS Genetics*, **2015**, 11, e1005123	6	7
58	Comprehensive identification of miRNA target sites in live animals. *Methods in Molecular Biology*, **2011**, 732, 169-85	1.4	7
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55	Reply to: "CD8(+) T cell diversification by asymmetric cell division". *Nature Immunology*, **2015**, 16, 893-4	19.1	6
54	DDX5 promotes oncogene C3 and FABP1 expressions and drives intestinal inflammation and tumorigenesis. *Life Science Alliance*, **2020**, 3,	5.8	6
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51	Peptide Brush Polymers for Efficient Delivery of a Gene Editing Protein to Stem Cells. *Angewandte Chemie*, **2019**, 131, 15793-15796	3.6	5
50	Pseudouridine synthases modify human pre-mRNA co-transcriptionally and affect pre-mRNA processing.. *Molecular Cell*, **2022**,	17.6	5
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