

# Robert B Darnell

## List of Publications by Year in descending order

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184  
papers

33,573  
citations

4120

87  
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4101

175  
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217  
all docs

217  
docs citations

217  
times ranked

35684  
citing authors

#	ARTICLE	IF	CITATIONS
1	FMRP Stalls Ribosomal Translocation on mRNAs Linked to Synaptic Function and Autism. <i>Cell</i> , 2011, 146, 247-261.	13.5	1,864
2	Argonaute HITS-CLIP decodes microRNA-mRNA interaction maps. <i>Nature</i> , 2009, 460, 479-486.	13.7	1,651
3	De Novo Gene Disruptions in Children on the Autistic Spectrum. <i>Neuron</i> , 2012, 74, 285-299.	3.8	1,311
4	HITS-CLIP yields genome-wide insights into brain alternative RNA processing. <i>Nature</i> , 2008, 456, 464-469.	13.7	1,245
5	A call for transparent reporting to optimize the predictive value of preclinical research. <i>Nature</i> , 2012, 490, 187-191.	13.7	1,055
6	Microarray Identification of FMRP-Associated Brain mRNAs and Altered mRNA Translational Profiles in Fragile X Syndrome. <i>Cell</i> , 2001, 107, 477-487.	13.5	1,033
7	CLIP Identifies Nova-Regulated RNA Networks in the Brain. <i>Science</i> , 2003, 302, 1212-1215.	6.0	984
8	Paraneoplastic Syndromes Involving the Nervous System. <i>New England Journal of Medicine</i> , 2003, 349, 1543-1554.	13.9	912
9	Fragile X Mental Retardation Protein Targets G Quartet mRNAs Important for Neuronal Function. <i>Cell</i> , 2001, 107, 489-499.	13.5	878
10	Anatomic localization of alternatively spliced leptin receptors (Ob-R) in mouse brain and other tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 7001-7005.	3.3	673
11	A majority of m <sup>6</sup> A residues are in the last exons, allowing the potential for 3' UTR regulation. <i>Genes and Development</i> , 2015, 29, 2037-2053.	2.7	653
12	Vaccine Breakthrough Infections with SARS-CoV-2 Variants. <i>New England Journal of Medicine</i> , 2021, 384, 2212-2218.	13.9	647
13	RNA processing and its regulation: global insights into biological networks. <i>Nature Reviews Genetics</i> , 2010, 11, 75-87.	7.7	639
14	CLIP: A method for identifying protein-RNA interaction sites in living cells. <i>Methods</i> , 2005, 37, 376-386.	1.9	509
15	An RNA map predicting Nova-dependent splicing regulation. <i>Nature</i> , 2006, 444, 580-586.	13.7	477
16	Assembly and diploid architecture of an individual human genome via single-molecule technologies. <i>Nature Methods</i> , 2015, 12, 780-786.	9.0	465
17	Tumor-specific killer cells in paraneoplastic cerebellar degeneration. <i>Nature Medicine</i> , 1998, 4, 1321-1324.	15.2	451
18	m <sup>6</sup> A mRNA modifications are deposited in nascent pre-mRNA and are not required for splicing but do specify cytoplasmic turnover. <i>Genes and Development</i> , 2017, 31, 990-1006.	2.7	448

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19	Nova regulates brain-specific splicing to shape the synapse. <i>Nature Genetics</i> , 2005, 37, 844-852.	9.4	447
20	Mapping in vivo protein-RNA interactions at single-nucleotide resolution from HITS-CLIP data. <i>Nature Biotechnology</i> , 2011, 29, 607-614.	9.4	384
21	Nova-1 Regulates Neuron-Specific Alternative Splicing and Is Essential for Neuronal Viability. <i>Neuron</i> , 2000, 25, 359-371.	3.8	382
22	Dendritic cell maturation is required for the cross-tolerization of CD8+ T cells. <i>Nature Immunology</i> , 2001, 2, 1010-1017.	7.0	368
23	HITS-CLIP: panoramic views of protein-RNA regulation in living cells. <i>Wiley Interdisciplinary Reviews RNA</i> , 2010, 1, 266-286.	3.2	358
24	A Hierarchy of Hu RNA Binding Proteins in Developing and Adult Neurons. <i>Journal of Neuroscience</i> , 1997, 17, 3024-3037.	1.7	347
25	HITS-CLIP and Integrative Modeling Define the Rbfox Splicing-Regulatory Network Linked to Brain Development and Autism. <i>Cell Reports</i> , 2014, 6, 1139-1152.	2.9	326
26	Hepatitis C Virus RNA Functionally Sequesters miR-122. <i>Cell</i> , 2015, 160, 1099-1110.	13.5	324
27	An alternative mode of microRNA target recognition. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 321-327.	3.6	308
28	Genomic Patterns of De Novo Mutation in Simplex Autism. <i>Cell</i> , 2017, 171, 710-722.e12.	13.5	308
29	Sequence-Specific RNA Binding by a Nova KH Domain. <i>Cell</i> , 2000, 100, 323-332.	13.5	307
30	Muscleblind-like 2-Mediated Alternative Splicing in the Developing Brain and Dysregulation in Myotonic Dystrophy. <i>Neuron</i> , 2012, 75, 437-450.	3.8	296
31	Transcriptome-wide miR-155 Binding Map Reveals Widespread Noncanonical MicroRNA Targeting. <i>Molecular Cell</i> , 2012, 48, 760-770.	4.5	290
32	Nova, the paraneoplastic Ri antigen, is homologous to an RNA-binding protein and is specifically expressed in the developing motor system. <i>Neuron</i> , 1993, 11, 657-672.	3.8	289
33	Single-cell RNA-seq of rheumatoid arthritis synovial tissue using low-cost microfluidic instrumentation. <i>Nature Communications</i> , 2018, 9, 791.	5.8	284
34	Involvement of the TRAP220 Component of the TRAP/SMCC Coactivator Complex in Embryonic Development and Thyroid Hormone Action. <i>Molecular Cell</i> , 2000, 5, 683-693.	4.5	276
35	Mapping Argonaute and conventional RNA-binding protein interactions with RNA at single-nucleotide resolution using HITS-CLIP and CIMS analysis. <i>Nature Protocols</i> , 2014, 9, 263-293.	5.5	272
36	Onconeural antigens and the paraneoplastic neurologic disorders: at the intersection of cancer, immunity, and the brain.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 4529-4536.	3.3	268

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37	EBV and human microRNAs co-target oncogenic and apoptotic viral and human genes during latency. <i>EMBO Journal</i> , 2012, 31, 2207-2221.	3.5	268
38	miRNA target chimeras reveal miRNA 3' end pairing as a major determinant of Argonaute target specificity. <i>Nature Communications</i> , 2015, 6, 8864.	5.8	268
39	Integrative Modeling Defines the Nova Splicing-Regulatory Network and Its Combinatorial Controls. <i>Science</i> , 2010, 329, 439-443.	6.0	261
40	Regression of small-cell lung carcinoma in patients with paraneoplastic neuronal antibodies. <i>Lancet</i> , The, 1993, 341, 21-22.	6.3	248
41	Detection and treatment of activated T cells in the cerebrospinal fluid of patients with paraneoplastic cerebellar degeneration. <i>Annals of Neurology</i> , 2000, 47, 9-17.	2.8	248
42	Genome Sequencing of Autism-Affected Families Reveals Disruption of Putative Noncoding Regulatory DNA. <i>American Journal of Human Genetics</i> , 2016, 98, 58-74.	2.6	248
43	Kissing complex RNAs mediate interaction between the Fragile-X mental retardation protein KH2 domain and brain polyribosomes. <i>Genes and Development</i> , 2005, 19, 903-918.	2.7	243
44	Fragile X Mental Retardation Protein Is Associated with Translating Polyribosomes in Neuronal Cells. <i>Journal of Neuroscience</i> , 2004, 24, 7272-7276.	1.7	236
45	Two ZBP1 KH domains facilitate $\beta$ -actin mRNA localization, granule formation, and cytoskeletal attachment. <i>Journal of Cell Biology</i> , 2003, 160, 77-87.	2.3	233
46	Mammalian ELAV-like neuronal RNA-binding proteins HuB and HuC promote neuronal development in both the central and the peripheral nervous systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 9885-9890.	3.3	232
47	A novel adaptor-related protein complex.. <i>Journal of Cell Biology</i> , 1996, 133, 749-760.	2.3	225
48	Splicing Regulation in Neurologic Disease. <i>Neuron</i> , 2006, 52, 93-101.	3.8	221
49	A brain-enriched polypyrimidine tract-binding protein antagonizes the ability of Nova to regulate neuron-specific alternative splicing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 6350-6355.	3.3	220
50	Whole-genome deep-learning analysis identifies contribution of noncoding mutations to autism risk. <i>Nature Genetics</i> , 2019, 51, 973-980.	9.4	216
51	BET protein Brd4 activates transcription in neurons and BET inhibitor Jq1 blocks memory in mice. <i>Nature Neuroscience</i> , 2015, 18, 1464-1473.	7.1	215
52	Structure-function studies of FMRP RGG peptide recognition of an RNA duplex-quadruplex junction. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 796-804.	3.6	205
53	The neuronal RNA-binding protein Nova-2 is implicated as the autoantigen targeted in POMA patients with dementia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 13254-13259.	3.3	199
54	Neuronal Elav-like (Hu) Proteins Regulate RNA Splicing and Abundance to Control Glutamate Levels and Neuronal Excitability. <i>Neuron</i> , 2012, 75, 1067-1080.	3.8	190

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55	A Large Panel of Isogenic APP and PSEN1 Mutant Human iPSC Neurons Reveals Shared Endosomal Abnormalities Mediated by APP $\beta$ -CTFs, Not $A\beta$ . <i>Neuron</i> , 2019, 104, 256-270.e5.	3.8	185
56	ATM binds to $\beta$ -adaplin in cytoplasmic vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 10146-10151.	3.3	175
57	Ptbp2 represses adult-specific splicing to regulate the generation of neuronal precursors in the embryonic brain. <i>Genes and Development</i> , 2012, 26, 1626-1642.	2.7	171
58	Crystal structure reveals specific recognition of a G-quadruplex RNA by a $\beta$ -turn in the RGG motif of FMRP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5391-400.	3.3	168
59	RNA binding proteins and the regulation of neuronal synaptic plasticity. <i>Current Opinion in Neurobiology</i> , 2006, 16, 102-110.	2.0	161
60	Identification of Three Rheumatoid Arthritis Disease Subtypes by Machine Learning Integration of Synovial Histologic Features and $\beta$ -RNA Sequencing Data. <i>Arthritis and Rheumatology</i> , 2018, 70, 690-701.	2.9	157
61	$\beta$ -NAP, a cerebellar degeneration antigen, is a neuron-specific vesicle coat protein. <i>Cell</i> , 1995, 82, 773-783.	13.5	156
62	RNA Protein Interaction in Neurons. <i>Annual Review of Neuroscience</i> , 2013, 36, 243-270.	5.0	155
63	Paraneoplastic neurological degenerations: keys to tumour immunity. <i>Nature Reviews Cancer</i> , 2004, 4, 36-44.	12.8	154
64	Paraneoplastic Syndromes Affecting the Nervous System. <i>Seminars in Oncology</i> , 2006, 33, 270-298.	0.8	153
65	Nova2 Regulates Neuronal Migration through an RNA Switch in Disabled-1 Signaling. <i>Neuron</i> , 2010, 66, 848-858.	3.8	150
66	Distinct Classes of Complex Structural Variation Uncovered across Thousands of Cancer Genome Graphs. <i>Cell</i> , 2020, 183, 197-210.e32.	13.5	141
67	Common Molecular Pathways Mediate Long-Term Potentiation of Synaptic Excitation and Slow Synaptic Inhibition. <i>Cell</i> , 2005, 123, 105-118.	13.5	140
68	The splice of life: Alternative splicing and neurological disease. <i>Nature Reviews Neuroscience</i> , 2001, 2, 43-50.	4.9	139
69	The tetranucleotide UCA $\beta$ directs the specific recognition of RNA by the Nova K-homology 3 domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 5740-5745.	3.3	130
70	Apoptotic Cells Deliver Processed Antigen to Dendritic Cells for Cross-Presentation. <i>PLoS Biology</i> , 2005, 3, e185.	2.6	129
71	Regulatory consequences of neuronal ELAV-like protein binding to coding and non-coding RNAs in human brain. <i>ELife</i> , 2016, 5, .	2.8	128
72	CLIP: Crosslinking and ImmunoPrecipitation of In Vivo RNA Targets of RNA-Binding Proteins. <i>Methods in Molecular Biology</i> , 2008, 488, 85-98.	0.4	117

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73	Loss of the multifunctional RNA-binding protein RBM47 as a source of selectable metastatic traits in breast cancer. <i>ELife</i> , 2014, 3, .	2.8	115
74	A Mouse Model of the Human Fragile X Syndrome I304N Mutation. <i>PLoS Genetics</i> , 2009, 5, e1000758.	1.5	113
75	RNA Identification of PRIME Cells Predicting Rheumatoid Arthritis Flares. <i>New England Journal of Medicine</i> , 2020, 383, 218-228.	13.9	111
76	A Post-Transcriptional Regulatory Mechanism Restricts Expression of the Paraneoplastic Cerebellar Degeneration Antigen cdr2 to Immune Privileged Tissues. <i>Journal of Neuroscience</i> , 1997, 17, 1406-1415.	1.7	110
77	A Broad RNA Virus Survey Reveals Both miRNA Dependence and Functional Sequestration. <i>Cell Host and Microbe</i> , 2016, 19, 409-423.	5.1	109
78	Nova Regulates GABAA Receptor $\beta 2$ Alternative Splicing via a Distal Downstream UCAU-Rich Intronic Splicing Enhancer. <i>Molecular and Cellular Biology</i> , 2003, 23, 4687-4700.	1.1	108
79	Nova autoregulation reveals dual functions in neuronal splicing. <i>EMBO Journal</i> , 2005, 24, 1608-1620.	3.5	107
80	FMRP RNA targets: identification and validation. <i>Genes, Brain and Behavior</i> , 2005, 4, 341-349.	1.1	107
81	Excess Translation of Epigenetic Regulators Contributes to Fragile X Syndrome and Is Alleviated by Brd4 Inhibition. <i>Cell</i> , 2017, 170, 1209-1223.e20.	13.5	106
82	Crystal structures of Nova-1 and Nova-2 K-homology RNA-binding domains. <i>Structure</i> , 1999, 7, 191-203.	1.6	103
83	Rescuing Z <sup>+</sup> agrin splicing in <i>Nova</i> null mice restores synapse formation and unmasks a physiologic defect in motor neuron firing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3513-3518.	3.3	103
84	ZFP36 RNA-binding proteins restrain T cell activation and anti-viral immunity. <i>ELife</i> , 2018, 7, .	2.8	103
85	Discrimination of common and unique RNA-binding activities among Fragile X mental retardation protein paralogs. <i>Human Molecular Genetics</i> , 2009, 18, 3164-3177.	1.4	102
86	Whole-Genome Sequencing of Pharmacogenetic Drug Response in Racially Diverse Children with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1552-1564.	2.5	102
87	The TRAP100 component of the TRAP/Mediator complex is essential in broad transcriptional events and development. <i>EMBO Journal</i> , 2002, 21, 3464-3475.	3.5	97
88	Paraneoplastic Neurologic Disease Antigens: RNA-Binding Proteins and Signaling Proteins in Neuronal Degeneration. <i>Annual Review of Neuroscience</i> , 2001, 24, 239-262.	5.0	95
89	NOVA-dependent regulation of cryptic NMD exons controls synaptic protein levels after seizure. <i>ELife</i> , 2013, 2, e00178.	2.8	92
90	NOVA2-mediated RNA regulation is required for axonal pathfinding during development. <i>ELife</i> , 2016, 5, .	2.8	90

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91	Neuroimmunology of the paraneoplastic neurological degenerations. <i>Current Opinion in Immunology</i> , 2004, 16, 616-622.	2.4	88
92	Germline NPM1 mutations lead to altered rRNA 2â€²-O-methylation and cause dyskeratosis congenita. <i>Nature Genetics</i> , 2019, 51, 1518-1529.	9.4	84
93	Patients with lung cancer and paraneoplastic Hu syndrome harbor HuD-specific type 2 CD8+ T cells. <i>Journal of Clinical Investigation</i> , 2009, 119, 2042-51.	3.9	83
94	Structural insights into mis-regulation of protein kinase A in human tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1374-1379.	3.3	78
95	Alternative Splicing Microarrays Reveal Functional Expression of Neuron-specific Regulators in Hodgkin Lymphoma Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 4779-4784.	1.6	76
96	Evolution of Nova-Dependent Splicing Regulation in the Brain. <i>PLoS Genetics</i> , 2007, 3, e173.	1.5	76
97	PAPERCLIP Identifies MicroRNA Targets and a Role of CstF64/64tau in Promoting Non-canonical poly(A) Site Usage. <i>Cell Reports</i> , 2016, 15, 423-435.	2.9	73
98	Pre-mRNA processing includes <i>N<sup>6</sup></i> methylation of adenosine residues that are retained in mRNA exons and the fallacy of "œRNA epigenetics". <i>Rna</i> , 2018, 24, 262-267.	1.6	70
99	FMRP has a cell-type-specific role in CA1 pyramidal neurons to regulate autism-related transcripts and circadian memory. <i>ELife</i> , 2019, 8, .	2.8	70
100	Prediction of clustered RNA-binding protein motif sites in the mammalian genome. <i>Nucleic Acids Research</i> , 2013, 41, 6793-6807.	6.5	64
101	Argonaute CLIP Defines a Deregulated miR-122-Bound Transcriptome that Correlates with Patient Survival in Human Liver Cancer. <i>Molecular Cell</i> , 2017, 67, 400-410.e7.	4.5	64
102	Progressive impairment of muscle regeneration in muscleblind-like 3 isoform knockout mice. <i>Human Molecular Genetics</i> , 2013, 22, 3547-3558.	1.4	61
103	cTag-PAPERCLIP Reveals Alternative Polyadenylation Promotes Cell-Type Specific Protein Diversity and Shifts Araf Isoforms with Microglia Activation. <i>Neuron</i> , 2017, 95, 1334-1349.e5.	3.8	60
104	Protein-RNA and Protein-Protein Recognition by Dual KH1/2 Domains of the Neuronal Splicing Factor Nova-1. <i>Structure</i> , 2011, 19, 930-944.	1.6	59
105	NOVA regulates Dcc alternative splicing during neuronal migration and axon guidance in the spinal cord. <i>ELife</i> , 2016, 5, .	2.8	59
106	Disease variants in genomes of 44 centenarians. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2014, 2, 438-450.	0.6	58
107	The neuronal splicing factor Nova co-localizes with target RNAs in the dendrite. <i>Frontiers in Neural Circuits</i> , 2010, 4, 5.	1.4	57
108	Paraneoplastic Neurologic Disorders. <i>Archives of Neurology</i> , 2004, 61, 30.	4.9	56

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109	CLIP (Cross-Linking and Immunoprecipitation) Identification of RNAs Bound by a Specific Protein. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot072132.	0.2	56
110	Dendritic-cell maturation alters intracellular signaling networks, enabling differential effects of IFN- $\beta$ /IFN- $\gamma$ on antigen cross-presentation. Blood, 2007, 109, 1113-1122.	0.6	55
111	Expression and Structure of Human Placental Hormone Genes as a Function of Placental Development. Biology of Reproduction, 1982, 26, 73-91.	1.2	54
112	IL-2 Is Required for the Activation of Memory CD8+ T Cells via Antigen Cross-Presentation. Journal of Immunology, 2006, 176, 7288-7300.	0.4	54
113	Differential NOVA2-Mediated Splicing in Excitatory and Inhibitory Neurons Regulates Cortical Development and Cerebellar Function. Neuron, 2019, 101, 707-720.e5.	3.8	52
114	The Future of Cross-Linking and Immunoprecipitation (CLIP). Cold Spring Harbor Perspectives in Biology, 2018, 10, a032243.	2.3	51
115	Cellular Immune Suppression in Paraneoplastic Neurologic Syndromes Targeting Intracellular Antigens. Archives of Neurology, 2012, 69, 1132-40.	4.9	49
116	Genome-wide landscape of RNA-binding protein target site dysregulation reveals a major impact on psychiatric disorder risk. Nature Genetics, 2021, 53, 166-173.	9.4	49
117	Observing the invisible: successful tumor immunity in humans. Nature Immunology, 2003, 4, 201-201.	7.0	47
118	Elavl3 is essential for the maintenance of Purkinje neuron axons. Scientific Reports, 2018, 8, 2722.	1.6	47
119	The fragile X mental retardation protein, FMRP, recognizes G-quartets. Mental Retardation and Developmental Disabilities Research Reviews, 2004, 10, 49-52.	3.5	46
120	The neuronal nuclear antigen recognized by the human anti-Ri autoantibody is expressed in central but not peripheral nervous system neurons. Neuroscience Letters, 1993, 150, 212-214.	1.0	43
121	The neuronal splicing factor Nova controls alternative splicing in N-type and P-type Ca <sup>v</sup> <sub>2</sub> calcium channels. Channels, 2010, 4, 483-489.	1.5	43
122	Immune Escape via a Transient Gene Expression Program Enables Productive Replication of a Latent Pathogen. Cell Reports, 2017, 18, 1312-1323.	2.9	43
123	A new cause of limbic encephalopathy. Brain, 2005, 128, 1745-1746.	3.7	39
124	RNA Regulation in Neurologic Disease and Cancer. Cancer Research and Treatment, 2010, 42, 125.	1.3	39
125	A T cell receptor associated with naturally occurring human tumor immunity. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19073-19078.	3.3	37
126	Sox21 is a repressor of neuronal differentiation and is antagonized by YB-1. Neuroscience Letters, 2004, 358, 157-160.	1.0	36



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127	Developing Global Insight into RNA Regulation. Cold Spring Harbor Symposia on Quantitative Biology, 2006, 71, 321-327.	2.0	34
128	The Importance of Defining the Paraneoplastic Neurologic Disorders. New England Journal of Medicine, 1999, 340, 1831-1833.	13.9	32
129	The Onconeural Antigen cdr2 Is a Novel APC/C Target that Acts in Mitosis to Regulate C-Myc Target Genes in Mammalian Tumor Cells. PLoS ONE, 2010, 5, e10045.	1.1	32
130	Comparing sequencing assays and human-machine analyses in actionable genomics for glioblastoma. Neurology: Genetics, 2017, 3, e164.	0.9	32
131	A recurrent novel <i>NUTM1</i> fusion identifies a new subtype of high-grade spindle cell sarcoma. Journal of Physical Education and Sports Management, 2018, 4, a003194.	0.5	32
132	NOVA2 regulates neural circRNA biogenesis. Nucleic Acids Research, 2021, 49, 6849-6862.	6.5	32
133	T cells targeting a neuronal paraneoplastic antigen mediate tumor rejection and trigger CNS autoimmunity with humoral activation. European Journal of Immunology, 2014, 44, 3240-3251.	1.6	31
134	Successful Targeted Therapy of Refractory Pediatric <i>ETV6-NTRK3</i> Fusion-Positive Secretory Breast Carcinoma. JCO Precision Oncology, 2017, 2017, 1-8.	1.5	31
135	Differential 3'UTR processing of specific transcripts expands regulatory and protein diversity across neuronal cell types. ELife, 2018, 7, .	2.8	30
136	A novel antineuronal antibody in stiff-man syndrome. Neurology, 1993, 43, 114-114.	1.5	30
137	The polymerase chain reaction: Application to nervous system disease. Annals of Neurology, 1993, 34, 513-523.	2.8	28
138	FMRP regulates mRNAs encoding distinct functions in the cell body and dendrites of CA1 pyramidal neurons. ELife, 2021, 10, .	2.8	28
139	A destructive feedback loop mediated by CXCL 10 in central nervous system inflammatory disease. Annals of Neurology, 2015, 78, 619-629.	2.8	26
140	Determination and augmentation of RNA sequence specificity of the Nova K-homology domains. Nucleic Acids Research, 2004, 32, 4852-4861.	6.5	25
141	YTHDC2 control of gametogenesis requires helicase activity but not m <sup>6</sup> A binding. Genes and Development, 2022, 36, 180-194.	2.7	25
142	Tolerance to the Neuron-Specific Paraneoplastic HuD Antigen. PLoS ONE, 2009, 4, e5739.	1.1	24
143	Global mapping of miRNA-target interactions in cattle ( <i>Bos taurus</i> ). Scientific Reports, 2017, 7, 8190.	1.6	23
144	Immunologic Complexity in Neurons. Neuron, 1998, 21, 947-950.	3.8	22

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145	Dendritic cells loaded with FK506 kill T cells in an antigen-specific manner and prevent autoimmunity in vivo. <i>ELife</i> , 2013, 2, e00105.	2.8	22
146	Identification of targetable BRAF V600E variant by whole-genome sequencing leading to dabrafenib-induced remission of a BRAF-mutant pancreatic adenocarcinoma. <i>Journal of Physical Education and Sports Management</i> , 2019, 5, a004424.	0.5	21
147	Microexons—Tiny but mighty. <i>EMBO Journal</i> , 2015, 34, 273-274.	3.5	20
148	AGO CLIP Reveals an Activated Network for Acute Regulation of Brain Glutamate Homeostasis in Ischemic Stroke. <i>Cell Reports</i> , 2019, 28, 979-991.e6.	2.9	20
149	Functional and Mechanistic Insights From Genome-Wide Studies of Splicing Regulation in the Brain. <i>Advances in Experimental Medicine and Biology</i> , 2007, 623, 148-160.	0.8	20
150	Mouse Chromosomal Locations of Nine Genes Encoding Homologs of Human Paraneoplastic Neurologic Disorder Antigens. <i>Genomics</i> , 1997, 45, 313-319.	1.3	19
151	Cell type-specific CLIP reveals that NOVA regulates cytoskeleton interactions in motoneurons. <i>Genome Biology</i> , 2018, 19, 117.	3.8	19
152	CDR2-Specific CTLs are detected in the blood of all patients with paraneoplastic cerebellar degeneration analyzed. <i>Annals of Neurology</i> , 2000, 48, 270-270.	2.8	15
153	RIN1-associated paraneoplastic subacute motor neuronopathy. <i>Muscle and Nerve</i> , 2013, 47, 617-618.	1.0	15
154	Harnessing Naturally Occurring Tumor Immunity: A Clinical Vaccine Trial in Prostate Cancer. <i>PLoS ONE</i> , 2010, 5, e12367.	1.1	14
155	Memory, Synaptic Translation, and Prions. <i>Cell</i> , 2003, 115, 767-768.	13.5	13
156	Effective antigen cross-presentation by prostate cancer patients' dendritic cells: implications for prostate cancer immunotherapy. <i>Prostate Cancer and Prostatic Diseases</i> , 2004, 7, 63-72.	2.0	13
157	Whole Genome Sequencing-Based Discovery of Structural Variants in Glioblastoma. <i>Methods in Molecular Biology</i> , 2018, 1741, 1-29.	0.4	11
158	Patient-Driven Discovery, Therapeutic Targeting, and Post-Clinical Validation of a Novel AKT1 Fusion-Driven Cancer. <i>Cancer Discovery</i> , 2019, 9, 605-616.	7.7	11
159	Autoimmune encephalopathy: The spectrum widens. <i>Annals of Neurology</i> , 2009, 66, 1-2.	2.8	10
160	Proteolytic degradation and potential role of onconeural protein CDR2 in neurodegeneration. <i>Cell Death and Disease</i> , 2016, 7, e2240-e2240.	2.7	10
161	Differential burden of rare protein truncating variants in Alzheimer's disease patients compared to centenarians. <i>Human Molecular Genetics</i> , 2016, 25, dww150.	1.4	10
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