Peng Jin

List of Publications by Year
in descending order

211	22,703	14644 66	9090 144
papers	citations	h-index	g-index

225	225	225	27273
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Brain-Region-Specific Organoids Using Mini-bioreactors for Modeling ZIKV Exposure. Cell, 2016, 165, 1238-1254.	13.5	1,680
2	Zika Virus Infects Human Cortical Neural Progenitors and Attenuates Their Growth. Cell Stem Cell, 2016, 18, 587-590.	5.2	1,125
3	Microarray Identification of FMRP-Associated Brain mRNAs and Altered mRNA Translational Profiles in Fragile X Syndrome. Cell, 2001, 107, 477-487.	13.5	1,033
4	Selective chemical labeling reveals the genome-wide distribution of 5-hydroxymethylcytosine. Nature Biotechnology, 2011, 29, 68-72.	9.4	955
5	Base-Resolution Analysis of 5-Hydroxymethylcytosine in the Mammalian Genome. Cell, 2012, 149, 1368-1380.	13.5	912
6	Fragile X Mental Retardation Protein Targets G Quartet mRNAs Important for Neuronal Function. Cell, 2001, 107, 489-499.	13.5	878
7	5-hmCâ€“mediated epigenetic dynamics during postnatal neurodevelopment and aging. Nature Neuroscience, 2011, 14, 1607-1616.	7.1	746
8	Biochemical and genetic interaction between the fragile X mental retardation protein and the microRNA pathway. Nature Neuroscience, 2004, 7, 113-117.	7.1	571
9	Temporal Control of Mammalian Cortical Neurogenesis by m6A Methylation. Cell, 2017, 171, 877-889.e17.	13.5	567
10	Genome-wide Profiling of 5-Formylcytosine Reveals Its Roles in Epigenetic Priming. Cell, 2013, 153, 678-691.	13.5	502
11	Single nucleotide polymorphism associated with mature miR-125a alters the processing of pri-miRNA. Human Molecular Genetics, 2007, 16, 1124-1131.	1.4	495
12	Cross talk between microRNA and epigenetic regulation in adult neurogenesis. Journal of Cell Biology, 2010, 189, 127-141.	2.3	445
13	MicroRNA miR-137 Regulates Neuronal Maturation by Targeting Ubiquitin Ligase Mind Bomb-1. Stem Cells, 2010, 28, 1060-1070.	1.4	349
14	RNA-Mediated Neurodegeneration Caused by the Fragile X Premutation rCGG Repeats in Drosophila. Neuron, 2003, 39, 739-747.	3.8	344
15	RNA and microRNAs in fragile X mental retardation. Nature Cell Biology, 2004, 6, 1048-1053.	4.6	324
16	RNA-Binding Proteins hnRNP A2/B1 and CUGBP1 Suppress Fragile X CGG Premutation Repeat-Induced Neurodegeneration in a Drosophila Model of FXTAS. Neuron, 2007, 55, 565-571.	3.8	309
17	Expanded GGGGCC repeat RNA associated with amyotrophic lateral sclerosis and frontotemporal dementia causes neurodegeneration. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7778-7783.	3.3	306
18	Epigenetic mechanisms in neurogenesis. Nature Reviews Neuroscience, 2016, 17, 537-549.	4.9	299

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19	Pur Î± Binds to rCGG Repeats and Modulates Repeat-Mediated Neurodegeneration in a Drosophila Model of Fragile X Tremor/Ataxia Syndrome. Neuron, 2007, 55, 556-564.	3.8	294
20	Epitranscriptomic m6A Regulation of Axon Regeneration in the Adult Mammalian Nervous System. Neuron, 2018, 97, 313-325.e6.	3.8	292
21	Epigenetic Regulation of miR-184 by MBD1 Governs Neural Stem Cell Proliferation and Differentiation. Cell Stem Cell, 2010, 6, 433-444.	5.2	287
22	CRISPR/Cas9-mediated gene editing ameliorates neurotoxicity in mouse model of Huntingtonâ€™s disease. Journal of Clinical Investigation, 2017, 127, 2719-2724.	3.9	282
23	Glutamate Dehydrogenase 1 Signals through Antioxidant Glutathione Peroxidase 1 to Regulate Redox Homeostasis and Tumor Growth. Cancer Cell, 2015, 27, 257-270.	7.7	269
24	U1 small nuclear ribonucleoprotein complex and RNA splicing alterations in Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16562-16567.	3.3	268
25	Integrating 5-Hydroxymethylcytosine into the Epigenomic Landscape of Human Embryonic Stem Cells. PLoS Genetics, 2011, 7, e1002154.	1.5	250
26	Small Molecules Efficiently Reprogram Human Astroglial Cells into Functional Neurons. Cell Stem Cell, 2015, 17, 735-747.	5.2	250
27	Identification of small molecules rescuing fragile X syndrome phenotypes in Drosophila. Nature Chemical Biology, 2008, 4, 256-263.	3.9	248
28	Tet-assisted bisulfite sequencing of 5-hydroxymethylcytosine. Nature Protocols, 2012, 7, 2159-2170.	5.5	236
29	A small molecule enhances RNA interference and promotes microRNA processing. Nature Biotechnology, 2008, 26, 933-940.	9.4	230
30	Fat mass and obesity-associated (FTO) protein regulates adult neurogenesis. Human Molecular Genetics, 2017, 26, 2398-2411.	1.4	221
31	Expansion of Human-Specific GGC Repeat in Neuronal Intranuclear Inclusion Disease-Related Disorders. American Journal of Human Genetics, 2019, 105, 166-176.	2.6	212
32	Fragile X Mental Retardation Protein Regulates Proliferation and Differentiation of Adult Neural Stem/Progenitor Cells. PLoS Genetics, 2010, 6, e1000898.	1.5	211
33	Ablation of Fmrp in adult neural stem cells disrupts hippocampus-dependent learning. Nature Medicine, 2011, 17, 559-565.	15.2	205
34	Detection of differentially methylated regions from whole-genome bisulfite sequencing data without replicates. Nucleic Acids Research, 2015, 43, gkv715.	6.5	203
35	New insights into fragile X syndrome: from molecules to neurobehaviors. Trends in Biochemical Sciences, 2003, 28, 152-158.	3.7	193
36	TET1 plays an essential oncogenic role in MLL -rearranged leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11994-11999.	3.3	185

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37	DNA N6-methyladenine is dynamically regulated in the mouse brain following environmental stress. Nature Communications, 2017, 8, 1122.	5.8	182
38	Roles of small regulatory RNAs in determining neuronal identity. Nature Reviews Neuroscience, 2010, 11, 329-338.	4.9	168
39	Zika-Virus-Encoded NS2A Disrupts Mammalian Cortical Neurogenesis by Degrading Adherens Junction Proteins. Cell Stem Cell, 2017, 21, 349-358.e6.	5.2	163
40	Role of Tet1 and 5-hydroxymethylcytosine in cocaine action. Nature Neuroscience, 2015, 18, 536-544.	7.1	160
41	Genome-wide DNA hydroxymethylation changes are associated with neurodevelopmental genes in the developing human cerebellum. Human Molecular Genetics, 2012, 21, 5500-5510.	1.4	157
42	Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. Nucleic Acids Research, 2016, 44, 8610-8620.	6.5	155
43	N6-methyladenosine dynamics in neurodevelopment and aging, and its potential role in Alzheimerâ€™s disease. Genome Biology, 2021, 22, 17.	3.8	131
44	Gambogic amide, a selective agonist for TrkA receptor that possesses robust neurotrophic activity, prevents neuronal cell death. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16329-16334.	3.3	129
45	Cell-Cycle Control of Developmentally Regulated Transcription Factors Accounts for Heterogeneity in Human Pluripotent Cells. Stem Cell Reports, 2013, 1, 532-544.	2.3	129
46	Fragile X mental retardation protein modulates the stability of its m6A-marked messenger RNA targets. Human Molecular Genetics, 2018, 27, 3936-3950.	1.4	129
47	Partial loss of psychiatric risk gene Mir137 in mice causes repetitive behavior and impairs sociability and learning via increased Pde10a. Nature Neuroscience, 2018, 21, 1689-1703.	7.1	127
48	Chemical Modification-Assisted Bisulfite Sequencing (CAB-Seq) for 5-Carboxylcytosine Detection in DNA. Journal of the American Chemical Society, 2013, 135, 9315-9317.	6.6	116
49	The Bantam microRNA Is Associated with Drosophila Fragile X Mental Retardation Protein and Regulates the Fate of Germline Stem Cells. PLoS Genetics, 2009, 5, e1000444.	1.5	103
50	Argonaute 1 regulates the fate of germline stem cells in Drosophila. Development (Cambridge), 2007, 134, 4265-4272.	1.2	90
51	The loss of methyl-CpG binding protein 1 leads to autism-like behavioral deficits. Human Molecular Genetics, 2008, 17, 2047-2057.	1.4	89
52	Histone deacetylase 3 associates with MeCP2 to regulate FOXO and social behavior. Nature Neuroscience, 2016, 19, 1497-1505.	7.1	88
53	Tet2 loss leads to hypermutagenicity in haematopoietic stem/progenitor cells. Nature Communications, 2017, 8, 15102.	5.8	88
54	Subtelomeric hotspots of aberrant 5-hydroxymethylcytosine-mediated epigenetic modifications during reprogramming to pluripotency. Nature Cell Biology, 2013, 15, 700-711.	4.6	87

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55	Zika virus directly infects peripheral neurons and induces cell death. Nature Neuroscience, 2017, 20, 1209-1212.	7.1	85
56	Dynamics of DNA Methylation in Aging and Alzheimer's Disease. DNA and Cell Biology, 2012, 31, S-42-S-48.	0.9	84
57	Combined Loss of Tet1 and Tet2 Promotes B Cell, but Not Myeloid Malignancies, in Mice. Cell Reports, 2015, 13, 1692-1704.	2.9	83
58	A genomeâ€wide profiling of brain DNA hydroxymethylation in Alzheimer's disease. Alzheimer's and Dementia, 2017, 13, 674-688.	0.4	83
59	Ten-eleven translocation 2 interacts with forkhead box O3 and regulates adult neurogenesis. Nature Communications, 2017, 8, 15903.	5.8	82
60	DICER1 and microRNA regulation in post-traumatic stress disorder with comorbid depression. Nature Communications, 2015, 6, 10106.	5.8	81
61	A human forebrain organoid model of fragile X syndrome exhibits altered neurogenesis and highlights new treatment strategies. Nature Neuroscience, 2021, 24, 1377-1391.	7.1	80
62	Unlocking epigenetic codes in neurogenesis. Genes and Development, 2014, 28, 1253-1271.	2.7	79
63	RNA-Binding Protein FXR2 Regulates Adult Hippocampal Neurogenesis by Reducing Noggin Expression. Neuron, 2011, 70, 924-938.	3.8	78
64	Fragile X premutation RNA is sufficient to cause primary ovarian insufficiency in mice. Human Molecular Genetics, 2012, 21, 5039-5047.	1.4	78
65	Lin28A Binds Active Promoters and Recruits Tet1 to Regulate Gene Expression. Molecular Cell, 2016, 61, 153-160.	4.5	74
66	Fragile X Protein Functions with Lgl and the PAR Complex in Flies and Mice. Developmental Cell, 2005, 8, 43-52.	3.1	73
67	5-Hydroxymethylcytosine: A new player in brain disorders?. Experimental Neurology, 2015, 268, 3-9.	2.0	72
68	Active N6-Methyladenine Demethylation by DMAD Regulates Gene Expression by Coordinating with Polycomb Protein in Neurons. Molecular Cell, 2018, 71, 848-857.e6.	4.5	71
69	Retrotransposon activation contributes to fragile X premutation rCGG-mediated neurodegeneration. Human Molecular Genetics, 2012, 21, 57-65.	1.4	69
70	Neuronal Morphogenesis Is Regulated by the Interplay between Cyclin-Dependent Kinase 5 and the Ubiquitin Ligase Mind Bomb 1. Journal of Neuroscience, 2007, 27, 9503-9512.	1.7	68
71	DIVAN: accurate identification of non-coding disease-specific risk variants using multi-omics profiles. Genome Biology, 2016, 17, 252.	3.8	67
72	Fragile X mental retardation protein modulates the fate of germline stem cells in Drosophila. Human Molecular Genetics, 2007, 16, 1814-1820.	1.4	61

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73	Cell cycle-linked MeCP2 phosphorylation modulates adult neurogenesis involving the Notch signalling pathway. Nature Communications, 2014, 5, 5601.	5.8	57
74	Environmental enrichment modulates 5-hydroxymethylcytosine dynamics in hippocampus. Genomics, 2014, 104, 376-382.	1.3	57
75	Altering 5-hydroxymethylcytosine modification impacts ischemic brain injury. Human Molecular Genetics, 2015, 24, 5855-5866.	1.4	57
76	Proteomic and lipidomic analysis of exosomes derived from ovarian cancer cells and ovarian surface epithelial cells. Journal of Ovarian Research, 2020, 13, 9.	1.3	57
77	Nuclear Accumulation of Stress Response mRNAs Contributes to the Neurodegeneration Caused by Fragile X Premutation rCGG Repeats. PLoS Genetics, 2011, 7, e1002102.	1.5	56
78	The Ecdysone Receptor Coactivator Taiman Links Yorkie to Transcriptional Control of Germline Stem Cell Factors in Somatic Tissue. Developmental Cell, 2015, 34, 168-180.	3.1	56
79	Iron Homeostasis Regulates the Activity of the MicroRNA Pathway through Poly(C)-Binding Protein 2. Cell Metabolism, 2012, 15, 895-904.	7.2	55
80	Use of model systems to understand the etiology of fragile X-associated primary ovarian insufficiency (FXPOI). Journal of Neurodevelopmental Disorders, 2014, 6, 26.	1.5	55
81	5-Hydroxymethylation-associated epigenetic modifiers of Alzheimerâ€™s disease modulate Tau-induced neurotoxicity. Human Molecular Genetics, 2016, 25, ddw109.	1.4	53
82	Genome-wide alteration of 5-hydroxymethylcytosine in a mouse model of fragile X-associated tremor/ataxia syndrome. Human Molecular Genetics, 2014, 23, 1095-1107.	1.4	52
83	DNA methylation dynamics in neurogenesis. Epigenomics, 2016, 8, 401-414.	1.0	52
84	MicroRNA-277 Modulates the Neurodegeneration Caused by Fragile X Premutation rCGG Repeats. PLoS Genetics, 2012, 8, e1002681.	1.5	50
85	AGO3 Slicer activity regulates mitochondriaâ€“nuage localization of Armitage and piRNA amplification. Journal of Cell Biology, 2014, 206, 217-230.	2.3	50
86	Fragile X-Associated Tremor/Ataxia Syndrome: From Molecular Pathogenesis to Development of Therapeutics. Frontiers in Cellular Neuroscience, 2017, 11, 128.	1.8	49
87	Tet-mediated covalent labelling of 5-methylcytosine for its genome-wide detection and sequencing. Nature Communications, 2013, 4, 1517.	5.8	48
88	Genome-wide alteration of 5-hydroxymenthylcytosine in a mouse model of Alzheimerâ€™s disease. BMC Genomics, 2016, 17, 381.	1.2	48
89	Genome-wide alterations in hippocampal 5-hydroxymethylcytosine links plasticity genes to acute stress. Neurobiology of Disease, 2016, 86, 99-108.	2.1	48
90	Small regulatory RNAs in neurodevelopmental disorders. Human Molecular Genetics, 2009, 18, R18-R26.	1.4	47

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91	The Role of RNA and RNA Processing in Neurodegeneration. Journal of Neuroscience, 2005, 25, 10372-10375.	1.7	46
92	Base-resolution methylation patterns accurately predict transcription factor bindings in vivo. Nucleic Acids Research, 2015, 43, 2757-2766.	6.5	46
93	Ten-Eleven Translocation Proteins Modulate the Response to Environmental Stress in Mice. Cell Reports, 2018, 25, 3194-3203.e4.	2.9	46
94	Come FLY with us: toward understanding fragile X syndrome. Genes, Brain and Behavior, 2005, 4, 385-392.	1.1	43
95	Argonaute-2-dependent rescue of a Drosophila model of FXTAS by FRAXE premutation repeat. Human Molecular Genetics, 2007, 16, 2326-2332.	1.4	43
96	The microRNA pathway and fragile X mental retardation protein. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 702-705.	0.9	43
97	Fat mass and obesity-associated (FTO) protein interacts with CaMKII and modulates the activity of CREB signaling pathway. Human Molecular Genetics, 2014, 23, 3299-3306.	1.4	43
98	DNA methylation and hydroxymethylation in stem cells. Cell Biochemistry and Function, 2015, 33, 161-173.	1.4	43
99	Chemical screen reveals small molecules suppressing fragile X premutation rCGG repeat-mediated neurodegeneration in Drosophila. Human Molecular Genetics, 2012, 21, 2068-2075.	1.4	42
100	Neuropeptides Modulate Local Astrocytes to Regulate Adult Hippocampal Neural Stem Cells. Neuron, 2020, 108, 349-366.e6.	3.8	42
101	Developing DNA methylation-based diagnostic biomarkers. Journal of Genetics and Genomics, 2018, 45, 87-97.	1.7	41
102	Integrating DNA methylation dynamics into a framework for understanding epigenetic codes. BioEssays, 2014, 36, 107-117.	1.2	37
103	Epigenetics-Based Therapeutics for Neurodegenerative Disorders. Current Geriatrics Reports, 2012, 1, 229-236.	1.1	36
104	Cell-type-specific profiling of human cellular models of fragile X syndrome reveal PI3K-dependent defects in translation and neurogenesis. Cell Reports, 2021, 35, 108991.	2.9	36
105	RNA-mediated neurodegeneration in fragile X-associated tremor/ataxia syndrome. Brain Research, 2012, 1462, 112-117.	1.1	35
106	Dissecting differential signals in high-throughput data from complex tissues. Bioinformatics, 2019, 35, 3898-3905.	1.8	35
107	Disease prediction by cell-free DNA methylation. Briefings in Bioinformatics, 2019, 20, 585-597.	3.2	35
108	Structural basis of nucleic-acid recognition and double-strand unwinding by the essential neuronal protein Pur-alpha. ELife, 2016, 5, .	2.8	35

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109	Cytosine modifications in neurodevelopment and diseases. Cellular and Molecular Life Sciences, 2014, 71, 405-418.	2.4	34
110	Noncoding RNAs in the Brain. Journal of Neuroscience, 2007, 27, 11856-11859.	1.7	33
111	A Partial Picture of the Single-Cell Transcriptomics of Human IgA Nephropathy. Frontiers in Immunology, 2021, 12, 645988.	2.2	31
112	Piperine ameliorates SCA17 neuropathology by reducing ER stress. Molecular Neurodegeneration, 2018, 13, 4.	4.4	29
113	5-Hydroxymethylcytosine alterations in the human postmortem brains of autism spectrum disorder. Human Molecular Genetics, 2018, 27, 2955-2964.	1.4	28
114	Single-cell analysis of angiotensin-converting enzyme II expression in human kidneys and bladders reveals a potential route of 2019 novel coronavirus infection. Chinese Medical Journal, 2021, 134, 935-943.	0.9	28
115	A machine learning approach to brain epigenetic analysis reveals kinases associated with Alzheimerâ€™s disease. Nature Communications, 2021, 12, 4472.	5.8	28
116	Emergence of Chemical Biology Approaches to the RNAi/miRNA Pathway. Chemistry and Biology, 2010, 17, 584-589.	6.2	27
117	The Phenotypes and Mechanisms of NOTCH2NLC-Related GGC Repeat Expansion Disorders: a Comprehensive Review. Molecular Neurobiology, 2022, 59, 523-534.	1.9	27
118	A feed-forward mechanism involving Drosophila fragile X mental retardation protein triggers a replication stress-induced DNA damage response. Human Molecular Genetics, 2014, 23, 5188-5196.	1.4	26
119	Genome-wide antagonism between 5-hydroxymethylcytosine and DNA methylation in the adult mouse brain. Frontiers in Biology, 2014, 9, 66-74.	0.7	26
120	Coordination of Engineered Factors with TET1/2 Promotes Early-Stage Epigenetic Modification during Somatic Cell Reprogramming. Stem Cell Reports, 2014, 2, 253-261.	2.3	25
121	5-Hydroxymethylcytosine-mediated alteration of transposon activity associated with the exposure to adversein uteroenvironments in human. Human Molecular Genetics, 2016, 25, 2208-2219.	1.4	25
122	Progress in the genetic analysis of Parkinsonâ€™s disease. Human Molecular Genetics, 2019, 28, R241-R253.	1.4	25
123	Sex-specific hippocampal 5-hydroxymethylcytosine is disrupted in response to acute stress. Neurobiology of Disease, 2016, 96, 54-66.	2.1	24
124	Gossypol Acetic Acid Prevents Oxidative Stress-Induced Retinal Pigment Epithelial Necrosis by Regulating the FoxO3/Sestrin2 Pathway. Molecular and Cellular Biology, 2015, 35, 1952-1963.	1.1	23
125	Reversing Behavioral, Neuroanatomical, and Germline Influences of Intergenerational Stress. Biological Psychiatry, 2019, 85, 248-256.	0.7	23
126	Single-Cell Profiling Reveals Transcriptional Signatures and Cell-Cell Crosstalk in Anti-PLA2R Positive Idiopathic Membranous Nephropathy Patients. Frontiers in Immunology, 2021, 12, 683330.	2.2	23

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127	Dysregulated mitochondrial and cytosolic tRNA m1A methylation in Alzheimerâ€™s disease. Human Molecular Genetics, 2022, 31, 1673-1680.	1.4	23
128	An all-to-all approach to the identification of sequence-specific readers for epigenetic DNA modifications on cytosine. Nature Communications, 2021, 12, 795.	5.8	22
129	Toward pluripotency by reprogramming: mechanisms and application. Protein and Cell, 2013, 4, 820-832.	4.8	21
130	CGG repeats in RNA modulate expression of TDP-43 in mouse and fly models of fragile X tremor ataxia syndrome. Human Molecular Genetics, 2014, 23, 5906-5915.	1.4	21
131	Role of microRNA Pathway in Mental Retardation. Scientific World Journal, The, 2007, 7, 146-154.	0.8	20
132	Activation of GPR39 with TC-G 1008Âattenuates neuroinflammation via SIRT1/PGC-1Î±/Nrf2 pathway post-neonatal hypoxicâ€“ischemic injury in rats. Journal of Neuroinflammation, 2021, 18, 226.	3.1	20
133	Circadian Rhythm-Dependent Alterations of Gene Expression in Drosophila Brain Lacking Fragile X Mental Retardation Protein. PLoS ONE, 2012, 7, e37937.	1.1	19
134	Distinctive Klf4 mutants determine preference for DNA methylation status. Nucleic Acids Research, 2016, 44, gkw774.	6.5	19
135	Important Correlates of Purpose in Life Identified Through a Machine Learning Approach. American Journal of Geriatric Psychiatry, 2021, 29, 488-498.	0.6	19
136	Role of Sp Proteins and RORÎ± in Transcription Regulation of Murine Prosaposin. Journal of Biological Chemistry, 1998, 273, 13208-13216.	1.6	18
137	Identification of Messenger RNAs and MicroRNAs Associated With Fragile X Mental Retardation Protein. , 2006, 342, 267-276.		18
138	RNA-mediated pathogenesis in fragile X-associated disorders. Neuroscience Letters, 2009, 466, 103-108.	1.0	18
139	Role of noncoding RNAs in trinucleotide repeat neurodegenerative disorders. Experimental Neurology, 2012, 235, 469-475.	2.0	17
140	Structural dynamics control the MicroRNA maturation pathway. Nucleic Acids Research, 2016, 44, gkw793.	6.5	17
141	Dynamic N6-methyladenosine RNA methylation in brain and diseases. Epigenomics, 2020, 12, 371-380.	1.0	17
142	Isolation and characterization of the human prosaposin promoter. Gene, 1998, 218, 37-47.	1.0	15
143	Macro Role(s) of MicroRNAs in Fragile X Syndrome?. NeuroMolecular Medicine, 2009, 11, 200-207.	1.8	14
144	Towards Understanding RNA-Mediated Neurological Disorders. Journal of Genetics and Genomics, 2014, 41, 473-484.	1.7	14

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145	The Mouse Prosaposin Locus: Promoter Organization. DNA and Cell Biology, 1997, 16, 23-34.	0.9	13
146	The Drosophila Helicase MLE Targets Hairpin Structures in Genomic Transcripts. PLoS Genetics, 2016, 12, e1005761.	1.5	13
147	A comprehensive review of computational prediction of genome-wide features. Briefings in Bioinformatics, 2020, 21, 120-134.	3.2	12
148	The Taiman Transcriptional Coactivator Engages Toll Signals to Promote Apoptosis and Intertissue Invasion in Drosophila. Current Biology, 2019, 29, 2790-2800.e4.	1.8	12
149	Robust partial reference-free cell composition estimation from tissue expression. Bioinformatics, 2020, 36, 3431-3438.	1.8	12
150	Therapeutic Development for CGG Repeat Expansion-Associated Neurodegeneration. Frontiers in Cellular Neuroscience, 2021, 15, 655568.	1.8	12
151	Small RNA-Mediated Gene Regulation in Neurodevelopmental Disorders. Current Psychiatry Reports, 2010, 12, 154-161.	2.1	11
152	Ethnicity-specific and overlapping alterations of brain hydroxymethylome in Alzheimerâ€™s disease. Human Molecular Genetics, 2020, 29, 149-158.	1.4	11
153	Analyses of temporal regulatory elements of the prosaposin gene in transgenic mice. Biochemical Journal, 2003, 370, 557-566.	1.7	10
154	Metabolic pathways modulate the neuronal toxicity associated with fragile X-associated tremor/ataxia syndrome. Human Molecular Genetics, 2019, 28, 980-991.	1.4	10
155	Detecting m6A methylation regions from Methylated RNA Immunoprecipitation Sequencing. Bioinformatics, 2021, 37, 2818-2824.	1.8	10
156	Stress modulates Ahi1-dependent nuclear localization of ten-eleven translocation protein 2. Human Molecular Genetics, 2021, 30, 2149-2160.	1.4	10
157	Epitranscriptomic dynamics in brain development and disease. Molecular Psychiatry, 2022, 27, 3633-3646.	4.1	10
158	Essential role of microRNA-650 in the regulation of B-cell CLL/lymphoma 11B gene expression following transplantation: A novel mechanism behind the acute rejection of renal allografts. International Journal of Molecular Medicine, 2017, 40, 1840-1850.	1.8	9
159	Regulatory annotation of genomic intervals based on tissue-specific expression QTLs. Bioinformatics, 2020, 36, 690-697.	1.8	9
160	FXTAS: a bad RNA and a hope for a cure. Expert Opinion on Biological Therapy, 2008, 8, 249-253.	1.4	8
161	Amyotrophic Lateral Sclerosis-associated GGGGCC repeat expansion promotes Tau phosphorylation and toxicity. Neurobiology of Disease, 2019, 130, 104493.	2.1	8
162	Age-related DNA hydroxymethylation is enriched for gene expression and immune system processes in human peripheral blood. Epigenetics, 2020, 15, 294-306.	1.3	8

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163	Development of Chinese genetic reference panel for Fragile X Syndrome and its application to the screen of 10,000 Chinese pregnant women and women planning pregnancy. Molecular Genetics & Genomic Medicine, 2020, 8, e1236.	0.6	7
164	Disease category-specific annotation of variants using an ensemble learning framework. Briefings in Bioinformatics, 2022, 23, .	3.2	7
165	Brain microRNAs are associated with variation in cognitive trajectory in advanced age. Translational Psychiatry, 2022, 12, 47.	2.4	7
166	Identification of PSMB5 as a genetic modifier of fragile Xâ€“associated tremor/ataxia syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	7
167	Altered hydroxymethylome in the substantia nigra of Parkinsonâ€™s disease. Human Molecular Genetics, 2022, 31, 3494-3503.	1.4	7
168	Prosaposin: promoter analysis and central-nervous-system-preferential elements for expression in vivo. Biochemical Journal, 2000, 352, 549.	1.7	5
169	High-Throughput Sequencing-Based Mapping of Cytosine Modifications. , 2015, , 39-53.		5
170	Global and Site-Specific Changes in 5-Methylcytosine and 5-Hydroxymethylcytosine after Extended Post-mortem Interval. Frontiers in Genetics, 2016, 7, 120.	1.1	5
171	Targeting the ALS/FTD-associated A-DNA kink with anthracene-based metal complex causes DNA backbone straightening and groove contraction. Nucleic Acids Research, 2021, 49, 9526-9538.	6.5	5
172	Identifying susceptibility genes for primary ovarian insufficiency on the high-risk genetic background of a fragile X premutation. Fertility and Sterility, 2021, 116, 843-854.	0.5	5
173	Probing the microRNA pathway with small molecules. Bioorganic and Medicinal Chemistry, 2013, 21, 6119-6123.	1.4	4
174	shRNA-mediated GSTP1 gene silencing enhances androgen-independent cell line DU145 chemosensitivity. International Urology and Nephrology, 2014, 46, 1115-1121.	0.6	4
175	Optimized distributed systems achieve significant performance improvement on sorted merging of massive VCF files. GigaScience, 2018, 7, .	3.3	4
176	Altered 5-Hydroxymethylcytosine Landscape in Primary Gastric Adenocarcinoma. DNA and Cell Biology, 2019, 38, 1460-1469.	0.9	4
177	Rare variants in MYH15 modify amyotrophic lateral sclerosis risk. Human Molecular Genetics, 2019, 28, 2309-2318.	1.4	4
178	Neddylation activity modulates the neurodegeneration associated with fragile X associated tremor/ataxia syndrome (FXTAS) through regulating Sima. Neurobiology of Disease, 2020, 143, 105013.	2.1	4
179	Downregulation of TOP2 modulates neurodegeneration caused by GGGGCC expanded repeats. Human Molecular Genetics, 2021, 30, 893-901.	1.4	4
180	Ectopic expression of CGG-repeats alters ovarian response to gonadotropins and leads to infertility in a murine FMR1 premutation model. Human Molecular Genetics, 2021, 30, 923-938.	1.4	4

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