Peng Jin

List of Publications by Citations

202 papers	17,825 citations	61 h-index	132 g-index
225 ext. papers	20,705 ext. citations	10.7 avg, IF	6.37 L-index

#	Paper	IF	Citations
202	Brain-Region-Specific Organoids Using Mini-bioreactors for Modeling ZIKV Exposure. *Cell*, **2016**, 165, 1238-1254	56.2	1165
201	Microarray identification of FMRP-associated brain mRNAs and altered mRNA translational profiles in fragile X syndrome. *Cell*, **2001**, 107, 477-87	56.2	912
200	Zika Virus Infects Human Cortical Neural Progenitors and Attenuates Their Growth. *Cell Stem Cell*, **2016**, 18, 587-90	18	872
199	Selective chemical labeling reveals the genome-wide distribution of 5-hydroxymethylcytosine. *Nature Biotechnology*, **2011**, 29, 68-72	44.5	816
198	Base-resolution analysis of 5-hydroxymethylcytosine in the mammalian genome. *Cell*, **2012**, 149, 1368-80	56.2	801
197	Fragile X mental retardation protein targets G quartet mRNAs important for neuronal function. *Cell* , **2001**, 107, 489-99	56.2	767
196	5-hmC-mediated epigenetic dynamics during postnatal neurodevelopment and aging. *Nature Neuroscience*, **2011**, 14, 1607-16	25.5	639
195	Biochemical and genetic interaction between the fragile X mental retardation protein and the microRNA pathway. *Nature Neuroscience*, **2004**, 7, 113-7	25.5	521
194	Genome-wide profiling of 5-formylcytosine reveals its roles in epigenetic priming. *Cell*, **2013**, 153, 678-91	56.2	453
193	Single nucleotide polymorphism associated with mature miR-125a alters the processing of pri-miRNA. *Human Molecular Genetics*, **2007**, 16, 1124-31	5.6	431
192	Cross talk between microRNA and epigenetic regulation in adult neurogenesis. *Journal of Cell Biology*, **2010**, 189, 127-41	7.3	381
191	Temporal Control of Mammalian Cortical Neurogenesis by mA Methylation. *Cell*, **2017**, 171, 877-889.e17	56.2	358
190	MicroRNA miR-137 regulates neuronal maturation by targeting ubiquitin ligase mind bomb-1. *Stem Cells*, **2010**, 28, 1060-70	5.8	321
189	RNA-mediated neurodegeneration caused by the fragile X premutation rCGG repeats in Drosophila. *Neuron*, **2003**, 39, 739-47	13.9	306
188	RNA and microRNAs in fragile X mental retardation. *Nature Cell Biology*, **2004**, 6, 1048-53	23.4	295
187	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, 565-71	13.9	272
186	Pur alpha binds to rCGG repeats and modulates repeat-mediated neurodegeneration in a Drosophila model of fragile X tremor/ataxia syndrome. *Neuron*, **2007**, 55, 556-64	13.9	261

185	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, 7778-83	11.5	255
184	Epigenetic regulation of miR-184 by MBD1 governs neural stem cell proliferation and differentiation. *Cell Stem Cell*, **2010**, 6, 433-44	18	246
183	Identification of small molecules rescuing fragile X syndrome phenotypes in Drosophila. *Nature Chemical Biology*, **2008**, 4, 256-63	11.7	220
182	Integrating 5-hydroxymethylcytosine into the epigenomic landscape of human embryonic stem cells. *PLoS Genetics*, **2011**, 7, e1002154	6	217
181	Tet-assisted bisulfite sequencing of 5-hydroxymethylcytosine. *Nature Protocols*, **2012**, 7, 2159-70	18.8	203
180	U1 small nuclear ribonucleoprotein complex and RNA splicing alterations in Alzheimer's disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 16562-7	11.5	200
179	CRISPR/Cas9-mediated gene editing ameliorates neurotoxicity in mouse model of Huntington's disease. *Journal of Clinical Investigation*, **2017**, 127, 2719-2724	15.9	197
178	Epigenetic mechanisms in neurogenesis. *Nature Reviews Neuroscience*, **2016**, 17, 537-49	13.5	195
177	Glutamate dehydrogenase 1 signals through antioxidant glutathione peroxidase 1 to regulate redox homeostasis and tumor growth. *Cancer Cell*, **2015**, 27, 257-70	24.3	194
176	A small molecule enhances RNA interference and promotes microRNA processing. *Nature Biotechnology*, **2008**, 26, 933-40	44.5	187
175	Ablation of Fmrp in adult neural stem cells disrupts hippocampus-dependent learning. *Nature Medicine*, **2011**, 17, 559-65	50.5	183
174	Small Molecules Efficiently Reprogram Human Astroglial Cells into Functional Neurons. *Cell Stem Cell*, **2015**, 17, 735-747	18	181
173	Fragile x mental retardation protein regulates proliferation and differentiation of adult neural stem/progenitor cells. *PLoS Genetics*, **2010**, 6, e1000898	6	177
172	Epitranscriptomic mA Regulation of Axon Regeneration in the Adult Mammalian Nervous System. *Neuron*, **2018**, 97, 313-325.e6	13.9	171
171	New insights into fragile X syndrome: from molecules to neurobehaviors. *Trends in Biochemical Sciences*, **2003**, 28, 152-8	10.3	166
170	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, 11994-9	11.5	147
169	Detection of differentially methylated regions from whole-genome bisulfite sequencing data without replicates. *Nucleic Acids Research*, **2015**, 43, e141	20.1	144
168	Roles of small regulatory RNAs in determining neuronal identity. *Nature Reviews Neuroscience*, **2010**, 11, 329-38	13.5	144

167	Genome-wide DNA hydroxymethylation changes are associated with neurodevelopmental genes in the developing human cerebellum. *Human Molecular Genetics*, **2012**, 21, 5500-10	5.6	135
166	Fat mass and obesity-associated (FTO) protein regulates adult neurogenesis. *Human Molecular Genetics*, **2017**, 26, 2398-2411	5.6	134
165	Role of Tet1 and 5-hydroxymethylcytosine in cocaine action. *Nature Neuroscience*, **2015**, 18, 536-44	25.5	130
164	DNA N6-methyladenine is dynamically regulated in the mouse brain following environmental stress. *Nature Communications*, **2017**, 8, 1122	17.4	123
163	Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. *Nucleic Acids Research*, **2016**, 44, 8610-8620	20.1	119
162	Zika-Virus-Encoded NS2A Disrupts Mammalian Cortical Neurogenesis by Degrading Adherens Junction Proteins. *Cell Stem Cell*, **2017**, 21, 349-358.e6	18	111
161	Expansion of Human-Specific GGC Repeat in Neuronal Intranuclear Inclusion Disease-Related Disorders. *American Journal of Human Genetics*, **2019**, 105, 166-176	11	109
160	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, 16329-34	11.5	108
159	Chemical modification-assisted bisulfite sequencing (CAB-Seq) for 5-carboxylcytosine detection in DNA. *Journal of the American Chemical Society*, **2013**, 135, 9315-7	16.4	100
158	Cell-cycle control of developmentally regulated transcription factors accounts for heterogeneity in human pluripotent cells. *Stem Cell Reports*, **2013**, 1, 532-44	8	98
157	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	6	91
156	Fragile X mental retardation protein modulates the stability of its m6A-marked messenger RNA targets. *Human Molecular Genetics*, **2018**, 27, 3936-3950	5.6	89
155	Argonaute 1 regulates the fate of germline stem cells in Drosophila. *Development (Cambridge)*, **2007**, 134, 4265-72	6.6	82
154	Subtelomeric hotspots of aberrant 5-hydroxymethylcytosine-mediated epigenetic modifications during reprogramming to pluripotency. *Nature Cell Biology*, **2013**, 15, 700-11	23.4	80
153	The loss of methyl-CpG binding protein 1 leads to autism-like behavioral deficits. *Human Molecular Genetics*, **2008**, 17, 2047-57	5.6	74
152	DICER1 and microRNA regulation in post-traumatic stress disorder with comorbid depression. *Nature Communications*, **2015**, 6, 10106	17.4	69
151	Fragile X protein functions with lgl and the par complex in flies and mice. *Developmental Cell*, **2005**, 8, 43-52	10.2	68
150	Unlocking epigenetic codes in neurogenesis. *Genes and Development*, **2014**, 28, 1253-71	12.6	67

149	Combined Loss of Tet1 and Tet2 Promotes B Cell, but Not Myeloid Malignancies, in Mice. *Cell Reports*, **2015**, 13, 1692-704	10.6	65
148	Histone deacetylase 3 associates with MeCP2 to regulate FOXO and social behavior. *Nature Neuroscience*, **2016**, 19, 1497-1505	25.5	65
147	Ten-eleven translocation 2 interacts with forkhead box O3 and regulates adult neurogenesis. *Nature Communications*, **2017**, 8, 15903	17.4	65
146	Fragile X premutation RNA is sufficient to cause primary ovarian insufficiency in mice. *Human Molecular Genetics*, **2012**, 21, 5039-47	5.6	65
145	Dynamics of DNA methylation in aging and Alzheimer's disease. *DNA and Cell Biology*, **2012**, 31 Suppl 1, S42-8	3.6	64
144	RNA-binding protein FXR2 regulates adult hippocampal neurogenesis by reducing Noggin expression. *Neuron*, **2011**, 70, 924-38	13.9	64
143	Neuronal morphogenesis is regulated by the interplay between cyclin-dependent kinase 5 and the ubiquitin ligase mind bomb 1. *Journal of Neuroscience*, **2007**, 27, 9503-12	6.6	64
142	A genome-wide profiling of brain DNA hydroxymethylation in Alzheimer's disease. *Alzheimeris and Dementia*, **2017**, 13, 674-688	1.2	61
141	Tet2 loss leads to hypermutagenicity in haematopoietic stem/progenitor cells. *Nature Communications*, **2017**, 8, 15102	17.4	61
140	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	25.5	61
139	Retrotransposon activation contributes to fragile X premutation rCGG-mediated neurodegeneration. *Human Molecular Genetics*, **2012**, 21, 57-65	5.6	57
138	Fragile X mental retardation protein modulates the fate of germline stem cells in Drosophila. *Human Molecular Genetics*, **2007**, 16, 1814-20	5.6	56
137	Lin28A Binds Active Promoters and Recruits Tet1 to Regulate Gene Expression. *Molecular Cell*, **2016**, 61, 153-60	17.6	55
136	5-Hydroxymethylcytosine: A new player in brain disorders?. *Experimental Neurology*, **2015**, 268, 3-9	5.7	54
135	Nuclear accumulation of stress response mRNAs contributes to the neurodegeneration caused by Fragile X premutation rCGG repeats. *PLoS Genetics*, **2011**, 7, e1002102	6	50
134	Zika virus directly infects peripheral neurons and induces cell death. *Nature Neuroscience*, **2017**, 20, 1209-1212	25.5	49
133	Genome-wide alteration of 5-hydroxymethylcytosine in a mouse model of fragile X-associated tremor/ataxia syndrome. *Human Molecular Genetics*, **2014**, 23, 1095-107	5.6	49
132	Cell cycle-linked MeCP2 phosphorylation modulates adult neurogenesis involving the Notch signalling pathway. *Nature Communications*, **2014**, 5, 5601	17.4	47

131	Iron homeostasis regulates the activity of the microRNA pathway through poly(C)-binding protein 2. *Cell Metabolism*, **2012**, 15, 895-904	24.6	47
130	Altering 5-hydroxymethylcytosine modification impacts ischemic brain injury. *Human Molecular Genetics*, **2015**, 24, 5855-66	5.6	43
129	MicroRNA-277 modulates the neurodegeneration caused by Fragile X premutation rCGG repeats. *PLoS Genetics*, **2012**, 8, e1002681	6	43
128	5-Hydroxymethylation-associated epigenetic modifiers of Alzheimer's disease modulate Tau-induced neurotoxicity. *Human Molecular Genetics*, **2016**, 25, 2437-2450	5.6	43
127	Tet-mediated covalent labelling of 5-methylcytosine for its genome-wide detection and sequencing. *Nature Communications*, **2013**, 4, 1517	17.4	42
126	The role of RNA and RNA processing in neurodegeneration. *Journal of Neuroscience*, **2005**, 25, 10372-5	6.6	42
125	AGO3 Slicer activity regulates mitochondria-nuage localization of Armitage and piRNA amplification. *Journal of Cell Biology*, **2014**, 206, 217-30	7.3	41
124	Environmental enrichment modulates 5-hydroxymethylcytosine dynamics in hippocampus. *Genomics*, **2014**, 104, 376-82	4.3	41
123	Genome-wide alteration of 5-hydroxymenthylcytosine in a mouse model of Alzheimer's disease. *BMC Genomics*, **2016**, 17, 381	4.5	40
122	Active N-Methyladenine Demethylation by DMAD Regulates Gene Expression by Coordinating with Polycomb Protein in Neurons. *Molecular Cell*, **2018**, 71, 848-857.e6	17.6	40
121	Use of model systems to understand the etiology of fragile X-associated primary ovarian insufficiency (FXPOI). *Journal of Neurodevelopmental Disorders*, **2014**, 6, 26	4.6	40
120	The ecdysone receptor coactivator Taiman links Yorkie to transcriptional control of germline stem cell factors in somatic tissue. *Developmental Cell*, **2015**, 34, 168-80	10.2	39
119	Genome-wide alterations in hippocampal 5-hydroxymethylcytosine links plasticity genes to acute stress. *Neurobiology of Disease*, **2016**, 86, 99-108	7.5	39
118	Fragile X-Associated Tremor/Ataxia Syndrome: From Molecular Pathogenesis to Development of Therapeutics. *Frontiers in Cellular Neuroscience*, **2017**, 11, 128	6.1	39
117	Argonaute-2-dependent rescue of a Drosophila model of FXTAS by FRAXE premutation repeat. *Human Molecular Genetics*, **2007**, 16, 2326-32	5.6	39
116	Come FLY with us: toward understanding fragile X syndrome. *Genes, Brain and Behavior*, **2005**, 4, 385-92	3.6	39
115	DIVAN: accurate identification of non-coding disease-specific risk variants using multi-omics profiles. *Genome Biology*, **2016**, 17, 252	18.3	38
114	N6-methyladenosine dynamics in neurodevelopment and aging, and its potential role in Alzheimer's disease. *Genome Biology*, **2021**, 22, 17	18.3	38

113	DNA methylation and hydroxymethylation in stem cells. *Cell Biochemistry and Function*, **2015**, 33, 161-73	4.2	36
112	DNA methylation dynamics in neurogenesis. *Epigenomics*, **2016**, 8, 401-14	4.4	36
111	Fat mass and obesity-associated (FTO) protein interacts with CaMKII and modulates the activity of CREB signaling pathway. *Human Molecular Genetics*, **2014**, 23, 3299-306	5.6	36
110	Small regulatory RNAs in neurodevelopmental disorders. *Human Molecular Genetics*, **2009**, 18, R18-26	5.6	36
109	The microRNA pathway and fragile X mental retardation protein. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2008**, 1779, 702-5	6	36
108	Chemical screen reveals small molecules suppressing fragile X premutation rCGG repeat-mediated neurodegeneration in Drosophila. *Human Molecular Genetics*, **2012**, 21, 2068-75	5.6	35
107	RNA-mediated neurodegeneration in fragile X-associated tremor/ataxia syndrome. *Brain Research*, **2012**, 1462, 112-7	3.7	34
106	Base-resolution methylation patterns accurately predict transcription factor bindings in vivo. *Nucleic Acids Research*, **2015**, 43, 2757-66	20.1	33
105	Integrating DNA methylation dynamics into a framework for understanding epigenetic codes. *BioEssays*, **2014**, 36, 107-17	4.1	33
104	Epigenetics-Based Therapeutics for Neurodegenerative Disorders. *Current Geriatrics Reports*, **2012**, 1, 229-236	1.3	33
103	Noncoding RNAs in the brain. *Journal of Neuroscience*, **2007**, 27, 11856-9	6.6	31
102	Developing DNA methylation-based diagnostic biomarkers. *Journal of Genetics and Genomics*, **2018**, 45, 87-97	4	29
101	Ten-Eleven Translocation Proteins Modulate the Response to Environmental Stress in Mice. *Cell Reports*, **2018**, 25, 3194-3203.e4	10.6	27
100	Proteomic and lipidomic analysis of exosomes derived from ovarian cancer cells and ovarian surface epithelial cells. *Journal of Ovarian Research*, **2020**, 13, 9	5.5	25
99	Emergence of chemical biology approaches to the RNAi/miRNA pathway. *Chemistry and Biology*, **2010**, 17, 584-9		25
98	Piperine ameliorates SCA17 neuropathology by reducing ER stress. *Molecular Neurodegeneration*, **2018**, 13, 4	19	23
97	A feed-forward mechanism involving Drosophila fragile X mental retardation protein triggers a replication stress-induced DNA damage response. *Human Molecular Genetics*, **2014**, 23, 5188-96	5.6	23
96	Cytosine modifications in neurodevelopment and diseases. *Cellular and Molecular Life Sciences*, **2014**, 71, 405-18	10.3	22

95	Structural basis of nucleic-acid recognition and double-strand unwinding by the essential neuronal protein Pur-alpha. *ELife*, **2016**, 5,	8.9	22
94	Sex-specific hippocampal 5-hydroxymethylcytosine is disrupted in response to acute stress. *Neurobiology of Disease*, **2016**, 96, 54-66	7.5	22
93	5-Hydroxymethylcytosine-mediated alteration of transposon activity associated with the exposure to adverse in utero environments in human. *Human Molecular Genetics*, **2016**, 25, 2208-2219	5.6	21
92	Genome-wide antagonism between 5-hydroxymethylcytosine and DNA methylation in the adult mouse brain. *Frontiers in Biology*, **2014**, 9, 66-74		21
91	Coordination of engineered factors with TET1/2 promotes early-stage epigenetic modification during somatic cell reprogramming. *Stem Cell Reports*, **2014**, 2, 253-61	8	21
90	Disease prediction by cell-free DNA methylation. *Briefings in Bioinformatics*, **2019**, 20, 585-597	13.4	21
89	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, 5906-15	5.6	20
88	Neuropeptides Modulate Local Astrocytes to Regulate Adult Hippocampal Neural Stem Cells. *Neuron*, **2020**, 108, 349-366.e6	13.9	19
87	Distinctive Klf4 mutants determine preference for DNA methylation status. *Nucleic Acids Research*, **2016**, 44, 10177-10185	20.1	18
86	Reversing Behavioral, Neuroanatomical, and Germline Influences of Intergenerational Stress. *Biological Psychiatry*, **2019**, 85, 248-256	7.9	18
85	Gossypol Acetic Acid Prevents Oxidative Stress-Induced Retinal Pigment Epithelial Necrosis by Regulating the FoxO3/Sestrin2 Pathway. *Molecular and Cellular Biology*, **2015**, 35, 1952-63	4.8	18
84	Circadian rhythm-dependent alterations of gene expression in Drosophila brain lacking fragile X mental retardation protein. *PLoS ONE*, **2012**, 7, e37937	3.7	18
83	Dissecting differential signals in high-throughput data from complex tissues. *Bioinformatics*, **2019**, 35, 3898-3905	7.2	17
82	Role of microRNA pathway in mental retardation. *Scientific World Journal, The*, **2007**, 7, 146-54	2.2	17
81	Role of noncoding RNAs in trinucleotide repeat neurodegenerative disorders. *Experimental Neurology*, **2012**, 235, 469-75	5.7	16
80	Toward pluripotency by reprogramming: mechanisms and application. *Protein and Cell*, **2013**, 4, 820-32	7.2	16
79	RNA-mediated pathogenesis in fragile X-associated disorders. *Neuroscience Letters*, **2009**, 466, 103-8	3.3	16
78	Identification of messenger RNAs and microRNAs associated with fragile X mental retardation protein. *Methods in Molecular Biology*, **2006**, 342, 267-76	1.4	16

77	Role of Sp proteins and RORalpha in transcription regulation of murine prosaposin. *Journal of Biological Chemistry*, **1998**, 273, 13208-16	5.4	16
76	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	2.9	16
75	5-Hydroxymethylcytosine alterations in the human postmortem brains of autism spectrum disorder. *Human Molecular Genetics*, **2018**, 27, 2955-2964	5.6	16
74	Diverse and dynamic DNA modifications in brain and diseases. *Human Molecular Genetics*, **2019**, 28, R241-R253	5.6	15
73	Macro role(s) of microRNAs in fragile X syndrome?. *NeuroMolecular Medicine*, **2009**, 11, 200-7	4.6	14
72	Towards understanding RNA-mediated neurological disorders. *Journal of Genetics and Genomics*, **2014**, 41, 473-84	4	13
71	Small RNA-mediated gene regulation in neurodevelopmental disorders. *Current Psychiatry Reports*, **2010**, 12, 154-61	9.1	11
70	The mouse prosaposin locus: promoter organization. *DNA and Cell Biology*, **1997**, 16, 23-34	3.6	11
69	Isolation and characterization of the human prosaposin promoter. *Gene*, **1998**, 218, 37-47	3.8	11
68	A human forebrain organoid model of fragile X syndrome exhibits altered neurogenesis and highlights new treatment strategies. *Nature Neuroscience*, **2021**, 24, 1377-1391	25.5	10
67	Analyses of temporal regulatory elements of the prosaposin gene in transgenic mice. *Biochemical Journal*, **2003**, 370, 557-66	3.8	9
66	A machine learning approach to brain epigenetic analysis reveals kinases associated with Alzheimer's disease. *Nature Communications*, **2021**, 12, 4472	17.4	9
65	Structural dynamics control the MicroRNA maturation pathway. *Nucleic Acids Research*, **2016**, 44, 9956-9964	20.1	9
64	An all-to-all approach to the identification of sequence-specific readers for epigenetic DNA modifications on cytosine. *Nature Communications*, **2021**, 12, 795	17.4	9
63	A Partial Picture of the Single-Cell Transcriptomics of Human IgA Nephropathy. *Frontiers in Immunology*, **2021**, 12, 645988	8.4	8
62	The Drosophila Helicase MLE Targets Hairpin Structures in Genomic Transcripts. *PLoS Genetics*, **2016**, 12, e1005761	6	8
61	A comprehensive review of computational prediction of genome-wide features. *Briefings in Bioinformatics*, **2018**,	13.4	8
60	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	10.6	7

59	Metabolic pathways modulate the neuronal toxicity associated with fragile X-associated tremor/ataxia syndrome. *Human Molecular Genetics*, **2019**, 28, 980-991	5.6	7
58	Dynamic N6-methyladenosine RNA methylation in brain and diseases. *Epigenomics*, **2020**, 12, 371-380	4.4	6
57	The Taiman Transcriptional Coactivator Engages Toll Signals to Promote Apoptosis and Intertissue Invasion in Drosophila. *Current Biology*, **2019**, 29, 2790-2800.e4	6.3	6
56	FXTAS: a bad RNA and a hope for a cure. *Expert Opinion on Biological Therapy*, **2008**, 8, 249-53	5.4	6
55	Amyotrophic Lateral Sclerosis-associated GGGGCC repeat expansion promotes Tau phosphorylation and toxicity. *Neurobiology of Disease*, **2019**, 130, 104493	7.5	5
54	Prosaposin: promoter analysis and central-nervous-system-preferential elements for expression in vivo. *Biochemical Journal*, **2000**, 352, 549	3.8	5
53	Robust partial reference-free cell composition estimation from tissue expression. *Bioinformatics*, **2020**, 36, 3431-3438	7.2	4
52	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	4.4	4
51	Small-molecule screening using Drosophila models of human neurological disorders. *Methods in Molecular Biology*, **2015**, 1263, 127-38	1.4	4
50	Ethnicity-specific and overlapping alterations of brain hydroxymethylome in Alzheimer's disease. *Human Molecular Genetics*, **2020**, 29, 149-158	5.6	4
49	Therapeutic Development for CGG Repeat Expansion-Associated Neurodegeneration. *Frontiers in Cellular Neuroscience*, **2021**, 15, 655568	6.1	4
48	Global and Site-Specific Changes in 5-Methylcytosine and 5-Hydroxymethylcytosine after Extended Post-mortem Interval. *Frontiers in Genetics*, **2016**, 7, 120	4.5	4
47	Regulatory annotation of genomic intervals based on tissue-specific expression QTLs. *Bioinformatics*, **2020**, 36, 690-697	7.2	4
46	Altered 5-Hydroxymethylcytosine Landscape in Primary Gastric Adenocarcinoma. *DNA and Cell Biology*, **2019**, 38, 1460-1469	3.6	3
45	Probing the microRNA pathway with small molecules. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 6119-23	3.4	3
44	shRNA-mediated GSTP1 gene silencing enhances androgen-independent cell line DU145 chemosensitivity. *International Urology and Nephrology*, **2014**, 46, 1115-21	2.3	3
43	Selective capture of 5-hydroxymethylcytosine from genomic DNA. *Journal of Visualized Experiments* , **2012**,	1.6	3
42	In vivo roles of RORalpha and Sp4 in the regulation of murine prosaposin gene. *DNA and Cell Biology*, **2001**, 20, 781-9	3.6	3

41	Activation of GPR39 with TC-G 1008 attenuates neuroinflammation via SIRT1/PGC-1/Nrf2 pathway post-neonatal hypoxic-ischemic injury in rats. *Journal of Neuroinflammation*, **2021**, 18, 226	10.1	3
40	The Phenotypes and Mechanisms of NOTCH2NLC-Related GGC Repeat Expansion Disorders: a Comprehensive Review. *Molecular Neurobiology*, **2021**, 1	6.2	3
39	Age-related DNA hydroxymethylation is enriched for gene expression and immune system processes in human peripheral blood. *Epigenetics*, **2020**, 15, 294-306	5.7	3
38	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	2.3	3
37	Rare variants in MYH15 modify amyotrophic lateral sclerosis risk. *Human Molecular Genetics*, **2019**, 28, 2309-2318	5.6	2
36	Integrated analysis of a compendium of RNA-Seq datasets for splicing factors. *Scientific Data*, **2020**, 7, 178	8.2	2
35	Animal Models of Fragile X Syndrome **2017**, 123-147		2
34	Dysfunction of Habituation Learning: A Novel Pathogenic Paradigm of Intellectual Disability and Autism Spectrum Disorder. *Biological Psychiatry*, **2019**, 86, 253-254	7.9	2
33	Characterization of hazard infiltrating immune cells and relative risk genes in bladder urothelial carcinoma. *American Journal of Translational Research (discontinued)*, **2020**, 12, 7510-7527	3	2
32	Assessment of hazard immune-related genes and tumor immune infiltrations in renal cell carcinoma. *American Journal of Translational Research (discontinued)*, **2020**, 12, 7096-7113	3	2
31	Metabolic Alterations in Premutation Carriers. *Frontiers in Molecular Biosciences*, **2020**, 7, 571092	5.6	2
30	Detecting m6A methylation regions from Methylated RNA Immunoprecipitation Sequencing. *Bioinformatics*, **2021**,	7.2	2
29	Single-Cell Profiling Reveals Transcriptional Signatures and Cell-Cell Crosstalk in Anti-PLA2R Positive Idiopathic Membranous Nephropathy Patients. *Frontiers in Immunology*, **2021**, 12, 683330	8.4	2
28	Important Correlates of Purpose in Life Identified Through a Machine Learning Approach. *American Journal of Geriatric Psychiatry*, **2021**, 29, 488-498	6.5	2
27	High-Throughput Sequencing-Based Mapping of Cytosine Modifications **2015**, 39-53		1
26	Fragile X mental retardation protein and stem cells. *Results and Problems in Cell Differentiation*, **2012**, 54, 157-64	1.4	1
25	5-Hydroxymethylcytosine (5-hmC) Specific Enrichment. *Bio-protocol*, **2012**, 2,	0.9	1
24	Neddylation activity modulates the neurodegeneration associated with fragile X associated tremor/ataxia syndrome (FXTAS) through regulating Sima. *Neurobiology of Disease*, **2020**, 143, 105013	7.5	1

23	Downregulation of TOP2 modulates neurodegeneration caused by GGGGCC expanded repeats. *Human Molecular Genetics*, **2021**, 30, 893-901	5.6	1
22	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	5.6	1
21	Ten-eleven translocation 2 modulates allergic inflammation by 5-hydroxymethylcytosine remodeling of immunologic pathways. *Human Molecular Genetics*, **2021**, 30, 1985-1995	5.6	1
20	Optimized distributed systems achieve significant performance improvement on sorted merging of massive VCF files. *GigaScience*, **2018**, 7,	7.6	1
19	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	4.8	1
18	Animal Models for FXTAS **2010**, 123-136		1
17	Across Dimensions: Developing 2D and 3D Human iPSC-Based Models of Fragile X Syndrome. *Cells*, **2022**, 11, 1725	7.9	1
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