Peng Jin

List of Publications by Year in Descending Order

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 microRNAs are associated with variation in cognitive trajectory in advanced age.. *Translational Psychiatry*, **2022**, 12, 47	8.6	0
201	Stephen T. Warren, Ph.D. (1953-2021): A remembrance.. *American Journal of Human Genetics*, **2022**, 109, 3-11	11	0
200	PDZRN4 suppresses tumorigenesis and androgen therapy-resistance in prostate cancer.. *Journal of Cancer*, **2022**, 13, 2293-2300	4.5	
199	Across Dimensions: Developing 2D and 3D Human iPSC-Based Models of Fragile X Syndrome. *Cells*, **2022**, 11, 1725	7.9	1
198	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
197	The Phenotypes and Mechanisms of NOTCH2NLC-Related GGC Repeat Expansion Disorders: a Comprehensive Review. *Molecular Neurobiology*, **2021**, 1	6.2	3
196	Downregulation of TOP2 modulates neurodegeneration caused by GGGGCC expanded repeats. *Human Molecular Genetics*, **2021**, 30, 893-901	5.6	1
195	Detecting m6A methylation regions from Methylated RNA Immunoprecipitation Sequencing. *Bioinformatics*, **2021**,	7.2	2
194	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	20.1	0
193	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
192	Ten-eleven translocation protein 1 modulates medulloblastoma progression. *Genome Biology*, **2021**, 22, 125	18.3	0
191	A Partial Picture of the Single-Cell Transcriptomics of Human IgA Nephropathy. *Frontiers in Immunology*, **2021**, 12, 645988	8.4	8
190	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
189	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
188	Therapeutic Development for CGG Repeat Expansion-Associated Neurodegeneration. *Frontiers in Cellular Neuroscience*, **2021**, 15, 655568	6.1	4
187	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
186	Ten-eleven translocation 2 modulates allergic inflammation by 5-hydroxymethylcytosine remodeling of immunologic pathways. *Human Molecular Genetics*, **2021**, 30, 1985-1995	5.6	1

185	A Porcine Congenital Single-Sided Deafness Model, Its Population Statistics and Degenerative Changes. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 672216	5.7	
184	A machine learning approach to brain epigenetic analysis reveals kinases associated with Alzheimer's disease. *Nature Communications*, **2021**, 12, 4472	17.4	9
183	Stress modulates Ahi1-dependent nuclear localization of ten-eleven translocation protein 2. *Human Molecular Genetics*, **2021**, 30, 2149-2160	5.6	0
182	Important Correlates of Purpose in Life Identified Through a Machine Learning Approach. *American Journal of Geriatric Psychiatry*, **2021**, 29, 488-498	6.5	2
181	Stem cell epigenetics in medical therapy **2021**, 873-884		
180	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
179	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
178	Remembering Stephen T. Warren, a pillar of neurogenetics (1953-2021). *Nature Neuroscience*, **2021**, 24, 1340-1341	25.5	
177	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
176	N6-methyladenosine dynamics in neurodevelopment and aging, and its potential role in Alzheimer's disease. *Genome Biology*, **2021**, 22, 17	18.3	38
175	Risk factors for urinary tract infection in kidney transplantation from brain death donor and its role in graft function.. *Journal of Central South University (Medical Sciences)*, **2021**, 46, 1220-1226	0.4	
174	Integrated analysis of a compendium of RNA-Seq datasets for splicing factors. *Scientific Data*, **2020**, 7, 178	8.2	2
173	Robust partial reference-free cell composition estimation from tissue expression. *Bioinformatics*, **2020**, 36, 3431-3438	7.2	4
172	Dynamic N6-methyladenosine RNA methylation in brain and diseases. *Epigenomics*, **2020**, 12, 371-380	4.4	6
171	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
170	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
169	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
168	Ethnicity-specific and overlapping alterations of brain hydroxymethylome in Alzheimer's disease. *Human Molecular Genetics*, **2020**, 29, 149-158	5.6	4

167	Neuropeptides Modulate Local Astrocytes to Regulate Adult Hippocampal Neural Stem Cells. *Neuron*, **2020**, 108, 349-366.e6	13.9	19
166	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
165	Metabolic Alterations in Premutation Carriers. *Frontiers in Molecular Biosciences*, **2020**, 7, 571092	5.6	2
164	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
163	Regulatory annotation of genomic intervals based on tissue-specific expression QTLs. *Bioinformatics*, **2020**, 36, 690-697	7.2	4
162	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
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	Amyotrophic Lateral Sclerosis-associated GGGGCC repeat expansion promotes Tau phosphorylation and toxicity. *Neurobiology of Disease*, **2019**, 130, 104493	7.5	5
159	Rare variants in MYH15 modify amyotrophic lateral sclerosis risk. *Human Molecular Genetics*, **2019**, 28, 2309-2318	5.6	2
158	Application of Drosophila Model Toward Understanding the Molecular Basis of Fragile X Syndrome. *Methods in Molecular Biology*, **2019**, 1942, 141-153	1.4	
157	Dissecting differential signals in high-throughput data from complex tissues. *Bioinformatics*, **2019**, 35, 3898-3905	7.2	17
156	Reversing Behavioral, Neuroanatomical, and Germline Influences of Intergenerational Stress. *Biological Psychiatry*, **2019**, 85, 248-256	7.9	18
155	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
154	Dysfunction of Habituation Learning: A Novel Pathogenic Paradigm of Intellectual Disability and Autism Spectrum Disorder. *Biological Psychiatry*, **2019**, 86, 253-254	7.9	2
153	Diverse and dynamic DNA modifications in brain and diseases. *Human Molecular Genetics*, **2019**, 28, R241-R253	5.6	15
152	Altered 5-Hydroxymethylcytosine Landscape in Primary Gastric Adenocarcinoma. *DNA and Cell Biology*, **2019**, 38, 1460-1469	3.6	3
151	Metabolic pathways modulate the neuronal toxicity associated with fragile X-associated tremor/ataxia syndrome. *Human Molecular Genetics*, **2019**, 28, 980-991	5.6	7
150	Disease prediction by cell-free DNA methylation. *Briefings in Bioinformatics*, **2019**, 20, 585-597	13.4	21

149	Developing DNA methylation-based diagnostic biomarkers. *Journal of Genetics and Genomics*, **2018**, 45, 87-97	4	29
148	Epitranscriptomic mA Regulation of Axon Regeneration in the Adult Mammalian Nervous System. *Neuron*, **2018**, 97, 313-325.e6	13.9	171
147	A unique epigenomic landscape defines the characteristics and differentiation potentials of glioma stem cells. *Genome Biology*, **2018**, 19, 51	18.3	0
146	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
145	Piperine ameliorates SCA17 neuropathology by reducing ER stress. *Molecular Neurodegeneration*, **2018**, 13, 4	19	23
144	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
143	A comprehensive review of computational prediction of genome-wide features. *Briefings in Bioinformatics*, **2018**,	13.4	8
142	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
141	Ten-Eleven Translocation Proteins Modulate the Response to Environmental Stress in Mice. *Cell Reports*, **2018**, 25, 3194-3203.e4	10.6	27
140	5-Hydroxymethylcytosine alterations in the human postmortem brains of autism spectrum disorder. *Human Molecular Genetics*, **2018**, 27, 2955-2964	5.6	16
139	Optimized distributed systems achieve significant performance improvement on sorted merging of massive VCF files. *GigaScience*, **2018**, 7,	7.6	1
138	A genome-wide profiling of brain DNA hydroxymethylation in Alzheimer's disease. *Alzheimeris and Dementia*, **2017**, 13, 674-688	1.2	61
137	Fat mass and obesity-associated (FTO) protein regulates adult neurogenesis. *Human Molecular Genetics*, **2017**, 26, 2398-2411	5.6	134
136	Tet2 loss leads to hypermutagenicity in haematopoietic stem/progenitor cells. *Nature Communications*, **2017**, 8, 15102	17.4	61
135	Temporal Control of Mammalian Cortical Neurogenesis by mA Methylation. *Cell*, **2017**, 171, 877-889.e17	56.2	358
134	DNA N6-methyladenine is dynamically regulated in the mouse brain following environmental stress. *Nature Communications*, **2017**, 8, 1122	17.4	123
133	Animal Models of Fragile X Syndrome **2017**, 123-147		2
132	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

131	Zika-Virus-Encoded NS2A Disrupts Mammalian Cortical Neurogenesis by Degrading Adherens Junction Proteins. *Cell Stem Cell*, **2017**, 21, 349-358.e6	18	111
130	Zika virus directly infects peripheral neurons and induces cell death. *Nature Neuroscience*, **2017**, 20, 1209-1212	25.5	49
129	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
128	Ten-eleven translocation 2 interacts with forkhead box O3 and regulates adult neurogenesis. *Nature Communications*, **2017**, 8, 15903	17.4	65
127	Fragile X-Associated Tremor/Ataxia Syndrome: From Molecular Pathogenesis to Development of Therapeutics. *Frontiers in Cellular Neuroscience*, **2017**, 11, 128	6.1	39
126	Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. *Nucleic Acids Research*, **2016**, 44, 8610-8620	20.1	119
125	Distinctive Klf4 mutants determine preference for DNA methylation status. *Nucleic Acids Research*, **2016**, 44, 10177-10185	20.1	18
124	Histone deacetylase 3 associates with MeCP2 to regulate FOXO and social behavior. *Nature Neuroscience*, **2016**, 19, 1497-1505	25.5	65
123	Genome-wide alteration of 5-hydroxymenthylcytosine in a mouse model of Alzheimer's disease. *BMC Genomics*, **2016**, 17, 381	4.5	40
122	DIVAN: accurate identification of non-coding disease-specific risk variants using multi-omics profiles. *Genome Biology*, **2016**, 17, 252	18.3	38
121	Epigenetic mechanisms in neurogenesis. *Nature Reviews Neuroscience*, **2016**, 17, 537-49	13.5	195
120	Lin28A Binds Active Promoters and Recruits Tet1 to Regulate Gene Expression. *Molecular Cell*, **2016**, 61, 153-60	17.6	55
119	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
118	DNA methylation dynamics in neurogenesis. *Epigenomics*, **2016**, 8, 401-14	4.4	36
117	Genome-wide alterations in hippocampal 5-hydroxymethylcytosine links plasticity genes to acute stress. *Neurobiology of Disease*, **2016**, 86, 99-108	7.5	39
116	Structural basis of nucleic-acid recognition and double-strand unwinding by the essential neuronal protein Pur-alpha. *ELife*, **2016**, 5,	8.9	22
115	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
114	The Drosophila Helicase MLE Targets Hairpin Structures in Genomic Transcripts. *PLoS Genetics*, **2016**, 12, e1005761	6	8

113	Zika Virus Infects Human Cortical Neural Progenitors and Attenuates Their Growth. *Cell Stem Cell*, **2016**, 18, 587-90	18	872
112	Brain-Region-Specific Organoids Using Mini-bioreactors for Modeling ZIKV Exposure. *Cell*, **2016**, 165, 1238-1254	56.2	1165
111	5-Hydroxymethylation-associated epigenetic modifiers of Alzheimer's disease modulate Tau-induced neurotoxicity. *Human Molecular Genetics*, **2016**, 25, 2437-2450	5.6	43
110	Sex-specific hippocampal 5-hydroxymethylcytosine is disrupted in response to acute stress. *Neurobiology of Disease*, **2016**, 96, 54-66	7.5	22
109	Structural dynamics control the MicroRNA maturation pathway. *Nucleic Acids Research*, **2016**, 44, 9956-9964	20.1	9
108	Altering 5-hydroxymethylcytosine modification impacts ischemic brain injury. *Human Molecular Genetics*, **2015**, 24, 5855-66	5.6	43
107	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
106	DNA methylation and hydroxymethylation in stem cells. *Cell Biochemistry and Function*, **2015**, 33, 161-73	4.2	36
105	Role of Tet1 and 5-hydroxymethylcytosine in cocaine action. *Nature Neuroscience*, **2015**, 18, 536-44	25.5	130
104	Small Molecules Efficiently Reprogram Human Astroglial Cells into Functional Neurons. *Cell Stem Cell*, **2015**, 17, 735-747	18	181
103	Detection of differentially methylated regions from whole-genome bisulfite sequencing data without replicates. *Nucleic Acids Research*, **2015**, 43, e141	20.1	144
102	Combined Loss of Tet1 and Tet2 Promotes B Cell, but Not Myeloid Malignancies, in Mice. *Cell Reports*, **2015**, 13, 1692-704	10.6	65
101	5-Hydroxymethylcytosine: A new player in brain disorders?. *Experimental Neurology*, **2015**, 268, 3-9	5.7	54
100	Base-resolution methylation patterns accurately predict transcription factor bindings in vivo. *Nucleic Acids Research*, **2015**, 43, 2757-66	20.1	33
99	High-Throughput Sequencing-Based Mapping of Cytosine Modifications **2015**, 39-53		1
98	DICER1 and microRNA regulation in post-traumatic stress disorder with comorbid depression. *Nature Communications*, **2015**, 6, 10106	17.4	69
97	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
96	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

95	Small-molecule screening using Drosophila models of human neurological disorders. *Methods in Molecular Biology*, **2015**, 1263, 127-38	1.4	4
94	Combined Loss of Tet1 and Tet2 Promotes B-Cell, but Not Myeloid Malignancies in Mice. *Blood*, **2015**, 126, 3650-3650	2.2	
93	Genome-wide antagonism between 5-hydroxymethylcytosine and DNA methylation in the adult mouse brain. *Frontiers in Biology*, **2014**, 9, 66-74		21
92	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
91	AGO3 Slicer activity regulates mitochondria-nuage localization of Armitage and piRNA amplification. *Journal of Cell Biology*, **2014**, 206, 217-30	7.3	41
90	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
89	Environmental enrichment modulates 5-hydroxymethylcytosine dynamics in hippocampus. *Genomics*, **2014**, 104, 376-82	4.3	41
88	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
87	Unlocking epigenetic codes in neurogenesis. *Genes and Development*, **2014**, 28, 1253-71	12.6	67
86	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
85	Towards understanding RNA-mediated neurological disorders. *Journal of Genetics and Genomics*, **2014**, 41, 473-84	4	13
84	Cell cycle-linked MeCP2 phosphorylation modulates adult neurogenesis involving the Notch signalling pathway. *Nature Communications*, **2014**, 5, 5601	17.4	47
83	Integrating DNA methylation dynamics into a framework for understanding epigenetic codes. *BioEssays*, **2014**, 36, 107-17	4.1	33
82	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
81	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
80	Cytosine modifications in neurodevelopment and diseases. *Cellular and Molecular Life Sciences*, **2014**, 71, 405-18	10.3	22
79	shRNA-mediated GSTP1 gene silencing enhances androgen-independent cell line DU145 chemosensitivity. *International Urology and Nephrology*, **2014**, 46, 1115-21	2.3	3
78	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

77	Cell-cycle control of developmentally regulated transcription factors accounts for heterogeneity in human pluripotent cells. *Stem Cell Reports*, **2013**, 1, 532-44	8	98
76	Probing the microRNA pathway with small molecules. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 6119-23	3.4	3
75	Tet-mediated covalent labelling of 5-methylcytosine for its genome-wide detection and sequencing. *Nature Communications*, **2013**, 4, 1517	17.4	42
74	Genome-wide profiling of 5-formylcytosine reveals its roles in epigenetic priming. *Cell*, **2013**, 153, 678-91	56.2	453
73	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
72	Subtelomeric hotspots of aberrant 5-hydroxymethylcytosine-mediated epigenetic modifications during reprogramming to pluripotency. *Nature Cell Biology*, **2013**, 15, 700-11	23.4	80
71	Toward pluripotency by reprogramming: mechanisms and application. *Protein and Cell*, **2013**, 4, 820-32	7.2	16
70	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
69	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
68	RNA-mediated neurodegeneration in fragile X-associated tremor/ataxia syndrome. *Brain Research*, **2012**, 1462, 112-7	3.7	34
67	Tet-assisted bisulfite sequencing of 5-hydroxymethylcytosine. *Nature Protocols*, **2012**, 7, 2159-70	18.8	203
66	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
65	Epigenetics-Based Therapeutics for Neurodegenerative Disorders. *Current Geriatrics Reports*, **2012**, 1, 229-236	1.3	33
64	Fragile X premutation RNA is sufficient to cause primary ovarian insufficiency in mice. *Human Molecular Genetics*, **2012**, 21, 5039-47	5.6	65
63	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
62	Base-resolution analysis of 5-hydroxymethylcytosine in the mammalian genome. *Cell*, **2012**, 149, 1368-80	56.2	801
61	Iron homeostasis regulates the activity of the microRNA pathway through poly(C)-binding protein 2. *Cell Metabolism*, **2012**, 15, 895-904	24.6	47
60	Circadian rhythm-dependent alterations of gene expression in Drosophila brain lacking fragile X mental retardation protein. *PLoS ONE*, **2012**, 7, e37937	3.7	18

59	Dynamics of DNA methylation in aging and Alzheimer's disease. *DNA and Cell Biology*, **2012**, 31 Suppl 1, S42-8	3.6	64
58	Role of noncoding RNAs in trinucleotide repeat neurodegenerative disorders. *Experimental Neurology*, **2012**, 235, 469-75	5.7	16
57	MicroRNA-277 modulates the neurodegeneration caused by Fragile X premutation rCGG repeats. *PLoS Genetics*, **2012**, 8, e1002681	6	43
56	Retrotransposon activation contributes to fragile X premutation rCGG-mediated neurodegeneration. *Human Molecular Genetics*, **2012**, 21, 57-65	5.6	57
55	Selective capture of 5-hydroxymethylcytosine from genomic DNA. *Journal of Visualized Experiments* , **2012**,	1.6	3
54	Fragile X mental retardation protein and stem cells. *Results and Problems in Cell Differentiation*, **2012**, 54, 157-64	1.4	1
53	5-Hydroxymethylcytosine (5-hmC) Specific Enrichment. *Bio-protocol*, **2012**, 2,	0.9	1
52	Ablation of Fmrp in adult neural stem cells disrupts hippocampus-dependent learning. *Nature Medicine*, **2011**, 17, 559-65	50.5	183
51	5-hmC-mediated epigenetic dynamics during postnatal neurodevelopment and aging. *Nature Neuroscience*, **2011**, 14, 1607-16	25.5	639
50	RNA-binding protein FXR2 regulates adult hippocampal neurogenesis by reducing Noggin expression. *Neuron*, **2011**, 70, 924-38	13.9	64
49	Selective chemical labeling reveals the genome-wide distribution of 5-hydroxymethylcytosine. *Nature Biotechnology*, **2011**, 29, 68-72	44.5	816
48	Nuclear accumulation of stress response mRNAs contributes to the neurodegeneration caused by Fragile X premutation rCGG repeats. *PLoS Genetics*, **2011**, 7, e1002102	6	50
47	Integrating 5-hydroxymethylcytosine into the epigenomic landscape of human embryonic stem cells. *PLoS Genetics*, **2011**, 7, e1002154	6	217
46	Roles of small regulatory RNAs in determining neuronal identity. *Nature Reviews Neuroscience*, **2010**, 11, 329-38	13.5	144
45	Cross talk between microRNA and epigenetic regulation in adult neurogenesis. *Journal of Cell Biology*, **2010**, 189, 127-41	7.3	381
44	Fragile x mental retardation protein regulates proliferation and differentiation of adult neural stem/progenitor cells. *PLoS Genetics*, **2010**, 6, e1000898	6	177
43	Epigenetic regulation of miR-184 by MBD1 governs neural stem cell proliferation and differentiation. *Cell Stem Cell*, **2010**, 6, 433-44	18	246
42	Small RNA-mediated gene regulation in neurodevelopmental disorders. *Current Psychiatry Reports*, **2010**, 12, 154-61	9.1	11

41	Emergence of chemical biology approaches to the RNAi/miRNA pathway. *Chemistry and Biology*, **2010**, 17, 584-9		25
40	MicroRNA miR-137 regulates neuronal maturation by targeting ubiquitin ligase mind bomb-1. *Stem Cells*, **2010**, 28, 1060-70	5.8	321
39	Animal Models for FXTAS **2010**, 123-136		1
38	Small regulatory RNAs in neurodevelopmental disorders. *Human Molecular Genetics*, **2009**, 18, R18-26	5.6	36
37	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
36	Macro role(s) of microRNAs in fragile X syndrome?. *NeuroMolecular Medicine*, **2009**, 11, 200-7	4.6	14
35	RNA-mediated pathogenesis in fragile X-associated disorders. *Neuroscience Letters*, **2009**, 466, 103-8	3.3	16
34	A small molecule enhances RNA interference and promotes microRNA processing. *Nature Biotechnology*, **2008**, 26, 933-40	44.5	187
33	Identification of small molecules rescuing fragile X syndrome phenotypes in Drosophila. *Nature Chemical Biology*, **2008**, 4, 256-63	11.7	220
32	The microRNA pathway and fragile X mental retardation protein. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2008**, 1779, 702-5	6	36
31	FXTAS: a bad RNA and a hope for a cure. *Expert Opinion on Biological Therapy*, **2008**, 8, 249-53	5.4	6
30	Epigenetic Regulation of miRNA in Stem Cells **2008**, 187-204		
29	The loss of methyl-CpG binding protein 1 leads to autism-like behavioral deficits. *Human Molecular Genetics*, **2008**, 17, 2047-57	5.6	74
28	Single nucleotide polymorphism associated with mature miR-125a alters the processing of pri-miRNA. *Human Molecular Genetics*, **2007**, 16, 1124-31	5.6	431
27	Role of microRNA pathway in mental retardation. *Scientific World Journal, The*, **2007**, 7, 146-54	2.2	17
26	Noncoding RNAs in the brain. *Journal of Neuroscience*, **2007**, 27, 11856-9	6.6	31
25	Argonaute 1 regulates the fate of germline stem cells in Drosophila. *Development (Cambridge)*, **2007**, 134, 4265-72	6.6	82
24	Argonaute-2-dependent rescue of a Drosophila model of FXTAS by FRAXE premutation repeat. *Human Molecular Genetics*, **2007**, 16, 2326-32	5.6	39

23	Fragile X mental retardation protein modulates the fate of germline stem cells in Drosophila. *Human Molecular Genetics*, **2007**, 16, 1814-20	5.6	56
22	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
21	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
20	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
19	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
18	Identification of messenger RNAs and microRNAs associated with fragile X mental retardation protein. *Methods in Molecular Biology*, **2006**, 342, 267-76	1.4	16
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