Zi-Long Qiu

List of Publications by Year
in descending order

100	4,892	94269 37	110170 64
papers	citations	h-index	g-index

122	122	122	8071
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sevoflurane impairs m6A-mediated mRNA translation and leads to fine motor and cognitive deficits. Cell Biology and Toxicology, 2022, 38, 347-369.	2.4	19
2	Identification of CHMP4C as a new risk gene for inherited dilated cardiomyopathy. Journal of Genetics and Genomics, 2022, 49, 169-172.	1.7	3
3	Chromatin Remodeling Induced by ARID1A Loss in Lung Cancer Promotes Glycolysis and Confers JQ1 Vulnerability. Cancer Research, 2022, 82, 791-804.	0.4	22
4	Novel IL1RAP mutation associated with schizophrenia interferes with neuronal growth and related NF-Î²B signal pathways. Neuroscience Letters, 2022, 775, 136533.	1.0	2
5	A recurrent SHANK1 mutation implicated in autism spectrum disorder causes autistic-like core behaviors in mice via downregulation of mGluR1-IP3R1-calcium signaling. Molecular Psychiatry, 2022, 27, 2985-2998.	4.1	12
6	KIF5C deficiency causes abnormal cortical neuronal migration, dendritic branching, and spine morphology in mice. Pediatric Research, 2022, 92, 995-1002.	1.1	5
7	Mapping brain-wide excitatory projectome of primate prefrontal cortex at submicron resolution and comparison with diffusion tractography. ELife, 2022, 11, .	2.8	9
8	Induction of core symptoms of autism spectrum disorder by in vivo CRISPR/Cas9-based gene editing in the brain of adolescent rhesus monkeys. Science Bulletin, 2021, 66, 937-946.	4.3	13
9	Generation of nonhuman primate retinitis pigmentosa model by in situ knockout of RHO in rhesus macaque retina. Science Bulletin, 2021, 66, 374-385.	4.3	7
10	Potassium channels and autism spectrum disorder: An overview. International Journal of Developmental Neuroscience, 2021, 81, 479-491.	0.7	16
11	An Intronic Variant of CHD7 Identified in Autism Patients Interferes with Neuronal Differentiation and Development. Neuroscience Bulletin, 2021, 37, 1091-1106.	1.5	9
12	5'-UTR SNP of FGF13 causes translational defect and intellectual disability. ELife, 2021, 10, .	2.8	9
13	GABA Signaling Pathway-associated Gene PLCL1 Rare Variants May be Associated with Autism Spectrum Disorders. Neuroscience Bulletin, 2021, 37, 1240-1245.	1.5	8
14	Co-editing PINK1 and DJ-1 Genes Via Adeno-Associated Virus-Delivered CRISPR/Cas9 System in Adult Monkey Brain Elicits Classical Parkinsonian Phenotype. Neuroscience Bulletin, 2021, 37, 1271-1288.	1.5	25
15	Molecular taxonomy of the primate amygdala via single-nucleus RNA sequencing analysis. Science Bulletin, 2021, 66, 1379-1383.	4.3	6
16	Overexpression of MECP2 in the Suprachiasmatic Nucleus Alters Circadian Rhythm and Induces Abnormal Social Behaviors. Neuroscience Bulletin, 2021, 37, 1713-1717.	1.5	4
17	The autism risk gene CNTN4 modulates dendritic spine formation. Human Molecular Genetics, 2021, 31, 207-218.	1.4	3
18	Homoharringtonine Synergized with Gilteritinib Results in the Downregulation of Myeloid Cell Leukemia-1 by Upregulating UBE2L6 in FLT3-ITD-Mutant Acute Myeloid (Leukemia) Cell Lines. Journal of Oncology, 2021, 2021, 1-11.	0.6	4

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19	SENP1 in the retrosplenial agranular cortex regulates core autistic-like symptoms in mice. Cell Reports, 2021, 37, 109939.	2.9	18
20	Docking sites inside Cas9 for adenine base editing diversification and RNA off-target elimination. Nature Communications, 2020, 11, 5827.	5.8	17
21	Rett mutations attenuate phase separation of MeCP2. Cell Discovery, 2020, 6, 38.	3.1	23
22	Reversal of Social Recognition Deficit in Adult Mice with MECP2 Duplication via Normalization of MeCP2 in the Medial Prefrontal Cortex. Neuroscience Bulletin, 2020, 36, 570-584.	1.5	43
23	Efficient and risk-reduced genome editing using double nicks enhanced by bacterial recombination factors in multiple species. Nucleic Acids Research, 2020, 48, e57-e57.	6.5	2
24	Visualization and correction of social abnormalities-associated neural ensembles in adult MECP2 duplication mice. Science Bulletin, 2020, 65, 1192-1202.	4.3	17
25	MECP2Duplication Causes Aberrant GABA Pathways, Circuits and Behaviors in Transgenic Monkeys: Neural Mappings to Patients with Autism. Journal of Neuroscience, 2020, 40, 3799-3814.	1.7	29
26	Activation of astrocytes in hippocampus decreases fear memory through adenosine A1 receptors. ELife, 2020, 9, .	2.8	51
27	Mutations of CNTNAP1 led to defects in neuronal development. JCI Insight, 2020, 5, .	2.3	8
28	Expanding Câ€“T base editing toolkit with diversified cytidine deaminases. Nature Communications, 2019, 10, 3612.	5.8	49
29	Towards the Framework of Understanding Autism Spectrum Disorders. Neuroscience Bulletin, 2019, 35, 1110-1112.	1.5	10
30	Effect of PEGylated Magnetic PLGA-PEI Nanoparticles on Primary Hippocampal Neurons: Reduced Nanoneurotoxicity and Enhanced Transfection Efficiency with Magnetofection. ACS Applied Materials & Interfaces, 2019, 11, 38190-38204.	4.0	34
31	De Novo and Inherited SETD1A Variants in Early-onset Epilepsy. Neuroscience Bulletin, 2019, 35, 1045-1057.	1.5	33
32	The critical role of ASD-related gene CNTNAP3 in regulating synaptic development and social behavior in mice. Neurobiology of Disease, 2019, 130, 104486.	2.1	22
33	Disrupted folate metabolism with anesthesia leads to myelination deficits mediated by epigenetic regulation of ERMN. EBioMedicine, 2019, 43, 473-486.	2.7	40
34	In vivo genome editing rescues photoreceptor degeneration via a Cas9/RecA-mediated homology-directed repair pathway. Science Advances, 2019, 5, eaav3335.	4.7	67
35	Enrichment of short mutant cell-free DNA fragments enhanced detection of pancreatic cancer. EBioMedicine, 2019, 41, 345-356.	2.7	59
36	Loss of CREST leads to neuroinflammatory responses and ALS-like motor defects in mice. Translational Neurodegeneration, 2019, 8, 13.	3.6	6

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37	Circular RNA circERBB2 promotes gallbladder cancer progression by regulating PA2G4-dependent rDNA transcription. Molecular Cancer, 2019, 18, 166.	7.9	71
38	MicroRNA-197 controls ADAM10 expression to mediate MeCP2â€™s role in the differentiation of neuronal progenitors. Cell Death and Differentiation, 2019, 26, 1863-1879.	5.0	21
39	Whole-exome sequencing identifies rare compound heterozygous mutations in the MYBPC3 gene associated with severe familial hypertrophic cardiomyopathy. European Journal of Medical Genetics, 2018, 61, 434-441.	0.7	11
40	An Excitatory Neural Assembly Encodes Short-Term Memory in the Prefrontal Cortex. Cell Reports, 2018, 22, 1734-1744.	2.9	19
41	Generation of a whole-brain atlas for the cholinergic system and mesoscopic projectome analysis of basal forebrain cholinergic neurons. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 415-420.	3.3	241
42	Deciphering MECP2 -associated disorders: disrupted circuits and the hope for repair. Current Opinion in Neurobiology, 2018, 48, 30-36.	2.0	40
43	Long non-coding RNA tagging and expression manipulation via CRISPR/Cas9-mediated targeted insertion. Protein and Cell, 2018, 9, 820-825.	4.8	7
44	Excessive UBE3A dosage impairs retinoic acid signaling and synaptic plasticity in autism spectrum disorders. Cell Research, 2018, 28, 48-68.	5.7	95
45	Compound pathogenic mutation in the USH2A gene in Chinese RP families detected by wholeâ€‘exome sequencing. Molecular Medicine Reports, 2018, 18, 5016-5022.	1.1	2
46	Dysregulated circular <scp>RNA</scp>s in medulloblastoma regulate proliferation and growth of tumor cells via host genes. Cancer Medicine, 2018, 7, 6147-6157.	1.3	41
47	A Novel MYCN Variant Associated with Intellectual Disability Regulates Neuronal Development. Neuroscience Bulletin, 2018, 34, 854-858.	1.5	2
48	Autism-related protein MeCP2 regulates FGF13 expression and emotional behaviors. Journal of Genetics and Genomics, 2017, 44, 63-66.	1.7	2
49	Accumulated quiescent neural stem cells in adult hippocampus of the mouse model for the MECP2 duplication syndrome. Scientific Reports, 2017, 7, 41701.	1.6	19
50	L2hgdh Deficiency Accumulates <scp>l</scp>-2-Hydroxyglutarate with Progressive Leukoencephalopathy and Neurodegeneration. Molecular and Cellular Biology, 2017, 37, .	1.1	27
51	Regulation of mRNA splicing by MeCP2 via epigenetic modifications in the brain. Scientific Reports, 2017, 7, 42790.	1.6	38
52	Non-human Primate Models for Brain Disorders â€“ Towards Genetic Manipulations via Innovative Technology. Neuroscience Bulletin, 2017, 33, 247-250.	1.5	17
53	Distinct Defects in Spine Formation or Pruning in Two Gene Duplication Mouse Models of Autism. Neuroscience Bulletin, 2017, 33, 143-152.	1.5	25
54	Identification of the Genetic Cause for Childhood Disintegrative Disorder by Whole-Exome Sequencing. Neuroscience Bulletin, 2017, 33, 251-254.	1.5	5

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55	Recent Research Progress in Autism Spectrum Disorder. Neuroscience Bulletin, 2017, 33, 125-129.	1.5	9
56	Mir505â€“3p regulates axonal development via inhibiting the autophagy pathway by targeting Atg12. Autophagy, 2017, 13, 1679-1696.	4.3	18
57	Altered visual cortical processing in a mouse model of MECP2 duplication syndrome. Scientific Reports, 2017, 7, 6468.	1.6	16
58	Microstructural Alterations in Asymptomatic and Symptomatic Patients with Spinocerebellar Ataxia Type 3: A Tract-Based Spatial Statistics Study. Frontiers in Neurology, 2017, 8, 714.	1.1	30
59	Loss of FMRP Impaired Hippocampal Long-Term Plasticity and Spatial Learning in Rats. Frontiers in Molecular Neuroscience, 2017, 10, 269.	1.4	56
60	Identification of autism-related MECP2 mutations by whole-exome sequencing and functional validation. Molecular Autism, 2017, 8, 43.	2.6	42
61	Disruption of an Evolutionarily Novel Synaptic Expression Pattern in Autism. PLoS Biology, 2016, 14, e1002558.	2.6	73
62	Reciprocal regulation of autism-related genes MeCP2 and PTEN via microRNAs. Scientific Reports, 2016, 6, 20392.	1.6	35
63	Opportunities and challenges in modeling human brain disorders in transgenic primates. Nature Neuroscience, 2016, 19, 1123-1130.	7.1	115
64	Electrical coupling regulates layer 1 interneuron microcircuit formation in the neocortex. Nature Communications, 2016, 7, 12229.	5.8	24
65	The autism-related gene SNRPN regulates cortical and spine development via controlling nuclear receptor Nr4a1. Scientific Reports, 2016, 6, 29878.	1.6	28
66	MiR-130a regulates neurite outgrowth and dendritic spine density by targeting MeCP2. Protein and Cell, 2016, 7, 489-500.	4.8	30
67	Autism-like behaviours and germline transmission in transgenic monkeys overexpressing MeCP2. Nature, 2016, 530, 98-102.	13.7	260
68	Basal Forebrain Cholinergic Neurons Primarily Contribute to Inhibition of Electroencephalogram Delta Activity, Rather Than Inducing Behavioral Wakefulness in Mice. Neuropsychopharmacology, 2016, 41, 2133-2146.	2.8	104
69	Generation of macaques with sperm derived from juvenile monkey testicular xenografts. Cell Research, 2016, 26, 139-142.	5.7	94
70	An optimized method for high-titer lentivirus preparations without ultracentrifugation. Scientific Reports, 2015, 5, 13875.	1.6	106
71	Novel function of PIWIL1 in neuronal polarization and migration via regulation of microtubule-associated proteins. Molecular Brain, 2015, 8, 39.	1.3	42
72	Periostin Promotes Neural Stem Cell Proliferation and Differentiation following Hypoxic-Ischemic Injury. PLoS ONE, 2015, 10, e0123585.	1.1	16

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73	Neuroprotective Effects of Oligodendrocyte Progenitor Cell Transplantation in Premature Rat Brain following Hypoxic-Ischemic Injury. PLoS ONE, 2015, 10, e0115997.	1.1	50
74	Scalable and DiI-compatible optical clearance of the mammalian brain. Frontiers in Neuroanatomy, 2015, 9, 19.	0.9	154
75	Tet1-mediated DNA demethylation regulates neuronal cell death induced by oxidative stress. Scientific Reports, 2015, 5, 7645.	1.6	68
76	Coordinated Spine Pruning and Maturation Mediated by Inter-Spine Competition for Cadherin/Catenin Complexes. Cell, 2015, 162, 808-822.	13.5	136
77	The protein phosphatase activity of PTEN is essential for regulating neural stem cell differentiation. Molecular Brain, 2015, 8, 26.	1.3	26
78	MeCP2 Plays an Analgesic Role in Pain Transmission through Regulating CREB / miR-132 Pathway. Molecular Pain, 2015, 11, s12990-015-0015.	1.0	48
79	Decreased connexin 43 in astrocytes inhibits the neuroinflammatory reaction in an acute mouse model of neonatal sepsis. Neuroscience Bulletin, 2015, 31, 763-768.	1.5	15
80	Direct reprogramming of mouse fibroblasts into cardiomyocytes with chemical cocktails. Cell Research, 2015, 25, 1013-1024.	5.7	202
81	De novo GLI3 mutation in esophageal atresia: Reproducing the phenotypic spectrum of Gli3 defects in murine models. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1755-1761.	1.8	8
82	MeCP2 Suppresses Nuclear MicroRNA Processing and Dendritic Growth by Regulating the DGCR8/Drosha Complex. Developmental Cell, 2014, 28, 547-560.	3.1	211
83	<scp>SUMO</scp>ylation of Me<scp>CP</scp>2 is essential for transcriptional repression and hippocampal synapse development. Journal of Neurochemistry, 2014, 128, 798-806.	2.1	46
84	Conditional deletion of Mecp2 in parvalbumin-expressing GABAergic cells results in the absence of critical period plasticity. Nature Communications, 2014, 5, 5036.	5.8	96
85	MeCP2: multifaceted roles in gene regulation and neural development. Neuroscience Bulletin, 2014, 30, 601-609.	1.5	41
86	Generation of a monkey with MECP2 mutations by TALEN-based gene targeting. Neuroscience Bulletin, 2014, 30, 381-386.	1.5	49
87	The Epigenetic Switches for Neural Development and Psychiatric Disorders. Journal of Genetics and Genomics, 2013, 40, 339-346.	1.7	41
88	The Rett Syndrome Protein MeCP2 Regulates Synaptic Scaling. Journal of Neuroscience, 2012, 32, 989-994.	1.7	125
89	Extension of cortical synaptic development distinguishes humans from chimpanzees and macaques. Genome Research, 2012, 22, 611-622.	2.4	224
90	High Proportion of 22q13 Deletions and SHANK3 Mutations in Chinese Patients with Intellectual Disability. PLoS ONE, 2012, 7, e34739.	1.1	43

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91	The Role of Calcium-Dependent Gene Expression in Autism Spectrum Disorders: Lessons from MeCP2, Ube3a and Beyond. NeuroSignals, 2010, 18, 72-81.	0.5	9
92	Histone modifier, the gatekeeper of good memory. Cell Research, 2009, 19, 920-921.	5.7	2
93	TOX3 regulates calcium-dependent transcription in neurons. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2909-2914.	3.3	68
94	A Calcium-Dependent Switch in a CREST-BRG1 Complex Regulates Activity-Dependent Gene Expression. Neuron, 2008, 60, 775-787.	3.8	106
95	A Brief History of Neuronal Gene Expression: Regulatory Mechanisms and Cellular Consequences. Neuron, 2008, 60, 449-455.	3.8	33
96	Regulation of Dendritic Development by Neuron-Specific Chromatin Remodeling Complexes. Neuron, 2007, 56, 94-108.	3.8	346
97	Calcium Activation of the LMO4 Transcription Complex and Its Role in the Patterning of Thalamocortical Connections. Journal of Neuroscience, 2006, 26, 8398-8408.	1.7	79
98	DNA Synthesis and Mitotic Clonal Expansion Is Not a Required Step for 3T3-L1 Preadipocyte Differentiation into Adipocytes. Journal of Biological Chemistry, 2001, 276, 11988-11995.	1.6	123
99	c-Crk, a Substrate of the Insulin-like Growth Factor-1 Receptor Tyrosine Kinase, Functions as an Early Signal Mediator in the Adipocyte Differentiation Process. Journal of Biological Chemistry, 2000, 275, 34344-34352.	1.6	44
100	The Effect of Sevoflurane Anesthesia on the Biomarkers of Neural Injury in the Prefrontal Cortex of Aged Marmosets. Frontiers in Aging Neuroscience, 0, 14, .	1.7	0