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	Regulation of Dendritic Development by Neuron-Specific Chromatin Remodeling Complexes. Neuron, 2007, 56, 94-108.	3.8	346
2	Autism-like behaviours and germline transmission in transgenic monkeys overexpressing MeCP2. Nature, 2016, 530, 98-102.	13.7	260
3	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
4	Extension of cortical synaptic development distinguishes humans from chimpanzees and macaques. Genome Research, 2012, 22, 611-622.	2.4	224
5	MeCP2 Suppresses Nuclear MicroRNA Processing and Dendritic Growth by Regulating the DGCR8/Drosha Complex. Developmental Cell, 2014, 28, 547-560.	3.1	211
6	Direct reprogramming of mouse fibroblasts into cardiomyocytes with chemical cocktails. Cell Research, 2015, 25, 1013-1024.	5.7	202
7	Scalable and DiI-compatible optical clearance of the mammalian brain. Frontiers in Neuroanatomy, 2015, 9, 19.	0.9	154
8	Coordinated Spine Pruning and Maturation Mediated by Inter-Spine Competition for Cadherin/Catenin Complexes. Cell, 2015, 162, 808-822.	13.5	136
9	The Rett Syndrome Protein MeCP2 Regulates Synaptic Scaling. Journal of Neuroscience, 2012, 32, 989-994.	1.7	125
10	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
11	Opportunities and challenges in modeling human brain disorders in transgenic primates. Nature Neuroscience, 2016, 19, 1123-1130.	7.1	115
12	A Calcium-Dependent Switch in a CREST-BRG1 Complex Regulates Activity-Dependent Gene Expression. Neuron, 2008, 60, 775-787.	3.8	106
13	An optimized method for high-titer lentivirus preparations without ultracentrifugation. Scientific Reports, 2015, 5, 13875.	1.6	106
14	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
15	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
16	Excessive UBE3A dosage impairs retinoic acid signaling and synaptic plasticity in autism spectrum disorders. Cell Research, 2018, 28, 48-68.	5.7	95
17	Generation of macaques with sperm derived from juvenile monkey testicular xenografts. Cell Research, 2016, 26, 139-142.	5.7	94
18	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

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19	Disruption of an Evolutionarily Novel Synaptic Expression Pattern in Autism. PLoS Biology, 2016, 14, e1002558.	2.6	73
20	Circular RNA circERBB2 promotes gallbladder cancer progression by regulating PA2G4-dependent rDNA transcription. Molecular Cancer, 2019, 18, 166.	7.9	71
21	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
22	Tet1-mediated DNA demethylation regulates neuronal cell death induced by oxidative stress. Scientific Reports, 2015, 5, 7645.	1.6	68
23	In vivo genome editing rescues photoreceptor degeneration via a Cas9/RecA-mediated homology-directed repair pathway. Science Advances, 2019, 5, eaav3335.	4.7	67
24	Enrichment of short mutant cell-free DNA fragments enhanced detection of pancreatic cancer. EBioMedicine, 2019, 41, 345-356.	2.7	59
25	Loss of FMRP Impaired Hippocampal Long-Term Plasticity and Spatial Learning in Rats. Frontiers in Molecular Neuroscience, 2017, 10, 269.	1.4	56
26	Activation of astrocytes in hippocampus decreases fear memory through adenosine A1 receptors. ELife, 2020, 9, .	2.8	51
27	Neuroprotective Effects of Oligodendrocyte Progenitor Cell Transplantation in Premature Rat Brain following Hypoxic-Ischemic Injury. PLoS ONE, 2015, 10, e0115997.	1.1	50
28	Generation of a monkey with MECP2 mutations by TALEN-based gene targeting. Neuroscience Bulletin, 2014, 30, 381-386.	1.5	49
29	Expanding Câ€“T base editing toolkit with diversified cytidine deaminases. Nature Communications, 2019, 10, 3612.	5.8	49
30	MeCP2 Plays an Analgesic Role in Pain Transmission through Regulating CREB / miR-132 Pathway. Molecular Pain, 2015, 11, s12990-015-0015.	1.0	48
31	<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
32	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
33	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
34	High Proportion of 22q13 Deletions and SHANK3 Mutations in Chinese Patients with Intellectual Disability. PLoS ONE, 2012, 7, e34739.	1.1	43
35	Novel function of PIWIL1 in neuronal polarization and migration via regulation of microtubule-associated proteins. Molecular Brain, 2015, 8, 39.	1.3	42
36	Identification of autism-related MECP2 mutations by whole-exome sequencing and functional validation. Molecular Autism, 2017, 8, 43.	2.6	42

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37	The Epigenetic Switches for Neural Development and Psychiatric Disorders. Journal of Genetics and Genomics, 2013, 40, 339-346.	1.7	41
38	MeCP2: multifaceted roles in gene regulation and neural development. Neuroscience Bulletin, 2014, 30, 601-609.	1.5	41
39	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
40	Deciphering MECP2 -associated disorders: disrupted circuits and the hope for repair. Current Opinion in Neurobiology, 2018, 48, 30-36.	2.0	40
41	Disrupted folate metabolism with anesthesia leads to myelination deficits mediated by epigenetic regulation of ERMN. EBioMedicine, 2019, 43, 473-486.	2.7	40
42	Regulation of mRNA splicing by MeCP2 via epigenetic modifications in the brain. Scientific Reports, 2017, 7, 42790.	1.6	38
43	Reciprocal regulation of autism-related genes MeCP2 and PTEN via microRNAs. Scientific Reports, 2016, 6, 20392.	1.6	35
44	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
45	A Brief History of Neuronal Gene Expression: Regulatory Mechanisms and Cellular Consequences. Neuron, 2008, 60, 449-455.	3.8	33
46	De Novo and Inherited SETD1A Variants in Early-onset Epilepsy. Neuroscience Bulletin, 2019, 35, 1045-1057.	1.5	33
47	MiR-130a regulates neurite outgrowth and dendritic spine density by targeting MeCP2. Protein and Cell, 2016, 7, 489-500.	4.8	30
48	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
49	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
50	The autism-related gene SNRPN regulates cortical and spine development via controlling nuclear receptor Nr4a1. Scientific Reports, 2016, 6, 29878.	1.6	28
51	L2hgdh Deficiency Accumulates <scp>l</scp>-2-Hydroxyglutarate with Progressive Leukoencephalopathy and Neurodegeneration. Molecular and Cellular Biology, 2017, 37, .	1.1	27
52	The protein phosphatase activity of PTEN is essential for regulating neural stem cell differentiation. Molecular Brain, 2015, 8, 26.	1.3	26
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	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

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55	Electrical coupling regulates layer 1 interneuron microcircuit formation in the neocortex. Nature Communications, 2016, 7, 12229.	5.8	24
56	Rett mutations attenuate phase separation of MeCP2. Cell Discovery, 2020, 6, 38.	3.1	23
57	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
58	Chromatin Remodeling Induced by ARID1A Loss in Lung Cancer Promotes Glycolysis and Confers JQ1 Vulnerability. Cancer Research, 2022, 82, 791-804.	0.4	22
59	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
60	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
61	An Excitatory Neural Assembly Encodes Short-Term Memory in the Prefrontal Cortex. Cell Reports, 2018, 22, 1734-1744.	2.9	19
62	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
63	Mir505â€“3p regulates axonal development via inhibiting the autophagy pathway by targeting Atg12. Autophagy, 2017, 13, 1679-1696.	4.3	18
64	SENP1 in the retrosplenial agranular cortex regulates core autistic-like symptoms in mice. Cell Reports, 2021, 37, 109939.	2.9	18
65	Non-human Primate Models for Brain Disorders â€“ Towards Genetic Manipulations via Innovative Technology. Neuroscience Bulletin, 2017, 33, 247-250.	1.5	17
66	Docking sites inside Cas9 for adenine base editing diversification and RNA off-target elimination. Nature Communications, 2020, 11, 5827.	5.8	17
67	Visualization and correction of social abnormalities-associated neural ensembles in adult MECP2 duplication mice. Science Bulletin, 2020, 65, 1192-1202.	4.3	17
68	Periostin Promotes Neural Stem Cell Proliferation and Differentiation following Hypoxic-Ischemic Injury. PLoS ONE, 2015, 10, e0123585.	1.1	16
69	Altered visual cortical processing in a mouse model of MECP2 duplication syndrome. Scientific Reports, 2017, 7, 6468.	1.6	16
70	Potassium channels and autism spectrum disorder: An overview. International Journal of Developmental Neuroscience, 2021, 81, 479-491.	0.7	16
71	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
72	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

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73	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
74	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
75	Towards the Framework of Understanding Autism Spectrum Disorders. Neuroscience Bulletin, 2019, 35, 1110-1112.	1.5	10
76	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
77	Recent Research Progress in Autism Spectrum Disorder. Neuroscience Bulletin, 2017, 33, 125-129.	1.5	9
78	An Intronic Variant of CHD7 Identified in Autism Patients Interferes with Neuronal Differentiation and Development. Neuroscience Bulletin, 2021, 37, 1091-1106.	1.5	9
79	5'-UTR SNP of FGF13 causes translational defect and intellectual disability. ELife, 2021, 10, .	2.8	9
80	Mapping brain-wide excitatory projectome of primate prefrontal cortex at submicron resolution and comparison with diffusion tractography. ELife, 2022, 11, .	2.8	9
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	GABA Signaling Pathway-associated Gene PLCL1 Rare Variants May be Associated with Autism Spectrum Disorders. Neuroscience Bulletin, 2021, 37, 1240-1245.	1.5	8
83	Mutations of CNTNAP1 led to defects in neuronal development. JCI Insight, 2020, 5, .	2.3	8
84	Long non-coding RNA tagging and expression manipulation via CRISPR/Cas9-mediated targeted insertion. Protein and Cell, 2018, 9, 820-825.	4.8	7
85	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
86	Loss of CREST leads to neuroinflammatory responses and ALS-like motor defects in mice. Translational Neurodegeneration, 2019, 8, 13.	3.6	6
87	Molecular taxonomy of the primate amygdala via single-nucleus RNA sequencing analysis. Science Bulletin, 2021, 66, 1379-1383.	4.3	6
88	Identification of the Genetic Cause for Childhood Disintegrative Disorder by Whole-Exome Sequencing. Neuroscience Bulletin, 2017, 33, 251-254.	1.5	5
89	KIF5C deficiency causes abnormal cortical neuronal migration, dendritic branching, and spine morphology in mice. Pediatric Research, 2022, 92, 995-1002.	1.1	5
90	Overexpression of MECP2 in the Suprachiasmatic Nucleus Alters Circadian Rhythm and Induces Abnormal Social Behaviors. Neuroscience Bulletin, 2021, 37, 1713-1717.	1.5	4

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91	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
92	The autism risk gene CNTN4 modulates dendritic spine formation. Human Molecular Genetics, 2021, 31, 207-218.	1.4	3
93	Identification of CHMP4C as a new risk gene for inherited dilated cardiomyopathy. Journal of Genetics and Genomics, 2022, 49, 169-172.	1.7	3
94	Histone modifier, the gatekeeper of good memory. Cell Research, 2009, 19, 920-921.	5.7	2
95	Autism-related protein MeCP2 regulates FGF13 expression and emotional behaviors. Journal of Genetics and Genomics, 2017, 44, 63-66.	1.7	2
96	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
97	A Novel MYCN Variant Associated with Intellectual Disability Regulates Neuronal Development. Neuroscience Bulletin, 2018, 34, 854-858.	1.5	2
98	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
99	Novel IL1RAP mutation associated with schizophrenia interferes with neuronal growth and related NF-ÎºB signal pathways. Neuroscience Letters, 2022, 775, 136533.	1.0	2
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