

Zikai Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,234
citations

471509

17
h-index

377865

34
g-index

38
all docs

38
docs citations

38
times ranked

2006
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial loss of psychiatric risk gene Mir137 in mice causes repetitive behavior and impairs sociability and learning via increased Pde10a. <i>Nature Neuroscience</i> , 2018, 21, 1689-1703.	14.8	127
2	The C-terminal tails of endogenous GluA1 and GluA2 differentially contribute to hippocampal synaptic plasticity and learning. <i>Nature Neuroscience</i> , 2018, 21, 50-62.	14.8	105
3	p21-Activated Kinases 1 and 3 Control Brain Size through Coordinating Neuronal Complexity and Synaptic Properties. <i>Molecular and Cellular Biology</i> , 2011, 31, 388-403.	2.3	104
4	Regulation of hippocampal long-term potentiation by p21-activated protein kinase 1 (PAK1). <i>Neuropharmacology</i> , 2009, 56, 73-80.	4.1	99
5	A critical role of Rho-kinase ROCK2 in the regulation of spine and synaptic function. <i>Neuropharmacology</i> , 2009, 56, 81-89.	4.1	86
6	Neuroigin 1 regulates spines and synaptic plasticity via LIMK1/cofilin-mediated actin reorganization. <i>Journal of Cell Biology</i> , 2016, 212, 449-463.	5.2	79
7	GluA2 (GluR2) Regulates Metabotropic Glutamate Receptor-Dependent Long-Term Depression through N-Cadherin-Dependent and Cofilin-Mediated Actin Reorganization. <i>Journal of Neuroscience</i> , 2011, 31, 819-833.	3.6	78
8	PAK2 Haploinsufficiency Results in Synaptic Cytoskeleton Impairment and Autism-Related Behavior. <i>Cell Reports</i> , 2018, 24, 2029-2041.	6.4	64
9	Ca ²⁺ Permeable AMPA Receptor Induced Long-Term Potentiation Requires PI3/MAP Kinases but Not Ca/CaM-Dependent Kinase II. <i>PLoS ONE</i> , 2009, 4, e4339.	2.5	62
10	<i>Drosophila</i> Neuroigin 4 Regulates Sleep through Modulating GABA Transmission. <i>Journal of Neuroscience</i> , 2013, 33, 15545-15554.	3.6	59
11	Lithium ameliorates autistic-like behaviors induced by neonatal isolation in rats. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 234.	2.0	45
12	Rescue of maternal immune activation-induced behavioral abnormalities in adult mouse offspring by pathogen-activated maternal Treg cells. <i>Nature Neuroscience</i> , 2021, 24, 818-830.	14.8	42
13	Fbxl4 Serves as a Clock Output Molecule that Regulates Sleep through Promotion of Rhythmic Degradation of the GABAA Receptor. <i>Current Biology</i> , 2017, 27, 3616-3625.e5.	3.9	33
14	PAK1 regulates cortical development via promoting neuronal migration and progenitor cell proliferation. <i>Molecular Brain</i> , 2015, 8, 36.	2.6	30
15	Regulation of hippocampal long term depression by Neuroigin 1. <i>Neuropharmacology</i> , 2018, 143, 205-216.	4.1	20
16	Deletion of Limk1 and Limk2 in mice does not alter cochlear development or auditory function. <i>Scientific Reports</i> , 2019, 9, 3357.	3.3	19
17	p21-activated kinase 1 restricts tonic endocannabinoid signaling in the hippocampus. <i>ELife</i> , 2016, 5, .	6.0	18
18	Nanobody-based electrochemical immunoassay for <i>Bacillus thuringiensis</i> Cry1Ab toxin by detecting the enzymatic formation of polyaniline. <i>Mikrochimica Acta</i> , 2015, 182, 2451-2459.	5.0	17

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19	Mutations of <i>PQBP1</i> in Renpenning syndrome promote ubiquitin-mediated degradation of FMRP and cause synaptic dysfunction. <i>Human Molecular Genetics</i> , 2017, 26, ddx010.	2.9	13
20	Transient inhibition of LIMKs significantly attenuated central sensitization and delayed the development of chronic pain. <i>Neuropharmacology</i> , 2017, 125, 284-294.	4.1	13
21	Cdk7 Is Required for Activity-Dependent Neuronal Gene Expression, Long-Lasting Synaptic Plasticity and Long-Term Memory. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 365.	2.9	13
22	Regulation of Neurotransmitter Release by Amyloid Precursor Protein Through Synapsin Phosphorylation. <i>Neurochemical Research</i> , 2019, 44, 683-691.	3.3	13
23	Developmental regulation of hippocampal long-term depression by cofilin-mediated actin reorganization. <i>Neuropharmacology</i> , 2017, 112, 66-75.	4.1	12
24	Hippocampal Long-Term Depression in the Presence of Calcium-Permeable AMPA Receptors. <i>Frontiers in Synaptic Neuroscience</i> , 2018, 10, 41.	2.5	12
25	Improvement of host-induced gene silencing efficiency via polycistronic <i>miR</i> expression for multiple target genes and characterization of RNAi mechanism in <i>Mythimna separata</i> . <i>Plant Biotechnology Journal</i> , 2021, 19, 1370-1385.	8.3	10
26	Host sunflower-induced silencing of parasitism-related genes confers resistance to invading <i>Orobanche cumana</i> . <i>Plant Physiology</i> , 2021, 185, 424-440.	4.8	9
27	A cluster of atypical resistance genes in soybean confers broad-spectrum antiviral activity. <i>Plant Physiology</i> , 2022, 188, 1277-1293.	4.8	9
28	P21 activated kinase-1 (PAK1) in macrophages is required for promotion of Th17 cell response during helminth infection. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 14325-14338.	3.6	8
29	Histone chaperone Chz1 facilitates the disfavouring property of Spt16 to H2A.Z-containing genes in <i>Saccharomyces cerevisiae</i> . <i>Biochemical Journal</i> , 2014, 460, 387-397.	3.7	7
30	PAK1 regulates inhibitory synaptic function via a novel mechanism mediated by endocannabinoids. <i>Small GTPases</i> , 2018, 9, 322-326.	1.6	6
31	Neonatal exposure to ketamine disrupts developmental synapse unsilencing and predisposes adult mice for stressor-evoked anxiety. <i>Neuropharmacology</i> , 2020, 180, 108300.	4.1	6
32	NGPF2 triggers synaptic scaling up through ALK-LIMK-cofilin-mediated mechanisms. <i>Cell Reports</i> , 2021, 36, 109515.	6.4	6
33	Decoy engineering of the receptor-like cytoplasmic kinase StPBS1 to defend against virus infection in potato. <i>Molecular Plant Pathology</i> , 2022, 23, 901-908.	4.2	6
34	Transcriptome Regulation by Oncogenic ALK Pathway in Mammalian Cortical Development Revealed by Single-Cell RNA Sequencing. <i>Cerebral Cortex</i> , 2021, 31, 3911-3924.	2.9	3
35	A simplified method for determining acceleration amplitude of prestressed concrete floor under individual jumping load. <i>Structural Design of Tall and Special Buildings</i> , 2018, 27, e1475.	1.9	0
36	Characterizing neurotrophic factor-induced synaptic growth in primary mouse neuronal cultures. <i>STAR Protocols</i> , 2022, 3, 101112.	1.2	0