Huaye Zhang

List of Publications by Year
in descending order

24 papers	1,385 citations	623734 14 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	1957 citing authors

#	Article	IF	Citations
1	Polarity proteins: Shaping dendritic spines and memory. Developmental Biology, 2022, 488, 68-73.	2.0	2
2	Metformin reduces neuroinflammation and improves cognitive functions after traumatic brain injury. Neuroscience Research, 2021, 172, 99-109.	1.9	13
3	Synaptic dysregulation in autism spectrum disorders. Journal of Neuroscience Research, 2020, 98, 2111-2114.	2.9	1
4	Long-lasting Behavioral and Neuroanatomical Effects of Postnatal Valproic Acid Treatment. Neuroscience, 2020, 434, 8-21.	2.3	7
5	Translational derepression of Elavl4Âisoforms at their alternative 5â€² UTRs determines neuronal development. Nature Communications, 2020, 11, 1674.	12.8	40
6	Par3 regulates polarized convergence between APP and BACE1 in hippocampal neurons. Neurobiology of Aging, 2019, 77, 87-93.	3.1	7
7	Loss of Par1b/MARK2 primes microglia during brain development and enhances their sensitivity to injury. Journal of Neuroinflammation, 2019, 16, 11.	7.2	15
8	Oxidation of KCNB1 potassium channels in the murine brain during aging is associated with cognitive impairment. Biochemical and Biophysical Research Communications, 2019, 512, 665-669.	2.1	12
9	Introduction to the special issue on membrane trafficking in neurons. Developmental Neurobiology, 2018, 78, 167-169.	3.0	2
10	Ras and Rap Signal Bidirectional Synaptic Plasticity via Distinct Subcellular Microdomains. Neuron, 2018, 98, 783-800.e4.	8.1	68
11	The Endolysosomal System and Proteostasis: From Development to Degeneration. Journal of Neuroscience, 2018, 38, 9364-9374.	3.6	94
12	Par3 and aPKC regulate BACE1 endosome-to-TGN trafficking throughÂPACS1. Neurobiology of Aging, 2017, 60, 129-140.	3.1	22
13	Postsynaptic density 95 (PSD-95) serine 561 phosphorylation regulates a conformational switch and bidirectional dendritic spine structural plasticity. Journal of Biological Chemistry, 2017, 292, 16150-16160.	3.4	36
14	Piconewtonâ€Scale Analysis of Rasâ€BRaf Signal Transduction with Singleâ€Molecule Force Spectroscopy. Small, 2017, 13, 1701972.	10.0	3
15	Polarity Determinants in Dendritic Spine Development and Plasticity. Neural Plasticity, 2016, 2016, 1-10.	2.2	6
16	The polarity protein Par3 regulates APP trafficking and processing through the endocytic adaptor protein Numb. Neurobiology of Disease, 2016, 93, 1-11.	4.4	23
17	MARK/Par1 Kinase Is Activated Downstream of NMDA Receptors through a PKA-Dependent Mechanism. PLoS ONE, 2015, 10, e0124816.	2.5	20
18	Calcium Phosphate Transfection of Primary Hippocampal Neurons. Journal of Visualized Experiments, 2013, , e50808.	0.3	21

#	Article	IF	Citations
19	The Polarity Protein Partitioning-defective 1 (PAR-1) Regulates Dendritic Spine Morphogenesis through Phosphorylating Postsynaptic Density Protein 95 (PSD-95). Journal of Biological Chemistry, 2012, 287, 30781-30788.	3.4	23
20	The PAR-6 Polarity Protein Regulates Dendritic Spine Morphogenesis through p190 RhoGAP and the Rho GTPase. Developmental Cell, 2008, 14, 216-226.	7.0	131
21	The polarity protein PAR-3 and TIAM1 cooperate in dendritic spine morphogenesis. Nature Cell Biology, 2006, 8, 227-237.	10.3	189
22	A GIT1/PIX/Rac/PAK Signaling Module Regulates Spine Morphogenesis and Synapse Formation through MLC. Journal of Neuroscience, 2005, 25, 3379-3388.	3.6	310
23	Synapse formation is regulated by the signaling adaptor GIT1. Journal of Cell Biology, 2003, 161, 131-142.	5.2	181
24	The LD4 motif of paxillin regulates cell spreading and motility through an interaction with paxillin kinase linker (PKL). Journal of Cell Biology, 2001, 154, 161-176.	5.2	159