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	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
2	The polarity protein PAR-3 and TIAM1 cooperate in dendritic spine morphogenesis. Nature Cell Biology, 2006, 8, 227-237.	10.3	189
3	Synapse formation is regulated by the signaling adaptor GIT1. Journal of Cell Biology, 2003, 161, 131-142.	5.2	181
4	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
5	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
6	The Endolysosomal System and Proteostasis: From Development to Degeneration. Journal of Neuroscience, 2018, 38, 9364-9374.	3.6	94
7	Ras and Rap Signal Bidirectional Synaptic Plasticity via Distinct Subcellular Microdomains. Neuron, 2018, 98, 783-800.e4.	8.1	68
8	Translational derepression of Elavl4Âisoforms at their alternative 5â€² UTRs determines neuronal development. Nature Communications, 2020, 11, 1674.	12.8	40
9	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
10	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
11	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
12	Par3 and aPKC regulate BACE1 endosome-to-TGN trafficking throughÂPACS1. Neurobiology of Aging, 2017, 60, 129-140.	3.1	22
13	Calcium Phosphate Transfection of Primary Hippocampal Neurons. Journal of Visualized Experiments, 2013, , e50808.	0.3	21
14	MARK/Par1 Kinase Is Activated Downstream of NMDA Receptors through a PKA-Dependent Mechanism. PLoS ONE, 2015, 10, e0124816.	2.5	20
15	Loss of Par1b/MARK2 primes microglia during brain development and enhances their sensitivity to injury. Journal of Neuroinflammation, 2019, 16, 11.	7.2	15
16	Metformin reduces neuroinflammation and improves cognitive functions after traumatic brain injury. Neuroscience Research, 2021, 172, 99-109.	1.9	13
17	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
18	Par3 regulates polarized convergence between APP and BACE1 in hippocampal neurons. Neurobiology of Aging, 2019, 77, 87-93.	3.1	7

#	Article	IF	Citations
19	Long-lasting Behavioral and Neuroanatomical Effects of Postnatal Valproic Acid Treatment. Neuroscience, 2020, 434, 8-21.	2.3	7
20	Polarity Determinants in Dendritic Spine Development and Plasticity. Neural Plasticity, 2016, 2016, 1-10.	2.2	6
21	Piconewtonâ€Scale Analysis of Rasâ€BRaf Signal Transduction with Singleâ€Molecule Force Spectroscopy. Small, 2017, 13, 1701972.	10.0	3
22	Introduction to the special issue on membrane trafficking in neurons. Developmental Neurobiology, 2018, 78, 167-169.	3.0	2
23	Polarity proteins: Shaping dendritic spines and memory. Developmental Biology, 2022, 488, 68-73.	2.0	2
24	Synaptic dysregulation in autism spectrum disorders. Journal of Neuroscience Research, 2020, 98, 2111-2114.	2.9	1