

Xiang-Ming Zha

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

2,635
citations

20
h-index

47
g-index

47
ext. papers

2,899
ext. citations

5.3
avg, IF

4.72
L-index

#	Paper	IF	Citations
45	Immunoaffinity profiling of tyrosine phosphorylation in cancer cells. <i>Nature Biotechnology</i> , 2005 , 23, 94-101	44.5	1056
44	Phosphoprotein analysis using antibodies broadly reactive against phosphorylated motifs. <i>Journal of Biological Chemistry</i> , 2002 , 277, 39379-87	5.4	209
43	Protons are a neurotransmitter that regulates synaptic plasticity in the lateral amygdala. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8961-6	11.5	154
42	Acid-sensing ion channel 1a is a postsynaptic proton receptor that affects the density of dendritic spines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 16556-61	11.5	149
41	Multiple distinct signal pathways, including an autocrine neurotrophic mechanism, contribute to the survival-promoting effect of depolarization on spiral ganglion neurons in vitro. <i>Journal of Neuroscience</i> , 2001 , 21, 2256-67	6.6	123
40	Targeting ASIC1a reduces innate fear and alters neuronal activity in the fear circuit. <i>Biological Psychiatry</i> , 2007 , 62, 1140-8	7.9	112
39	Acid-sensing ion channels: trafficking and synaptic function. <i>Molecular Brain</i> , 2013 , 6, 1	4.5	100
38	ASIC2 subunits target acid-sensing ion channels to the synapse via an association with PSD-95. <i>Journal of Neuroscience</i> , 2009 , 29, 8438-46	6.6	79
37	Oxidant regulated inter-subunit disulfide bond formation between ASIC1a subunits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3573-8	11.5	61
36	Ca ²⁺ /calmodulin-dependent protein kinases II and IV both promote survival but differ in their effects on axon growth in spiral ganglion neurons. <i>Journal of Neuroscience Research</i> , 2003 , 72, 169-84	4.4	60
35	BDNF synthesis in spiral ganglion neurons is constitutive and CREB-dependent. <i>Hearing Research</i> , 2001 , 156, 53-68	3.9	60
34	Two aspects of ASIC function: Synaptic plasticity and neuronal injury. <i>Neuropharmacology</i> , 2015 , 94, 42-85.5	5.5	55
33	An extranuclear locus of cAMP-dependent protein kinase action is necessary and sufficient for promotion of spiral ganglion neuronal survival by cAMP. <i>Journal of Neuroscience</i> , 2003 , 23, 777-87	6.6	49
32	N-glycosylation of acid-sensing ion channel 1a regulates its trafficking and acidosis-induced spine remodeling. <i>Journal of Neuroscience</i> , 2012 , 32, 4080-91	6.6	42
31	Regulation of hippocampal synapse remodeling by epileptiform activity. <i>Molecular and Cellular Neurosciences</i> , 2005 , 29, 494-506	4.8	42
30	The cytoskeletal protein alpha-actinin regulates acid-sensing ion channel 1a through a C-terminal interaction. <i>Journal of Biological Chemistry</i> , 2009 , 284, 2697-2705	5.4	30
29	ASIC subunit ratio and differential surface trafficking in the brain. <i>Molecular Brain</i> , 2016 , 9, 4	4.5	27

28	PICK1 regulates the trafficking of ASIC1a and acidotoxicity in a BAR domain lipid binding-dependent manner. <i>Molecular Brain</i> , 2010 , 3, 39	4.5	27
27	Region specific contribution of ASIC2 to acidosis-and ischemia-induced neuronal injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 528-540	7.3	21
26	A kinase anchor protein 150 (AKAP150)-associated protein kinase A limits dendritic spine density. <i>Journal of Biological Chemistry</i> , 2011 , 286, 26496-506	5.4	21
25	infection liberates transmissible, cytotoxic prion amyloids. <i>FASEB Journal</i> , 2017 , 31, 2785-2796	0.9	18
24	Synaptic activity and F-actin coordinately regulate CaMKIIalpha localization to dendritic postsynaptic sites in developing hippocampal slices. <i>Molecular and Cellular Neurosciences</i> , 2006 , 31, 37-51	4.8	18
23	The interaction between the first transmembrane domain and the thumb of ASIC1a is critical for its N-glycosylation and trafficking. <i>PLoS ONE</i> , 2011 , 6, e26909	3.7	18
22	Role of Ca ²⁺ /calmodulin-dependent protein kinase II in dendritic spine remodeling during epileptiform activity in vitro. <i>Journal of Neuroscience Research</i> , 2009 , 87, 1969-79	4.4	16
21	Human ASIC1a mediates stronger acid-induced responses as compared with mouse ASIC1a. <i>FASEB Journal</i> , 2018 , 32, 3832-3843	0.9	15
20	Two di-leucine motifs regulate trafficking and function of mouse ASIC2a. <i>Molecular Brain</i> , 2016 , 9, 9	4.5	11
19	Infection-induced endothelial amyloids impair memory. <i>FASEB Journal</i> , 2019 , 33, 10300-10314	0.9	8
18	Three distinct motifs within the C-terminus of acid-sensing ion channel 1a regulate its surface trafficking. <i>Neuroscience</i> , 2013 , 247, 321-7	3.9	8
17	Acid-Sensing Ion Channels (ASICs) and pH in Synapse Physiology 2008 , 661-681		8
16	GPR68 Is a Neuroprotective Proton Receptor in Brain Ischemia. <i>Stroke</i> , 2020 , 51, 3690-3700	6.7	8
15	GPR68 deletion impairs hippocampal long-term potentiation and passive avoidance behavior. <i>Molecular Brain</i> , 2020 , 13, 132	4.5	6
14	Inhibition of human acid-sensing ion channel 1b by zinc. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2012 , 4, 84-93	3.4	5
13	RNA-Seq analysis of knocking out the neuroprotective proton-sensitive GPR68 on basal and acute ischemia-induced transcriptome changes and signaling in mouse brain. <i>FASEB Journal</i> , 2021 , 35, e21461	0.9	5
12	miR-149 reduces while let-7 elevates ASIC1a expression in vitro. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2017 , 9, 147-152	3.4	4
11	Time-dependent progression of hemorrhagic transformation after transient ischemia and its association with GPR68-dependent protection. <i>Brain Hemorrhages</i> , 2020 , 1, 185-191	2.1	3

10	Histidine Residues Are Responsible for Bidirectional Effects of Zinc on Acid-Sensing Ion Channel 1a/3 Heteromeric Channels. <i>Biomolecules</i> , 2020 , 10,	5.9	3
9	G protein-coupled receptor 68 increases the number of B lymphocytes. <i>American Journal of Blood Research</i> , 2020 , 10, 15-21	1.6	2
8	GPR68 Contributes to Persistent Acidosis-Induced Activation of AGC Kinases and Tyrosine Phosphorylation in Organotypic Hippocampal Slices. <i>Frontiers in Neuroscience</i> , 2021 , 15, 692217	5.1	2
7	pH and proton-sensitive receptors in brain ischemia.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022 , 271678X221089074	7.3	0
6	Acid-Sensing Ion Channels Contribute to Type III Adenylyl Cyclase-Independent Acid Sensing of Mouse Olfactory Sensory Neurons. <i>Molecular Neurobiology</i> , 2020 , 57, 3042-3056	6.2	
5	Proton Sensor GPR68 Is Essential to Maintain Myeloid Malignancies. <i>Blood</i> , 2018 , 132, 1353-1353	2.2	
4	Loss of Gpr68 Enhances Hematopoietic Stem Cell Function during Aging. <i>Blood</i> , 2019 , 134, 3719-3719	2.2	
3	The GPR68/BCL2 Axis Remodels Metabolism in AML By Relocating Calcium. <i>Blood</i> , 2019 , 134, 2661-2661	2.2	
2	ASIC2 Subunits Target Acid-Sensing Ion Channels to the Synapse via an Association with PSD-95. <i>FASEB Journal</i> , 2009 , 23, LB94	0.9	
1	Oxidant Regulated Intersubunit Disulfide Bond Formation between ASIC1a Subunits. <i>FASEB Journal</i> , 2009 , 23, LB226	0.9	