Hong-Shuo Sun

List of Publications by Year
in descending order

78 papers	3,079 citations	172457 29 h-index	175258 52 g-index
79 all docs	79 docs citations	79 times ranked	3966 citing authors

#	Article	IF	Citations
1	Suppression of hippocampal TRPM7 protein prevents delayed neuronal death in brain ischemia. Nature Neuroscience, 2009, 12, 1300-1307.	14.8	259
2	Long non-coding RNAs in ischemic stroke. Cell Death and Disease, 2018, 9, 281.	6.3	230
3	Effectiveness of PSD95 Inhibitors in Permanent and Transient Focal Ischemia in the Rat. Stroke, 2008, 39, 2544-2553.	2.0	175
4	Intravenously Administered Bone Marrow Cells Migrate to Damaged Brain Tissue and Improve Neural Function in Ischemic Rats. Cell Transplantation, 2007, 16, 993-1005.	2.5	125
5	Ginsenoside Rg1 protects against ischemic/reperfusion-induced neuronal injury through miR-144/Nrf2/ARE pathway. Acta Pharmacologica Sinica, 2019, 40, 13-25.	6.1	110
6	Ca²⁺â€dependent induction of TRPM2 currents in hippocampal neurons. Journal of Physiology, 2009, 587, 965-979.	2.9	107
7	Inhibition of TRPM7 by carvacrol suppresses glioblastoma cell proliferation, migration and invasion. Oncotarget, 2015, 6, 16321-16340.	1.8	107
8	TRPM7 inhibitor carvacrol protects brain from neonatal hypoxic-ischemic injury. Molecular Brain, 2015, 8, 11.	2.6	106
9	TRPM7 channels in hippocampal neurons detect levels of extracellular divalent cations. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16323-16328.	7.1	105
10	Enhanced Neuronal Damage After Ischemic Insults in Mice Lacking Kir6.2-Containing ATP-Sensitive K+ Channels. Journal of Neurophysiology, 2006, 95, 2590-2601.	1.8	86
11	Neuroprotective role of ATP-sensitive potassium channels in cerebral ischemia. Acta Pharmacologica Sinica, 2013, 34, 24-32.	6.1	81
12	Dietary Curcumin Intervention Targets Mouse White Adipose Tissue Inflammation and Brown Adipose Tissue UCP1 Expression. Obesity, 2018, 26, 547-558.	3.0	62
13	Neuronal KATP channels mediate hypoxic preconditioning and reduce subsequent neonatal hypoxicâ€“ischemic brain injury. Experimental Neurology, 2015, 263, 161-171.	4.1	59
14	Cerebrovascular Safety of Sulfonylureas: The Role of KATP Channels in Neuroprotection and the Risk of Stroke in Patients With Type 2 Diabetes. Diabetes, 2016, 65, 2795-2809.	0.6	56
15	The role of KATP channels in cerebral ischemic stroke and diabetes. Acta Pharmacologica Sinica, 2018, 39, 683-694.	6.1	55
16	TRPM7 Regulates Axonal Outgrowth and Maturation of Primary Hippocampal Neurons. Molecular Neurobiology, 2016, 53, 595-610.	4.0	52
17	Xyloketal B Suppresses Glioblastoma Cell Proliferation and Migration in Vitro through Inhibiting TRPM7-Regulated PI3K/Akt and MEK/ERK Signaling Pathways. Marine Drugs, 2015, 13, 2505-2525.	4.6	51
18	Forkhead box O transcription factors as possible mediators in the development of major depression. Neuropharmacology, 2015, 99, 527-537.	4.1	50

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19	Zn2+ Sensitivity of High- and Low-Voltage Activated Calcium Channels. Biophysical Journal, 2007, 93, 1175-1183.	0.5	48
20	The role of TRPM2 channels in neurons, glial cells and the blood-brain barrier in cerebral ischemia and hypoxia. Acta Pharmacologica Sinica, 2018, 39, 713-721.	6.1	48
21	Transient receptor potential melastatin 2 channels (TRPM2) mediate neonatal hypoxic-ischemic brain injury in mice. Experimental Neurology, 2017, 296, 32-40.	4.1	46
22	Marine Compound Xyloketal B Reduces Neonatal Hypoxic-Ischemic Brain Injury. Marine Drugs, 2015, 13, 29-47.	4.6	44
23	TRPM7 in cerebral ischemia and potential target for drug development in stroke. Acta Pharmacologica Sinica, 2011, 32, 725-733.	6.1	43
24	Xyloketal B alleviates cerebral infarction and neurologic deficits in a mouse stroke model by suppressing the ROS/TLR4/NF-ÎºB inflammatory signaling pathway. Acta Pharmacologica Sinica, 2017, 38, 1236-1247.	6.1	41
25	Microvascular Alterations in Alzheimer's Disease. Frontiers in Cellular Neuroscience, 2020, 14, 618986.	3.7	41
26	Tideglusib, a chemical inhibitor of GSK3Î², attenuates hypoxic-ischemic brain injury in neonatal mice. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2076-2085.	2.4	40
27	UNC-18 and Tomosyn Antagonistically Control Synaptic Vesicle Priming Downstream of UNC-13 in <i>Caenorhabditis elegans</i>. Journal of Neuroscience, 2017, 37, 8797-8815.	3.6	39
28	Induction of programmed necrosis: A novel anti-cancer strategy for natural compounds. , 2020, 214, 107593.		37
29	Activation of TRPM7 by naltriben enhances migration and invasion of glioblastoma cells. Oncotarget, 2017, 8, 11239-11248.	1.8	36
30	Neuroprotective Effects of a PSD-95 Inhibitor in Neonatal Hypoxic-Ischemic Brain Injury. Molecular Neurobiology, 2016, 53, 5962-5970.	4.0	35
31	Neuroprotective effects of volume-regulated anion channel blocker DCPIB on neonatal hypoxic-ischemic injury. Acta Pharmacologica Sinica, 2013, 34, 113-118.	6.1	34
32	<scp>GSK</scp>â€3Î² inhibitor <scp>TDZD</scp>â€8 reduces neonatal hypoxicâ€ischemic brain injury in mice. CNS Neuroscience and Therapeutics, 2017, 23, 405-415.	3.9	33
33	TRPM7 Mediates Neuronal Cell Death Upstream of Calcium/Calmodulin-Dependent Protein Kinase II and Calcineurin Mechanism in Neonatal Hypoxic-Ischemic Brain Injury. Translational Stroke Research, 2021, 12, 164-184.	4.2	31
34	Swellingâ€induced chloride current in glioblastoma proliferation, migration, and invasion. Journal of Cellular Physiology, 2018, 233, 363-370.	4.1	30
35	Animal models for neonatal brain injury induced by hypoxic ischemic conditions in rodents. Experimental Neurology, 2020, 334, 113457.	4.1	30
36	Role of TRPM7 in cerebral ischaemia and hypoxia. Journal of Physiology, 2017, 595, 3077-3083.	2.9	26

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37	The role of synaptotagmin I C2A calcium-binding domain in synaptic vesicle clustering during synapse formation. Journal of Physiology, 2007, 581, 75-90.	2.9	23
38	Pharmacological approaches promoting stem cell-based therapy following ischemic stroke insults. Acta Pharmacologica Sinica, 2018, 39, 695-712.	6.1	23
39	Combined measurement of plasma cystatin C and low-density lipoprotein cholesterol: A valuable tool for evaluating progressive supranuclear palsy. Parkinsonism and Related Disorders, 2018, 52, 37-42.	2.2	23
40	Identification of key genes in ruptured atherosclerotic plaques by weighted gene correlation network analysis. Scientific Reports, 2020, 10, 10847.	3.3	23
41	Prognostic and clinicopathological significance of survivin expression in bladder cancer patients: a meta-analysis. Tumor Biology, 2014, 35, 1565-1574.	1.8	22
42	Role of TRPM7 kinase in cancer. Cell Calcium, 2021, 96, 102400.	2.4	21
43	Meta-Analysis on the Association between Brain-Derived Neurotrophic Factor Polymorphism rs6265 and Ischemic Stroke, Poststroke Depression. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 1599-1608.	1.6	20
44	Effects of SLCO1B1 and GATM gene variants on rosuvastatin-induced myopathy are unrelated to high plasma exposure of rosuvastatin and its metabolites. Acta Pharmacologica Sinica, 2019, 40, 492-499.	6.1	19
45	TRPM2â€AS inhibits the growth, migration, and invasion of gliomas through JNK, câ€Jun, and RGS4. Journal of Cellular Physiology, 2020, 235, 4594-4604.	4.1	19
46	Neuronal chemokine-like-factor 1 (CKLF1) up-regulation promotes M1 polarization of microglia in rat brain after stroke. Acta Pharmacologica Sinica, 2022, 43, 1217-1230.	6.1	19
47	Xyloketal B Attenuates Atherosclerotic Plaque Formation and Endothelial Dysfunction in Apolipoprotein E Deficient Mice. Marine Drugs, 2015, 13, 2306-2326.	4.6	18
48	C2 Domains of Munc13-4 Are Crucial for Ca2+-Dependent Degranulation and Cytotoxicity in NK Cells. Journal of Immunology, 2018, 201, 700-713.	0.8	18
49	Role of Clâˆ' channels in primary brain tumour. Cell Calcium, 2019, 81, 1-11.	2.4	17
50	Neuroprotective Effects of AG490 in Neonatal Hypoxic-Ischemic Brain Injury. Molecular Neurobiology, 2019, 56, 8109-8123.	4.0	16
51	Drug development in targeting ion channels for brain edema. Acta Pharmacologica Sinica, 2020, 41, 1272-1288.	6.1	16
52	Blockade of the swelling-induced chloride current attenuates the mouse neonatal hypoxic-ischemic brain injury in vivo. Acta Pharmacologica Sinica, 2018, 39, 858-865.	6.1	15
53	Caltubin, a Novel Molluscan Tubulin-Interacting Protein, Promotes Axonal Growth and Attenuates Axonal Degeneration of Rodent Neurons. Journal of Neuroscience, 2011, 31, 15231-15244.	3.6	14
54	Marine Compound Xyloketal B as a Potential Drug Development Target for Neuroprotection. Marine Drugs, 2018, 16, 516.	4.6	14

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55	Suppression of Kv1.5 protects against endothelial apoptosis induced by palmitate and in type 2 diabetes mice. Life Sciences, 2017, 168, 28-37.	4.3	13
56	Transcription Factor 2I Regulates Neuronal Development via TRPC3 in 7q11.23 Disorder Models. Molecular Neurobiology, 2019, 56, 3313-3325.	4.0	13
57	Waixenicin A, a marine-derived TRPM7 inhibitor: a promising CNS drug lead. Acta Pharmacologica Sinica, 2020, 41, 1519-1524.	6.1	12
58	Inhibition of TRPM7 with waixenicin A reduces glioblastoma cellular functions. Cell Calcium, 2020, 92, 102307.	2.4	12
59	Clcn3 deficiency ameliorates high-fat diet-induced obesity and adipose tissue macrophage inflammation in mice. Acta Pharmacologica Sinica, 2019, 40, 1532-1543.	6.1	11
60	Smartphones and Video Cameras: Future Methods for Blood Pressure Measurement. Frontiers in Digital Health, 2021, 3, 770096.	2.8	11
61	Inhibition of TRPM7 with carvacrol suppresses glioblastoma functions in vivo. European Journal of Neuroscience, 2022, 55, 1483-1491.	2.6	11
62	Xyloketal B exerts antihypertensive effect in renovascular hypertensive rats via the NO-sGC-cGMP pathway and calcium signaling. Acta Pharmacologica Sinica, 2018, 39, 875-884.	6.1	10
63	Role of TRPM2 in brain tumours and potential as a drug target. Acta Pharmacologica Sinica, 2022, 43, 759-770.	6.1	10
64	A method for identifying viable and damaged neurons in adult mouse brain slices. Acta Histochemica, 2009, 111, 531-537.	1.8	8
65	Chaperoning of closed syntaxin-3 through Lys46 and Glu59 in domain 1 of Munc18 proteins is indispensable for mast cell exocytosis. Journal of Cell Science, 2015, 128, 1946-1960.	2.0	8
66	Ion channel profiling of the Lymnaea stagnalis ganglia via transcriptome analysis. BMC Genomics, 2021, 22, 18.	2.8	8
67	Xyloketal B: A marine compound with medicinal potential. , 2022, 230, 107963.		7
68	Inhibition of TRPM2 by AG490 Is Neuroprotective in a Parkinsonâ€™s Disease Animal Model. Molecular Neurobiology, 2022, 59, 1543-1559.	4.0	7
69	Dopamine-mediated calcium channel regulation in synaptic suppression in L. stagnalis interneurons. Channels, 2018, 12, 153-173.	2.8	6
70	Modulators of TRPM7 and its potential as a drug target for brain tumours. Cell Calcium, 2022, 101, 102521.	2.4	6
71	Ryanodine receptor inhibitor dantrolene reduces hypoxic-ischemic brain injury in neonatal mice. Experimental Neurology, 2022, 351, 113985.	4.1	6
72	Pyk2 inhibition attenuates hypoxic-ischemic brain injury in neonatal mice. Acta Pharmacologica Sinica, 2022, 43, 797-810.	6.1	5

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73	NLRP3 Inflammasome: A Potential Target in Isoflurane Pretreatment Alleviates Stroke-Induced Retinal Injury in Diabetes. Frontiers in Cellular Neuroscience, 2021, 15, 697449.	3.7	5
74	Differential Roles of the Mevalonate Pathway in the Development and Survival of Mouse Purkinje Cells in Culture. Molecular Neurobiology, 2015, 51, 1116-1129.	4.0	4
75	AD-16 Protects Against Hypoxic-Ischemic Brain Injury by Inhibiting Neuroinflammation. Neuroscience Bulletin, 2022, , 1.	2.9	3
76	ATP-Sensitive Potassium Channels (KATP) Play a Role in Hypoxic Preconditioning Against Neonatal Hypoxic-Ischemic Brain Injury. Springer Series in Translational Stroke Research, 2017, , 185-201.	0.1	2
77	CFTR Suppresses Neointimal Formation Through Attenuating Proliferation and Migration of Aortic Smooth Muscle Cells. Journal of Cardiovascular Pharmacology, 2022, 79, 914-924.	1.9	2
78	TRPM7 Channels as Potential Therapeutic Targets for Stroke. Springer Series in Translational Stroke Research, 2017, , 415-432.	0.1	0