

Hong-Shuo Sun

List of Publications by Year in descending order

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78
papers

3,079
citations

172457

29
h-index

175258

52
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79
all docs

79
docs citations

79
times ranked

3966
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of TRPM2 in brain tumours and potential as a drug target. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 759-770.	6.1	10
2	Pyk2 inhibition attenuates hypoxic-ischemic brain injury in neonatal mice. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 797-810.	6.1	5
3	Neuronal chemokine-like-factor 1 (CKLF1) up-regulation promotes M1 polarization of microglia in rat brain after stroke. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 1217-1230.	6.1	19
4	Xyloketal B: A marine compound with medicinal potential. , 2022, 230, 107963.		7
5	Modulators of TRPM7 and its potential as a drug target for brain tumours. <i>Cell Calcium</i> , 2022, 101, 102521.	2.4	6
6	Inhibition of TRPM2 by AG490 Is Neuroprotective in a Parkinsonâ€™s Disease Animal Model. <i>Molecular Neurobiology</i> , 2022, 59, 1543-1559.	4.0	7
7	AD-16 Protects Against Hypoxic-Ischemic Brain Injury by Inhibiting Neuroinflammation. <i>Neuroscience Bulletin</i> , 2022, , 1.	2.9	3
8	Ryanodine receptor inhibitor dantrolene reduces hypoxic-ischemic brain injury in neonatal mice. <i>Experimental Neurology</i> , 2022, 351, 113985.	4.1	6
9	Inhibition of TRPM7 with carvacrol suppresses glioblastoma functions in vivo. <i>European Journal of Neuroscience</i> , 2022, 55, 1483-1491.	2.6	11
10	CFTR Suppresses Neointimal Formation Through Attenuating Proliferation and Migration of Aortic Smooth Muscle Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2022, 79, 914-924.	1.9	2
11	Ion channel profiling of the <i>Lymnaea stagnalis</i> ganglia via transcriptome analysis. <i>BMC Genomics</i> , 2021, 22, 18.	2.8	8
12	Role of TRPM7 kinase in cancer. <i>Cell Calcium</i> , 2021, 96, 102400.	2.4	21
13	NLRP3 Inflammasome: A Potential Target in Isoflurane Pretreatment Alleviates Stroke-Induced Retinal Injury in Diabetes. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 697449.	3.7	5
14	TRPM7 Mediates Neuronal Cell Death Upstream of Calcium/Calmodulin-Dependent Protein Kinase II and Calcineurin Mechanism in Neonatal Hypoxic-Ischemic Brain Injury. <i>Translational Stroke Research</i> , 2021, 12, 164-184.	4.2	31
15	Smartphones and Video Cameras: Future Methods for Blood Pressure Measurement. <i>Frontiers in Digital Health</i> , 2021, 3, 770096.	2.8	11
16	TRPM2â€™s Inhibits the growth, migration, and invasion of gliomas through JNK, c-Jun, and RGS4. <i>Journal of Cellular Physiology</i> , 2020, 235, 4594-4604.	4.1	19
17	Waixenicin A, a marine-derived TRPM7 inhibitor: a promising CNS drug lead. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 1519-1524.	6.1	12
18	Inhibition of TRPM7 with waixenicin A reduces glioblastoma cellular functions. <i>Cell Calcium</i> , 2020, 92, 102307.	2.4	12

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19	Animal models for neonatal brain injury induced by hypoxic ischemic conditions in rodents. <i>Experimental Neurology</i> , 2020, 334, 113457.	4.1	30
20	Drug development in targeting ion channels for brain edema. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 1272-1288.	6.1	16
21	Induction of programmed necrosis: A novel anti-cancer strategy for natural compounds. , 2020, 214, 107593.		37
22	Identification of key genes in ruptured atherosclerotic plaques by weighted gene correlation network analysis. <i>Scientific Reports</i> , 2020, 10, 10847.	3.3	23
23	Microvascular Alterations in Alzheimer's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 618986.	3.7	41
24	Effects of SLCO1B1 and GATM gene variants on rosuvastatin-induced myopathy are unrelated to high plasma exposure of rosuvastatin and its metabolites. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 492-499.	6.1	19
25	Transcription Factor 2I Regulates Neuronal Development via TRPC3 in 7q11.23 Disorder Models. <i>Molecular Neurobiology</i> , 2019, 56, 3313-3325.	4.0	13
26	Clcn3 deficiency ameliorates high-fat diet-induced obesity and adipose tissue macrophage inflammation in mice. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 1532-1543.	6.1	11
27	Role of Cl ⁻ channels in primary brain tumour. <i>Cell Calcium</i> , 2019, 81, 1-11.	2.4	17
28	Neuroprotective Effects of AG490 in Neonatal Hypoxic-Ischemic Brain Injury. <i>Molecular Neurobiology</i> , 2019, 56, 8109-8123.	4.0	16
29	Ginsenoside Rg1 protects against ischemic/reperfusion-induced neuronal injury through miR-144/Nrf2/ARE pathway. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 13-25.	6.1	110
30	The role of KATP channels in cerebral ischemic stroke and diabetes. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 683-694.	6.1	55
31	Pharmacological approaches promoting stem cell-based therapy following ischemic stroke insults. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 695-712.	6.1	23
32	Blockade of the swelling-induced chloride current attenuates the mouse neonatal hypoxic-ischemic brain injury in vivo. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 858-865.	6.1	15
33	Dopamine-mediated calcium channel regulation in synaptic suppression in <i>L. stagnalis</i> interneurons. <i>Channels</i> , 2018, 12, 153-173.	2.8	6
34	Meta-Analysis on the Association between Brain-Derived Neurotrophic Factor Polymorphism rs6265 and Ischemic Stroke, Poststroke Depression. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 1599-1608.	1.6	20
35	Long non-coding RNAs in ischemic stroke. <i>Cell Death and Disease</i> , 2018, 9, 281.	6.3	230
36	Dietary Curcumin Intervention Targets Mouse White Adipose Tissue Inflammation and Brown Adipose Tissue UCP1 Expression. <i>Obesity</i> , 2018, 26, 547-558.	3.0	62

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37	Xyloketal B exerts antihypertensive effect in renovascular hypertensive rats via the NO-sGC-cGMP pathway and calcium signaling. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 875-884.	6.1	10
38	The role of TRPM2 channels in neurons, glial cells and the blood-brain barrier in cerebral ischemia and hypoxia. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 713-721.	6.1	48
39	Combined measurement of plasma cystatin C and low-density lipoprotein cholesterol: A valuable tool for evaluating progressive supranuclear palsy. <i>Parkinsonism and Related Disorders</i> , 2018, 52, 37-42.	2.2	23
40	Swelling-induced chloride current in glioblastoma proliferation, migration, and invasion. <i>Journal of Cellular Physiology</i> , 2018, 233, 363-370.	4.1	30
41	Marine Compound Xyloketal B as a Potential Drug Development Target for Neuroprotection. <i>Marine Drugs</i> , 2018, 16, 516.	4.6	14
42	C2 Domains of Munc13-4 Are Crucial for Ca ²⁺ -Dependent Degranulation and Cytotoxicity in NK Cells. <i>Journal of Immunology</i> , 2018, 201, 700-713.	0.8	18
43	Suppression of Kv1.5 protects against endothelial apoptosis induced by palmitate and in type 2 diabetes mice. <i>Life Sciences</i> , 2017, 168, 28-37.	4.3	13
44	GSK-3 β inhibitor TDZD-8 reduces neonatal hypoxic-ischemic brain injury in mice. <i>CNS Neuroscience and Therapeutics</i> , 2017, 23, 405-415.	3.9	33
45	Role of TRPM7 in cerebral ischaemia and hypoxia. <i>Journal of Physiology</i> , 2017, 595, 3077-3083.	2.9	26
46	Xyloketal B alleviates cerebral infarction and neurologic deficits in a mouse stroke model by suppressing the ROS/TLR4/NF- κ B inflammatory signaling pathway. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 1236-1247.	6.1	41
47	UNC-18 and Tomosyn Antagonistically Control Synaptic Vesicle Priming Downstream of UNC-13 in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2017, 37, 8797-8815.	3.6	39
48	Transient receptor potential melastatin 2 channels (TRPM2) mediate neonatal hypoxic-ischemic brain injury in mice. <i>Experimental Neurology</i> , 2017, 296, 32-40.	4.1	46
49	ATP-Sensitive Potassium Channels (KATP) Play a Role in Hypoxic Preconditioning Against Neonatal Hypoxic-Ischemic Brain Injury. <i>Springer Series in Translational Stroke Research</i> , 2017, , 185-201.	0.1	2
50	Activation of TRPM7 by naltriben enhances migration and invasion of glioblastoma cells. <i>Oncotarget</i> , 2017, 8, 11239-11248.	1.8	36
51	TRPM7 Channels as Potential Therapeutic Targets for Stroke. <i>Springer Series in Translational Stroke Research</i> , 2017, , 415-432.	0.1	0
52	Tideglusib, a chemical inhibitor of GSK3 β , attenuates hypoxic-ischemic brain injury in neonatal mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2076-2085.	2.4	40
53	Cerebrovascular Safety of Sulfonylureas: The Role of KATP Channels in Neuroprotection and the Risk of Stroke in Patients With Type 2 Diabetes. <i>Diabetes</i> , 2016, 65, 2795-2809.	0.6	56
54	TRPM7 Regulates Axonal Outgrowth and Maturation of Primary Hippocampal Neurons. <i>Molecular Neurobiology</i> , 2016, 53, 595-610.	4.0	52

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55	Neuroprotective Effects of a PSD-95 Inhibitor in Neonatal Hypoxic-Ischemic Brain Injury. <i>Molecular Neurobiology</i> , 2016, 53, 5962-5970.	4.0	35
56	Inhibition of TRPM7 by carvacrol suppresses glioblastoma cell proliferation, migration and invasion. <i>Oncotarget</i> , 2015, 6, 16321-16340.	1.8	107
57	Marine Compound Xyloketal B Reduces Neonatal Hypoxic-Ischemic Brain Injury. <i>Marine Drugs</i> , 2015, 13, 29-47.	4.6	44
58	Xyloketal B Attenuates Atherosclerotic Plaque Formation and Endothelial Dysfunction in Apolipoprotein E Deficient Mice. <i>Marine Drugs</i> , 2015, 13, 2306-2326.	4.6	18
59	Xyloketal B Suppresses Glioblastoma Cell Proliferation and Migration in Vitro through Inhibiting TRPM7-Regulated PI3K/Akt and MEK/ERK Signaling Pathways. <i>Marine Drugs</i> , 2015, 13, 2505-2525.	4.6	51
60	Forkhead box O transcription factors as possible mediators in the development of major depression. <i>Neuropharmacology</i> , 2015, 99, 527-537.	4.1	50
61	TRPM7 inhibitor carvacrol protects brain from neonatal hypoxic-ischemic injury. <i>Molecular Brain</i> , 2015, 8, 11.	2.6	106
62	Chaperoning of closed syntaxin-3 through Lys46 and Glu59 in domain 1 of Munc18 proteins is indispensable for mast cell exocytosis. <i>Journal of Cell Science</i> , 2015, 128, 1946-1960.	2.0	8
63	Neuronal KATP channels mediate hypoxic preconditioning and reduce subsequent neonatal hypoxic-ischemic brain injury. <i>Experimental Neurology</i> , 2015, 263, 161-171.	4.1	59
64	Differential Roles of the Mevalonate Pathway in the Development and Survival of Mouse Purkinje Cells in Culture. <i>Molecular Neurobiology</i> , 2015, 51, 1116-1129.	4.0	4
65	Prognostic and clinicopathological significance of survivin expression in bladder cancer patients: a meta-analysis. <i>Tumor Biology</i> , 2014, 35, 1565-1574.	1.8	22
66	Neuroprotective effects of volume-regulated anion channel blocker DCPIB on neonatal hypoxic-ischemic injury. <i>Acta Pharmacologica Sinica</i> , 2013, 34, 113-118.	6.1	34
67	Neuroprotective role of ATP-sensitive potassium channels in cerebral ischemia. <i>Acta Pharmacologica Sinica</i> , 2013, 34, 24-32.	6.1	81
68	Caltubin, a Novel Molluscan Tubulin-Interacting Protein, Promotes Axonal Growth and Attenuates Axonal Degeneration of Rodent Neurons. <i>Journal of Neuroscience</i> , 2011, 31, 15231-15244.	3.6	14
69	TRPM7 in cerebral ischemia and potential target for drug development in stroke. <i>Acta Pharmacologica Sinica</i> , 2011, 32, 725-733.	6.1	43
70	Ca ²⁺ -dependent induction of TRPM2 currents in hippocampal neurons. <i>Journal of Physiology</i> , 2009, 587, 965-979.	2.9	107
71	Suppression of hippocampal TRPM7 protein prevents delayed neuronal death in brain ischemia. <i>Nature Neuroscience</i> , 2009, 12, 1300-1307.	14.8	259
72	A method for identifying viable and damaged neurons in adult mouse brain slices. <i>Acta Histochemica</i> , 2009, 111, 531-537.	1.8	8

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73	Effectiveness of PSD95 Inhibitors in Permanent and Transient Focal Ischemia in the Rat. <i>Stroke</i> , 2008, 39, 2544-2553.	2.0	175
74	TRPM7 channels in hippocampal neurons detect levels of extracellular divalent cations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16323-16328.	7.1	105
75	Intravenously Administered Bone Marrow Cells Migrate to Damaged Brain Tissue and Improve Neural Function in Ischemic Rats. <i>Cell Transplantation</i> , 2007, 16, 993-1005.	2.5	125
76	Zn ²⁺ Sensitivity of High- and Low-Voltage Activated Calcium Channels. <i>Biophysical Journal</i> , 2007, 93, 1175-1183.	0.5	48
77	The role of synaptotagmin I C2A calcium-binding domain in synaptic vesicle clustering during synapse formation. <i>Journal of Physiology</i> , 2007, 581, 75-90.	2.9	23
78	Enhanced Neuronal Damage After Ischemic Insults in Mice Lacking Kir6.2-Containing ATP-Sensitive K ⁺ Channels. <i>Journal of Neurophysiology</i> , 2006, 95, 2590-2601.	1.8	86