

Sheng-Xiang Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,804
citations

331670

21
h-index

233421

45
g-index

48
all docs

48
docs citations

48
times ranked

4439
citing authors

#	ARTICLE	IF	CITATIONS
1	The yak genome and adaptation to life at high altitude. <i>Nature Genetics</i> , 2012, 44, 946-949.	21.4	708
2	Dendritic Spine Dynamics. <i>Annual Review of Physiology</i> , 2009, 71, 261-282.	13.1	340
3	Rapid Reversible Changes in Dendritic Spine Structure <i>In Vivo</i> Gated by the Degree of Ischemia. <i>Journal of Neuroscience</i> , 2005, 25, 5333-5338.	3.6	252
4	Graphene-based composite materials beneficial to wound healing. <i>Nanoscale</i> , 2012, 4, 2978.	5.6	236
5	Imaging the Impact of Cortical Microcirculation on Synaptic Structure and Sensory-Evoked Hemodynamic Responses <i>In Vivo</i> . <i>PLoS Biology</i> , 2007, 5, e119.	5.6	171
6	Proliferation of parenchymal microglia is the main source of microgliosis after ischaemic stroke. <i>Brain</i> , 2013, 136, 3578-3588.	7.6	157
7	Microglial activation after ischaemic stroke. <i>Stroke and Vascular Neurology</i> , 2019, 4, 71-74.	3.3	82
8	Fine Mapping of the Spatial Relationship between Acute Ischemia and Dendritic Structure Indicates Selective Vulnerability of Layer V Neuron Dendritic Tufts within Single Neurons <i>In Vivo</i> . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1185-1200.	4.3	71
9	Rational design of small indolic squaraine dyes with large two-photon absorption cross section. <i>Chemical Science</i> , 2015, 6, 761-769.	7.4	69
10	Cooperation of ESIPT and ICT Processes in the Designed 2-(2-Hydroxyphenyl)benzothiazole Derivative: A Near-Infrared Two-Photon Fluorescent Probe with a Large Stokes Shift for the Detection of Cysteine and Its Application in Biological Environments. <i>Analytical Chemistry</i> , 2020, 92, 14236-14243.	6.5	68
11	Increased BBB Permeability Enhances Activation of Microglia and Exacerbates Loss of Dendritic Spines After Transient Global Cerebral Ischemia. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 236.	3.7	61
12	Post-injury immunosuppression and secondary infections are caused by an AIM2 inflammasome-driven signaling cascade. <i>Immunity</i> , 2021, 54, 648-659.e8.	14.3	57
13	<i>In Vivo</i> Two-Photon Imaging of Axonal Dieback, Blood Flow and Calcium Influx with Methylprednisolone Therapy after Spinal Cord Injury. <i>Scientific Reports</i> , 2015, 5, 9691.	3.3	48
14	Specific depletion of resident microglia in the early stage of stroke reduces cerebral ischemic damage. <i>Journal of Neuroinflammation</i> , 2021, 18, 81.	7.2	48
15	Early-life lead exposure induces long-term toxicity in the central nervous system: From zebrafish larvae to juveniles and adults. <i>Science of the Total Environment</i> , 2022, 804, 150185.	8.0	41
16	Microgliosis in the Injured Brain. <i>Neuroscientist</i> , 2016, 22, 165-170.	3.5	36
17	Transient global cerebral ischemia induces rapid and sustained reorganization of synaptic structures. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2756-2767.	4.3	36
18	Reversible recovery of neuronal structures depends on the degree of neuronal damage after global cerebral ischemia in mice. <i>Experimental Neurology</i> , 2017, 289, 1-8.	4.1	27

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19	Developing Push-Pull Hydroxylphenylpolyenylpyridinium Chromophores as Ratiometric Two-Photon Fluorescent Probes for Cellular and Intravital Imaging of Mitochondrial NQO1. <i>Analytical Chemistry</i> , 2021, 93, 2385-2393.	6.5	27
20	Exogenous Neural Stem Cells Transplantation as a Potential Therapy for Photothrombotic Ischemia Stroke in Kunming Mice Model. <i>Molecular Neurobiology</i> , 2017, 54, 1254-1262.	4.0	26
21	Developmental exposure to environmental levels of cadmium induces neurotoxicity and activates microglia in zebrafish larvae: From the perspectives of neurobehavior and neuroimaging. <i>Chemosphere</i> , 2022, 291, 132802.	8.2	24
22	Transcriptomic analysis reveals differential activation of microglial genes after ischemic stroke in mice. <i>Neuroscience</i> , 2017, 348, 212-227.	2.3	23
23	In vivo two-photon imaging reveals a role of progesterone in reducing axonal dieback after spinal cord injury in mice. <i>Neuropharmacology</i> , 2017, 116, 30-37.	4.1	20
24	Plant toxin Î²-ODAP activates integrin Î²1 and focal adhesion: A critical pathway to cause neuropathism. <i>Scientific Reports</i> , 2017, 7, 40677.	3.3	18
25	Loss of thioredoxin reductase function in a mouse stroke model disclosed by a two-photon fluorescent probe. <i>Chemical Communications</i> , 2020, 56, 14075-14078.	4.1	18
26	Astragaloside IV ameliorates radiation-induced senescence via antioxidative mechanism. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 1110-1118.	2.4	16
27	Different protein of <i>Echinococcus granulosus</i> stimulates dendritic induced immune response. <i>Parasitology</i> , 2015, 142, 879-889.	1.5	13
28	Combination treatment with progesterone and rehabilitation training further promotes behavioral recovery after acute ischemic stroke in mice. <i>Restorative Neurology and Neuroscience</i> , 2013, 31, 487-499.	0.7	11
29	Fast Imaging of Mitochondrial Thioredoxin Reductase Using a Styrylpyridinium-Based Two-Photon Ratiometric Fluorescent Probe. <i>Analytical Chemistry</i> , 2022, 94, 4970-4978.	6.5	10
30	Baylis-Hillman Adducts as a Versatile Module for Constructing Fluorogenic Release System. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6056-6069.	6.4	10
31	A highly selective two-photon probe with large turn-on signal for imaging endogenous HOCl in living cells. <i>Dyes and Pigments</i> , 2017, 146, 279-286.	3.7	9
32	Selective imaging of hydrogen peroxide over peroxyxynitrite by a boronate-based fluorescent probe engineered via a doubly activated electrophilicity-increasing strategy. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132149.	7.8	8
33	Ca ²⁺ -independent spine dynamics in cultured hippocampal neurons. <i>Molecular and Cellular Neurosciences</i> , 2004, 25, 334-344.	2.2	7
34	Ultrabright organic fluorescent microparticles for in vivo tracing applications. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7226-7232.	5.8	7
35	Preliminary study on the anti-apoptotic mechanism of Astragaloside IV on radiation-induced brain cells. <i>International Journal of Immunopathology and Pharmacology</i> , 2020, 34, 205873842095459.	2.1	7
36	NIR-emitting semiconducting polymer nanoparticles for in vivo two-photon vascular imaging. <i>Biomaterials Science</i> , 2020, 8, 2666-2672.	5.4	6

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37	Differential Regulation of Microglial Activation in Response to Different Degree of Ischemia. <i>Frontiers in Immunology</i> , 2022, 13, 792638.	4.8	6
38	Two-photon microscopy as a tool to investigate the therapeutic time window of methylprednisolone in a mouse spinal cord injury model. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 291-300.	0.7	5
39	Infiltrating cells from host brain restore the microglial population in grafted cortical tissue. <i>Scientific Reports</i> , 2016, 6, 33080.	3.3	5
40	Fluorescent Probes for Imaging Protein Disulfides in Live Organisms. <i>ACS Sensors</i> , 2021, 6, 1384-1391.	7.8	5
41	Sex-Specific Parental Care Strategies Via Nestling Age: Females Pay More Attention to Nestling Demands than Males Do in the Horned Lark, <i>Eremophila alpestris</i> . <i>Zoological Science</i> , 2014, 31, 348-352.	0.7	4
42	Calcium plays a key role in paraoxon-induced apoptosis in EL4 cells by regulating both endoplasmic reticulum- and mitochondria-associated pathways. <i>Toxicology Mechanisms and Methods</i> , 2016, 26, 211-220.	2.7	4
43	LIMPID: a versatile method for visualization of brain vascular networks. <i>Biomaterials Science</i> , 2021, 9, 2658-2669.	5.4	4
44	Structural plasticity of dendritic spines. <i>Frontiers in Biology</i> , 2010, 5, 48-58.	0.7	2
45	The complete mitochondrial genome of <i>Phrynocephalus helioscopus</i> (Reptilia, Squamata). <i>Tj ETQq1 1 0.784314 rgBT /Qverlock</i>	0.6	1
46	Long-term high-resolution in vivo imaging of cerebral cortical structures following ischemic stroke. <i>Biophysics Reports</i> , 2020, 6, 127-136.	0.8	0
47	Transplantation of Embryonic Cortical Tissue into Lesioned Adult Brain in Mice. <i>Bio-protocol</i> , 2017, 7, e2360.	0.4	0