

Quanguang Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,507
citations

159358

30
h-index

205818

48
g-index

53
all docs

53
docs citations

53
times ranked

3067
citing authors

#	ARTICLE	IF	CITATIONS
1	NADPH oxidase in brain injury and neurodegenerative disorders. <i>Molecular Neurodegeneration</i> , 2017, 12, 7.	4.4	314
2	Treadmill Exercise Exerts Neuroprotection and Regulates Microglial Polarization and Oxidative Stress in a Streptozotocin-Induced Rat Model of Sporadic Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 1469-1484.	1.2	150
3	Neuron-Derived Estrogen Regulates Synaptic Plasticity and Memory. <i>Journal of Neuroscience</i> , 2019, 39, 2792-2809.	1.7	133
4	GPR30 mediates estrogen rapid signaling and neuroprotection. <i>Molecular and Cellular Endocrinology</i> , 2014, 387, 52-58.	1.6	111
5	Low-level laser therapy for beta amyloid toxicity in rat hippocampus. <i>Neurobiology of Aging</i> , 2017, 49, 165-182.	1.5	111
6	From Mitochondrial Function to Neuroprotection—An Emerging Role for Methylene Blue. <i>Molecular Neurobiology</i> , 2018, 55, 5137-5153.	1.9	97
7	Photobiomodulation therapy promotes neurogenesis by improving post-stroke local microenvironment and stimulating neuroprogenitor cells. <i>Experimental Neurology</i> , 2018, 299, 86-96.	2.0	96
8	Cell-Permeable Peptide Targeting the Nrf2-Keap1 Interaction: A Potential Novel Therapy for Global Cerebral Ischemia. <i>Journal of Neuroscience</i> , 2015, 35, 14727-14739.	1.7	74
9	Beneficial Effects of Exercise Pretreatment in a Sporadic Alzheimer's Rat Model. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 945-956.	0.2	69
10	Effects of Exercise Training on Anxious-Depressive-like Behavior in Alzheimer Rat. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1456-1469.	0.2	67
11	Preservation of GABA _A Receptor Function by PTEN Inhibition Protects Against Neuronal Death in Ischemic Stroke. <i>Stroke</i> , 2010, 41, 1018-1026.	1.0	64
12	NLRP3 Inflammasome Activation in the Brain after Global Cerebral Ischemia and Regulation by 17 β -Estradiol. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-17.	1.9	64
13	Neuron-Derived Estrogen Is Critical for Astrocyte Activation and Neuroprotection of the Ischemic Brain. <i>Journal of Neuroscience</i> , 2020, 40, 7355-7374.	1.7	63
14	Mitochondria as a target for neuroprotection: role of methylene blue and photobiomodulation. <i>Translational Neurodegeneration</i> , 2020, 9, 19.	3.6	63
15	Low-Level Laser Irradiation Improves Depression-Like Behaviors in Mice. <i>Molecular Neurobiology</i> , 2017, 54, 4551-4559.	1.9	61
16	Theta-burst transcranial magnetic stimulation promotes stroke recovery by vascular protection and neovascularization. <i>Theranostics</i> , 2020, 10, 12090-12110.	4.6	57
17	Hypoxia promotes tau hyperphosphorylation with associated neuropathology in vascular dysfunction. <i>Neurobiology of Disease</i> , 2019, 126, 124-136.	2.1	53
18	Photobiomodulation for Global Cerebral Ischemia: Targeting Mitochondrial Dynamics and Functions. <i>Molecular Neurobiology</i> , 2019, 56, 1852-1869.	1.9	49

#	ARTICLE	IF	CITATIONS
19	Beneficial Effects of Theta-Burst Transcranial Magnetic Stimulation on Stroke Injury via Improving Neuronal Microenvironment and Mitochondrial Integrity. <i>Translational Stroke Research</i> , 2020, 11, 450-467.	2.3	49
20	Protective Effect of 17 β -Estradiol Upon Hippocampal Spine Density and Cognitive Function in an Animal Model of Vascular Dementia. <i>Scientific Reports</i> , 2017, 7, 42660.	1.6	46
21	Neuroprotective and Functional Improvement Effects of Methylene Blue in Global Cerebral Ischemia. <i>Molecular Neurobiology</i> , 2016, 53, 5344-5355.	1.9	45
22	G-protein-coupled estrogen receptor activation upregulates interleukin-1 receptor antagonist in the hippocampus after global cerebral ischemia: implications for neuronal self-defense. <i>Journal of Neuroinflammation</i> , 2020, 17, 45.	3.1	42
23	Brain-derived estrogen and neural function. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 132, 793-817.	2.9	41
24	Photobiomodulation Therapy Attenuates Hypoxic-Ischemic Injury in a Neonatal Rat Model. <i>Journal of Molecular Neuroscience</i> , 2018, 65, 514-526.	1.1	39
25	Non-invasive photobiomodulation treatment in an Alzheimer Disease-like transgenic rat model. <i>Theranostics</i> , 2022, 12, 2205-2231.	4.6	37
26	Methylene Blue promotes cortical neurogenesis and ameliorates behavioral deficit after photothrombotic stroke in rats. <i>Neuroscience</i> , 2016, 336, 39-48.	1.1	35
27	Intranasal Delivery of a Caspase-1 Inhibitor in the Treatment of Global Cerebral Ischemia. <i>Molecular Neurobiology</i> , 2017, 54, 4936-4952.	1.9	35
28	Proline-, glutamic acid-, and leucine-rich protein 1 mediates estrogen rapid signaling and neuroprotection in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6673-82.	3.3	33
29	Attenuation of mitochondrial and nuclear p38 β signaling: A novel mechanism of estrogen neuroprotection in cerebral ischemia. <i>Molecular and Cellular Endocrinology</i> , 2015, 400, 21-31.	1.6	32
30	Photobiomodulation preconditioning prevents cognitive impairment in a neonatal rat model of hypoxia-ischemia. <i>Journal of Biophotonics</i> , 2019, 12, e201800359.	1.1	32
31	Tert-butylhydroquinone post-treatment attenuates neonatal hypoxic-ischemic brain damage in rats. <i>Neurochemistry International</i> , 2018, 116, 1-12.	1.9	31
32	Effects of prenatal photobiomodulation treatment on neonatal hypoxic ischemia in rat offspring. <i>Theranostics</i> , 2021, 11, 1269-1294.	4.6	30
33	Reprint of "GPR30 mediates estrogen rapid signaling and neuroprotection". <i>Molecular and Cellular Endocrinology</i> , 2014, 389, 92-98.	1.6	29
34	Beneficial Effects of a CaMKII β Inhibitor TatCN21 Peptide in Global Cerebral Ischemia. <i>Journal of Molecular Neuroscience</i> , 2017, 61, 42-51.	1.1	29
35	Mitochondrial Targeted Antioxidant in Cerebral Ischemia. <i>Journal of Neurology and Neuroscience</i> , 2015, 06, .	0.4	26
36	Long-term exercise pre-training attenuates Alzheimer's disease-related pathology in a transgenic rat model of Alzheimer's disease. <i>GeroScience</i> , 2022, 44, 1457-1477.	2.1	24

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37	Combination Treatment with Methylene Blue and Hypothermia in Global Cerebral Ischemia. <i>Molecular Neurobiology</i> , 2018, 55, 2042-2055.	1.9	21
38	Photobiomodulation Therapy Attenuates Anxious-Depressive-Like Behavior in the TgF344 Rat Model. <i>Journal of Alzheimer's Disease</i> , 2021, 83, 1415-1429.	1.2	20
39	Photobiomodulation prevents PTSD-like memory impairments in rats. <i>Molecular Psychiatry</i> , 2021, 26, 6666-6679.	4.1	17
40	After Treatment with Methylene Blue is Effective against Delayed Encephalopathy after Acute Carbon Monoxide Poisoning. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018, 122, 470-480.	1.2	15
41	Photobiomodulation therapy for repeated closed head injury in rats. <i>Journal of Biophotonics</i> , 2020, 13, e201960117.	1.1	14
42	Expression of aromatase and synthesis of sex steroid hormones in skeletal muscle following exercise training in ovariectomized rats. <i>Steroids</i> , 2019, 143, 91-96.	0.8	13
43	Transcranial photobiomodulation prevents PTSD-like comorbidities in rats experiencing underwater trauma. <i>Translational Psychiatry</i> , 2021, 11, 270.	2.4	12
44	Role of Mitochondria in Neonatal Hypoxic-Ischemic Brain Injury. <i>Journal of Neuroscience and Rehabilitation</i> , 2015, 2, 1-14.	0.1	12
45	Neuron-Derived Estrogen A Key Neuromodulator in Synaptic Function and Memory. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13242.	1.8	12
46	Photobiomodulation has rejuvenating effects on aged bone marrow mesenchymal stem cells. <i>Scientific Reports</i> , 2021, 11, 13067.	1.6	10
47	Ganglioside GD3 is upregulated in microglia and regulates phagocytosis following global cerebral ischemia. <i>Journal of Neurochemistry</i> , 2021, 158, 737-752.	2.1	9
48	Aerobic exercise attenuates neurodegeneration and promotes functional recovery " Why it matters for neurorehabilitation & neural repair. <i>Neurochemistry International</i> , 2020, 141, 104862.	1.9	8
49	Delayed activation and regulation of MKK7 in hippocampal CA1 region following global cerebral ischemia in rats. <i>Life Sciences</i> , 2003, 74, 37-45.	2.0	7
50	Methylene blue post-treatment improves hypoxia-ischemic recovery in a neonatal rat model. <i>Neurochemistry International</i> , 2020, 139, 104782.	1.9	5
51	Vasopressin Signaling Buffers Synaptic Metaplasticity in a Sex-specific Manner. <i>Neuroscience Bulletin</i> , 2021, 37, 1377-1380.	1.5	1
52	Photobiomodulation in photothrombotic stroke. , 2019, , 125-138.		0