

Zheng Wei

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,986
citations

279701

23
h-index

254106

43
g-index

52
all docs

52
docs citations

52
times ranked

3162
citing authors

#	ARTICLE	IF	CITATIONS
1	Astrocytes: Implications for Neuroinflammatory Pathogenesis of Alzheimers Disease. Current Alzheimer Research, 2011, 8, 67-80.	0.7	247
2	Preconditioning Strategy in Stem Cell Transplantation Therapy. Translational Stroke Research, 2013, 4, 76-88.	2.3	171
3	Stem cell transplantation therapy for multifaceted therapeutic benefits after stroke. Progress in Neurobiology, 2017, 157, 49-78.	2.8	127
4	Regulation of therapeutic hypothermia on inflammatory cytokines, microglia polarization, migration and functional recovery after ischemic stroke in mice. Neurobiology of Disease, 2016, 96, 248-260.	2.1	109
5	Intranasal delivery of hypoxia-preconditioned bone marrow-derived mesenchymal stem cells enhanced regenerative effects after intracerebral hemorrhagic stroke in mice. Experimental Neurology, 2015, 272, 78-87.	2.0	107
6	C/EBP β regulates delta-secretase expression and mediates pathogenesis in mouse models of Alzheimer's disease. Nature Communications, 2018, 9, 1784.	5.8	91
7	Intranasal Delivery of Bone Marrow Mesenchymal Stem Cells Improved Neurovascular Regeneration and Rescued Neuropsychiatric Deficits after Neonatal Stroke in Rats. Cell Transplantation, 2015, 24, 391-402.	1.2	77
8	Optochemogenetic Stimulation of Transplanted iPS-NPCs Enhances Neuronal Repair and Functional Recovery after Ischemic Stroke. Journal of Neuroscience, 2019, 39, 6571-6594.	1.7	67
9	Neuroprotective and regenerative roles of intranasal Wnt-3a administration after focal ischemic stroke in mice. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 404-421.	2.4	66
10	Erythropoietin ameliorates early brain injury after subarachnoid haemorrhage by modulating microglia polarization via the EPOR/JAK2-STAT3 pathway. Experimental Cell Research, 2017, 361, 342-352.	1.2	62
11	Therapeutic Effects of Pharmacologically Induced Hypothermia against Traumatic Brain Injury in Mice. Journal of Neurotrauma, 2014, 31, 1417-1430.	1.7	58
12	Optogenetic stimulation of glutamatergic neuronal activity in the striatum enhances neurogenesis in the subventricular zone of normal and stroke mice. Neurobiology of Disease, 2017, 98, 9-24.	2.1	58
13	Pyruvate Kinase M2 Increases Angiogenesis, Neurogenesis, and Functional Recovery Mediated by Upregulation of STAT3 and Focal Adhesion Kinase Activities After Ischemic Stroke in Adult Mice. Neurotherapeutics, 2018, 15, 770-784.	2.1	51
14	Pharmacologically induced hypothermia attenuates traumatic brain injury in neonatal rats. Experimental Neurology, 2015, 267, 135-142.	2.0	50
15	Long-term survival and regeneration of neuronal and vasculature cells inside the core region after ischemic stroke in adult mice. Brain Pathology, 2017, 27, 480-498.	2.1	49
16	GSK-3 β Inhibition Induced Neuroprotection, Regeneration, and Functional Recovery after Intracerebral Hemorrhagic Stroke. Cell Transplantation, 2017, 26, 395-407.	1.2	45
17	Intranasally Delivered Wnt3a Improves Functional Recovery after Traumatic Brain Injury by Modulating Autophagic, Apoptotic, and Regenerative Pathways in the Mouse Brain. Journal of Neurotrauma, 2018, 35, 802-813.	1.7	44
18	Protective effects of GPR37 via regulation of inflammation and multiple cell death pathways after ischemic stroke in mice. FASEB Journal, 2019, 33, 10680-10691.	0.2	39

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19	Regulatory Role of the JNK-STAT1/3 Signaling in Neuronal Differentiation of Cultured Mouse Embryonic Stem Cells. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 881-893.	1.7	37
20	Intracranial Transplantation of Hypoxia-Preconditioned iPSC-Derived Neural Progenitor Cells Alleviates Neuropsychiatric Defects after Traumatic Brain Injury in Juvenile Rats. <i>Cell Transplantation</i> , 2016, 25, 797-809.	1.2	34
21	Cortical Transplantation of Brain-Mimetic Glycosaminoglycan Scaffolds and Neural Progenitor Cells Promotes Vascular Regeneration and Functional Recovery after Ischemic Stroke in Mice. <i>Advanced Healthcare Materials</i> , 2020, 9, e1900285.	3.9	34
22	Enhanced Neurogenesis and Collaterogenesis by Sodium Danshensu Treatment After Focal Cerebral Ischemia in Mice. <i>Cell Transplantation</i> , 2018, 27, 622-636.	1.2	29
23	Improved Therapeutic Benefits by Combining Physical Cooling With Pharmacological Hypothermia After Severe Stroke in Rats. <i>Stroke</i> , 2016, 47, 1907-1913.	1.0	26
24	Temporal Gene Expression Profiles after Focal Cerebral Ischemia in Mice. , 2018, 9, 249.		25
25	Combinatorial intranasal delivery of bone marrow mesenchymal stem cells and insulin-like growth factor-1 improves neurovascularization and functional outcomes following focal cerebral ischemia in mice. <i>Experimental Neurology</i> , 2021, 337, 113542.	2.0	24
26	Priming of the Cells: Hypoxic Preconditioning for Stem Cell Therapy. <i>Chinese Medical Journal</i> , 2017, 130, 2361-2374.	0.9	23
27	Conversion of Reactive Astrocytes to Induced Neurons Enhances Neuronal Repair and Functional Recovery After Ischemic Stroke. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 612856.	1.7	22
28	Transplantation of iPS cell-derived neural progenitors overexpressing SDF-1 α increases regeneration and functional recovery after ischemic stroke. <i>Oncotarget</i> , 2017, 8, 97537-97553.	0.8	22
29	A neuroprotective role of the NMDA receptor subunit GluN3A (NR3A) in ischemic stroke of the adult mouse. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C570-C577.	2.1	21
30	Impaired social behaviors and minimized oxytocin signaling of the adult mice deficient in the N-methyl-d-aspartate receptor GluN3A subunit. <i>Experimental Neurology</i> , 2018, 305, 1-12.	2.0	21
31	Pharmacological hypothermia induced neurovascular protection after severe stroke of transient middle cerebral artery occlusion in mice. <i>Experimental Neurology</i> , 2020, 325, 113133.	2.0	18
32	Modulation of Stem Cells as Therapeutics for Severe Mental Disorders and Cognitive Impairments. <i>Frontiers in Psychiatry</i> , 2020, 11, 80.	1.3	17
33	Desflurane and Surgery Exposure During Pregnancy Decrease Synaptic Integrity and Induce Functional Deficits in Juvenile Offspring Mice. <i>Neurochemical Research</i> , 2020, 45, 418-427.	1.6	15
34	DL-3-n-butylphthalide Increases Collateriogenesis and Functional Recovery after Focal Ischemic Stroke in Mice. , 2021, 12, 1835.		15
35	Brush macromolecules with thermo-sensitive coil backbones and pendant polypeptide side chains: synthesis, self-assembly and functionalization. <i>Polymer Chemistry</i> , 2015, 6, 1316-1324.	1.9	13
36	Manganese-electrolysed slag treatment: bioleaching of manganese by <i>Fusarium sp.</i> <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1307-1312.	1.2	12

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37	Solvent-free fabrication of proton-conducting membranes based on commercial elastomers. <i>Polymers for Advanced Technologies</i> , 2015, 26, 300-307.	1.6	11
38	Tuning Protein Dynamics to Sense Rapid Endoplasmic Reticulum Calcium Dynamics. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23289-23298.	7.2	10
39	Positively-Charged Semi-Tunnel Is a Structural and Surface Characteristic of Polyphosphate-Binding Proteins: An In-Silico Study. <i>PLoS ONE</i> , 2015, 10, e0123713.	1.1	9
40	Glial Cell-Based Vascular Mechanisms and Transplantation Therapies in Brain Vessel and Neurodegenerative Diseases. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 627682.	1.8	7
41	How Does the Male Penisfilum Enter the Female Copulatory Pore in Hangingflies?. <i>Insects</i> , 2020, 11, 123.	1.0	4
42	C/EBP β /AEP signaling couples atherosclerosis to the pathogenesis of Alzheimer's disease. <i>Molecular Psychiatry</i> , 2022, 27, 3034-3046.	4.1	4
43	Hypoxia-Primed Stem Cell Transplantation in Stroke. <i>Springer Series in Translational Stroke Research</i> , 2019, , 9-26.	0.1	3
44	Retrospective Analysis of Esophageal Foreign Body Ingestion: Differences Among Weekday, Weekends, and Holidays. <i>Risk Management and Healthcare Policy</i> , 2021, Volume 14, 2499-2506.	1.2	2
45	Tuning Protein Dynamics to Sense Rapid Endoplasmic Reticulum Calcium Dynamics. <i>Angewandte Chemie</i> , 2021, 133, 23477.	1.6	2
46	High Flow Nasal Cannula Decreased Pulmonary Complications in Neurologically Critically Ill Patients. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 801918.	1.0	2
47	Mitochondrial Mechanisms During Ischemia and Reperfusion. , 2017, , 230-234.		1
48	Long-term prognosis of patients with stroke associated with middle cerebral artery occlusion. Single-centre registration study. <i>Archives of Medical Science</i> , 2019, , .	0.4	1