Heng Zhao

List of Publications by Year
in descending order

80 papers	4,834 citations	94433 37 h-index	95266 68 g-index
81 all docs	81 docs citations	81 times ranked	4997 citing authors

#	Article	IF	Citations
1	Interrupting Reperfusion as a Stroke Therapy: Ischemic Postconditioning Reduces Infarct Size after Focal Ischemia in Rats. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 1114-1121.	4.3	301
2	Bclâ€2 overexpression protects against neuron loss within the ischemic margin following experimental stroke and inhibits cytochrome <i>c</i> translocation and caspaseâ€3 activity. Journal of Neurochemistry, 2003, 85, 1026-1036.	3.9	290
3	Akt Contributes to Neuroprotection by Hypothermia against Cerebral Ischemia in Rats. Journal of Neuroscience, 2005, 25, 9794-9806.	3.6	257
4	Phosphoinositide-3-Kinase/Akt Survival Signal Pathways Are Implicated in Neuronal Survival After Stroke. Molecular Neurobiology, 2006, 34, 249-270.	4.0	248
5	Dual roles of the MAPK/ERK1/2 cell signaling pathway after stroke. Journal of Neuroscience Research, 2008, 86, 1659-1669.	2.9	209
6	Increased Brain-Specific MiR-9 and MiR-124 in the Serum Exosomes of Acute Ischemic Stroke Patients. PLoS ONE, 2016, 11, e0163645.	2.5	184
7	Ischemic Postconditioning as a Novel Avenue to Protect against Brain Injury after Stroke. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 873-885.	4.3	176
8	The Akt signaling pathway contributes to postconditioningâ€™s protection against stroke; the protection is associated with the MAPK and PKC pathways. Journal of Neurochemistry, 2008, 105, 943-955.	3.9	156
9	Limb remote ischemic postconditioning protects against focal ischemia in rats. Brain Research, 2009, 1288, 88-94.	2.2	156
10	Preconditioning in neuroprotection: From hypoxia to ischemia. Progress in Neurobiology, 2017, 157, 79-91.	5.7	156
11	General versus Specific Actions of Mild-Moderate Hypothermia in Attenuating Cerebral Ischemic Damage. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1879-1894.	4.3	151
12	Gene transfer of HSP72 protects cornu ammonis 1 region of the hippocampus neurons from global ischemia: Influence of Bcl-2. Annals of Neurology, 2002, 52, 160-167.	5.3	123
13	Delayed Postconditioning Protects against Focal Ischemic Brain Injury in Rats. PLoS ONE, 2008, 3, e3851.	2.5	105
14	From Rapid to Delayed and Remote Postconditioning: The Evolving Concept of Ischemic Postconditioning in Brain Ischemia. Current Drug Targets, 2012, 13, 173-187.	2.1	98
15	Distinctive Effects of T Cell Subsets in Neuronal Injury Induced by Cocultured Splenocytes In Vitro and by In Vivo Stroke in Mice. Stroke, 2012, 43, 1941-1946.	2.0	97
16	Glycogen synthase kinase 3Î² inhibitor Chir025 reduces neuronal death resulting from oxygen-glucose deprivation, glutamate excitotoxicity, and cerebral ischemia. Experimental Neurology, 2004, 188, 378-386.	4.1	93
17	Bcl-2 Transfection via Herpes Simplex Virus Blocks Apoptosis-Inducing Factor Translocation after Focal Ischemia in the Rat. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 681-692.	4.3	92
18	Protective effects of ischemic postconditioning compared with gradual reperfusion or preconditioning. Journal of Neuroscience Research, 2008, 86, 2505-2511.	2.9	92

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19	PRAS40 plays a pivotal role in protecting against stroke by linking the Akt and mTOR pathways. Neurobiology of Disease, 2014, 66, 43-52.	4.4	78
20	CCR2-dependent monocytes/macrophages exacerbate acute brain injury but promote functional recovery after ischemic stroke in mice. Theranostics, 2018, 8, 3530-3543.	10.0	76
21	Biphasic Cytochrome c Release After Transient Global Ischemia and its Inhibition by Hypothermia. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 1119-1129.	4.3	75
22	The Chronic Protective Effects of Limb Remote Preconditioning and the Underlying Mechanisms Involved in Inflammatory Factors in Rat Stroke. PLoS ONE, 2012, 7, e30892.	2.5	75
23	Akt Isoforms Differentially Protect against Stroke-Induced Neuronal Injury by Regulating mTOR Activities. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1875-1885.	4.3	70
24	The Protective Effect of Ischemic Postconditioning Against Ischemic Injury: From the Heart to the Brain. Journal of NeuroImmune Pharmacology, 2007, 2, 313-318.	4.1	68
25	Screening circular RNA expression patterns following focal cerebral ischemia in mice. Oncotarget, 2017, 8, 86535-86547.	1.8	68
26	Hypoxia Inducible Factor 1Î± Plays a Key Role in Remote Ischemic Preconditioning Against Stroke by Modulating Inflammatory Responses in Rats. Journal of the American Heart Association, 2018, 7, .	3.7	67
27	Ischemic postâ€conditioning facilitates brain recovery after stroke by promoting Akt/<scp>mTOR</scp> activity in nude rats. Journal of Neurochemistry, 2013, 127, 723-732.	3.9	65
28	Mild Postischemic Hypothermia Prolongs the Time Window for Gene Therapy by Inhibiting Cytochrome c Release. Stroke, 2004, 35, 572-577.	2.0	57
29	Prokineticin 2 is an endangering mediator of cerebral ischemic injury. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5475-5480.	7.1	54
30	The Protective Effect of Early Hypothermia on PTEN Phosphorylation Correlates with Free Radical Inhibition in Rat Stroke. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1589-1600.	4.3	53
31	ÎµPKC May Contribute to the Protective Effect of Hypothermia in a Rat Focal Cerebral Ischemia Model. Stroke, 2007, 38, 375-380.	2.0	52
32	Conditions of protection by hypothermia and effects on apoptotic pathways in a rat model of permanent middle cerebral artery occlusion. Journal of Neurosurgery, 2007, 107, 636-641.	1.6	52
33	Suppression of Î´PKC Activation after Focal Cerebral Ischemia Contributes to the Protective Effect of Hypothermia. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1463-1475.	4.3	52
34	Glycyrrhizin protects against focal cerebral ischemia via inhibition of T cell activity and HMGB1-mediated mechanisms. Journal of Neuroinflammation, 2016, 13, 241.	7.2	45
35	Moderate Hypothermia Inhibits Brain Inflammation and Attenuates Strokeâ€Induced Immunodepression in Rats. CNS Neuroscience and Therapeutics, 2014, 20, 67-75.	3.9	42
36	Mammalian Target of Rapamycin Cell Signaling Pathway Contributes to the Protective Effects of Ischemic Postconditioning Against Stroke. Stroke, 2014, 45, 2769-2776.	2.0	42

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37	Barker-coded ultrasound color flow imaging: theoretical and practical design considerations. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 319-331.	3.0	40
38	Silencing the lncRNA <i>Maclpil</i> in pro-inflammatory macrophages attenuates acute experimental ischemic stroke via LCP1 in mice. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 747-759.	4.3	39
39	Gene Therapy and Hypothermia for Stroke Treatment. Annals of the New York Academy of Sciences, 2003, 993, 54-68.	3.8	37
40	The Akt Pathway Is Involved in Rapid Ischemic Tolerance in Focal Ischemia in Rats. Translational Stroke Research, 2010, 1, 202-209.	4.2	35
41	The protective effects of T cell deficiency against brain injury are ischemic model-dependent in rats. Neurochemistry International, 2013, 62, 265-270.	3.8	35
42	Real-time monitoring of the effects of normothermia and hypothermia on extracellular glutamate re-uptake in the rat following global brain ischemia. NeuroReport, 1997, 8, 2389-2392.	1.2	34
43	MKEY, a Peptide Inhibitor of CXCL4â€CCL5 Heterodimer Formation, Protects Against Stroke in Mice. Journal of the American Heart Association, 2016, 5, .	3.7	34
44	Analysis of long non-coding RNA expression profiles following focal cerebral ischemia in mice. Neuroscience Letters, 2018, 665, 123-129.	2.1	32
45	Effects of brain temperature on CBF thresholds for extracellular glutamate release and reuptake in the striatum in a rat model of graded global ischemia. NeuroReport, 1998, 9, 3183-3188.	1.2	31
46	Quantitative evaluation of extracellular glutamate concentration in postischemic glutamate re-uptake, dependent on brain temperature, in the rat following severe global brain ischemia. Brain Research, 2000, 864, 60-68.	2.2	30
47	T Cells Contribute to Stroke-Induced Lymphopenia in Rats. PLoS ONE, 2013, 8, e59602.	2.5	27
48	Myosin1f-mediated neutrophil migration contributes to acute neuroinflammation and brain injury after stroke in mice. Journal of Neuroinflammation, 2019, 16, 77.	7.2	26
49	Hypoxia-Inducible Factor 1Î± and 2Î± Have Beneficial Effects in Remote Ischemic Preconditioning Against Stroke by Modulating Inflammatory Responses in Aged Rats. Frontiers in Aging Neuroscience, 2020, 12, 54.	3.4	26
50	Characterization of mouse serum exosomal small RNA content: The origins and their roles in modulating inflammatory response. Oncotarget, 2017, 8, 42712-42727.	1.8	26
51	Remote ischemic conditioning reduced cerebral ischemic injury by modulating inflammatory responses and ERK activity in type 2 diabetic mice. Neurochemistry International, 2020, 135, 104690.	3.8	22
52	Hypothermia blocks Î²-catenin degradation after focal ischemia in rats. Brain Research, 2008, 1198, 182-187.	2.2	21
53	Limited Therapeutic Time Windows of Mild-to-Moderate Hypothermia in a Focal Ischemia Model in Rat. Stroke Research and Treatment, 2011, 2011, 1-7.	0.8	20
54	Hurdles to Clear Before Clinical Translation of Ischemic Postconditioning Against Stroke. Translational Stroke Research, 2013, 4, 63-70.	4.2	20

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55	Tim-3 cell signaling and iNOS are involved in the protective effects of ischemic postconditioning against focal ischemia in rats. Metabolic Brain Disease, 2015, 30, 483-490.	2.9	20
56	Minimal effect of brain temperature changes on glutamate release in rat following severe global brain ischemia. NeuroReport, 1998, 9, 3863-3867.	1.2	19
57	Neither L-NAME nor L-arginine changes extracellular glutamate elevation and anoxic depolarization during global ischemia and reperfusion in rat. NeuroReport, 1999, 10, 313-318.	1.2	17
58	Blocking Glucocorticoid and Enhancing Estrogenic Genomic Signaling Protects against Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 130-136.	4.3	16
59	The changes of systemic immune responses during the neuroprotection induced by remote ischemic postconditioning against focal cerebral ischemia in mice. Neurological Research, 2019, 41, 26-36.	1.3	16
60	The Protective Effects of Ischemic Postconditioning against Stroke: From Rapid to Delayed and Remote Postconditioning. The Open Drug Discovery Journal, 2011, 5, 138-147.	0.7	16
61	Intratumoral Susceptibility Signals Reflect Biomarker Status in Gliomas. Scientific Reports, 2019, 9, 17080.	3.3	15
62	Systematic Study of the Immune Components after Ischemic Stroke Using CyTOF Techniques. Journal of Immunology Research, 2020, 2020, 1-13.	2.2	14
63	Activating ÎPKC antagonizes the protective effect of ERK1/2 inhibition against stroke in rats. Brain Research, 2009, 1251, 256-261.	2.2	10
64	Inhibiting caspase-3 activity blocks beta-catenin degradation after focal ischemia in rat. NeuroReport, 2008, 19, 821-824.	1.2	9
65	Using hormetic strategies to improve ischemic preconditioning and postconditioning against stroke. International Journal of Physiology, Pathophysiology and Pharmacology, 2013, 5, 61-72.	0.8	9
66	Sult2b1 deficiency exacerbates ischemic stroke by promoting pro-inflammatory macrophage polarization in mice. Theranostics, 2021, 11, 10074-10090.	10.0	9
67	CD4 T cell deficiency attenuates ischemic stroke, inhibits oxidative stress, and enhances Akt/mTOR survival signaling pathways in mice. Chinese Neurosurgical Journal, 2018, 4, .	0.9	8
68	The underlying mechanisms involved in the protective effects of ischemic postconditioning. Conditioning Medicine, 2018, 1, 73-79.	1.3	8
69	The mTOR cell signaling pathway is crucial to the long-term protective effects of ischemic postconditioning against stroke. Neuroscience Letters, 2018, 676, 58-65.	2.1	7
70	Remote ischemic preconditioning protects against ischemic stroke in streptozotocin-induced diabetic mice via anti-inflammatory response and anti-apoptosis. Brain Research, 2019, 1724, 146429.	2.2	6
71	Reproductive Outcomes of In Vitro Fertilizationâ€"Intracytoplasmic Sperm Injection after Transcervical Resection of Adhesions: A Retrospective Cohort Study. Journal of Minimally Invasive Gynecology, 2021, 28, 1367-1374.	0.6	6
72	Lithium treatment reduces brain injury induced by focal ischemia with partial reperfusion and the protective mechanisms dispute the importance of akt activity. , 2012, 3, 226-33.		6

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73	Photoacoustic Imaging: Perylene-Diimide-Based Nanoparticles as Highly Efficient Photoacoustic Agents for Deep Brain Tumor Imaging in Living Mice (Adv. Mater. 5/2015). Advanced Materials, 2015, 27, 774-774.	21.0	4
74	Systematic Study of Immune Cell Diversity in ischemic postconditioning Using High-Dimensional Single-Cell Analysis with Mass Cytometry. , 2021, 12, 812.		3
75	Conditions of protection by hypothermia and effects on apoptotic pathways in a model of permanent middle cerebral artery occlusion. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S474-S474.	4.3	3
76	Microarray analysis of circular RNAs in HCT-8 cells infected with Cryptosporidium parvum. Parasites and Vectors, 2021, 14, 485.	2.5	1
77	The Role of Spleen-Derived Immune Cells in Ischemic Brain Injury. Springer Series in Translational Stroke Research, 2016, , 189-199.	0.1	1
78	Ischemic postconditioning for stroke treatment: current experimental advances and future directions. Conditioning Medicine, 2020, 3, 104-115.	1.3	1
79	Comment on â€œAltered Expression of Long Non-coding RNAs in Peripheral Blood Mononuclear Cells of Patients with Alzheimerâ€™s Diseaseâ€. Molecular Neurobiology, 2021, 58, 5722-5723.	4.0	0
80	The Protective Effects of Ischemic Postconditioning in Experimental Stroke. , 2013, , 317-335.		0