John H Zhang

List of Publications by Year
in descending order

729 papers	33,631 citations	4383 86 h-index	12585 132 g-index
756 all docs	756 docs citations	756 times ranked	22818 citing authors

#	Article	IF	Citations
1	Mechanisms of Early Brain Injury after Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 1341-1353.	2.4	536
2	A new grading system evaluating bleeding scale in filament perforation subarachnoid hemorrhage rat model. Journal of Neuroscience Methods, 2008, 167, 327-334.	1.3	500
3	The importance of early brain injury after subarachnoid hemorrhage. Progress in Neurobiology, 2012, 97, 14-37.	2.8	475
4	Early Brain Injury, an Evolving Frontier in Subarachnoid Hemorrhage Research. Translational Stroke Research, 2013, 4, 432-446.	2.3	409
5	Cerebral vasospasm following subarachnoid hemorrhage: time for a new world of thought. Neurological Research, 2009, 31, 151-158.	0.6	384
6	Cerebral vasospasm after subarachnoid hemorrhage: the emerging revolution. Nature Clinical Practice Neurology, 2007, 3, 256-263.	2.7	337
7	Circular RNA DLGAP4 Ameliorates Ischemic Stroke Outcomes by Targeting miR-143 to Regulate Endothelial-Mesenchymal Transition Associated with Bloodâ€“Brain Barrier Integrity. Journal of Neuroscience, 2018, 38, 32-50.	1.7	306
8	Controversies and evolving new mechanisms in subarachnoid hemorrhage. Progress in Neurobiology, 2014, 115, 64-91.	2.8	304
9	Glial Cells: Role of the Immune Response in Ischemic Stroke. Frontiers in Immunology, 2020, 11, 294.	2.2	301
10	Signaling Pathways for Early Brain Injury after Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 916-925.	2.4	280
11	Novel insight into circular RNA <i>HECTD1</i> in astrocyte activation via autophagy by targeting <i>MIR142</i>-TIPARP: implications for cerebral ischemic stroke. Autophagy, 2018, 14, 1164-1184.	4.3	276
12	Neurovascular Protection Reduces Early Brain Injury After Subarachnoid Hemorrhage. Stroke, 2004, 35, 2412-2417.	1.0	264
13	Molecular mechanisms of early brain injury after subarachnoid hemorrhage. Neurological Research, 2006, 28, 399-414.	0.6	253
14	Metamorphosis of Subarachnoid Hemorrhage Research: from Delayed Vasospasm to Early Brain Injury. Molecular Neurobiology, 2011, 43, 27-40.	1.9	252
15	RIGOR Guidelines: Escalating STAIR and STEPS for Effective Translational Research. Translational Stroke Research, 2013, 4, 279-285.	2.3	240
16	Activation of Sphingosine 1-Phosphate Receptor-1 by FTY720 Is Neuroprotective After Ischemic Stroke in Rats. Stroke, 2010, 41, 368-374.	1.0	234
17	Subarachnoid Hemorrhage. Stroke, 2009, 40, S86-7.	1.0	213
18	Response of the cerebral vasculature following traumatic brain injury. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2320-2339.	2.4	211

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19	Neuroprotective effects of hydrogen saline in neonatal hypoxiaâ€“ischemia rat model. Brain Research, 2009, 1256, 129-137.	1.1	210
20	Hydrogen therapy reduces apoptosis in neonatal hypoxiaâ€“ischemia rat model. Neuroscience Letters, 2008, 441, 167-172.	1.0	203
21	An Update on Inflammation in the Acute Phase of Intracerebral Hemorrhage. Translational Stroke Research, 2015, 6, 4-8.	2.3	201
22	Extracellular Vesicleâ€“Mediated Delivery of Circular RNA SCMH1 Promotes Functional Recovery in Rodent and Nonhuman Primate Ischemic Stroke Models. Circulation, 2020, 142, 556-574.	1.6	198
23	Comparison Evans Blue injection routes: Intravenous versus intraperitoneal, for measurement of bloodâ€“brain barrier in a mice hemorrhage model. Journal of Neuroscience Methods, 2011, 195, 206-210.	1.3	193
24	Mechanisms of Hyperbaric Oxygen-Induced Neuroprotection in a Rat Model of Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 554-571.	2.4	191
25	Neonatal Hypoxia/Ischemia Is Associated With Decreased Inflammatory Mediators After Erythropoietin Administration. Stroke, 2005, 36, 1672-1678.	1.0	188
26	The vascular neural networkâ€”a new paradigm in stroke pathophysiology. Nature Reviews Neurology, 2012, 8, 711-716.	4.9	178
27	Hydrogen-rich saline improves memory function in a rat model of amyloid-beta-induced Alzheimer's disease by reduction of oxidative stress. Brain Research, 2010, 1328, 152-161.	1.1	175
28	Role of Interleukin-1Î² in Early Brain Injury After Subarachnoid Hemorrhage in Mice. Stroke, 2009, 40, 2519-2525.	1.0	174
29	Cerebral Small Vessel Disease. Cell Transplantation, 2018, 27, 1711-1722.	1.2	169
30	MMP-9 Deficiency Enhances Collagenase-Induced Intracerebral Hemorrhage and Brain Injury in Mutant Mice. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 1133-1145.	2.4	168
31	Circular RNA <i>TLK1</i> Aggravates Neuronal Injury and Neurological Deficits after Ischemic Stroke via miR-335-3p/TIPARP. Journal of Neuroscience, 2019, 39, 7369-7393.	1.7	164
32	Fingolimod reduces cerebral lymphocyte infiltration in experimental models of rodent intracerebral hemorrhage. Experimental Neurology, 2013, 241, 45-55.	2.0	159
33	Inhibition of Apoptosis by Hyperbaric Oxygen in a Rat Focal Cerebral Ischemic Model. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 855-864.	2.4	158
34	TREM2 activation attenuates neuroinflammation and neuronal apoptosis via PI3K/Akt pathway after intracerebral hemorrhage in mice. Journal of Neuroinflammation, 2020, 17, 168.	3.1	156
35	Hydrogen-rich saline protects against intestinal ischemia/reperfusion injury in rats. Free Radical Research, 2009, 43, 478-484.	1.5	148
36	Hydrogen-Rich Saline Protects Myocardium Against Ischemia/Reperfusion Injury in Rats. Experimental Biology and Medicine, 2009, 234, 1212-1219.	1.1	143

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37	Mechanisms of Osteopontin-Induced Stabilization of Blood-Brain Barrier Disruption After Subarachnoid Hemorrhage in Rats. Stroke, 2010, 41, 1783-1790.	1.0	143
38	Plateletâ€"Leukocyteâ€"Endothelial Cell Interactions after Middle Cerebral Artery Occlusion and Reperfusion. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 907-915.	2.4	142
39	Caspase Inhibitors Prevent Endothelial Apoptosis and Cerebral Vasospasm in Dog Model of Experimental Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 419-431.	2.4	139
40	Transition of research focus from vasospasm to early brain injury after subarachnoid hemorrhage. Journal of Neurochemistry, 2012, 123, 12-21.	2.1	137
41	Neuroprotective Strategies after Neonatal Hypoxic Ischemic Encephalopathy. International Journal of Molecular Sciences, 2015, 16, 22368-22401.	1.8	135
42	P2X7R/cryopyrin inflammasome axis inhibition reduces neuroinflammation after SAH. Neurobiology of Disease, 2013, 58, 296-307.	2.1	133
43	Protein Kinase C and Cerebral Vasospasm. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 887-906.	2.4	131
44	IRE1Î± inhibition decreased TXNIP/NLRP3 inflammasome activation through miR-17-5p after neonatal hypoxicâ€"ischemic brain injury in rats. Journal of Neuroinflammation, 2018, 15, 32.	3.1	131
45	Sulforaphane protects brains against hypoxicâ€"ischemic injury through induction of Nrf2-dependent phase 2 enzyme. Brain Research, 2010, 1343, 178-185.	1.1	130
46	Advances in stroke pharmacology. , 2018, 191, 23-42.		128
47	Activation of Dopamine D2 Receptor Suppresses Neuroinflammation Through Î±B-Crystalline by Inhibition of NF-ÎºB Nuclear Translocation in Experimental ICH Mice Model. Stroke, 2015, 46, 2637-2646.	1.0	126
48	Role of AT1 receptors and NAD(P)H oxidase in diabetes-aggravated ischemic brain injury. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H2442-H2451.	1.5	124
49	Role of c-Jun N-terminal kinase in early brain injury after subarachnoid hemorrhage. Journal of Neuroscience Research, 2007, 85, 1436-1448.	1.3	122
50	Hydrogen-rich saline reduces oxidative stress and inflammation by inhibit of JNK and NF-ÎºB activation in a rat model of amyloid-beta-induced Alzheimer's disease. Neuroscience Letters, 2011, 491, 127-132.	1.0	122
51	AVE 0991 attenuates oxidative stress and neuronal apoptosis via Mas/PKA/CREB/UCP-2 pathway after subarachnoid hemorrhage in rats. Redox Biology, 2019, 20, 75-86.	3.9	121
52	Hydrogen-rich saline reduces lung injury induced by intestinal ischemia/reperfusion in rats. Biochemical and Biophysical Research Communications, 2009, 381, 602-605.	1.0	120
53	Isoflurane Posttreatment Reduces Neonatal Hypoxicâ€"Ischemic Brain Injury in Rats by the Sphingosine-1-Phosphate/Phosphatidylinositol-3-Kinase/Akt Pathway. Stroke, 2010, 41, 1521-1527.	1.0	118
54	Molecular Determinants of the Prothrombogenic and Inflammatory Phenotype Assumed by the Postischemic Cerebral Microcirculation. Stroke, 2003, 34, 1777-1782.	1.0	117

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55	Hyperbaric oxygen preconditioning induces tolerance against brain ischemiaâ€"reperfusion injury by upregulation of antioxidant enzymes in rats. Brain Research, 2008, 1210, 223-229.	1.1	117
56	Mitophagy Reduces Oxidative Stress Via Keap1 (Kelch-Like Epichlorohydrin-Associated Protein 1)/Nrf2 (Nuclear Factor-E2-Related Factor 2)/PHB2 (Prohibitin 2) Pathway After Subarachnoid Hemorrhage in Rats. Stroke, 2019, 50, 978-988.	1.0	117
57	A Novel Neuroprotectant Granulocyte-Colony Stimulating Factor. Stroke, 2006, 37, 1123-1128.	1.0	116
58	HIF-1Î± inhibition ameliorates neonatal brain injury in a rat pup hypoxicâ€"ischemic model. Neurobiology of Disease, 2008, 31, 433-441.	2.1	116
59	Down regulation of COX-2 is involved in hyperbaric oxygen treatment in a rat transient focal cerebral ischemia model. Brain Research, 2002, 926, 165-171.	1.1	115
60	Role of NADPH oxidase in the brain injury of intracerebral hemorrhage. Journal of Neurochemistry, 2005, 94, 1342-1350.	2.1	114
61	Aggf1 attenuates neuroinflammation and BBB disruption via PI3K/Akt/NF-Î°B pathway after subarachnoid hemorrhage in rats. Journal of Neuroinflammation, 2018, 15, 178.	3.1	111
62	Isoflurane Attenuates Bloodâ€"Brain Barrier Disruption in Ipsilateral Hemisphere After Subarachnoid Hemorrhage in Mice. Stroke, 2012, 43, 2513-2516.	1.0	110
63	Pathophysiology of an hypoxicâ€"ischemic insult during the perinatal period. Neurological Research, 2005, 27, 246-260.	0.6	109
64	Early inhibition of HIF-1Î± with small interfering RNA reduces ischemicâ€"reperfused brain injury in rats. Neurobiology of Disease, 2009, 33, 509-517.	2.1	109
65	Comparison of three rat models of cerebral vasospasm. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2551-H2559.	1.5	108
66	Inflammatory responses to ischemia and reperfusion in the cerebral microcirculation. Frontiers in Bioscience - Landmark, 2004, 9, 1339.	3.0	108
67	PDGFRâ€Î± inhibition preserves bloodâ€brain barrier after intracerebral hemorrhage. Annals of Neurology, 2011, 70, 920-931.	2.8	107
68	The Great Chinese Famine Leads to Shorter and Overweight Females in Chongqing Chinese Population After 50 Years. Obesity, 2010, 18, 588-592.	1.5	106
69	Mechanisms of Erythropoietin-induced Brain Protection in Neonatal Hypoxia-Ischemia Rat Model. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 259-270.	2.4	105
70	Cerebral vasospasm: looking beyond vasoconstriction. Trends in Pharmacological Sciences, 2007, 28, 252-256.	4.0	105
71	Remote Limb Ischemic Postconditioning Protects Against Neonatal Hypoxicâ€"Ischemic Brain Injury in Rat Pups by the Opioid Receptor/Akt Pathway. Stroke, 2011, 42, 439-444.	1.0	105
72	Cerebral Microvascular Responses to Hypercholesterolemia. Circulation Research, 2004, 94, 239-244.	2.0	103

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73	Matrix metalloproteinases inhibition provides neuroprotection against hypoxiaâ€ischemia in the developing brain. Journal of Neurochemistry, 2009, 111, 726-736.	2.1	103
74	Protective effects of recombinant osteopontin on early brain injury after subarachnoid hemorrhage in rats*. Critical Care Medicine, 2010, 38, 612-618.	0.4	100
75	Mechanism of ischemic tolerance induced by hyperbaric oxygen preconditioning involves upregulation of hypoxia-inducible factor-1Î± and erythropoietin in rats. Journal of Applied Physiology, 2008, 104, 1185-1191.	1.2	99
76	Mechanism of Endothelin-1â€“Induced Contraction in Rabbit Basilar Artery. Stroke, 2000, 31, 526-533.	1.0	97
77	Vasospasm and p53-Induced Apoptosis in an Experimental Model of Subarachnoid Hemorrhage. Stroke, 2006, 37, 1868-1874.	1.0	97
78	Activation of melanocortin receptor 4 with RO27-3225 attenuates neuroinflammation through AMPK/JNK/p38 MAPK pathway after intracerebral hemorrhage in mice. Journal of Neuroinflammation, 2018, 15, 106.	3.1	97
79	Hyperbaric oxygenation prevented brain injury induced by hypoxiaâ€“ischemia in a neonatal rat model. Brain Research, 2002, 951, 1-8.	1.1	96
80	Norrin Protected Bloodâ€“Brain Barrier Via Frizzled-4/Î²-Catenin Pathway After Subarachnoid Hemorrhage in Rats. Stroke, 2015, 46, 529-536.	1.0	96
81	Natural medicine in neuroprotection for ischemic stroke: Challenges and prospective. , 2020, 216, 107695.		96
82	Mechanisms of hyperbaric oxygen and neuroprotection in stroke. Pathophysiology, 2005, 12, 63-77.	1.0	95
83	Lecithinized Superoxide Dismutase Improves Outcomes and Attenuates Focal Cerebral Ischemic Injury via Antiapoptotic Mechanisms in Rats. Stroke, 2007, 38, 1057-1062.	1.0	95
84	Î±7 Nicotinic Acetylcholine Receptor Agonism Confers Neuroprotection Through GSK-3Î² Inhibition in a Mouse Model of Intracerebral Hemorrhage. Stroke, 2012, 43, 844-850.	1.0	95
85	Rodent neonatal germinal matrix hemorrhage mimics the human brain injury, neurological consequences, and post-hemorrhagic hydrocephalus. Experimental Neurology, 2012, 236, 69-78.	2.0	93
86	The evolution of molecular hydrogen: a noteworthy potential therapy with clinical significance. Medical Gas Research, 2013, 3, 10.	1.2	92
87	LRP1 activation attenuates white matter injury by modulating microglial polarization through Shc1/PI3K/Akt pathway after subarachnoid hemorrhage in rats. Redox Biology, 2019, 21, 101121.	3.9	92
88	Ezetimibe Attenuates Oxidative Stress and Neuroinflammation via the AMPK/Nrf2/TXNIP Pathway after MCAO in Rats. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-14.	1.9	92
89	Cathepsin and Calpain Inhibitor E64d Attenuates Matrix Metalloproteinase-9 Activity After Focal Cerebral Ischemia in Rats. Stroke, 2006, 37, 1888-1894.	1.0	91
90	Protective Effect of Melatonin upon Neuropathology, Striatal Function, and Memory Ability after Intracerebral Hemorrhage in Rats. Journal of Neurotrauma, 2010, 27, 627-637.	1.7	90

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91	Hyperbaric oxygen therapy and cerebral ischemia: neuroprotective mechanisms. Neurological Research, 2009, 31, 114-121.	0.6	89
92	Lipoxin A4 Reduces Inflammation Through Formyl Peptide Receptor 2/p38 MAPK Signaling Pathway in Subarachnoid Hemorrhage Rats. Stroke, 2016, 47, 490-497.	1.0	89
93	The High Cost of Stroke and Stroke Cytoprotection Research. Translational Stroke Research, 2017, 8, 307-317.	2.3	89
94	Effect of hyperbaric oxygen on striatal metabolites: a microdialysis study in awake freely moving rats after MCA occlusion. Brain Research, 2001, 916, 85-90.	1.1	88
95	Etiology of Stroke and Choice of Models. International Journal of Stroke, 2012, 7, 398-406.	2.9	88
96	Role of p53 and Apoptosis in Cerebral Vasospasm after Experimental Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 572-582.	2.4	86
97	Multiple effects of hyperbaric oxygen on the expression of HIF-1Î± and apoptotic genes in a global ischemiaâ€"hypotension rat model. Experimental Neurology, 2005, 191, 198-210.	2.0	86
98	Simvastatin attenuation of cerebral vasospasm after subarachnoid hemorrhage in rats via increased phosphorylation of Akt and endothelial nitric oxide synthase. Journal of Neuroscience Research, 2008, 86, 3635-3643.	1.3	85
99	Assessing functional outcomes following intracerebral hemorrhage in rats. Brain Research, 2009, 1280, 148-157.	1.1	85
100	Apoptotic Mechanisms for Neuronal Cells in Early Brain Injury After Subarachnoid Hemorrhage. , 2011, 110, 43-48.		85
101	Vascular Adhesion Protein-1 Inhibition Provides Antiinflammatory Protection after an Intracerebral Hemorrhagic Stroke in Mice. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 881-893.	2.4	85
102	Î±7 Nicotinic Acetylcholine Receptor Agonist PNU-282987 Attenuates Early Brain Injury in a Perforation Model of Subarachnoid Hemorrhage in Rats. Stroke, 2011, 42, 3530-3536.	1.0	85
103	Cyclooxygenase-2 Mediates Hyperbaric Oxygen Preconditioning in the Rat Model of Transient Global Cerebral Ischemia. Stroke, 2011, 42, 484-490.	1.0	85
104	Ischemic conditioning-induced endogenous brain protection: Applications pre-, per- or post-stroke. Experimental Neurology, 2015, 272, 26-40.	2.0	85
105	Role of Glibenclamide in Brain Injury After Intracerebral Hemorrhage. Translational Stroke Research, 2017, 8, 183-193.	2.3	84
106	Hyperbaric oxygen and cerebral physiology. Neurological Research, 2007, 29, 132-141.	0.6	83
107	Rosiglitazone, a PPAR gamma agonist, attenuates inflammation after surgical brain injury in rodents. Brain Research, 2008, 1215, 218-224.	1.1	83
108	Neuroprotective effect of volatile anesthetic agents: molecular mechanisms. Neurological Research, 2009, 31, 128-134.	0.6	83

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109	Therapeutic application of gene silencing MMP-9 in a middle cerebral artery occlusion-induced focal ischemia rat model. Experimental Neurology, 2009, 216, 35-46.	2.0	83
110	Axl activation attenuates neuroinflammation by inhibiting the TLR/TRAF/NF-ÎºB pathway after MCAO in rats. Neurobiology of Disease, 2018, 110, 59-67.	2.1	83
111	Sodium butyrate attenuated neuronal apoptosis via GPR41/GÎ²Î³/PI3K/Akt pathway after MCAO in rats. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 267-281.	2.4	82
112	Intracerebral Hematoma Contributes to Hydrocephalus After Intraventricular Hemorrhage via Aggravating Iron Accumulation. Stroke, 2015, 46, 2902-2908.	1.0	80
113	Traumatic subarachnoid hemorrhage: our current understanding and its evolution over the past half century. Neurological Research, 2006, 28, 445-452.	0.6	79
114	Nasal Administration of Recombinant Osteopontin Attenuates Early Brain Injury After Subarachnoid Hemorrhage. Stroke, 2013, 44, 3189-3194.	1.0	79
115	Ghrelin attenuates oxidative stress and neuronal apoptosis via GHSR-1Î±/AMPK/Sirt1/PGC-1Î±/UCP2 pathway in a rat model of neonatal HIE. Free Radical Biology and Medicine, 2019, 141, 322-337.	1.3	79
116	INT-777 attenuates NLRP3-ASC inflammasome-mediated neuroinflammation via TGR5/cAMP/PKA signaling pathway after subarachnoid hemorrhage in rats. Brain, Behavior, and Immunity, 2021, 91, 587-600.	2.0	79
117	Fibroblast growth factors preserve bloodâ€“brain barrier integrity through RhoA inhibition after intracerebral hemorrhage in mice. Neurobiology of Disease, 2012, 46, 204-214.	2.1	77
118	P2X7 Receptor Antagonism Inhibits p38 Mitogen-Activated Protein Kinase Activation and Ameliorates Neuronal Apoptosis After Subarachnoid Hemorrhage in Rats. Critical Care Medicine, 2013, 41, e466-e474.	0.4	77
119	G-CSF attenuates neuroinflammation and stabilizes the bloodâ€“brain barrier via the PI3K/Akt/GSK-3Î² signaling pathway following neonatal hypoxia-ischemia in rats. Experimental Neurology, 2015, 272, 135-144.	2.0	77
120	Dihydrolipoic Acid Inhibits Lysosomal Rupture and NLRP3 Through Lysosome-Associated Membrane Protein-1/Calcium/Calmodulin-Dependent Protein Kinase II/TAK1 Pathways After Subarachnoid Hemorrhage in Rat. Stroke, 2018, 49, 175-183.	1.0	77
121	Exendin-4 attenuates neuronal death via GLP-1R/PI3K/Akt pathway in early brain injury after subarachnoid hemorrhage in rats. Neuropharmacology, 2018, 128, 142-151.	2.0	77
122	Osteopontin Reduced Hypoxiaâ€“Ischemia Neonatal Brain Injury by Suppression of Apoptosis in a Rat Pup Model. Stroke, 2011, 42, 764-769.	1.0	76
123	Effect of hyperbaric oxygen on apoptosis in neonatal hypoxia-ischemia rat model. Journal of Applied Physiology, 2003, 95, 2072-2080.	1.2	75
124	The hyperbaric oxygen preconditioning-induced brain protection is mediated by a reduction of early apoptosis after transient global cerebral ischemia. Neurobiology of Disease, 2008, 29, 1-13.	2.1	75
125	Recombinant osteopontin in cerebral vasospasm after subarachnoid hemorrhage. Annals of Neurology, 2010, 68, 650-660.	2.8	75
126	Curcumin inhibits microglia inflammation and confers neuroprotection in intracerebral hemorrhage. Immunology Letters, 2014, 160, 89-95.	1.1	75

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127	Delayed Hyperbaric Oxygen Therapy Promotes Neurogenesis Through Reactive Oxygen Species/Hypoxia-Inducible Factor-1Î±/Î²-Catenin Pathway in Middle Cerebral Artery Occlusion Rats. Stroke, 2014, 45, 1807-1814.	1.0	75
128	MATRIX METALLOPROTEINASE INHIBITION ATTENUATES BRAIN EDEMA IN AN IN VIVO MODEL OF SURGICALLY-INDUCED BRAIN INJURY. Neurosurgery, 2007, 61, 1067-1076.	0.6	74
129	Hydrogen-Rich Saline Protects Against Spinal Cord Injury in Rats. Neurochemical Research, 2010, 35, 1111-1118.	1.6	74
130	Mechanism of RhoA/Rho kinase activation in endothelin-1- induced contraction in rabbit basilar artery. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H983-H989.	1.5	73
131	Oxygen treatment after experimental hypoxia-ischemia in neonatal rats alters the expression of HIF-1Î± and its downstream target genes. Journal of Applied Physiology, 2006, 101, 853-865.	1.2	73
132	Prodeath or prosurvival: Two facets of hypoxia inducible factor-1 in perinatal brain injury. Experimental Neurology, 2009, 216, 7-15.	2.0	73
133	HBO suppresses Nogo-A, Ng-R, or RhoA expression in the cerebral cortex after global ischemia. Biochemical and Biophysical Research Communications, 2003, 309, 368-376.	1.0	72
134	Up-regulated HIF-1Î± is involved in the hypoxic tolerance induced by hyperbaric oxygen preconditioning. Brain Research, 2008, 1212, 71-78.	1.1	72
135	Dimethyl fumarate confers neuroprotection by casein kinase 2 phosphorylation of Nrf2 in murine intracerebral hemorrhage. Neurobiology of Disease, 2015, 82, 349-358.	2.1	72
136	P2X7 Receptor Suppression Preserves Blood-Brain Barrier through Inhibiting RhoA Activation after Experimental Intracerebral Hemorrhage in Rats. Scientific Reports, 2016, 6, 23286.	1.6	72
137	Cyclooxygenase-2 inhibition provides lasting protection against neonatal hypoxic-ischemic brain injury*. Critical Care Medicine, 2010, 38, 572-578.	0.4	71
138	Transplanting Mesenchymal Stem Cells for Treatment of Ischemic Stroke. Cell Transplantation, 2018, 27, 1825-1834.	1.2	71
139	Activation of dopamine D1 receptor decreased NLRP3-mediated inflammation in intracerebral hemorrhage mice. Journal of Neuroinflammation, 2018, 15, 2.	3.1	71
140	Hypoxia Induces Autophagic Cell Death through Hypoxia-Inducible Factor 1Î± in Microglia. PLoS ONE, 2014, 9, e96509.	1.1	71
141	Apoptosis of endothelial cells in vessels affected by cerebral vasospasm. World Neurosurgery, 2000, 53, 260-266.	1.3	70
142	Inhibition of Integrin Î±vÎ²3 Ameliorates Focal Cerebral Ischemic Damage in the Rat Middle Cerebral Artery Occlusion Model. Stroke, 2006, 37, 1902-1909.	1.0	70
143	Precision Stroke Animal Models: the Permanent MCAO Model Should Be the Primary Model, Not Transient MCAO. Translational Stroke Research, 2017, 8, 397-404.	2.3	70
144	Hyperbaric Oxygen Suppresses NADPH Oxidase in a Rat Subarachnoid Hemorrhage Model. Stroke, 2006, 37, 1314-1318.	1.0	69

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145	Experimental models of subarachnoid hemorrhage for studies of cerebral vasospasm. Neurological Research, 2009, 31, 568-581.	0.6	69
146	Preservation of Tropomyosin-Related Kinase B (TrkB) Signaling by Sodium Orthovanadate Attenuates Early Brain Injury After Subarachnoid Hemorrhage in Rats. Stroke, 2011, 42, 477-483.	1.0	69
147	Macrophage-Inducible C-Type Lectin/Spleen Tyrosine Kinase Signaling Pathway Contributes to Neuroinflammation After Subarachnoid Hemorrhage in Rats. Stroke, 2015, 46, 2277-2286.	1.0	69
148	PPARÎ³-induced upregulation of CD36 enhances hematoma resolution and attenuates long-term neurological deficits after germinal matrix hemorrhage in neonatal rats. Neurobiology of Disease, 2016, 87, 124-133.	2.1	69
149	Programmed Cell Deaths and Potential Crosstalk With Bloodâ€"Brain Barrier Dysfunction After Hemorrhagic Stroke. Frontiers in Cellular Neuroscience, 2020, 14, 68.	1.8	69
150	Neuroprotective Effect of Granulocyte-Colony Stimulating Factor. Frontiers in Bioscience - Landmark, 2007, 12, 712.	3.0	69
151	Oxyhemoglobin induces caspase-mediated cell death in cerebral endothelial cells. Journal of Neurochemistry, 2001, 77, 1128-1135.	2.1	68
152	Hyperbaric Oxygen Preconditioning Attenuates Early Apoptosis after Spinal Cord Ischemia in Rats. Journal of Neurotrauma, 2009, 26, 55-66.	1.7	68
153	Hyperbaric Oxygen Reduces Infarction Volume and Hemorrhagic Transformation Through ATP/NAD ⁺ /Sirt1 Pathway in Hyperglycemic Middle Cerebral Artery Occlusion Rats. Stroke, 2017, 48, 1655-1664.	1.0	68
154	Granulocyte-colony stimulating factor inhibits apoptotic neuron loss after neonatal hypoxiaâ€"ischemia in rats. Brain Research, 2007, 1145, 227-238.	1.1	67
155	Granulocyte colony-stimulating factor protects the brain against experimental stroke via inhibition of apoptosis and inflammation. Neurological Research, 2009, 31, 167-172.	0.6	67
156	Isoflurane delays the development of early brain injury after subarachnoid hemorrhage through sphingosine-related pathway activation in mice*. Critical Care Medicine, 2012, 40, 1908-1913.	0.4	67
157	Apolipoprotein E Exerts a Whole-Brain Protective Property by Promoting M1? Microglia Quiescence After Experimental Subarachnoid Hemorrhage in Mice. Translational Stroke Research, 2018, 9, 654-668.	2.3	67
158	Minocycline Improves Functional Outcomes, Memory Deficits, and Histopathology after Endovascular Perforation-Induced Subarachnoid Hemorrhage in Rats. Journal of Neurotrauma, 2011, 28, 2503-2512.	1.7	66
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