Neuroprotection for ischemic stroke: Past, present and

Neuropharmacology

55, 363-389

DOI: 10.1016/j.neuropharm.2007.12.007

Citation Report

#	Article	IF	Citations
1	Reactive Oxygen Radicals and Pathogenesis of Neuronal Death After Cerebral Ischemia. Antioxidants and Redox Signaling, 2003, 5, 597-607.	5.4	297
2	Phospholipase A2, Hydroxyl Radicals, and Lipid Peroxidation in Transient Cerebral Ischemia. Antioxidants and Redox Signaling, 2003, 5, 647-654.	5.4	117
3	Role of Reactive Oxygen Species and Protein Kinase C in Ischemic Tolerance in the Brain. Antioxidants and Redox Signaling, 2005, 7, 1150-1157.	5.4	96
4	Electrophysiology of cerebral ischemia. Neuropharmacology, 2008, 55, 319-333.	4.1	52
5	Bioenergetics of cerebral ischemia: A cellular perspective. Neuropharmacology, 2008, 55, 289-309.	4.1	169
6	Magnetic resonance imaging in cerebral ischemia: Focus on neonates. Neuropharmacology, 2008, 55, 271-280.	4.1	41
7	Special issue on cerebral ischemia. Neuropharmacology, 2008, 55, 249.	4.1	2
9	Combination Therapy with Hypothermia for Treatment of Cerebral Ischemia. Journal of Neurotrauma, 2009, 26, 325-331.	3.4	45
10	Clinical Application of Modest Hypothermia after Spinal Cord Injury. Journal of Neurotrauma, 2009, 26, 407-415.	3.4	152
11	Use of Telemedicine to Increase Thrombolysis and Advance Care in Acute Ischemic Stroke. Cerebrovascular Diseases, 2009, 27, 9-14.	1.7	33
12	Pharmacologic Interventions for Stroke. Stroke, 2009, 40, e558-63.	2.0	78
13	B-Cell Translocation Gene 2 Is Over-Expressed in Peri-Infarct Neurons after Ischaemic Stroke. Pathobiology, 2009, 76, 129-135.	3.8	11
14	Emerging drugs for acute ischemic stroke. Expert Opinion on Emerging Drugs, 2009, 14, 33-42.	2.4	5
15	Targeting Histone Deacetylases as a Multifaceted Approach to Treat the Diverse Outcomes of Stroke. Stroke, 2009, 40, 2899-2905.	2.0	110
16	Acute toxicity and toxicokinetics of dipfluzine hydrochloride, a novel calcium channel blocker. Regulatory Toxicology and Pharmacology, 2009, 54, 66-71.	2.7	1
17	Correct assessment of new compounds using in vivo screening models can reduce false positives. Drug Discovery Today, 2009, 14, 89-94.	6.4	13
18	Two newly proposed infectious encephalitis/encephalopathy syndromes. Brain and Development, 2009, 31, 521-528.	1.1	244
19	Neuroprotective effects of N-stearoyltyrosine on transient global cerebral ischemia in gerbils. Brain Research, 2009, 1287, 146-156.	2.2	45

#	Article	IF	Citations
20	Neurotoxic lipid peroxidation species formed by ischemic stroke increase injury. Free Radical Biology and Medicine, 2009, 47, 1422-1431.	2.9	38
21	Alterations in Membrane Potential in Mitochondria Isolated from Brain Subregions During Focal Cerebral Ischemia and Early Reperfusion: Evaluation Using Flow Cytometry. Neurochemical Research, 2009, 34, 1857-1866.	3.3	16
22	Anesthetic drugs and sustained neuroprotection in acute cerebral ischemia: can we alter clinical outcomes?. Canadian Journal of Anaesthesia, 2009, 56, 883-888.	1.6	2
23	Na+ mechanism of Î´-opioid receptor induced protection from anoxic K+ leakage in the cortex. Cellular and Molecular Life Sciences, 2009, 66, 1105-1115.	5.4	43
25	Oxidative Stress and Its Role in the Pathogenesis of Ischaemic Stroke. International Journal of Stroke, 2009, 4, 461-470.	5.9	763
26	PREVENTIVE AND CURATIVE EFFECTS OF ETIFOXINE IN A RAT MODEL OF BRAIN OEDEMA. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 655-661.	1.9	8
27	SUMOylation participates in induction of ischemic tolerance. Journal of Neurochemistry, 2009, 109, 257-267.	3.9	99
28	Effect of the oligo(ethylene glycol) group on the antioxidant activity of manganese salen complexes. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 614-617.	2.2	22
29	TTC, Fluoro-Jade B and NeuN staining confirm evolving phases of infarction induced by middle cerebral artery occlusion. Journal of Neuroscience Methods, 2009, 179, 1-8.	2.5	242
30	Current Status of Neuroprotection for Cerebral Ischemia. Stroke, 2009, 40, S111-4.	2.0	251
31	Cell-Based Therapies and Functional Outcome in Experimental Stroke. Cell Stem Cell, 2009, 5, 139-140.	11.1	44
32	Whole-body periodic acceleration reduces brain damage in a focal ischemia model. Neuroscience, 2009, 158, 1390-1396.	2.3	9
33	Extracellular magnesium enhances the damage to locomotor networks produced by metabolic perturbation mimicking spinal injury in the neonatal rat spinal cord in vitro. Neuroscience, 2009, 163, 669-682.	2.3	21
34	Protracted exposure to supraphysiological levels of corticosterone does not cause neuronal loss or damage and protects against kainic acid-induced neurotoxicity in the hippocampus of C57BL/6J mice. NeuroToxicology, 2009, 30, 965-976.	3.0	5
35	Targeting eNOS and beyond: emerging heterogeneity of the role of endothelial Rho proteins in stroke protection. Expert Review of Neurotherapeutics, 2009, 9, 1171-1186.	2.8	30
36	Treatment of acute ischemic stroke: role of ischemic tolerance in intravenous and endovascular therapies. Expert Review of Cardiovascular Therapy, 2009, 7, 331-332.	1.5	6
37	Neuro-inflammation aiguÃ« et stratÃ©gies neuroprotectrices. Reanimation: Journal De La Societe De Reanimation De Langue Francaise, 2009, 18, 556-565.	0.1	2
38	Acid-base Status and Hemodynamic Stability During Propofol and Sevoflurane-based Anesthesia in Patients Undergoing Uncomplicated Intracranial Surgery. Journal of Neurosurgical Anesthesiology, 2009, 21, 112-119.	1.2	23

#	Article	IF	Citations
39	Synthesis of Lipoamino Acids and Their Activity against Cerebral Ischemic Injury. Molecules, 2009, 14, 4051-4064.	3.8	26
40	Therapeutic hypothermia. Nurs Crit Care (Ambler), 2010, 5, 10-13.	0.2	0
41	Magnesium in a Polyethylene Glycol Formulation Provides Neuroprotection After Unilateral Cervical Spinal Cord Injury. Spine, 2010, 35, 2041-2048.	2.0	28
42	Hypoxic preconditioning increases gap-junctional graft and host communication. NeuroReport, 2010, 21, 1126-1132.	1.2	28
43	Clinical Outcomes Using Modest Intravascular Hypothermia After Acute Cervical Spinal Cord Injury. Neurosurgery, 2010, 66, 670-677.	1.1	211
44	Exploring Neuroprotective Drug Therapies for Intracerebral Hemorrhage. Journal of Pharmacological Sciences, 2010, 114, 366-378.	2.5	66
45	Microglial Activation in Stroke: Therapeutic Targets. Neurotherapeutics, 2010, 7, 378-391.	4.4	328
46	Neuroprotective effect of combined hypoxia-induced VEGF and bone marrow-derived mesenchymal stem cell treatment. Child's Nervous System, 2010, 26, 323-331.	1.1	18
47	Neuroprotective Effect of DAHK Peptide in an Occlusive Model of Permanent Focal Ischemia in Rats. Neurochemical Research, 2010, 35, 343-347.	3.3	1
48	Therapeutic effects of resveratrol during acute periods following experimental ischemic stroke. Journal of Neuroimmunology, 2010, 227, 93-100.	2.3	85
49	Promoting axonal rewiring to improve outcome after stroke. Neurobiology of Disease, 2010, 37, 259-266.	4.4	213
50	Drug Repurposing for Drug Development in Stroke. Pharmacotherapy, 2010, 30, 51S-54S.	2.6	27
51	Neuroprotection in acute cerebral ischemia: Can we improve clinical outcomes?. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2010, 24, vii-x.	4.0	1
52	Perioperative neuroprotection. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2010, 24, 535-549.	4.0	15
53	Neuroprotective effects of NSTyr on cognitive function and neuronal plasticity in rats of chronic cerebral hypoperfusion. Brain Research, 2010, 1325, 183-190.	2.2	24
54	Upregulation of albumin expression in focal ischemic rat brain. Brain Research, 2010, 1327, 118-124.	2.2	25
55	Post-treatment with selective beta1 adrenoceptor antagonists provides neuroprotection against transient focal ischemia in rats. Brain Research, 2010, 1343, 213-217.	2.2	29
56	Synthesis and SOD activity of manganese complexes of substituted pyridino pentaaza macrocycles that contain axial auxiliary. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2421-2424.	2.2	9

#	Article	IF	Citations
57	Reducing excessive GABA-mediated tonic inhibition promotes functional recovery after stroke. Nature, 2010, 468, 305-309.	27.8	722
58	Issues in translating stroke recovery research from animals to humans. , 0, , 77-86.		0
59	The use of Organotypic Hippocampal Slice Cultures to Evaluate Protection by Non-competitive NMDA Receptor Antagonists against Excitotoxicity. ATLA Alternatives To Laboratory Animals, 2010, 38, 71-82.	1.0	10
61	Control of Intracellular Calcium Signaling as a Neuroprotective Strategy. Molecules, 2010, 15, 1168-1195.	3.8	52
62	Delayed Treatment with Systemic (S)-Roscovitine Provides Neuroprotection and Inhibits In Vivo CDK5 Activity Increase in Animal Stroke Models. PLoS ONE, 2010, 5, e12117.	2.5	83
63	Experimental Models for Assaying Microvascular Endothelial Cell Pathophysiology in Stroke. Molecules, 2010, 15, 9104-9134.	3.8	32
64	Neuropharmacology. , 2010, , 45-76.		3
65	In Vivo Therapeutic Gas Delivery for Neuroprotection With Echogenic Liposomes. Circulation, 2010, 122, 1578-1587.	1.6	65
66	Effective Post-insult Neuroprotection by a Novel Ca2+/ Calmodulin-dependent Protein Kinase II (CaMKII) Inhibitor. Journal of Biological Chemistry, 2010, 285, 20675-20682.	3.4	109
67	Prior use of angiotensin-converting enzyme inhibitors does not affect outcome in patients with intracerebral hemorrhage. Neurological Research, 2010, 32, 905-909.	1.3	5
68	Deferoxamine Treatment for Intracerebral Hemorrhage in Aged Rats. Stroke, 2010, 41, 375-382.	2.0	113
69	Protein-Energy Malnutrition Alters Hippocampal Plasticity-Associated Protein Expression following Global Ischemia in the Gerbil. Current Neurovascular Research, 2010, 7, 341-360.	1.1	19
70	The dual role of the neuroinflammatory response after ischemic stroke: modulatory effects of hypothermia. Journal of Neuroinflammation, 2010, 7, 74.	7.2	268
71	Effects of Hypothermia on Pharmacokinetics and Pharmacodynamics. Clinical Pharmacokinetics, 2010, 49, 277-294.	3.5	165
72	Protective effect of albumin on VEGF and brain edema in acute ischemia in rats. Neuroscience Letters, 2010, 472, 179-183.	2.1	36
73	The Science of Stroke: Mechanisms in Search of Treatments. Neuron, 2010, 67, 181-198.	8.1	1,628
74	Neuroprotective and neuroproliferative activities of NeuroAid (MLC601, MLC901), a Chinese medicine, in vitro and in vivo. Neuropharmacology, 2010, 58, 987-1001.	4.1	98
75	Post-stroke pharmacological intervention: Promoting brain recovery from injury in the future. Neuropharmacology, 2010, 59, 650-653.	4.1	14

#	Article	IF	Citations
76	Acute neuroprotection by the synaptic blocker botulinum neurotoxin E in a rat model of focal cerebral ischaemia. Neuroscience, 2010, 169, 395-401.	2.3	16
77	Synthesis and Biological Evaluation of Amidine, Guanidine, and Thiourea Derivatives of 2-Amino(6-trifluoromethoxy)benzothiazole as Neuroprotective Agents Potentially Useful in Brain Diseases. Journal of Medicinal Chemistry, 2010, 53, 734-744.	6.4	51
78	Effects of Edaravone on Muscle Atrophy and Locomotor Function in Patients with Ischemic Stroke. Drugs in R and D, 2010, 10, 155-163.	2.2	30
79	Therapeutic hypothermia for acute ischemic stroke. Expert Review of Cardiovascular Therapy, 2010, 8, 593-603.	1.5	38
80	C-Terminus of Heat Shock Cognate 70 Interacting Protein Increases Following Stroke and Impairs Survival Against Acute Oxidative Stress. Antioxidants and Redox Signaling, 2011, 14, 1787-1801.	5.4	31
81	Alternative Mitochondrial Electron Transfer as a Novel Strategy for Neuroprotection. Journal of Biological Chemistry, 2011, 286, 16504-16515.	3.4	212
82	Stroke Intervention. Journal of the American College of Cardiology, 2011, 58, 101-116.	2.8	19
83	Oxidative Stress and Bloodâ€“Brain Barrier Dysfunction Under Particular Consideration of Matrix Metalloproteinases. Antioxidants and Redox Signaling, 2011, 15, 1305-1323.	5.4	145
84	Insulin, Synaptic Function, and Opportunities for Neuroprotection. Progress in Molecular Biology and Translational Science, 2011, 98, 133-186.	1.7	39
85	Calcium Dysregulation and Homeostasis of Neural Calcium in the Molecular Mechanisms of Neurodegenerative Diseases Provide Multiple Targets for Neuroprotection. Antioxidants and Redox Signaling, 2011, 14, 1275-1288.	5.4	319
86	A new look at glutamate and ischemia: NMDA agonist improves long-term functional outcome in a rat model of stroke. Future Neurology, 2011, 6, 823-834.	0.5	58
87	Baicalin attenuates global cerebral ischemia/reperfusion injury in gerbils via anti-oxidative and anti-apoptotic pathways. Brain Research Bulletin, 2011, 85, 396-402.	3.0	148
88	C-Phycocyanin is neuroprotective against global cerebral ischemia/reperfusion injury in gerbils. Brain Research Bulletin, 2011, 86, 42-52.	3.0	72
89	Brain ischemia changes the long term response to antidepressant drugs in mice. Behavioural Brain Research, 2011, 219, 367-372.	2.2	15
90	Hyperthermia up-regulates matrix metalloproteinases and accelerates basement membrane degradation in experimental stroke. Neuroscience Letters, 2011, 495, 135-139.	2.1	17
91	Progesterone blocks multiple routes of ion flux. Molecular and Cellular Neurosciences, 2011, 48, 137-141.	2.2	30
92	Cerebral reactive oxygen species assessed by electron spin resonance spectroscopy in the initial stage of ischemiaâ€“reperfusion are not associated with hypothermic neuroprotection. Journal of Clinical Neuroscience, 2011, 18, 545-548.	1.5	14
93	Neuroprotective therapeutics for Alzheimer's disease: progress and prospects. Trends in Pharmacological Sciences, 2011, 32, 141-147.	8.7	117

#	Article	IF	Citations
94	Verapamil protects dopaminergic neuron damage through a novel anti-inflammatory mechanism by inhibition of microglial activation. Neuropharmacology, 2011, 60, 373-380.	4.1	56
95	Post stroke intervention: Is the window widening?. Neuropharmacology, 2011, 60, 1000-1002.	4.1	2
96	MLC901, a Traditional Chinese Medicine protects the brain against global ischemia. Neuropharmacology, 2011, 61, 622-631.	4.1	74
97	Ginsenoside Rd attenuates redox imbalance and improves stroke outcome after focal cerebral ischemia in aged mice. Neuropharmacology, 2011, 61, 815-824.	4.1	116
98	Ginsenoside Rd attenuates mitochondrial dysfunction and sequential apoptosis after transient focal ischemia. Neuroscience, 2011, 178, 169-180.	2.3	112
99	Free Radicals in Neurodegenerative Diseases: Modulation by Palladium Î±-Lipoic Acid Complex. , 0, , .		0
101	The role of magnesium sulfate in prevention of seizures induced by pentylenetetrazole in rats. Arquivos De Neuro-Psiquiatria, 2011, 69, 349-355.	0.8	9
102	Therapeutic Hypothermia in Stroke. Stroke Research and Treatment, 2011, 2011, 1-1.	0.8	6
103	Pharmacologic Modification of Acute Cerebral Ischemia. , 2011, , 1049-1083.		1
104	Experimental and Clinical Use of Therapeutic Hypothermia for Ischemic Stroke: Opportunities and Limitations. Stroke Research and Treatment, 2011, 2011, 1-9.	0.8	15
105	Safety and Efficacy of MLC601 in Iranian Patients after Stroke: A Double-Blind, Placebo-Controlled Clinical Trial. Stroke Research and Treatment, 2011, 2011, 1-5.	0.8	34
106	Mechanisms of neuronal injury and cerebral protection. , 0, , 33-44.		1
107	Emerging Therapies in Neurorehabilitation. CONTINUUM Lifelong Learning in Neurology, 2011, 17, 530-544.	0.8	3
108	The Role of the Blood Brain Barrier in Neurodegenerative Disorders and their Treatment. Journal of Alzheimer's Disease, 2011, 24, 643-656.	2.6	59
109	Excitotoxicityâ€induced endocytosis mediates neuroprotection by TATâ€peptideâ€linked JNK inhibitor. Journal of Neurochemistry, 2011, 119, 1243-1252.	3.9	17
110	The Parasympathetic Nervous System in the Quest for Stroke Therapeutics. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1187-1195.	4.3	86
111	High blood glutamate oxaloacetate transaminase levels are associated with good functional outcome in acute ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1387-1393.	4.3	70
112	Sex Differences in Neuroprotection Provided by Inhibition of TRPM2 Channels following Experimental Stroke. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2160-2168.	4.3	105

#	Article	IF	Citations
113	SP-8203 shows neuroprotective effects and improves cognitive impairment in ischemic brain injury through NMDA receptor. Pharmacology Biochemistry and Behavior, 2011, 100, 73-80.	2.9	18
114	Translati onal challenges of neuroprotection strategy in ischemic stroke. Translational Neuroscience, 2011, 2, .	1.4	2
115	Neuroprotective mechanisms of cerium oxide nanoparticles in a mouse hippocampal brain slice model of ischemia. Free Radical Biology and Medicine, 2011, 51, 1155-1163.	2.9	233
116	Lipoic acid protects against reperfusion injury in the early stages of cerebral ischemia. Brain Research, 2011, 1375, 128-136.	2.2	61
117	Neuroprotective effects of bilobalide are accompanied by a reduction of ischemia-induced glutamate release in vivo. Brain Research, 2011, 1425, 155-163.	2.2	32
118	NMDA receptor activity downregulates KCC2 resulting in depolarizing GABAA receptorâ€“mediated currents. Nature Neuroscience, 2011, 14, 736-743.	14.8	268
119	Characterizing Photothrombotic Distal Middle Cerebral Artery Occlusion and YAG Laser-Induced Reperfusion Model in the Izumo Strain of Spontaneously Hypertensive Rats. Cellular and Molecular Neurobiology, 2011, 31, 57-63.	3.3	5
120	Neuroprotective Potential of Biphalin, Multireceptor Opioid Peptide, Against Excitotoxic Injury in Hippocampal Organotypic Culture. Neurochemical Research, 2011, 36, 2091-2095.	3.3	25
121	Acidosis, Acid-Sensing Ion Channels, and Neuronal Cell Death. Molecular Neurobiology, 2011, 44, 350-358.	4.0	56
122	Neural Stem Cell-Based Therapy for Ischemic Stroke. Translational Stroke Research, 2011, 2, 272-278.	4.2	18
123	Ginsenoside Rd in Experimental Stroke: Superior Neuroprotective Efficacy with a Wide Therapeutic Window. Neurotherapeutics, 2011, 8, 515-525.	4.4	71
124	Free radical scavenger, edaravone, reduces the lesion size of lacunar infarction in human brain ischemic stroke. BMC Neurology, 2011, 11, 39.	1.8	56
125	Mild hypothermia causes differential, time-dependent changes in cytokine expression and gliosis following endothelin-1-induced transient focal cerebral ischemia. Journal of Neuroinflammation, 2011, 8, 60.	7.2	34
126	The Albumin in Acute Stroke (ALIAS) Multicenter Clinical Trial. Stroke, 2011, 42, 119-127.	2.0	64
127	Neuroprotective Effects and Suppression of Ischemia-induced Glutamate Elevation by Î²1-Adrenoreceptor Antagonists Administered Before Transient Focal Ischemia in Rats. Journal of Neurosurgical Anesthesiology, 2011, 23, 131-137.	1.2	26
128	CaMKII in cerebral ischemia. Acta Pharmacologica Sinica, 2011, 32, 861-872.	6.1	114
129	Current perspectives on potential role of albumin in neuroprotection. Reviews in the Neurosciences, 2011, 22, 355-363.	2.9	83
130	Functional Consequences of the Disturbances in the GABA-Mediated Inhibition Induced by Injuriesin the Cerebral Cortex. Neural Plasticity, 2011, 2011, 1-14.	2.2	37

#	Article	IF	Citations
131	Endogenous GABA _A and GABA _B receptor-mediated electrical suppression is critical to neuronal anoxia tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11274-11279.	7.1	61
132	Antioxidant Activities of Dracocephalum tanguticum Maxim Extract and Its Up-Regulation on the Expression of Neurotrophic Factors in a Rat Model of Permanent Focal Cerebral Ischemia. The American Journal of Chinese Medicine, 2011, 39, 65-81.	3.8	11
133	Differential Neuroprotection of Selective Estrogen Receptor Agonists against Autonomic Dysfunction and Ischemic Cell Death in Permanent versus Reperfusion Injury. Advances in Pharmacological Sciences, 2011, 2011, 1-9.	3.7	10
134	Middle Cerebral Artery Occlusion Model in Rodents: Methods and Potential Pitfalls. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-9.	3.0	181
135	SK2 Channels Are Neuroprotective for Ischemia-Induced Neuronal Cell Death. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2302-2312.	4.3	65
136	Glucagon-like peptide-1 receptor activation reduces ischaemic brain damage following stroke in TypeÂ2 diabetic rats. Clinical Science, 2012, 122, 473-483.	4.3	117
137	Neuroprotection for Stroke: Current Status and Future Perspectives. International Journal of Molecular Sciences, 2012, 13, 11753-11772.	4.1	169
138	A high-affinity, dimeric inhibitor of PSD-95 bivalently interacts with PDZ1-2 and protects against ischemic brain damage. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3317-3322.	7.1	162
139	An alternative approach to drug discovery for Alzheimerâ€™s disease dementia. Future Medicinal Chemistry, 2012, 4, 1681-1688.	2.3	32
140	Perisynaptic GABA Receptors: The Overzealous Protector. Advances in Pharmacological Sciences, 2012, 2012, 1-8.	3.7	20
141	Hepatocyte nuclear factor-1alpha mediated upregulation of albumin expression in focal ischemic rat brain. Neurological Research, 2012, 34, 25-31.	1.3	4
142	Tracks of a Non-Main Path Traveler. Stroke, 2012, 43, 585-590.	2.0	1
143	Nanotechnology Based Diagnostic and Therapeutic Strategies for Neuroscience with Special Emphasis on Ischemic Stroke. Current Medicinal Chemistry, 2012, 19, 744-756.	2.4	29
144	Saving the brain with therapeutic hypothermia. Nursing, 2012, 42, 59-62.	0.3	0
145	Autologous transplantation of adipose-derived mesenchymal stem cells attenuates cerebral ischemia and reperfusion injury through suppressing apoptosis and inducible nitric oxide synthase. International Journal of Molecular Medicine, 2012, 29, 848-54.	4.0	24
146	Rapid resolution of akinetic mutism in delayed post-hypoxic leukoencephalopathy with intravenous magnesium sulfate. NeuroRehabilitation, 2012, 30, 329-332.	1.3	11
147	Anthocyanins Extracted from Black Soybean Seed Coat Protect Primary Cortical Neurons against in Vitro Ischemia. Biological and Pharmaceutical Bulletin, 2012, 35, 999-1008.	1.4	23
148	Neuroprotection targeting ischemic penumbra and beyond for the treatment of ischemic stroke. Neurological Research, 2012, 34, 331-337.	1.3	53

#	Article	IF	Citations
149	Effect of tramadol on behavioral alterations and lipid peroxidation after transient forebrain ischemia in rats. Toxicology Mechanisms and Methods, 2012, 22, 674-678.	2.7	28
150	Biomedical Applications of Metal Oxide Nanoparticles. , 2012, , 57-100.		38
151	Inflammatory Cytokines in Experimental and Human Stroke. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1677-1698.	4.3	587
153	Treatment of rats with pioglitazone in the reperfusion phase of focal cerebral ischemia: A preclinical stroke trial. Experimental Neurology, 2012, 238, 243-253.	4.1	38
154	Interactions between age, sex, and hormones in experimental ischemic stroke. Neurochemistry International, 2012, 61, 1255-1265.	3.8	69
155	TRPM2 channel activation following in vitro ischemia contributes to male hippocampal cell death. Neuroscience Letters, 2012, 530, 41-46.	2.1	57
156	Magnesium Sulfate and Nimesulide Have Synergistic Effects on Rescuing Brain Damage after Transient Focal Ischemia. Journal of Neurotrauma, 2012, 29, 1518-1529.	3.4	25
157	Axonal protection achieved by blockade of sodium/calcium exchange in a new model of ischemia inÂvivo. Neuropharmacology, 2012, 63, 405-414.	4.1	6
158	Ischemic Cerebral Damage. Stroke, 2012, 43, 607-615.	2.0	215
159	Progesterone inhibition of neuronal calcium signaling underlies aspects of progesterone-mediated neuroprotection. Journal of Steroid Biochemistry and Molecular Biology, 2012, 131, 30-36.	2.5	37
160	Oxaloacetate: A novel neuroprotective for acute ischemic stroke. International Journal of Biochemistry and Cell Biology, 2012, 44, 262-265.	2.8	48
161	Progesterone pharmacokinetics in the mouse: implications for potential stroke therapy. Journal of Pharmacy and Pharmacology, 2012, 64, 1614-1620.	2.4	12
162	C-Phycocyanin protects SH-SY5Y cells from oxidative injury, rat retina from transient ischemia and rat brain mitochondria from Ca2+/phosphate-induced impairment. Brain Research Bulletin, 2012, 89, 159-167.	3.0	37
163	New synthesis and promising neuroprotective role in experimental ischemic stroke of ONO-1714. European Journal of Medicinal Chemistry, 2012, 54, 439-446.	5.5	12
164	The neurovascular unit and combination treatment strategies for stroke. Trends in Pharmacological Sciences, 2012, 33, 415-422.	8.7	125
165	The vascular neural networkâ€"a new paradigm in stroke pathophysiology. Nature Reviews Neurology, 2012, 8, 711-716.	10.1	178
166	The Imbalance of Vascular Molecules in Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 32, 699-709.	2.6	33
167	Excitotoxicity and Oxidative Stress in Acute Ischemic Stroke. , 0, , .		7

#	Article	IF	Citations
168	Pre, intra and post-ischemic hypothermic neuroprotection in temporary focal cerebral ischemia in rats: morphometric analysis. Arquivos De Neuro-Psiquiatria, 2012, 70, 609-616.	0.8	8
169	Muscone Exerts Neuroprotection in an Experimental Model of Stroke via Inhibition of the Fas Pathway. Natural Product Communications, 2012, 7, 1934578X1200700.	0.5	15
170	Ginkgo Extract EGb761 Confers Neuroprotection by Reduction of Glutamate Release in Ischemic Brain. Journal of Pharmacy and Pharmaceutical Sciences, 2012, 15, 94.	2.1	44
171	Cerebral Ischemia Induced Proteomic Alterations: Consequences for the Synapse and Organelles. , 0, , .		0
172	Understanding and Augmenting Collateral Blood Flow During Ischemic Stroke. , 2012, , .		4
173	A Clinically Relevant Rabbit Embolic Stroke Model for Acute Ischemic Stroke Therapy Development: Mechanisms and Targets. , 2012, , 541-584.		6
174	Coffee Component 3-Caffeoylquinic Acid Increases Antioxidant Capacity but not Polyphenol Content in Experimental Cerebral Infarction. Neurochemical Research, 2012, 37, 1085-1090.	3.3	6
175	Taurine-like GABA aminotransferase inhibitors prevent rabbit brain slices against oxygenâ€“glucose deprivation-induced damage. Amino Acids, 2012, 42, 2139-2147.	2.7	9
176	The role of glutamate in neuronal ischemic injury: the role of spark in fire. Neurological Sciences, 2012, 33, 223-237.	1.9	171
177	Estradiol protects against hippocampal damage and impairments in fear conditioning resulting from transient global ischemia in mice. Brain Research, 2012, 1443, 64-74.	2.2	11
178	The effect of right vagus nerve stimulation on focal cerebral ischemia: an experimental study in the rat. Brain Stimulation, 2012, 5, 1-10.	1.6	65
179	Neuroprotection for Ischaemic Stroke: Translation from the Bench to the Bedside. International Journal of Stroke, 2012, 7, 407-418.	5.9	224
180	Effects of brain death on organ quality and transplant outcome. Transplantation Reviews, 2012, 26, 54-59.	2.9	95
181	Silymarin improves the behavioural, biochemical and histoarchitecture alterations in focal ischemic rats: A comparative evaluation with piracetam and protocatachuic acid. Pharmacology Biochemistry and Behavior, 2012, 102, 286-293.	2.9	40
182	Predictive value of admission blood glucose level on short-term mortality in acute cerebral ischemia. Journal of Diabetes and Its Complications, 2012, 26, 70-76.	2.3	25
183	Wallerian degeneration slow mouse neurons are protected against cell death caused by mechanisms involving mitochondrial electron transport dysfunction. Journal of Neuroscience Research, 2012, 90, 664-671.	2.9	5
184	Neurocritical Care Nursing Research Priorities. Neurocritical Care, 2012, 16, 55-62.	2.4	15
185	Biological Networks in Ischemic Tolerance â€" Rethinking the Approach to Clinical Conditioning. Translational Stroke Research, 2013, 4, 114-129.	4.2	18

#	Article	IF	Citations
186	Magnesium treatment for neuroprotection in ischemic diseases of the brain. Experimental & Translational Stroke Medicine, 2013, 5, 6.	3.2	41
187	Engineering triiodothyronine (T3) nanoparticle for use in ischemic brain stroke. Drug Delivery and Translational Research, 2013, 3, 309-317.	5.8	66
188	Global Cerebral Ischemia: Synaptic and Cognitive Dysfunction. Current Drug Targets, 2013, 14, 20-35.	2.1	97
189	Huang-Lian-Jie-Du-Decotion induced protective autophagy against the injury of cerebral ischemia/reperfusion via MAPK-mTOR signaling pathway. Journal of Ethnopharmacology, 2013, 149, 270-280.	4.1	78
190	Disrupted Cl^{â^'} homeostasis contributes to reductions in the inhibitory efficacy of diazepam during hyperexcited states. European Journal of Neuroscience, 2013, 38, 2453-2467.	2.6	32
191	Emerging neuroprotective drugs for the treatment of acute ischaemic stroke. Expert Opinion on Emerging Drugs, 2013, 18, 109-120.	2.4	14
192	Sexually Dimorphic Response of TRPM2 Inhibition Following Cardiac Arrest-Induced Global Cerebral Ischemia in Mice. Journal of Molecular Neuroscience, 2013, 51, 92-98.	2.3	42
193	Neuroprotective Effect of Resveratrol on Ischemia/Reperfusion Injury in Rats Through TRPC6/CREB Pathways. Journal of Molecular Neuroscience, 2013, 50, 504-513.	2.3	73
194	GABAB receptor trafficking and interacting proteins: Targets for the development of highly specific therapeutic strategies to treat neurological disorders?. Biochemical Pharmacology, 2013, 86, 1525-1530.	4.4	24
195	Pathogenesis of acute stroke and the role of inflammasomes. Ageing Research Reviews, 2013, 12, 941-966.	10.9	275
196	Guidelines for the Early Management of Patients With Acute Ischemic Stroke. Stroke, 2013, 44, 870-947.	2.0	5,246
197	High-dose albumin treatment for acute ischaemic stroke (ALIAS) part 2: a randomised, double-blind, phase 3, placebo-controlled trial. Lancet Neurology, The, 2013, 12, 1049-1058.	10.2	152
198	Susceptibility to oxygen-glucose deprivation is reduced in acute hippocampal slices from euthermic Syrian golden hamsters relative to slices from Sprague-Dawley rats. Neuroscience Letters, 2013, 553, 13-17.	2.1	3
199	An in vitro study of neuroprotective properties of traditional Chinese herbal medicines thought to promote healthy ageing and longevity. BMC Complementary and Alternative Medicine, 2013, 13, 373.	3.7	23
200	Amelioration of cognitive, motor and endogenous defense functions with silymarin, piracetam and protocatechuic acid in the cerebral global ischemic rat model. Life Sciences, 2013, 93, 51-57.	4.3	39
201	Evidence and Rational Based Research on Chinese Drugs. , 2013, , .		19
202	Effects of medullary administration of a nitric oxide precursor on cardiovascular responses and neurotransmission during static exercise following ischemic stroke. Canadian Journal of Physiology and Pharmacology, 2013, 91, 510-520.	1.4	8
203	Uncoupling PSD-95 Interactions Leads to Rapid Recovery of Cortical Function after Focal Stroke. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1937-1943.	4.3	18

#	Article	IF	Citations
204	Should the STAIR Criteria Be Modified for Preconditioning Studies?. Translational Stroke Research, 2013, 4, 3-14.	4.2	15
205	A Prospective, Randomized, Placebo-Controlled, Double-Blind Trial about Safety and Efficacy of Combined Treatment with Alteplase (rt-PA) and Cerebrolysin in Acute Ischaemic Hemispheric Stroke. International Journal of Stroke, 2013, 8, 95-104.	5.9	67
206	Region-specific expression of vesicular glutamate and GABA transporters under various ischaemic conditions in mouse forebrain and retina. Neuroscience, 2013, 231, 328-344.	2.3	29
207	Epidermal growth factor and growth hormone-releasing peptide-6: Combined therapeutic approach in experimental stroke. Restorative Neurology and Neuroscience, 2013, 31, 213-223.	0.7	8
208	Inflammation and stroke. Neuroscience Letters, 2013, 548, 1-3.	2.1	14
209	The Effect of Ginkgo biloba on Functional Outcome of Patients with Acute Ischemic Stroke: A Double-blind, Placebo-controlled, Randomized Clinical Trial. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, e557-e563.	1.6	52
211	Complement component 3 inhibition by an antioxidant is neuroprotective after cerebral ischemia and reperfusion in mice. Journal of Neurochemistry, 2013, 124, 523-535.	3.9	45
212	Calmodulin Kinase <scp>IV</scp>â€“dependent <scp>CREB</scp> activation is required for neuroprotection via <scp>NMDA</scp> receptorâ€<scp>PSD</scp>95 disruption. Journal of Neurochemistry, 2013, 126, 274-287.	3.9	47
213	Differential anti-ischemic efficacy and therapeutic time window of trans- and cis-hinokiresinols: Stereo-specific antioxidant and anti-inflammatory activities. Neuropharmacology, 2013, 67, 465-475.	4.1	7
214	P2X7 receptor activation regulates microglial cell death during oxygen-glucose deprivation. Neuropharmacology, 2013, 73, 311-319.	4.1	59
215	Caspase Inhibitors. Neuroscientist, 2013, 19, 129-136.	3.5	32
216	Effects of N-stearoyl-L-tyrosine on the hippocampal ubiquitin-proteasome system in rats with chronic cerebral hypoperfusion. Neurological Research, 2013, 35, 734-743.	1.3	8
217	Neuronal Excitotoxicity after Carotid Angioplasty and Stent Placement Procedures. Radiology, 2013, 268, 515-520.	7.3	3
218	Increased expression of glutamate transporter GLT-1 in peritumoral tissue associated with prolonged survival and decreases in tumor growth in a rat model of experimental malignant glioma. Journal of Neurosurgery, 2013, 119, 878-886.	1.6	24
219	Combination treatment with progesterone and rehabilitation training further promotes behavioral recovery after acute ischemic stroke in mice. Restorative Neurology and Neuroscience, 2013, 31, 487-499.	0.7	11
220	Drugs from Natural Substances: Why Study Them in Cerebral Infarction. Cerebrovascular Diseases, 2013, 35, IV-VI.	1.7	1
221	Prevention of Post-Stroke Disuse Muscle Atrophy with a Free Radical Scavenger. Frontiers of Neurology and Neuroscience, 2013, 32, 139-147.	2.8	10
222	Spontaneous ischaemic stroke in dogs: clinical topographic similarities to humans. Acta Neurologica Scandinavica, 2013, 128, e11-e16.	2.1	10

#	Article	IF	Citations
223	A selective M₁and M₃receptor antagonist, penehyclidine hydrochloride, prevents postischemic LTP: Involvement of NMDA receptors. Synapse, 2013, 67, 865-874.	1.2	15
224	Stroke: Pathophysiology and Therapy. Colloquium Series on Integrated Systems Physiology From Molecule To Function, 2013, 5, 1-91.	0.3	0
225	Ginsenoside Rd for acute ischemic stroke: translating from bench to bedside. Expert Review of Neurotherapeutics, 2013, 13, 603-613.	2.8	31
226	Transplantation of bone marrow-derived endothelial progenitor cells attenuates cerebral ischemia and reperfusion injury by inhibiting neuronal apoptosis, oxidative stress and nuclear factor-Î¹B expression. International Journal of Molecular Medicine, 2013, 31, 91-98.	4.0	29
227	Î²-Asarone Inhibits Neuronal Apoptosis via the CaMKII/CREB/Bcl-2 Signaling Pathway in an in vitro Model and AÎ²PP/PS1 Mice. Journal of Alzheimer's Disease, 2013, 33, 863-880.	2.6	57
228	Mithramycin, an Agent for Developing New Therapeutic Drugs for Neurodegenerative Diseases. Journal of Pharmacological Sciences, 2013, 122, 251-256.	2.5	28
229	Lipoxygenase: An Emerging Target for Stroke Therapy. CNS and Neurological Disorders - Drug Targets, 2013, 12, 191-199.	1.4	39
230	Clinical translational failure in neuroprotective agents: the steps from animal experiments to clinical trials. Medical Science Monitor Basic Research, 2013, 19, 37-45.	2.6	86
231	Commentary (Research Highlights: Linking Productive Autophagy to Neuroprotection: Potential) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 298-299.	1.4	2
232	Human-Derived Physiological Heat Shock Protein 27 Complex Protects Brain after Focal Cerebral Ischemia in Mice. PLoS ONE, 2013, 8, e66001.	2.5	24
233	An Effective Solution to Discover Synergistic Drugs for Anti-Cerebral Ischemia from Traditional Chinese Medicinal Formulae. PLoS ONE, 2013, 8, e78902.	2.5	15
234	Low admission serum albumin as prognostic determinant of 30-day case fatality and adverse functional outcome following acute ischemic stroke. Pan African Medical Journal, 2013, 2, 53.	0.8	26
236	Novel Approach to the Role of NMDA Receptors in Traumatic Brain Injury. CNS and Neurological Disorders - Drug Targets, 2014, 13, 567-573.	1.4	57
237	Inflammatory Mechanisms as Potential Therapeutic Targets in Stroke. Advances in Neuroimmune Biology, 2014, 5, 199-216.	0.7	11
238	Nitric oxide signaling modulates synaptic inhibition in the superior paraolivary nucleus (SPN) via cGMP-dependent suppression of KCC2. Frontiers in Neural Circuits, 2014, 8, 65.	2.8	33
239	Brain repair: cell therapy in stroke. Stem Cells and Cloning: Advances and Applications, 2014, 7, 31.	2.3	58
240	New insights into the role of GABAergic inhibition during functional reorganization of the visual cortex post-lesion. E-Neuroforum, 2014, 20, .	0.1	0
241	The Use of ADSCs as a Treatment for Chronic Stroke. Cell Transplantation, 2014, 23, 541-547.	2.5	29

#	Article	IF	Citations
242	Protective effect of magnesium nitrate on brain ischemia. Moscow University Biological Sciences Bulletin, 2014, 69, 147-152.	0.7	0
243	Haemodilution for acute ischaemic stroke. The Cochrane Library, 2014, 2014, CD000103.	2.8	28
244	Human recombinant glutamate oxaloacetate transaminase 1 (GOT1) supplemented with oxaloacetate induces a protective effect after cerebral ischemia. Cell Death and Disease, 2014, 5, e992-e992.	6.3	56
245	Inductive and Deductive Approaches to Acute Cell Injury. International Scholarly Research Notices, 2014, 2014, 1-15.	0.9	1
246	A combination of four active compounds alleviates cerebral ischemiaâ€“reperfusion injury in correlation with inhibition of autophagy and modulation of AMPK/mTOR and JNK pathways. Journal of Neuroscience Research, 2014, 92, 1295-1306.	2.9	73
247	Increasing <scp>small conductance Ca²⁺â€activated potassium</scp> channel activity reverses ischemiaâ€induced impairment of longâ€term potentiation. European Journal of Neuroscience, 2014, 40, 3179-3188.	2.6	27
248	Multimodal Nanoprobes Evaluating Physiological Pore Size of Brain Vasculatures in Ischemic Stroke Models. Advanced Healthcare Materials, 2014, 3, 1909-1918.	7.6	14
249	Promoting Neurological Recovery in the Post-Acute Stroke Phase: Benefits and Challenges. European Neurology, 2014, 72, 317-325.	1.4	13
250	Letter to the Editor. Theoretical Medicine and Bioethics, 2014, 35, 389-394.	0.8	0
251	Changes of serum albumin level and systemic inflammatory response in inoperable non-small cell lung cancer patients after chemotherapy. Journal of Cancer Research and Therapeutics, 2014, 10, 1019.	0.9	32
252	Strategies to Improve Recovery in Acute Ischemic Stroke Patients: Iberoamerican Stroke Group Consensus. International Journal of Stroke, 2014, 9, 503-513.	5.9	17
254	Small molecule inhibitors in the treatment of cerebral ischemia. Expert Opinion on Pharmacotherapy, 2014, 15, 659-680.	1.8	3
255	Guidelines for the treatment of acute ischaemic stroke. NeurologÃa (English Edition), 2014, 29, 102-122.	0.4	37
256	Mitochondrial Dysfunction Induced by Nuclear Poly(ADP-Ribose) Polymerase-1: a Treatable Cause of Cell Death in Stroke. Translational Stroke Research, 2014, 5, 136-144.	4.2	54
257	Oligodendrocyte Pathophysiology and Treatment Strategies in Cerebral Ischemia. CNS Neuroscience and Therapeutics, 2014, 20, 603-612.	3.9	85
258	GuÃa para el tratamiento del infarto cerebral agudo. NeurologÃa, 2014, 29, 102-122.	0.7	109
259	Acute ischemic stroke in the ICU: to admit or not to admit?. Intensive Care Medicine, 2014, 40, 749-751.	8.2	20
260	Cell based therapies for ischemic stroke: From basic science to bedside. Progress in Neurobiology, 2014, 115, 92-115.	5.7	171

#	Article	IF	Citations
261	JM-20, a novel benzodiazepineâ€“dihydropyridine hybrid molecule, protects mitochondria and prevents ischemic insult-mediated neural cell death in vitro. European Journal of Pharmacology, 2014, 726, 57-65.	3.5	31
262	Vascular Mechanisms in CNS Trauma. , 2014, , .		4
263	Vascular remodeling after ischemic stroke: Mechanisms and therapeutic potentials. Progress in Neurobiology, 2014, 115, 138-156.	5.7	263
264	Neuroprotective effects of Gualou Guizhi decoction in vivo and in vitro. Journal of Ethnopharmacology, 2014, 158, 76-84.	4.1	22
265	Treatment with Actovegin improves spatial learning and memory in rats following transient forebrain ischaemia. Journal of Cellular and Molecular Medicine, 2014, 18, 1623-1630.	3.6	28
266	Real-Time Trafficking of PEGylated Liposomes in the Rodent Focal Brain Ischemia Analyzed by Positron Emission Tomography. Artificial Organs, 2014, 38, 662-666.	1.9	31
268	Hypertensive Patients Using Thiazide Diuretics as Primary Stroke Prevention Make Better Functional Outcome after Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 2414-2418.	1.6	8
269	The neuroprotective properties of the superoxide dismutase mimetic tempol correlate with its ability to reduce pathological glutamate release in a rodent model of stroke. Free Radical Biology and Medicine, 2014, 77, 168-182.	2.9	57
270	Yonkenafil: A novel phosphodiesterase type 5 inhibitor induces neuronal network potentiation by a cGMP-dependent Nogo-R axis in acute experimental stroke. Experimental Neurology, 2014, 261, 267-277.	4.1	20
271	A novel multi-target ligand (JM-20) protects mitochondrial integrity, inhibits brain excitatory amino acid release and reduces cerebral ischemia injury inÂvitro and inÂvivo. Neuropharmacology, 2014, 85, 517-527.	4.1	39
272	Intracarotid transplantation of autologous adipose-derived mesenchymal stem cells significantly improves neurological deficits in rats after MCAo. Journal of Materials Science: Materials in Medicine, 2014, 25, 1357-1366.	3.6	40
273	New insights into the role of GABAergic inhibition during functional reorganization of the visual cortex post-lesion. E-Neuroforum, 2014, 5, 12-19.	0.1	1
274	Genetic deficiency of Î²2-containing nicotinic receptors attenuates brain injury in ischemic stroke. Neuroscience, 2014, 256, 170-177.	2.3	13
275	Ginsenoside Rg1 provides neuroprotection against blood brain barrier disruption and neurological injury in a rat model of cerebral ischemia/reperfusion through downregulation of aquaporin 4 expression. Phytomedicine, 2014, 21, 998-1003.	5.3	80
276	Effects of elevated magnesium and substrate on neuronal numbers and neurite outgrowth of neural stem/progenitor cells in vitro. Neuroscience Research, 2014, 84, 72-78.	1.9	22
277	Neuroprotection by (â^')-epigallocatechin-3-gallate in a rat model of stroke is mediated through inhibition of endoplasmic reticulum stress. Molecular Medicine Reports, 2014, 9, 69-72.	2.4	59
278	Main path and byways: nonâ€vesicular glutamate release by system x_c^{â^'} as an important modifier of glutamatergic neurotransmission. Journal of Neurochemistry, 2015, 135, 1062-1079.	3.9	88
279	Biochemical investigations of the mechanism of action of small molecules ZL006 and IC87201 as potential inhibitors of the nNOS-PDZ/PSD-95-PDZ interactions. Scientific Reports, 2015, 5, 12157.	3.3	29

#	Article	IF	Citations
280	Remote ischemic preconditioning in the prevention of ischemic brain damage during intracranial aneurysm treatment (RIPAT): study protocol for a randomized controlled trial. Trials, 2015, 16, 594.	1.6	11
281	Development of a liposomal drug delivery system for the treatment of ischemic stroke. Drug Delivery System, 2015, 30, 309-316.	0.0	2
282	Targeting to acute cerebral ischemic stroke and new pathology based on materials'translocation between bloodstream and organs/tissues. Drug Delivery System, 2015, 30, 317-326.	0.0	0
283	Roles of Kinins in the Nervous System. Cell Transplantation, 2015, 24, 613-623.	2.5	24
284	Current knowledge on the neuroprotective and neuroregenerative properties of citicoline in acute ischemic stroke. Journal of Experimental Pharmacology, 2015, 7, 17.	3.2	45
285	S-Nitrosylation in Organs of Mice Exposed to Low or High Doses of Î³-Rays: The Modulating Effect of Iodine Contrast Agent at a Low Radiation Dose. Proteomes, 2015, 3, 56-73.	3.5	4
286	Histone Deacetylases Exert Class-Specific Roles in Conditioning the Brain and Heart Against Acute Ischemic Injury. Frontiers in Neurology, 2015, 6, 145.	2.4	28
287	Amelioration of Cerebral Ischemic Injury by a Synthetic Seco-nucleoside LMT497. Experimental Neurobiology, 2015, 24, 31-40.	1.6	5
288	Discovery of 3-n-butyl-2,3-dihydro-1H-isoindol-1-one as a potential anti-ischemic stroke agent. Drug Design, Development and Therapy, 2015, 9, 3377.	4.3	11
289	Human Urinary Kallidinogenase Promotes Angiogenesis and Cerebral Perfusion in Experimental Stroke. PLoS ONE, 2015, 10, e0134543.	2.5	41
290	Autophagy Upregulation and Apoptosis Downregulation in DAHP and Triptolide Treated Cerebral Ischemia. Mediators of Inflammation, 2015, 2015, 1-12.	3.0	45
291	Neuroprotective effect of Scutellaria baicalensis flavones against global ischemic model in rats. Journal of Nepal Pharmaceutical Association, 2015, 27, 1-8.	0.5	8
292	The March of Thrombolytic Therapy for Acute Ischemic Stroke to Clinical Trials: Pre-clinical Thrombolysis and Adjuncts to Thrombolysis Research. , 2015, , 27-64.		0
293	Enhancing neurogenesis and angiogenesis with target delivery of stromal cell derived factor-1Î± using a dual ionic pH-sensitive copolymer. Biomaterials, 2015, 61, 115-125.	11.4	85
294	Serum pentraxin-3 levels in acute stroke: No association with stroke prognosis. Atherosclerosis, 2015, 243, 616-620.	0.8	6
295	Etiology-based classification of brain white matter hyperintensity on magnetic resonance imaging. Journal of Medical Imaging, 2015, 2, 014002.	1.5	19
296	Weight loss: indication of brain damage and effect of combined normobaric oxygen and ethanol therapy after stroke. Neurological Research, 2015, 37, 441-446.	1.3	5
297	Pathophysiology and Neuroprotection of Global and Focal Perinatal Brain Injury: Lessons From Animal Models. Pediatric Neurology, 2015, 52, 566-584.	2.1	36

#	Article	IF	Citations
298	Neuroprotective Mechanisms of the ACE2â€“Angiotensin-(1-7)â€“Mas Axis in Stroke. Current Hypertension Reports, 2015, 17, 3.	3.5	70
299	Acute Ischemic Stroke. , 2015, , 669-683.		0
300	Magnolol derivative 002C-3 protects brain against ischemiaâ€“reperfusion injury via inhibiting apoptosis and autophagy. Neuroscience Letters, 2015, 588, 178-183.	2.1	16
301	Pirfenidone Attenuates Microglial Reactivity and Reduces Inducible Nitric Oxide Synthase mRNA Expression After Kainic Acid-Mediated Excitotoxicity in Pubescent Rat Hippocampus. Journal of Molecular Neuroscience, 2015, 56, 245-254.	2.3	8
302	General anesthetics as a factor of the effective neuroprotection in ischemic stroke models. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2015, 9, 1-9.	0.4	2
303	Neuroprotection, learning and memory improvement of a standardized extract from Renshen Shouwu against neuronal injury and vascular dementia in rats with brain ischemia. Journal of Ethnopharmacology, 2015, 165, 118-126.	4.1	25
304	Senkyunolide I protects rat brain against focal cerebral ischemiaâ€“reperfusion injury by up-regulating p-Erk1/2, Nrf2/HO-1 and inhibiting caspase 3. Brain Research, 2015, 1605, 39-48.	2.2	73
305	Neuroanesthesia and Cerebrospinal Protection. , 2015, , .		3
306	Preconditioning effect of (S)-3,5-dihydroxyphenylglycine on ischemic injury in middle cerebral artery occluded Sprague–Dawley rats. Neuroscience Letters, 2015, 588, 137-141.	2.1	2
307	Salvaging brain ischemia by increasing neuroprotectant uptake via nanoagonist mediated blood brain barrier permeability enhancement. Biomaterials, 2015, 66, 9-20.	11.4	24
308	Pravastatin acute neuroprotective effects depend on blood brain barrier integrity in experimental cerebral ischemia. Brain Research, 2015, 1615, 31-41.	2.2	10
309	Caveolae: molecular insights and therapeutic targets for stroke. Expert Opinion on Therapeutic Targets, 2015, 19, 633-650.	3.4	34
310	Supportive or detrimental roles of P2Y receptors in brain pathology?â€”The two faces of P2Y receptors in stroke and neurodegeneration detected in neural cell and in animal model studies. Purinergic Signalling, 2015, 11, 441-454.	2.2	19
311	Partially purified components of Uncaria sinensis attenuate blood brain barrier disruption after ischemic brain injury in mice. BMC Complementary and Alternative Medicine, 2015, 15, 157.	3.7	10
312	Current approaches to enhance glutamate transporter function and expression. Journal of Neurochemistry, 2015, 134, 982-1007.	3.9	121
313	Treatment of stroke with liposomal neuroprotective agents under cerebral ischemia conditions. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 97, 1-7.	4.3	51
314	Cornel iridoid glycoside reduces infarct size measured by magnetic resonance imaging and improves neurological function after focal cerebral ischemia in rats. Chinese Journal of Integrative Medicine, 2015, , 1.	1.6	0
315	Chlorogenic acid, a polyphenol in coffee, protects neurons against glutamate neurotoxicity. Life Sciences, 2015, 139, 69-74.	4.3	83

#	Article	IF	Citations
316	Nanomedicines and stroke: Toward translational research. Journal of Drug Delivery Science and Technology, 2015, 30, 278-299.	3.0	12
317	Paeoniflorin, a Monoterpene Glycoside, Protects the Brain from Cerebral Ischemic Injury via Inhibition of Apoptosis. The American Journal of Chinese Medicine, 2015, 43, 543-557.	3.8	36
318	Reactive oxygen species-activated nanomaterials as theranostic agents. Nanomedicine, 2015, 10, 2709-2723.	3.3	69
319	Genomic approach to selective vulnerability of the hippocampus in brain ischemiaâ€“hypoxia. Neuroscience, 2015, 309, 259-279.	2.3	98
320	Telestroke: Delivery and Design. , 2015, , 195-226.		0
322	Targeted Delivery of Extracellular Matrix Protected against Neurologic Defects after Focal Ischemia Reperfusion in Rats. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 154-162.	1.6	4
323	NADPH Oxidase-2: Linking Glucose, Acidosis, and Excitotoxicity in Stroke. Antioxidants and Redox Signaling, 2015, 22, 161-174.	5.4	47
324	Neuroprotection for ischaemic stroke: Current status and challenges. , 2015, 146, 23-34.		190
325	Neuroprotective Effect of Oxaloacetate in a Focal Brain Ischemic Model in the Rat. Cellular and Molecular Neurobiology, 2015, 35, 17-22.	3.3	18
326	Immune System Involvement in the Degeneration, Neuroprotection, and Restoration after Stroke. , 0, , .		2
327	mTOR. , 2016, , 105-122.		6
328	Computational Trials: Unraveling Motility Phenotypes, Progression Patterns, and Treatment Options for Glioblastoma Multiforme. PLoS ONE, 2016, 11, e0146617.	2.5	20
329	A statistical model for stroke outcome prediction and treatment planning. , 2016, 2016, 2516-2519.		1
330	Computer modeling of ischemic stroke. Drug Discovery Today: Disease Models, 2016, 19, 77-83.	1.2	6
331	Chapter 21 Transcranial Low-Level Laser (Light) Therapy for Stroke and Traumatic Brain Injury in Animal Models. , 2016, , 371-402.		0
332	The role of Akt (protein kinase B) and protein kinase C in ischemiaâ€“reperfusion injury. Neurological Research, 2016, 38, 301-308.	1.3	44
333	Neuroprotection against cerebral ischemia/reperfusion injury by intravenous administration of liposomal fasudil. International Journal of Pharmaceutics, 2016, 506, 129-137.	5.2	58
334	Neuroprotection in acute stroke: targeting excitotoxicity, oxidative and nitrosative stress, and inflammation. Lancet Neurology, The, 2016, 15, 869-881.	10.2	842

#	Article	IF	Citations
335	Combining neuroprotective agents: effect of riluzole and magnesium in a rat model of thoracic spinal cord injury. Spine Journal, 2016, 16, 1015-1024.	1.3	25
336	Suppression of ischaemia-induced injuries in rat brain by protease-activated receptor-1 (PAR-1) activating peptide. European Journal of Pharmacology, 2016, 786, 36-46.	3.5	4
337	Neuroprotective effect of epidermal growth factor plus growth hormone-releasing peptide-6 resembles hypothermia in experimental stroke. Neurological Research, 2016, 38, 950-958.	1.3	7
338	Neuroprotective Properties of a Macrolide Antibiotic in a Mouse Model of Middle Cerebral Artery Occlusion: Characterization of the Immunomodulatory Effects and Validation of the Efficacy of Intravenous Administration. Assay and Drug Development Technologies, 2016, 14, 298-307.	1.2	21
339	Application of Nanomedicine to the CNS Diseases. International Review of Neurobiology, 2016, 130, 73-113.	2.0	17
340	Diosgenin attenuates the brain injury induced by transient focal cerebral ischemia-reperfusion in rats. Steroids, 2016, 113, 103-112.	1.8	26
341	Anesthesia for Endovascular Approaches to Acute Ischemic Stroke. Anesthesiology Clinics, 2016, 34, 497-509.	1.4	5
342	Neuroprotective effect of a novel Chinese herbal decoction on cultured neurons and cerebral ischemic rats. BMC Complementary and Alternative Medicine, 2016, 16, 437.	3.7	24
343	Expanding the concept of neuroprotection for acute ischemic stroke: The pivotal roles of reperfusion and the collateral circulation. Progress in Neurobiology, 2016, 145-146, 46-77.	5.7	69
344	Nicotinamide mononucleotide inhibits post-ischemic NAD+ degradation and dramatically ameliorates brain damage following global cerebral ischemia. Neurobiology of Disease, 2016, 95, 102-110.	4.4	86
345	The Good and Bad Sides of NAAG. Advances in Pharmacology, 2016, 76, 311-349.	2.0	8
346	Non-invasive evaluation of neuroprotective drug candidates for cerebral infarction by PET imaging of mitochondrial complex-I activity. Scientific Reports, 2016, 6, 30127.	3.3	13
347	Imaging Taurine in the Central Nervous System Using Chemically Specific X-ray Fluorescence Imaging at the Sulfur K-Edge. Analytical Chemistry, 2016, 88, 10916-10924.	6.5	19
348	Structural Alterations to the Endothelial Tight Junction Complex During Stroke. Springer Series in Translational Stroke Research, 2016, , 3-23.	0.1	1
349	Acyl Ghrelin Improves Synapse Recovery in an In Vitro Model of Postanoxic Encephalopathy. Molecular Neurobiology, 2016, 53, 6136-6143.	4.0	12
350	Pharmacological hypothermia: a potential for future stroke therapy?. Neurological Research, 2016, 38, 478-490.	1.3	32
351	C1q propagates microglial activation and neurodegeneration in the visual axis following retinal ischemia/reperfusion injury. Molecular Neurodegeneration, 2016, 11, 24.	10.8	65
352	Drug repurposing for immune modulation in acute ischemic stroke. Current Opinion in Pharmacology, 2016, 26, 124-130.	3.5	45

#	Article	IF	Citations
353	Cerebrolysin dose-dependently improves neurological outcome in rats after acute stroke: A prospective, randomized, blinded, and placebo-controlled study. International Journal of Stroke, 2016, 11, 347-355.	5.9	22
354	Systematic review of survival time in experimental mouse stroke with impact on reliability of infarct estimation. Journal of Neuroscience Methods, 2016, 261, 10-18.	2.5	1
355	Pharmacologic Modification of Acute Cerebral Ischemia. , 2016, , 916-936.e5.		0
356	Tissue plasminogen activator followed by antioxidant-loaded nanoparticle delivery promotes activation/mobilization of progenitor cells in infarcted rat brain. Biomaterials, 2016, 81, 169-180.	11.4	69
357	Combining Normobaric Oxygen with Ethanol or Hypothermia Prevents Brain Damage from Thromboembolic Stroke via PKC-Akt-NOX Modulation. Molecular Neurobiology, 2017, 54, 1263-1277.	4.0	31
358	Protein Profile and Morphological Alterations in Penumbra after Focal Photothrombotic Infarction in the Rat Cerebral Cortex. Molecular Neurobiology, 2017, 54, 4172-4188.	4.0	45
359	Regulation of <scp>mRNA</scp> following brain ischemia and reperfusion. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1415.	6.4	15
360	Neuroprotection Is Technology, Not Science. Springer Series in Translational Stroke Research, 2017, , 95-122.	0.1	0
361	Targeting PSD-95 as a Novel Approach in the Treatment of Stroke. Springer Series in Translational Stroke Research, 2017, , 157-184.	0.1	1
362	The identification and molecular mechanism of anti-stroke traditional Chinese medicinal compounds. Scientific Reports, 2017, 7, 41406.	3.3	14
363	Combination therapy with liposomal neuroprotectants and tissue plasminogen activator for treatment of ischemic stroke. FASEB Journal, 2017, 31, 1879-1890.	0.5	88
364	Targeting Oxidative Stress in Stroke. Springer Series in Translational Stroke Research, 2017, , 203-250.	0.1	8
365	Neuroprotective effects of a novel peptide, FK18, under oxygen-glucose deprivation in SH-SY5Y cells and retinal ischemia in ratsÂviaÂthe Akt pathway. Neurochemistry International, 2017, 108, 78-90.	3.8	24
366	ZL006 protects spinal cord neurons against ischemia-induced oxidative stress through AMPK-PGC-1Î±-Sirt3 pathway. Neurochemistry International, 2017, 108, 230-237.	3.8	36
367	Neuroprotection in the Treatment of Acute Ischemic Stroke. Progress in Cardiovascular Diseases, 2017, 59, 542-548.	3.1	126
368	TRPC Channels and Stroke. Advances in Experimental Medicine and Biology, 2017, 976, 61-71.	1.6	4
369	Neuroprotective delivery platforms as an adjunct to mechanical thrombectomy. Neurosurgical Focus, 2017, 42, E4.	2.3	28
370	Neuroprotective strategies and the underlying molecular basis of cerebrovascular stroke. Neurosurgical Focus, 2017, 42, E3.	2.3	60

#	Article	IF	Citations
371	A polymeric micelle magnetic resonance imaging (MRI) contrast agent reveals bloodâ€“brain barrier (BBB) permeability for macromolecules in cerebral ischemia-reperfusion injury. Journal of Controlled Release, 2017, 253, 165-171.	9.9	39
372	UPEI-400, a conjugate of lipoic acid and scopoletin, mediates neuroprotection in a rat model of ischemia/reperfusion. Food and Chemical Toxicology, 2017, 100, 175-182.	3.6	17
373	Methylene blue improves streptozotocin-induced memory deficit by restoring mitochondrial function in rats. Brain Research, 2017, 1657, 208-214.	2.2	22
374	Increasing National Institutes of Health Funding for Cardiac Arrest Research. Journal of the American Heart Association, 2017, 6, .	3.7	0
375	Disrupted Ionic Homeostasis in Ischemic Stroke and New Therapeutic Targets. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 2706-2719.	1.6	53
376	Excitatory and inhibitory amino acid neurotransmitters in stroke: from neurotoxicity to ischemic tolerance. Current Opinion in Pharmacology, 2017, 35, 111-119.	3.5	58
377	Glial GABA Transporters as Modulators of Inhibitory Signalling in Epilepsy and Stroke. Advances in Neurobiology, 2017, 16, 137-167.	1.8	21
379	Is age a key factor contributing to the disparity between success of neuroprotective strategies in young animals and limited success in elderly stroke patients? Focus on protein homeostasis. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3318-3324.	4.3	29
380	Neuroprotection of bradykinin/bradykinin B2 receptor system in cerebral ischemia. Biomedicine and Pharmacotherapy, 2017, 94, 1057-1063.	5.6	22
381	Isosteviol Sodium Protects Against Permanent Cerebral Ischemia Injury in Mice via Inhibition of NF-Î²Bâ€“Mediated Inflammatory and Apoptotic Responses. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 2603-2614.	1.6	37
382	Effects of standard ethanolic extract from Erythrina velutina in acute cerebral ischemia in mice. Biomedicine and Pharmacotherapy, 2017, 96, 1230-1239.	5.6	27
383	Protective effect of electroacupuncture on neurons autophagy in perfusion period of cerebral ischemia. Neuroscience Letters, 2017, 661, 41-45.	2.1	14
384	Profiling of Signaling Proteins in Penumbra After Focal Photothrombotic Infarct in the Rat Brain Cortex. Molecular Neurobiology, 2017, 54, 6839-6856.	4.0	42
385	Neuroprotective Effect of Low Frequency-Pulsed Electromagnetic Fields in Ischemic Stroke. Applied Biochemistry and Biotechnology, 2017, 181, 1360-1371.	2.9	32
386	Ionotropic glutamate receptors: Still exciting after all these years. Neuropharmacology, 2017, 112, 1-3.	4.1	2
387	Low-Frequency Intracortical Electrical Stimulation Decreases Sensorimotor Cortex Hyperexcitability in the Acute Phase of Ischemic Stroke. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1287-1296.	4.9	3
388	The Protective Effect of Cluster of Differentiation 39 Overexpression in Ischemic Stroke. Neurosurgery, 2017, 81, N46-N47.	1.1	0
389	Multifunctional Effects of Human Serum Albumin Toward Neuroprotection in AlzheimerÂDisease. , 2017, , 217-238.		4

#	Article	IF	Citations
390	Astragaloside IV for Experimental Focal Cerebral Ischemia: Preclinical Evidence and Possible Mechanisms. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-13.	4.0	63
391	Repeated Oral Administration of Human Serum Albumin Protects from the Cerebral Ischemia in Rat Brain Following MCAO. Experimental Neurobiology, 2017, 26, 151-157.	1.6	11
392	Cerebrolysin for functional recovery in patients with acute ischemic stroke: a meta-analysis of randomized controlled trials. Drug Design, Development and Therapy, 2017, Volume 11, 1273-1282.	4.3	16
393	Nasal administration of the neuroprotective candidate NeuroEPO to healthy volunteers: a randomized, parallel, open-label safety study. BMC Neurology, 2017, 17, 129.	1.8	23
394	Adjudin-preconditioned neural stem cells enhance neuroprotection after ischemia reperfusion in mice. Stem Cell Research and Therapy, 2017, 8, 248.	5.5	29
395	An Evolutionary Facelift: Varied Cranial Vaults of Early Homo sapiens. Neurosurgery, 2017, 81, N47-N48.	1.1	0
396	Excitotoxicity and Stroke. , 2017, , 234-239.		0
397	Supporting recovery from brain injury. Science, 2018, 360, 30-31.	12.6	6
398	Human Ischaemic Cascade Studies Using SH-SY5Y Cells: a Systematic Review and Meta-Analysis. Translational Stroke Research, 2018, 9, 564-574.	4.2	33
399	Endogenous Neuronal Replacement in the Juvenile Brain Following Cerebral Ischemia. Neuroscience, 2018, 380, 1-13.	2.3	9
400	Acid sphingomyelinase promotes mitochondrial dysfunction due to glutamate-induced regulated necrosis. Journal of Lipid Research, 2018, 59, 312-329.	4.2	55
401	Delivery of xenon-containing echogenic liposomes inhibits early brain injury following subarachnoid hemorrhage. Scientific Reports, 2018, 8, 450.	3.3	36
402	Photothrombotic Stroke as a Model of Ischemic Stroke. Translational Stroke Research, 2018, 9, 437-451.	4.2	95
403	The role of rosemary extract in degeneration of hippocampal neurons induced by kainic acid in the rat: AÂbehavioral and histochemical approach. Journal of Integrative Neuroscience, 2018, 17, 31-43.	1.7	13
404	Central nervous system diseases and Scutellaria: a review of current mechanism studies. Biomedicine and Pharmacotherapy, 2018, 102, 185-195.	5.6	19
405	Pharmacologically increasing collateral perfusion during acute stroke using a carboxyhemoglobin gas transfer agent (Sanguinateâ„¢) in spontaneously hypertensive rats. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 755-766.	4.3	33
406	The Orally Active Noncompetitive AMPAR Antagonist Perampanel Attenuates Focal Cerebral Ischemia Injury in Rats. Cellular and Molecular Neurobiology, 2018, 38, 459-466.	3.3	26
407	Clonidine preconditioning improved cerebral ischemia-induced learning and memory deficits in rats via ERK1/2-CREB/ NF-Î°B-NR2B pathway. European Journal of Pharmacology, 2018, 818, 167-173.	3.5	16

#	Article	IF	Citations
408	Neuronal Rho GTPase Rac1 elimination confers neuroprotection in a mouse model of permanent ischemic stroke. Brain Pathology, 2018, 28, 569-580.	4.1	15
409	Nanoparticleâ€Based Therapeutics for Brain Injury. Advanced Healthcare Materials, 2018, 7, 1700668.	7.6	93
410	Drugs to Alter Extracellular Concentration of Glutamate: Modulators of Glutamate Uptake Systems. Neuromethods, 2018, , 169-225.	0.3	1
411	Co-administration of liposomal fasudil and tissue plasminogen activator ameliorated ischemic brain damage in occlusion model rats prepared by photochemically induced thrombosis. Biochemical and Biophysical Research Communications, 2018, 495, 873-877.	2.1	20
412	Identification of Novel Allosteric Modulators of Glutamate Transporter EAAT2. ACS Chemical Neuroscience, 2018, 9, 522-534.	3.5	51
413	Quantitative highâ€throughput screening identifies cytoprotective molecules that enhance SUMO conjugation via the inhibition of SUMOâ€specific protease (SENP)2. FASEB Journal, 2018, 32, 1677-1691.	0.5	29
414	Inhibition of GABA transporters fails to afford significant protection following focal cerebral ischemia. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 166-173.	4.3	6
415	Interdisciplinary Advances Towards Understanding and Enhancing the Therapeutic Potential of Stem Cell-Based Therapies for Ischaemic Stroke. Springer Series in Translational Stroke Research, 2018, , 21-45.	0.1	0
416	Multicellular Crosstalk Between Exosomes and the Neurovascular Unit After Cerebral Ischemia. Therapeutic Implications. Frontiers in Neuroscience, 2018, 12, 811.	2.8	122
417	IS THERE ANY BENEFIT OF CITICOLINE FOR ACUTE ISCHEMIC STROKE ? SYSTEMATIC REVIEW OF CURRENT EVIDENCES. Journal of Critical Reviews, 0, , 11-14.	0.1	0
418	Neonatal Stroke: Clinical Presentation, Imaging, Treatment, and Prognosis. , 2018, , 2251-2286.		0
419	Cerebral ischaemia/reperfusion injury could be managed by using tramadol. Neurological Research, 2018, 40, 774-784.	1.3	5
420	Classification and Molecular Aspects of Neurotraumatic Diseases. , 2018, , 1-40.		1
421	Immunological and non-immunological effects of stem cell-derived extracellular vesicles on the ischaemic brain. Therapeutic Advances in Neurological Disorders, 2018, 11, 175628641878932.	3.5	24
422	Refocusing Neuroprotection in Cerebral Reperfusion Era: New Challenges and Strategies. Frontiers in Neurology, 2018, 9, 249.	2.4	69
423	Reframing the Biological Basis of Neuroprotection Using Functional Genomics: Differentially Weighted, Time-Dependent Multifactor Pathogenesis of Human Ischemic Brain Damage. Frontiers in Neurology, 2018, 9, 497.	2.4	6
424	Paradigm Shift to Neuroimmunomodulation for Translational Neuroprotection in Stroke. Frontiers in Neuroscience, 2018, 12, 241.	2.8	17
425	Neuroprotective Effects of Bioactive Compounds and MAPK Pathway Modulation in â€œischemiaâ€â€”Stressed PC12 Pheochromocytoma Cells. Brain Sciences, 2018, 8, 32.	2.3	24

#	Article	IF	Citations
426	AMPA Receptor Antagonist Perampanel Ameliorates Post-Stroke Functional and Cognitive Impairments. Neuroscience, 2018, 386, 256-264.	2.3	34
427	Opportunities in posthemorrhagic hydrocephalus research: outcomes of the Hydrocephalus Association Posthemorrhagic Hydrocephalus Workshop. Fluids and Barriers of the CNS, 2018, 15, 11.	5.0	35
428	Targeting NMDA receptors in stroke: new hope in neuroprotection. Molecular Brain, 2018, 11, 15.	2.6	217
429	Translating experimental evidence to finding novel ways to promote motor recovery in stroke patients â€“ a review. Restorative Neurology and Neuroscience, 2018, 36, 519-533.	0.7	1
430	Involvement of Epigenetic Mechanisms and Non-coding RNAs in Blood-Brain Barrier and Neurovascular Unit Injury and Recovery After Stroke. Frontiers in Neuroscience, 2019, 13, 864.	2.8	39
431	Neuroprotective Effects of Musk of Muskrat on Transient Focal Cerebral Ischemia in Rats. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-6.	1.2	12
432	Microglial TREM-1 receptor mediates neuroinflammatory injury via interaction with SYK in experimental ischemic stroke. Cell Death and Disease, 2019, 10, 555.	6.3	148
433	Nanocatalytic Medicine. Advanced Materials, 2019, 31, e1901778.	21.0	396
434	Transcranial photobiomodulation for stroke in animal models. , 2019, , 113-123.		0
435	DHA-Enriched Formulations as a Promising Strategy for the Treatment of Hypoxic/Ischemic Brain Injury. , 2019, , 391-401.		0
436	Central Nervous System Drug Delivery After Ischemic or Hemorrhagic Stroke. , 2019, , 473-500.		2
437	Novel Positive Allosteric Modulators of Glutamate Transport Have Neuroprotective Properties in an in Vitro Excitotoxic Model. ACS Chemical Neuroscience, 2019, 10, 3437-3453.	3.5	27
438	Severity of White Matter Hyperintensities and Effects on All-Cause Mortality in the Mayo Clinic Florida Familial Cerebrovascular Diseases Registry. Mayo Clinic Proceedings, 2019, 94, 408-416.	3.0	22
439	Possible involvement of PI3K/AKT/mTOR signaling pathway in the protective effect of selegiline (deprenyl) against memory impairment following ischemia reperfusion in rat. Neuropeptides, 2019, 77, 101942.	2.2	17
440	Acute Therapies for Stroke. , 2019, , 315-332.		0
441	Uric acid therapy for vasculoprotection in acute ischemic stroke. Brain Circulation, 2019, 5, 55.	1.8	27
442	Anxiolytic-like and proneurogenic effects of Trichilia catigua ethyl-acetate fraction in mice with cerebral ischemia. Revista Brasileira De Farmacognosia, 2019, 29, 613-620.	1.4	2
443	Effect of remote ischemic preconditioning on cerebral vasospasm and biomarkers of cerebral ischemia in aneurysmal subarachnoid hemorrhage (ERVAS): A protocol for a randomized, controlled pilot trial. Brain Circulation, 2019, 5, 12.	1.8	6

#	Article	IF	Citations
444	Endothelial Targets in Stroke. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2240-2247.	2.4	42
445	Effects of a new magnesium-rich artificial cerebrospinal fluid on contractile 5-hydroxytryptamine and endothelin receptors in rat cerebral arteries. Neurological Research, 2019, 41, 1015-1023.	1.3	0
446	Suppression of Cerebral Ischemia/Reperfusion Injury by Efficient Release of Encapsulated Ifenprodil From Liposomes Under Weakly Acidic pH Conditions. Journal of Pharmaceutical Sciences, 2019, 108, 3823-3830.	3.3	5
447	Storax Protected Oxygen-Glucose Deprivation/Reoxygenation Induced Primary Astrocyte Injury by Inhibiting NF-Î²B Activation in vitro. Frontiers in Pharmacology, 2018, 9, 1527.	3.5	20
448	Chondroitinase improves anatomical and functional outcomes after primate spinal cord injury. Nature Neuroscience, 2019, 22, 1269-1275.	14.8	98
449	Fluid Management for Neurocritical Care. , 2019, , 45-62.		1
450	Moringa oleifera seed extract protects against brain damage in both the acute and delayed stages of ischemic stroke. Experimental Gerontology, 2019, 122, 99-108.	2.8	23
451	The effect of aging on brain injury and recovery after stroke. Neurobiology of Disease, 2019, 126, 1-2.	4.4	3
452	Enhanced Migration of Bone Marrow-Derived Mesenchymal Stem Cells with Tetramethylpyrazine and Its Synergistic Effect on Angiogenesis and Neurogenesis After Cerebral Ischemia in Rats. Stem Cells and Development, 2019, 28, 871-881.	2.1	29
453	Applications of Liposomal Drug Delivery Systems to Develop Neuroprotective Agents for the Treatment of Ischemic Stroke. Biological and Pharmaceutical Bulletin, 2019, 42, 319-326.	1.4	33
454	Anti-inflammatory Effects of Traditional Chinese Medicines on Preclinical in vivo Models of Brain Ischemia-Reperfusion-Injury: Prospects for Neuroprotective Drug Discovery and Therapy. Frontiers in Pharmacology, 2019, 10, 204.	3.5	33
455	Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries. Lecture Notes in Computer Science, 2019, , .	1.3	8
456	Gastrodin pretreatment alleviates rat brain injury caused by cerebral ischemic-reperfusion. Brain Research, 2019, 1712, 207-216.	2.2	31
457	Membrane transporters in traumatic brain injury: Pathological, pharmacotherapeutic, and developmental implications. Experimental Neurology, 2019, 317, 10-21.	4.1	5
458	V-Net and U-Net for Ischemic Stroke Lesion Segmentation in a Small Dataset of Perfusion Data. Lecture Notes in Computer Science, 2019, , 301-309.	1.3	8
459	Effects of Conivaptan versus Mannitol on Post-Ischemic Brain Injury and Edema. Eurasian Journal of Medicine, 2019, 51, 42-48.	0.6	4
460	Epigenetic Mechanisms of Ischemic Stroke. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2019, 13, 289-300.	0.6	2
461	Nonautonomous dynamics of acute cell injury. Physical Review E, 2019, 100, 052407.	2.1	0

#	Article	IF	Citations
462	Azithromycin Affords Neuroprotection in Rat Undergone Transient Focal Cerebral Ischemia. Frontiers in Neuroscience, 2019, 13, 1256.	2.8	15
463	Catalpol Enhances Neurogenesis And Inhibits Apoptosis Of New Neurons Via BDNF, But Not The BDNF/Trkb Pathway . Drug Design, Development and Therapy, 2019, Volume 13, 4145-4157.	4.3	22
464	Recent Advances in Mono- and Combined Stem Cell Therapies of Stroke in Animal Models and Humans. International Journal of Molecular Sciences, 2019, 20, 6029.	4.1	26
465	Mitochondria and neuroprotection in stroke: Cationic arginine-rich peptides (CARPs) as a novel class of mitochondria-targeted neuroprotective therapeutics. Neurobiology of Disease, 2019, 121, 17-33.	4.4	37
466	Inhibition of calcium/calmodulinâ€dependent protein kinase kinase (Ca MKK) exacerbates impairment of endothelial cell and bloodâ€“brain barrier after stroke. European Journal of Neuroscience, 2019, 49, 27-39.	2.6	28
467	Achyranthes bidentata polypeptide k improves long-term neurological outcomes through reducing downstream microvascular thrombosis in experimental ischemic stroke. Brain Research, 2019, 1706, 166-176.	2.2	14
468	Astrocyte-specific deletion of Kir6.1/K-ATP channel aggravates cerebral ischemia/reperfusion injury through endoplasmic reticulum stress in mice. Experimental Neurology, 2019, 311, 225-233.	4.1	24
469	GAT3 selective substrate <scp>l</scp>-isoserine upregulates GAT3 expression and increases functional recovery after a focal ischemic stroke in mice. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 74-88.	4.3	20
470	The flavonoid, 2â€²-methoxy-6-methylflavone, affords neuroprotection following focal cerebral ischaemia. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1266-1282.	4.3	18
471	Scorpion Venom Heat-Resistant Peptide is Neuroprotective against Cerebral Ischemia-Reperfusion Injury in Association with the NMDA-MAPK Pathway. Neuroscience Bulletin, 2020, 36, 243-253.	2.9	20
472	Considering risk factors for the effectiveness of translational therapies in brain stroke. Journal of the Neurological Sciences, 2020, 408, 116547.	0.6	2
473	Heat shock protein 27 as a neuroprotective biomarker and a suitable target for stem cell therapy and pharmacotherapy in ischemic stroke. Cell Biology International, 2020, 44, 356-367.	3.0	15
474	Mild stimulation improves neuronal survival in an in vitro model of the ischemic penumbra. Journal of Neural Engineering, 2020, 17, 016001.	3.5	15
475	Developing Inhibitors of the p47phoxâ€“p22phox Proteinâ€“Protein Interaction by Fragment-Based Drug Discovery. Journal of Medicinal Chemistry, 2020, 63, 1156-1177.	6.4	25
476	Withanolide a penetrates brain via intra-nasal administration and exerts neuroprotection in cerebral ischemia reperfusion injury in mice. Xenobiotica, 2020, 50, 957-966.	1.1	12
477	PDZ/PDZ interaction between PSDâ€95 and nNOS neuronal proteins. Journal of Molecular Recognition, 2020, 33, e2826.	2.1	10
478	Endothelin-1-Induced Ischemic Damage and Functional Impairment Is Mediated Primarily by NR2B-Containing NMDA Receptors. Neurotoxicity Research, 2020, 37, 349-355.	2.7	6
479	Microglial V-set and immunoglobulin domain-containing 4 protects against ischemic stroke in mice by suppressing TLR4-regulated inflammatory response. Biochemical and Biophysical Research Communications, 2020, 522, 560-567.	2.1	17

#	Article	IF	Citations
480	Release rate is a key variable affecting the therapeutic effectiveness of liposomal fasudil for the treatment of cerebral ischemia/reperfusion injury. Biochemical and Biophysical Research Communications, 2020, 531, 622-627.	2.1	4
481	Tomentosin inhibit cerebral ischemia/reperfusion induced inflammatory response via TLR4/ NLRP3 signalling pathway â€“ in vivo and in vitro studies. Biomedicine and Pharmacotherapy, 2020, 131, 110697.	5.6	13
482	Head Mild Hypothermia Exerts a Neuroprotective Role in Ischemiaâ€“Reperfusion Injury by Maintaining Glial Glutamate Transporter 1. Therapeutic Hypothermia and Temperature Management, 2021, 11, 155-163.	0.9	4
483	Novel humanin analogs confer neuroprotection and myoprotection to neuronal and myoblast cell cultures exposed to ischemia-like and doxorubicin-induced cell death insults. Peptides, 2020, 134, 170399.	2.4	7
484	Excitotoxicity: Still Hammering the Ischemic Brain in 2020. Frontiers in Neuroscience, 2020, 14, 579953.	2.8	117
485	Nanomedicine for Ischemic Stroke. International Journal of Molecular Sciences, 2020, 21, 7600.	4.1	52
486	Potential Drug Candidates to Treat TRPC6 Channel Deficiencies in the Pathophysiology of Alzheimerâ€™s Disease and Brain Ischemia. Cells, 2020, 9, 2351.	4.1	14
487	Sustained blood glutamate scavenging enhances protection in ischemic stroke. Communications Biology, 2020, 3, 729.	4.4	13
488	Neuroprotective Effects of Activated Protein C Involve the PARP/AIF Pathway against Oxygen-Glucose Deprivation in SH-SY5Y Cells. Brain Sciences, 2020, 10, 959.	2.3	3
489	iTRAQ-based proteomic analysis after mesenchymal stem cell line transplantation for ischemic stroke. Brain Research, 2020, 1742, 146900.	2.2	5
490	Modulation of Cerebral Store-operated Calcium Entry-regulatory Factor (SARAF) and Peripheral Orai1 Following Focal Cerebral Ischemia and Preconditioning in Mice. Neuroscience, 2020, 441, 8-21.	2.3	16
491	Purines: From Diagnostic Biomarkers to Therapeutic Agents in Brain Injury. Neuroscience Bulletin, 2020, 36, 1315-1326.	2.9	16
492	Gadolinium-Based Neuroprognostic Magnetic Resonance Imaging Agents Suppress COX-2 for Prevention of Reperfusion Injury after Stroke. Journal of Medicinal Chemistry, 2020, 63, 6909-6923.	6.4	5
493	miR-339 Promotes Hypoxia-Induced Neuronal Apoptosis and Impairs Cell Viability by Targeting FGF9/CACNG2 and Mediating MAPK Pathway in Ischemic Stroke. Frontiers in Neurology, 2020, 11, 436.	2.4	9
494	Molecular and Pharmacological Modulation of CALHM1 Promote Neuroprotection against Oxygen and Glucose Deprivation in a Model of Hippocampal Slices. Cells, 2020, 9, 664.	4.1	11
495	Novel Targets for Stroke Therapy: Special Focus on TRPC Channels and TRPC6. Frontiers in Aging Neuroscience, 2020, 12, 70.	3.4	15
496	1H NMR metabolomic profiling elucidated attenuation of neurometabolic alterations by lercanidipine in MCAo model in rats. Journal of Pharmacy and Pharmacology, 2020, 72, 816-825.	2.4	9
497	Neuroprotection by Phytoestrogens in the Model of Deprivation and Resupply of Oxygen and Glucose In Vitro: The Contribution of Autophagy and Related Signaling Mechanisms. Antioxidants, 2020, 9, 545.	5.1	13

#	Article	IF	Citations
498	Injectable hydrogel enables local and sustained co-delivery to the brain: Two clinically approved biomolecules, cyclosporine and erythropoietin, accelerate functional recovery in rat model of stroke. Biomaterials, 2020, 235, 119794.	11.4	44
499	Resilience to Injury: A New Approach to Neuroprotection?. Neurotherapeutics, 2020, 17, 457-474.	4.4	6
500	Hypoxia-inducible factor (HIF) prolyl hydroxylase inhibitors induce autophagy and have a protective effect in an in-vitro ischaemia model. Scientific Reports, 2020, 10, 1597.	3.3	34
501	Brain-Derived Neurotrophic Factor and Its Potential Therapeutic Role in Stroke Comorbidities. Neural Plasticity, 2020, 2020, 1-13.	2.2	68
502	NMDARs in Cell Survival and Death: Implications in Stroke Pathogenesis and Treatment. Trends in Molecular Medicine, 2020, 26, 533-551.	6.7	61
503	Emerging neuroprotective strategies for the treatment of ischemic stroke: An overview of clinical and preclinical studies. Experimental Neurology, 2021, 335, 113518.	4.1	308
504	Impact of aging and comorbidities on ischemic stroke outcomes in preclinical animal models: A translational perspective. Experimental Neurology, 2021, 335, 113494.	4.1	32
505	Stroke core revealed by tissue scattering using spatial frequency domain imaging. NeuroImage: Clinical, 2021, 29, 102539.	2.7	7
506	Targeted nano-delivery strategies for facilitating thrombolysis treatment in ischemic stroke. Drug Delivery, 2021, 28, 357-371.	5.7	27
507	Adjuvant High-Flow Normobaric Oxygen After Mechanical Thrombectomy for Anterior Circulation Stroke: a Randomized Clinical Trial. Neurotherapeutics, 2021, 18, 1188-1197.	4.4	15
508	Neuroprotection Following Stroke. , 2021, , .		0
509	Effect of remote ischemic preconditioning on cerebral vasospasm, biomarkers of cerebral ischemia, and functional outcomes in aneurysmal subarachnoid hemorrhage (ERVAS): A randomized controlled pilot trial. Brain Circulation, 2021, 7, 104.	1.8	13
510	LIM kinase inhibitor T56-LIMKi protects mouse brain from photothrombotic stroke. Brain Injury, 2021, 35, 490-500.	1.2	2
511	Restoration of early deficiency of axonal guidance signaling by guanxinning injection as a novel therapeutic option for acute ischemic stroke. Pharmacological Research, 2021, 165, 105460.	7.1	6
512	Neuroprotective effect of hypoxic preconditioning and neuronal activation in a in vitro human model of the ischemic penumbra. Journal of Neural Engineering, 2021, 18, 036016.	3.5	19
513	The 100 mostâ€cited articles about the role of neurovascular unit in stroke 2001â€“2020: A bibliometric analysis. CNS Neuroscience and Therapeutics, 2021, 27, 743-752.	3.9	8
514	Targeting GABAC Receptors Improves Post-Stroke Motor Recovery. Brain Sciences, 2021, 11, 315.	2.3	8
515	Protective effects of peptide FK18 against neuroâ€excitotoxicity in SHâ€SY5Y cells. Experimental and Therapeutic Medicine, 2021, 21, 451.	1.8	5

#	Article	IF	Citations
516	Clinical perspectives on ischemic stroke. Experimental Neurology, 2021, 338, 113599.	4.1	14
517	Nanomaterials in Cerebrovascular Disease Diagnose and Treatment. Particle and Particle Systems Characterization, 2021, 38, 2000311.	2.3	3
518	Neurotrophin-3 upregulation associated with intravenous transplantation of bone marrow mononuclear cells induces axonal sprouting and motor functional recovery in the long term after neocortical ischaemia. Brain Research, 2021, 1758, 147292.	2.2	0
519	Icariin enhance mild hypothermia-induced neuroprotection via inhibiting the activation of NF-ÎºB in experimental ischemic stroke. Metabolic Brain Disease, 2021, 36, 1779-1790.	2.9	17
520	New Approaches in Nanomedicine for Ischemic Stroke. Pharmaceutics, 2021, 13, 757.	4.5	19
521	Therapeutic Potential of Cytokines in Demyelinating Lesions After Stroke. Journal of Molecular Neuroscience, 2021, 71, 2035-2052.	2.3	4
522	Modeling Microglia Activation and Inflammation-Based Neuroprotectant Strategies During Ischemic Stroke. Bulletin of Mathematical Biology, 2021, 83, 72.	1.9	3
523	The Role of NF-ÎºB Triggered Inflammation in Cerebral Ischemia. Frontiers in Cellular Neuroscience, 2021, 15, 633610.	3.7	26
524	Multimodal Optical Imaging to Investigate Spatiotemporal Changes in Cerebrovascular Function in AUDA Treatment of Acute Ischemic Stroke. Frontiers in Cellular Neuroscience, 2021, 15, 655305.	3.7	2
525	Inadvertent hypothermia after endovascular therapy is not associated with improved outcome in stroke due to anterior circulation large vessel occlusion. European Journal of Neurology, 2021, 28, 2479-2487.	3.3	1
526	Using Human Genetics to Understand Mechanisms in Ischemic Stroke Outcome: From Early Brain Injury to Long-Term Recovery. Stroke, 2021, 52, 3013-3024.	2.0	14
527	Establishing a high throughput drug screening system for cerebral ischemia using zebrafish larvae. Journal of Pharmacological Sciences, 2021, 147, 138-142.	2.5	8
528	Serum albumin was negatively associated with diabetic peripheral neuropathy inÂChineseÂpopulation: a cross-sectional study. Diabetology and Metabolic Syndrome, 2021, 13, 100.	2.7	8
529	Energy metabolism and redox status of the glutathione system in experimental brain ischemia and its correction by metabolic neuroprotectors. Proceedings of the National Academy of Sciences of Belarus, Medical Series, 2021, 18, 274-283.	0.1	0
530	LncRNA ITSN1-2 knockdown inhibits OGD/R-induced inflammation and apoptosis in mouse hippocampal neurons via sponging miR-195-5p. NeuroReport, 2021, 32, 1325-1334.	1.2	4
531	The Need for New Biomarkers to Assist with Stroke Prevention and Prediction of Post-Stroke Therapy Based on Plasma-Derived Extracellular Vesicles. Biomedicines, 2021, 9, 1226.	3.2	13
532	Traumatic brain injury induces region-specific glutamate metabolism changes as measured by multiple mass spectrometry methods. IScience, 2021, 24, 103108.	4.1	16
533	Pharmacologic Modification of Acute Cerebral Ischemia. , 2022, , 831-851.e6.		0

#	Article	IF	Citations
534	GABAB receptor antagonist promotes hippocampal neurogenesis and facilitates cognitive function recovery following acute cerebral ischemia in mice. Stem Cell Research and Therapy, 2021, 12, 22.	5.5	13
535	Oral Pioglitazone Reduces Infarction Volume and Improves Neurologic Function Following MCAO in Rats. Advances in Experimental Medicine and Biology, 2011, 701, 157-162.	1.6	7
536	Cellular Therapy for Ischemic Stroke. , 2012, , 777-814.		1
537	A New Future in Brain Preconditioning Based on Nutraceuticals: A Focus on Î±-Linolenic Omega-3 Fatty Acid for Stroke Protection. , 2013, , 133-163.		4
538	Endogenous Kynurenic Acid and Neurotoxicity. , 2014, , 421-453.		5
539	Clinical Trials with Drugs Targeting Ionic Channels, Antiporters, and Pumps in Ischemic Stroke. , 2009, , 225-249.		1
540	Metabolic Reflow as a Therapy for Ischemic Brain Injury. , 2011, 110, 87-91.		3
541	Chinese Herbal Medicines for Neuroprotection in Ischemic Stroke: Promise and Reality. , 2013, , 363-395.		2
542	Cell Therapy and Structural Plasticity Following Cerebral Ischemia. , 2013, , 3-14.		1
543	Brain Protection in Neuropsychiatric Disorders: Past, Present and Future Challenges. , 2010, , 3-25.		2
544	Oxygen Sensitive Synaptic Neurotransmission in Anoxia-Tolerant Turtle Cerebrocortex. Advances in Experimental Medicine and Biology, 2012, 758, 71-79.	1.6	14
545	Vascular Diseases of the Nervous System. , 2008, , 1165-1223.		7
546	Vascular Diseases of the Nervous System. , 2012, , 1003-1053.		4
547	Glutamate, Microdialysis, and Cerebral Ischemia. Anesthesiology, 2009, 110, 422-425.	2.5	19
548	Dose Effect Evaluation and Therapeutic Window of the Neuro-EPO Nasal Application for the Treatment of the Focal Ischemia Model in the Mongolian Gerbil. Scientific World Journal, The, 2012, 2012, 1-12.	2.1	11
549	Structure, Function, and Pharmacology of Glutamate Receptor Ion Channels. Pharmacological Reviews, 2021, 73, 1469-1658.	16.0	237
550	Inhibition of TRPC6 degradation suppresses ischemic brain damage in rats. Journal of Clinical Investigation, 2010, 120, 3480-3492.	8.2	113
551	Biochanin A Provides Neuroprotection Against Cerebral Ischemia/Reperfusion Injury by Nrf2-Mediated Inhibition of Oxidative Stress and Inflammation Signaling Pathway in Rats. Medical Science Monitor, 2019, 25, 8975-8983.	1.1	58

#	Article	IF	Citations
552	Mapacalcine Protects Mouse Neurons against Hypoxia by Blocking Cell Calcium Overload. PLoS ONE, 2013, 8, e66194.	2.5	4
553	Effect of Cardiac Arrest on Cognitive Impairment and Hippocampal Plasticity in Middle-Aged Rats. PLoS ONE, 2015, 10, e0124918.	2.5	54
554	Post-Stroke Longitudinal Alterations of Inter-Hemispheric Correlation and Hemispheric Dominance in Mouse Pre-Motor Cortex. PLoS ONE, 2016, 11, e0146858.	2.5	16
555	Pericyte-Mediated Tissue Repair through PDGFRÎ² Promotes Peri-Infarct Astrogliosis, Oligodendrogenesis, and Functional Recovery after Acute Ischemic Stroke. ENeuro, 2020, 7, ENEURO.0474-19.2020.	1.9	49
559	PKC and CaMK-II inhibitions coordinately rescue ischemia-induced GABAergic neuron dysfunction. Oncotarget, 2017, 8, 39309-39322.	1.8	9
560	Targeting Microglial Activation in Stroke Therapy: Pharmacological Tools and Gender Effects. Current Medicinal Chemistry, 2014, 21, 2146-2155.	2.4	69
561	PPARs: A Potential Target for a Disease-Modifying Strategy in Stroke. Current Drug Targets, 2013, 14, 752-767.	2.1	23
562	Combination of Therapeutic Hypothermia and Other Neuroprotective Strategies after An Ischemic Cerebral Insult. Current Neuropharmacology, 2014, 12, 399-412.	2.9	22
563	Implications of Epigenetic Mechanisms and their Targets in Cerebral Ischemia Models. Current Neuropharmacology, 2017, 15, 815-830.	2.9	33
564	Ras Family Small GTPase-Mediated Neuroprotective Signaling in Stroke. Central Nervous System Agents in Medicinal Chemistry, 2011, 11, 114-137.	1.1	20
565	Neuroprotective strategies for acute ischemic stroke: recent progress and future perspectives. Precision and Future Medicine, 2017, 1, 115-121.	1.6	7
566	The role of rosemary extract (40% carnosic acid) in degeneration of hippocampal neurons induced by kainic acid in the rat:The behavioral and histochemical approach. Journal of Integrative Neuroscience, 2018, 17, 19-25.	1.7	11
567	Treadmill exercise promotes neurogenesis and myelin repair via upregulating Wnt/Î²â€˜catenin signaling pathways in the juvenile brain following focal cerebral ischemia/reperfusion. International Journal of Molecular Medicine, 2020, 45, 1447-1463.	4.0	28
568	Pretreatment with Danhong injection protects the brain against ischemia-reperfusion injury. Neural Regeneration Research, 2014, 9, 1453.	3.0	19
569	Electroacupuncture improves neurovascular unit reconstruction by promoting collateral circulation and angiogenesis. Neural Regeneration Research, 2017, 12, 2000.	3.0	20
570	Constraint-induced movement therapy enhances angiogenesis and neurogenesis after cerebral ischemia/reperfusion. Neural Regeneration Research, 2019, 14, 1743.	3.0	24
571	Single-nucleotide polymorphism screening and RNA sequencing of key messenger RNAs associated with neonatal hypoxic-ischemia brain damage. Neural Regeneration Research, 2020, 15, 86.	3.0	13
572	Vascular Dysfunction in Brain Hemorrhage: Translational Pathways to Developing New Treatments from Old Targets. Journal of Neurology & Neurophysiology, 2011, 01, .	0.1	11

#	Article	IF	Citations
573	Hyperglycemia as a Risk Factor of Ischemic Stroke. Journal of Drug Metabolism & Toxicology, 2013, 04, .	0.1	24
574	The Ethical Implications for Humans in Light of the Poor Predictive Value of Animal Models. International Journal of Clinical Medicine, 2014, 05, 966-1005.	0.2	4
575	Synthesis and SOD Activity of Manganese Complexes of Pentaaza Macrocycles Containing Amino- and Guanidino-auxiliary. Bulletin of the Korean Chemical Society, 2011, 32, 3787-3789.	1.9	5
576	Evaluation of computed tomography perfusion imaging in a rat acute cerebral ischemia-reperfusion model. Turkish Neurosurgery, 2014, 26, 246-52.	0.2	2
577	Phospholipase A₂, reactive oxygen species, and lipid peroxidation in CNS pathologies. BMB Reports, 2008, 41, 560-567.	2.4	156
578	Towards a dynamical network view of brain ischemia and reperfusion. Part III: therapeutic implications. Journal of Experimental Stroke & Translational Medicine, 2010, 3, 90-103.	0.2	11
579	Effects of Sinapic Acid of 4 Vessel Occlusion Model-Induced Ischemia and Cognitive Impairments in the Rat. Clinical Psychopharmacology and Neuroscience, 2011, 9, 86-90.	2.0	14
580	Antithrombotic and Neuroprotective Therapy in Acute Ischemic Stroke. Journal of the Korean Medical Association, 2009, 52, 356.	0.3	0
581	Why have Ionotropic and Metabotropic Glutamate Antagonists Failed in Stroke Therapy?. , 2009, , 13-25.		1
582	Electrolyte and Metabolic Derangements. , 2010, , 13-35.		1
583	Can VEGF-B Be Used to Treat Neurodegenerative Diseases?. , 0, , .		0
584	Thrombosis in the Development of Newborn Brain Damage. , 2012, , 1216-1227.		0
585	Serotonin 5-HT1A Receptor Agonists in Oxidative Stress and Retinal Disease. , 2012, , 457-478.		0
586	High-Dose Albumin for Neuroprotection in Acute Ischemic Stroke: From Basic Investigations to Multicenter Clinical Trial. , 2012, , 691-719.		0
587	Endogenous Agents That Contribute to Generate or Prevent Ischemic Damage. , 0, , .		1
588	Swimming Performance: A Strategy to Evaluate Motor Dysfunction after Brain Ischemia in Mice. Journal of Behavioral and Brain Science, 2013, 03, 584-590.	0.5	0
589	Clinical Outcomes, Stroke Trials, and Cognitive Outcome. , 2014, , 283-314.		1
590	Neurovascular Mechanisms of Ischemia Tolerance Against Brain Injury. , 2014, , 179-200.		0

#	Article	IF	Citations
591	The Role of Peri-synaptic GABA Receptors After Stroke. Receptors, 2014, , 179-205.	0.2	1
592	Neurotoxicity and Stroke. , 2014, , 1483-1509.		0
593	The assessment of the neuroprotective effect of herbal medicinal products in patients with early stages (I-II) of primary open-angle glaucoma and stabilized intraocular pressure, evidence from â€œTanakanâ€•use. Ophthalmology Journal, 2014, 7, 35.	0.2	0
594	Neuroprotective Drugs. , 2015, , 119-126.		0
595	The Î´-Opioid Receptor and Stabilization of Brain Ionic Homeostasis in Hypoxia/Ischemia. , 2015, , 247-348.		1
596	Changes in hippocampal ultrastructure and vimentin expression in rhesus monkeys following selective deep hypothermia and blood occlusion. Genetics and Molecular Research, 2015, 14, 651-658.	0.2	0
598	Neonatal Stroke: Clinical Presentation, Imaging, Treatment, and Prognosis. , 2016, , 1-36.		0
602	Remote Monitoring via EEG of Persons in Severe Depression. Advances in Medical Technologies and Clinical Practice Book Series, 2018, , 288-298.	0.3	0
604	NeuroproteÃ§Ã£o HipotÃ©rmica e Isquemia Cerebral. Jbnc - Jornal Brasileiro De Neurocirurgia, 2018, 22, 32-37.	0.0	0
605	Characterization of Neural Signals in Preclinical Studies of Neural Plasticity Using Nonlinear Time Series Analysis. PoliTO Springer Series, 2019, , 33-52.	0.5	0
606	A Herbal Formulation of Danshen and Gegen Protects Rat Brains from Injuries Induced by Focal and Global Ischaemia. Journal of Advancements in Plant Science, 2018, 1, 1-9.	0.2	0
608	Deneysel Beyin Ä°skemisinde Tacrolimusun Endotelin-1, Melatonin ve Heat Shock Protein-70 Ãœzerine Etkileri. KahramanmaraÅŸ SÃ¼tÃ§Ã¼ Ä°mam Ãœniversitesi TÄ±p FakÃ¼ltesi Dergisi, 0, , .	0.4	0
609	Features of the Retina Light Sensitivity in Patients with Chronic Cerebral Ischemia, Depending on the Stage of Discirculatory Encephalopathy with the Use of a Neuropeptide. Oftalmologiya, 2020, 17, 784-788.	0.5	1
610	Glutamate-induced modulation in energy metabolism contributes to protection of rat cortical slices against ischemia-induced damage. NeuroReport, 2021, 32, 157-162.	1.2	5
611	Network Pharmacological Analysis and Preliminary Validation of Mechanisms of Poria cocos (Schw.) Wolf Against Stroke. , 2021, , .		0
612	Effects of Edaravone on Muscle Atrophy and Locomotor Function in Patients with Ischemic Stroke. Drugs in R and D, 2010, 10, 155-163.	2.2	1
613	Neuroprotection: The Way of Anti-Inflammatory Agents. , 0, , .		1
618	Study of the neuroprotective effects of memantine in patients with mild to moderate ischemic stroke. Iranian Journal of Pharmaceutical Research, 2014, 13, 591-8.	0.5	15

#	Article	IF	Citations
619	Effect of combination therapy using hypothermia and granulocyte colony-stimulating factor in a rat transient middle cerebral artery occlusion model. Iranian Biomedical Journal, 2014, 18, 239-44.	0.7	8
621	Neuroprotective Effect of Paroxetine on Memory Deficit Induced by Cerebral Ischemia after Transient Bilateral Occlusion of Common Carotid Arteries in Rat. Iranian Journal of Pharmaceutical Research, 2018, 17, 215-224.	0.5	3
623	Application and Utility of Liposomal Neuroprotective Agents and Biomimetic Nanoparticles for the Treatment of Ischemic Stroke. Pharmaceutics, 2022, 14, 361.	4.5	17
624	Migraine Aura, Transient Ischemic Attacks, Stroke, and Dying of the Brain Share the Same Key Pathophysiological Process in Neurons Driven by Gibbsâ€“Donnan Forces, Namely Spreading Depolarization. Frontiers in Cellular Neuroscience, 2022, 16, 837650.	3.7	33
625	Human serum albumin in neurodegeneration. Reviews in the Neurosciences, 2022, 33, 803-817.	2.9	12
629	Quest for Quality in Translational Stroke Researchâ€”A New Dawn for Neuroprotection?. International Journal of Molecular Sciences, 2022, 23, 5381.	4.1	6
630	Glutamate excitotoxicity: Potential therapeutic target for ischemic stroke. Biomedicine and Pharmacotherapy, 2022, 151, 113125.	5.6	51
631	Advances of nano drug delivery system for the theranostics of ischemic stroke. Journal of Nanobiotechnology, 2022, 20, .	9.1	13
632	Neuroprotection in Acute Ischemic Stroke: A Battle Against the Biology of Nature. Frontiers in Neurology, 0, 13, .	2.4	19
633	Rational Design of a Theranostic Agent Triggered by Endogenous Nitric Oxide in a Cellular Model of Alzheimerâ€™s Disease. Journal of Medicinal Chemistry, 2022, 65, 9193-9205.	6.4	3
634	Targeting the interaction of GABA_B receptors with CaMKII with an interfering peptide restores receptor expression after cerebral ischemia and inhibits progressive neuronal death in mouse brain cells and slices. Brain Pathology, 2023, 33, .	4.1	11
635	Intermittent theta-burst stimulation improves motor function by inhibiting neuronal pyroptosis and regulating microglial polarization via TLR4/NFÎºB/NLRP3 signaling pathway in cerebral ischemic mice. Journal of Neuroinflammation, 2022, 19, .	7.2	58
637	Study on the pharmacodynamic effect of Rhizoma Dioscoreae polysaccharides on cerebral ischemia-reperfusion injury in rats and the possible mechanism. Journal of Ethnopharmacology, 2022, 296, 115517.	4.1	4
638	Rationale and methods of the Antioxidant and NMDA receptor blocker Weans Anoxic brain damage of KorEa OHCA patients (AWAKE) trial. Trials, 2022, 23, .	1.6	2
639	Signaling pathways involved in ischemic stroke: molecular mechanisms and therapeutic interventions. Signal Transduction and Targeted Therapy, 2022, 7, .	17.1	132
640	Emerging Role of NLRP3 Inflammasome/Pyroptosis in Huntingtonâ€™s Disease. International Journal of Molecular Sciences, 2022, 23, 8363.	4.1	9
641	Disruption of Calcium Homeostasis and Following Changes in Calcium Signaling in Neurons and Glial Cells in Response to Photodynamic Treatment. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2022, 16, 217-223.	0.6	0
642	Nomogram for Predicting the Risk of Short-Term Mortality in Patients with Ischemic Stroke in ICU:A Retrospective Analysis Based on Clinical Database Mimic-Iv. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	Citations
643	Association of concomitant headache with hypoperfusion in ischemic stroke: A multimodal ‹scp›CT‹/scp›â€based study. Clinical and Translational Science, 2022, 15, 2868-2877.	3.1	1
644	A cross-species approach using an inÂvivo evaluation platform in mice demonstrates that sequence variation in human RABEP2 modulates ischemic stroke outcomes. American Journal of Human Genetics, 2022, 109, 1814-1827.	6.2	3
645	Effects of electroacupuncture on rats with cognitive impairment: An iTRAQ-based proteomics analysis. Journal of Integrative Medicine, 2023, 21, 89-98.	3.1	1
646	Restoring After Central Nervous System Injuries: Neural Mechanisms and Translational Applications of Motor Recovery. Neuroscience Bulletin, 2022, 38, 1569-1587.	2.9	12
647	New Strategies Protecting from Ischemia/Reperfusion. International Journal of Molecular Sciences, 2022, 23, 15867.	4.1	5
649	Mouse Models of Ischemia. , 2011, , 251-273.		0
650	Key design elements of successful acute ischemic stroke treatment trials. Neurological Research and Practice, 2023, 5, .	2.0	2
651	Ð•Ð´Ð°Ñ€Ð°Ð²Ð¾Ð½: Ð´Ð¾Ð²ÐµÐ´ÐµÐ½Ð° ÐµÑ„ÐµÐºÑ‚Ð¸Ð²Ð½Ð¾ÑÑ‚ÑŒ Ñ– Ð±ÐµÐ·Ð¿ÐµÐºÐ°, Ð¼Ñ–Ð¶Ð½Ð°Ñ€Ð¾Ð´Ð½Ð¾Ð³Ð¾		
652	Conditional deletion of LRRC8A in the brain reduces stroke damage independently of swelling-activated glutamate release. IScience, 2023, 26, 106669.	4.1	4
653	Multi-pathway neuroprotective effects of a novel salidroside derivative SHPL-49 against acute cerebral ischemic injury. European Journal of Pharmacology, 2023, 949, 175716.	3.5	3
654	Neuroprotective Effects of Geopung-Chunghyuldan Based on Its Salvianolic Acid B Content Using an In Vivo Stroke Model. Current Issues in Molecular Biology, 2023, 45, 1613-1626.	2.4	5
655	Neuroprotective agents in acute ischemic stroke. , 0, , 47-70.		1
656	A retrospect and outlook on the neuroprotective effects of anesthetics in the era of endovascular therapy. Frontiers in Neuroscience, 0, 17, .	2.8	0
658	Scutellarin Alleviates Ischemic Brain Injury in the Acute Phase by Affecting the Activity of Neurotransmitters in Neurons. Molecules, 2023, 28, 3181.	3.8	2
659	The Effect of Xenon on the Activity of Glycogen Synthase Kinase-Ð—Î² in the Perifocal Zone of Ischemic Cerebral Infarction (Experimental Study). Obshchaya Reanimatologiya, 2023, 19, 60-67.	1.0	2
660	Neuroprotection for Nonarteritic Central Retinal Artery Occlusion: Lessons from Acute Ischemic Stroke. Clinical Ophthalmology, 0, Volume 17, 1531-1543.	1.8	2
661	Optimizing intra-arterial hypothermia scheme for acute ischemic stroke in an MCAO/R rat model. Scientific Reports, 2023, 13, .	3.3	1
662	Neuronal Responses to Ischemia: Scoping Review of Insights from Human-Derived In Vitro Models. Cellular and Molecular Neurobiology, 2023, 43, 3137-3160.	3.3	1

#	Article	IF	Citations
663	The broad-spectrum activity of perampanel: state of the art and future perspective of AMPA antagonism beyond epilepsy. Frontiers in Neurology, 0, 14, .	2.4	8
664	A feasibility and safety study of afamelanotide in acute stroke patients â€“ an open label, proof of concept, phase iia clinical trial. BMC Neurology, 2023, 23, .	1.8	1
666	Evolving Clinicalâ€“Translational Investigations of Cerebroprotection in Ischemic Stroke. Journal of Clinical Medicine, 2023, 12, 6715.	2.4	1
667	Ultrasound biomicroscopy in the quantification of brain perfusion parameters of a rat stroke model: Analysis of contrast agent bolus kinetic dynamics. Journal of Neuroscience Methods, 2024, 401, 110005.	2.5	0
668	Traditional Chinese medicines treat ischemic stroke and their main bioactive constituents and mechanisms. Phytotherapy Research, 0, , .	5.8	1
669	Neuroprotectiveâ€“Neurorestorative Effects Induced by Progesterone on Global Cerebral Ischemia: A Narrative Review. Pharmaceutics, 2023, 15, 2697.	4.5	0
670	Zeaxanthin exerts anti-inflammatory effects in vitro and provides significant neuroprotection in mice subjected to transient middle cerebral artery occlusion. PharmaNutrition, 2024, 27, 100368.	1.7	0
672	Epigenetic and nanotechnology alliance to fight stroke-induced brain damage. Molecular Therapy - Nucleic Acids, 2024, 35, 102150.	5.1	0