

Acute ischemic stroke: Overview of major experimental and therapy of focal cerebral ischemia

Pharmacology Biochemistry and Behavior

87, 179-197

DOI: [10.1016/j.pbb.2007.04.015](https://doi.org/10.1016/j.pbb.2007.04.015)

Citation Report

#	ARTICLE	IF	CITATIONS
8	Antagonistic effects of ultra-low-molecular-weight heparin against cerebral ischemia/reperfusion injury in rats. <i>Pharmacological Research</i> , 2007, 56, 350-355.	3.1	23
9	Neuroprotection and stroke: time for a compromise. <i>Journal of Neurochemistry</i> , 2007, 103, 1302-1309.	2.1	102
10	Differential neuroprotective effects of carnosine, anserine, and <i>N</i> -acetyl carnosine against permanent focal ischemia. <i>Journal of Neuroscience Research</i> , 2008, 86, 2984-2991.	1.3	60
11	Effectiveness of a new modified intraluminal suture for temporary middle cerebral artery occlusion in rats of various weight. <i>Journal of Neuroscience Methods</i> , 2008, 173, 225-234.	1.3	38
12	Detection of apoptosis in a rat model of focal cerebral ischemia using a homing peptide selected from in vivo phage display. <i>Journal of Controlled Release</i> , 2008, 131, 167-172.	4.8	64
13	Two-Photon Imaging during Prolonged Middle Cerebral Artery Occlusion in Mice Reveals Recovery of Dendritic Structure after Reperfusion. <i>Journal of Neuroscience</i> , 2008, 28, 11970-11979.	1.7	121
14	Expression profiling of the cerebral ischemic and hypoxic response. <i>Expert Review of Proteomics</i> , 2008, 5, 263-282.	1.3	15
15	Increased protein SUMOylation following focal cerebral ischemia. <i>Neuropharmacology</i> , 2008, 54, 280-289.	2.0	90
16	Novel Thrombolytic Drugs. <i>CNS Drugs</i> , 2008, 22, 619-629.	2.7	15
17	Tissue-type plasminogen activator as a therapeutic target in stroke. <i>Expert Opinion on Therapeutic Targets</i> , 2008, 12, 159-170.	1.5	110
19	Rodent Models of Ischemic Stroke: A Useful Tool for Stroke Drug Development. <i>Current Pharmaceutical Design</i> , 2008, 14, 359-370.	0.9	49
20	The β -lactam antibiotic, ceftriaxone, dramatically improves survival, increases glutamate uptake and induces neurotrophins in stroke. <i>Journal of Hypertension</i> , 2008, 26, 2426-2435.	0.3	101
21	Progesterone as a neuroprotective factor in traumatic and ischemic brain injury. <i>Progress in Brain Research</i> , 2009, 175, 219-237.	0.9	175
22	Lack of Protection with a Novel, Selective Melanocortin Receptor Subtype-4 Agonist RY767 in a Rat Transient Middle Cerebral Artery Occlusion Stroke Model. <i>Pharmacology</i> , 2009, 83, 38-44.	0.9	10
23	Candesartan Augments Ischemia-Induced Proangiogenic State and Results in Sustained Improvement After Stroke. <i>Stroke</i> , 2009, 40, 1870-1876.	1.0	54
24	Early-Stage Investigations of Ultrasmall Superparamagnetic Iron Oxide-Induced Signal Change After Permanent Middle Cerebral Artery Occlusion in Mice. <i>Stroke</i> , 2009, 40, 1834-1841.	1.0	63
25	Early-Life Sodium Exposure Unmasks Susceptibility to Stroke in Hyperlipidemic, Hypertensive Heterozygous Tg25 Rats Transgenic for Human Cholesteryl Ester Transfer Protein. <i>Circulation</i> , 2009, 119, 1501-1509.	1.6	17
26	Neither in vivo MRI nor behavioural assessment indicate therapeutic efficacy for a novel 5HT1A agonist in rat models of ischaemic stroke. <i>BMC Neuroscience</i> , 2009, 10, 82.	0.8	6

#	ARTICLE	IF	CITATIONS
27	Correct assessment of new compounds using in vivo screening models can reduce false positives. <i>Drug Discovery Today</i> , 2009, 14, 89-94.	3.2	13
28	The loss of hypoxic ventilatory responses following resuscitation after cardiac arrest in rats is associated with failure of long-term survival. <i>Brain Research</i> , 2009, 1258, 59-64.	1.1	12
29	SMND-309, a novel derivate of salvianolic acid B, ameliorates cerebral infarction in rats: Characterization and role. <i>Brain Research</i> , 2009, 1263, 114-121.	1.1	23
30	Post-ischemic blood-brain barrier leakage in rats: One-week follow-up by MRI. <i>Brain Research</i> , 2009, 1280, 158-165.	1.1	76
31	DDPH ameliorated oxygen and glucose deprivation-induced injury in rat hippocampal neurons via interrupting Ca ²⁺ overload and glutamate release. <i>European Journal of Pharmacology</i> , 2009, 603, 50-55.	1.7	20
32	Asiatic acid, a pentacyclic triterpene from <i>Centella asiatica</i> , is neuroprotective in a mouse model of focal cerebral ischemia. <i>Journal of Neuroscience Research</i> , 2009, 87, 2541-2550.	1.3	131
33	Neuronal caspase-3 and PARP-1 correlate differentially with apoptosis and necrosis in ischemic human stroke. <i>Acta Neuropathologica</i> , 2009, 118, 541-552.	3.9	91
34	Neuroprotective Effect of Baicalin in a Rat Model of Permanent Focal Cerebral Ischemia. <i>Neurochemical Research</i> , 2009, 34, 1626-1634.	1.6	89
35	Anti-ischemic activities of <i>Aralia cordata</i> and its active component, oleanolic acid. <i>Archives of Pharmacal Research</i> , 2009, 32, 923-932.	2.7	21
36	Assessment of cerebrovascular resistance with a model of cerebrovascular pressure transmission. <i>Medical Engineering and Physics</i> , 2009, 31, 254-260.	0.8	3
37	Behavioral effects of four antidepressants on an ischemic rat model of emotional disturbances. <i>Behavioural Brain Research</i> , 2009, 201, 265-271.	1.2	17
38	The usefulness of operant conditioning procedures to assess long-lasting deficits following transient focal ischemia in mice. <i>Behavioural Brain Research</i> , 2009, 205, 525-534.	1.2	43
39	Protective Effects of Heparin on Hepatic Ischemia and Reperfusion Lesions in Rabbits. <i>Transplantation Proceedings</i> , 2009, 41, 812-815.	0.3	16
40	Chapter 11 Autophagy in Neurite Injury and Neurodegeneration. <i>Methods in Enzymology</i> , 2009, 453, 217-249.	0.4	103
41	Animal models of thrombosis. <i>Current Opinion in Hematology</i> , 2009, 16, 342-346.	1.2	26
42	Hypoxia Inducible Factor-1 as a Therapeutic Target in Cerebral Ischemia. <i>Current Signal Transduction Therapy</i> , 2009, 4, 162-173.	0.3	4
43	An Optimized Mouse Model for Transient Ischemic Attack. <i>Journal of Neuropathology and Experimental Neurology</i> , 2010, 69, 188-195.	0.9	29
44	Recent advances in pharmacologic neuroprotection. <i>European Journal of Anaesthesiology</i> , 2010, 27, 6-10.	0.7	19

#	ARTICLE	IF	CITATIONS
45	In Silico Study of the Influence of Intensity and Duration of Blood Flow Reduction on Cell Death Through Necrosis or Apoptosis During Acute Ischemic Stroke. <i>Acta Biotheoretica</i> , 2010, 58, 171-190.	0.7	7
46	Translational Stroke Research Using a Rabbit Embolic Stroke Model: A Correlative Analysis Hypothesis for Novel Therapy Development. <i>Translational Stroke Research</i> , 2010, 1, 96-107.	2.3	69
47	MicroRNAs in Cerebral Ischemia. <i>Translational Stroke Research</i> , 2010, 1, 287-303.	2.3	27
48	Zileuton Reduces Inflammatory Reaction and Brain Damage Following Permanent Cerebral Ischemia in Rats. <i>Inflammation</i> , 2010, 33, 344-352.	1.7	43
49	Spatio-Temporal Distribution of Inflammatory Reaction and Expression of TLR2/4 Signaling Pathway in Rat Brain Following Permanent Focal Cerebral Ischemia. <i>Neurochemical Research</i> , 2010, 35, 1147-1155.	1.6	64
50	Neuroprotective efficacy and therapeutic window of Forsythoside B: In a rat model of cerebral ischemia and reperfusion injury. <i>European Journal of Pharmacology</i> , 2010, 640, 75-81.	1.7	32
51	Lipoxin A4 analogue protects brain and reduces inflammation in a rat model of focal cerebral ischemia reperfusion. <i>Brain Research</i> , 2010, 1323, 174-183.	1.1	95
52	p120 catenin/ β -catenin are molecular targets in the neuroprotection and neuronal plasticity mediated by atorvastatin after focal cerebral ischemia. <i>Journal of Neuroscience Research</i> , 2010, 88, 3621-3634.	1.3	42
53	A novel method for inducing focal ischemia in vitro. <i>Journal of Neuroscience Methods</i> , 2010, 190, 20-27.	1.3	26
54	Preconditioning-induced ischemic tolerance: a window into endogenous gearing for cerebroprotection. <i>Experimental & Translational Stroke Medicine</i> , 2010, 2, 2.	3.2	70
55	In vivo MRI assessment of permanent middle cerebral artery occlusion by electrocoagulation: pitfalls of procedure. <i>Experimental & Translational Stroke Medicine</i> , 2010, 2, 4.	3.2	13
56	Neuroprotective effect of HT008â€1, a prescription of traditional Korean medicine, on transient focal cerebral ischemia model in rats. <i>Phytotherapy Research</i> , 2010, 24, 1207-1212.	2.8	16
57	Acetylâ€L-carnitine reduces the infarct size and striatal glutamate outflow following focal cerebral ischemia in rats. <i>Annals of the New York Academy of Sciences</i> , 2010, 1199, 95-104.	1.8	27
58	Deficiency of Vasodilator-Stimulated Phosphoprotein (VASP) Increases Blood-Brain-Barrier Damage and Edema Formation after Ischemic Stroke in Mice. <i>PLoS ONE</i> , 2010, 5, e15106.	1.1	12
59	Clinical Studies in Stem Cells Transplantation for Stroke: A Review. <i>Current Vascular Pharmacology</i> , 2010, 8, 29-34.	0.8	19
60	Sleep Disruption Aggravates Focal Cerebral Ischemia in the Rat. <i>Sleep</i> , 2010, 33, 879-887.	0.6	63
61	Preclinical Assessment of Stem Cell Therapies for Neurological Diseases. <i>ILAR Journal</i> , 2010, 51, 24-41.	1.8	28
62	Animal Models of Neurological Disease. <i>Advances in Experimental Medicine and Biology</i> , 2010, 671, 23-40.	0.8	8

#	ARTICLE	IF	CITATIONS
63	Neuroprotective effect of liquiritin against focal cerebral ischemia/reperfusion in mice via its antioxidant and antiapoptosis properties. <i>Journal of Asian Natural Products Research</i> , 2010, 12, 1051-1060.	0.7	95
64	Effects of green tea polyphenols on caveolin-1 of microvessel fragments in rats with cerebral ischemia. <i>Neurological Research</i> , 2010, 32, 963-970.	0.6	34
65	Pathophysiology of the Vascular Wall and its Relevance for Cerebrovascular Disorders in Aged Rodents. <i>Current Neurovascular Research</i> , 2010, 7, 251-267.	0.4	23
66	Inhibition of nuclear factor- κ B by 6-O-acetyl shanzhiside methyl ester protects brain against injury in a rat model of ischemia and reperfusion. <i>Journal of Neuroinflammation</i> , 2010, 7, 55.	3.1	32
67	The dual role of the neuroinflammatory response after ischemic stroke: modulatory effects of hypothermia. <i>Journal of Neuroinflammation</i> , 2010, 7, 74.	3.1	268
68	Effect of intravenous administration of dipyridamole in a rat model of chronic cerebral ischemia. <i>Annals of the New York Academy of Sciences</i> , 2010, 1207, 89-96.	1.8	25
69	Key compound groups for the neuroprotective effect of roots of <i>Polygonum cuspidatum</i> on transient middle cerebral artery occlusion in Sprague-Dawley rats. <i>Natural Product Research</i> , 2010, 24, 1214-1226.	1.0	12
70	Integrated Proteomic Analysis Reveals a Substantial Enrichment of Protein Trafficking Processes in Hippocampus Tissue after Hypoxic Stress. <i>Journal of Proteome Research</i> , 2010, 9, 204-215.	1.8	5
71	Effect of focal cerebral ischaemia on modulatory neurotransmitter receptors in the rat brain: An autoradiographic study. <i>Journal of Chemical Neuroanatomy</i> , 2010, 40, 232-238.	1.0	6
72	Behavioral, biochemical and cellular correlates in the protective effect of sertraline against transient global ischemia induced behavioral despair: Possible involvement of nitric oxide-cyclic guanosine monophosphate study pathway. <i>Brain Research Bulletin</i> , 2010, 82, 57-64.	1.4	36
73	Oligodendrocyte degeneration and recovery after focal cerebral ischemia. <i>Neuroscience</i> , 2010, 169, 1364-1375.	1.1	61
74	Analysis of homing potential of marrow-derived mononuclear cells in an experimentally-induced brain stroke mouse model. <i>Brain Injury</i> , 2010, 24, 1485-1490.	0.6	13
75	The selective ablation of inflammation in an acute stage of ischemic stroke may be a new strategy to promote neurogenesis. <i>Medical Hypotheses</i> , 2011, 76, 1-3.	0.8	15
76	Stroke treatment in rats with tail temperature increase by 40-min moxibustion. <i>Neuroscience Letters</i> , 2011, 503, 131-135.	1.0	19
77	Kudzu root: Traditional uses and potential medicinal benefits in diabetes and cardiovascular diseases. <i>Journal of Ethnopharmacology</i> , 2011, 134, 584-607.	2.0	313
78	Protective effects of MLIF analogs on cerebral ischemia-reperfusion injury in rats. <i>Peptides</i> , 2011, 32, 1047-1054.	1.2	16
79	Guanosine is neuroprotective against oxygen/glucose deprivation in hippocampal slices via large conductance Ca ²⁺ -activated K ⁺ channels, phosphatidylinositol-3 kinase/protein kinase B pathway activation and glutamate uptake. <i>Neuroscience</i> , 2011, 183, 212-220.	1.1	65
80	Curculigoside A attenuates experimental cerebral ischemia injury in vitro and vivo. <i>Neuroscience</i> , 2011, 192, 572-579.	1.1	40

#	ARTICLE	IF	CITATIONS
81	Experimental and Clinical Use of Therapeutic Hypothermia for Ischemic Stroke: Opportunities and Limitations. <i>Stroke Research and Treatment</i> , 2011, 2011, 1-9.	0.5	15
82	Mouse Model of Middle Cerebral Artery Occlusion. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	98
83	Preclinical stroke research â€“ advantages and disadvantages of the most common rodent models of focal ischaemia. <i>British Journal of Pharmacology</i> , 2011, 164, 1062-1078.	2.7	196
84	Pregabalin suppresses calcium-mediated proteolysis and improves stroke outcome. <i>Neurobiology of Disease</i> , 2011, 41, 624-629.	2.1	18
85	Cordycepin protects against cerebral ischemia/reperfusion injury in vivo and in vitro. <i>European Journal of Pharmacology</i> , 2011, 664, 20-28.	1.7	95
86	Opioid receptor agonists reduce brain edema in stroke. <i>Brain Research</i> , 2011, 1383, 307-316.	1.1	65
87	Systemic administration of guanosine promotes functional and histological improvement following an ischemic stroke in rats. <i>Brain Research</i> , 2011, 1407, 79-89.	1.1	26
88	Baicalin Inhibits TLR2/4 Signaling Pathway in Rat Brain Following Permanent Cerebral Ischemia. <i>Inflammation</i> , 2011, 34, 463-470.	1.7	82
89	Effect of Baicalin on Matrix Metalloproteinase-9 Expression and Bloodâ€“Brain Barrier Permeability Following Focal Cerebral Ischemia in Rats. <i>Neurochemical Research</i> , 2011, 36, 2022-2028.	1.6	63
90	Characterization of the Inflammatory Response in a Photothrombotic Stroke Model by MRI: Implications for Stem Cell Transplantation. <i>Molecular Imaging and Biology</i> , 2011, 13, 663-671.	1.3	27
91	Effects of hyperbaric oxygen on the expression of claudins after cerebral ischemiaâ€“reperfusion in rats. <i>Experimental Brain Research</i> , 2011, 212, 109-117.	0.7	9
92	CeeToxâ„¢ Analysis of CNB-001 a Novel Curcumin-Based Neurotrophic/Neuroprotective Lead Compound to Treat Stroke: Comparison with NXY-059 and Radicut. <i>Translational Stroke Research</i> , 2011, 2, 51-59.	2.3	27
93	Mild hypothermia causes differential, time-dependent changes in cytokine expression and gliosis following endothelin-1-induced transient focal cerebral ischemia. <i>Journal of Neuroinflammation</i> , 2011, 8, 60.	3.1	34
94	Sexual Dimorphism in Ischemic Stroke: Lessons from the Laboratory. <i>Women's Health</i> , 2011, 7, 319-339.	0.7	78
95	Ameliorative Effects of GW1929, a Nonthiazolidinedione PPARγ Agonist, on Inflammation and Apoptosis in Focal Cerebral Ischemic-Reperfusion Injury. <i>Current Neurovascular Research</i> , 2011, 8, 236-245.	0.4	22
96	Serial Semiquantitative Imaging of Brain Damage Using Micro-SPECT and Micro-CT After Endothelin-1â€“Induced Transient Focal Cerebral Ischemia in Rats. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1987-1992.	2.8	11
97	Protocol for middle cerebral artery occlusion by an intraluminal suture method. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2011, 2, 36-39.	0.2	40
98	Characterization of Neuroprotective Effects of Biphalin, an Opioid Receptor Agonist, in a Model of Focal Brain Ischemia. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 339, 499-508.	1.3	42

#	ARTICLE	IF	CITATIONS
99	Behavioral outcome measures used for human neural stem cell transplantation in rat stroke models. <i>Neurology International</i> , 2011, 3, 10.	1.3	3
100	The Role of PSD-95 and Cypin in Morphological Changes in Dendrites Following Sublethal NMDA Exposure. <i>Journal of Neuroscience</i> , 2011, 31, 15468-15480.	1.7	29
101	Middle Cerebral Artery Occlusion Model in Rodents: Methods and Potential Pitfalls. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-9.	3.0	181
102	Neuroprotective Effects of Ischemic Preconditioning and Postconditioning on Global Brain Ischemia in Rats through the Same Effect on Inhibition of Apoptosis. <i>International Journal of Molecular Sciences</i> , 2012, 13, 6089-6101.	1.8	47
103	Neuroprotection for Stroke: Current Status and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2012, 13, 11753-11772.	1.8	169
104	Sevoflurane and Isoflurane Preconditioning Provides Neuroprotection by Inhibition of Apoptosis-related mRNA Expression in a Rat Model of Focal Cerebral Ischemia. <i>Journal of Neurosurgical Anesthesiology</i> , 2012, 24, 336-344.	0.6	72
105	Dynamic change of collateral flow varying with distribution of regional blood flow in acute ischemic rat cortex. <i>Journal of Biomedical Optics</i> , 2012, 17, 125001.	1.4	28
106	A Stable Focal Cerebral Ischemia Injury Model in Adult Mice: Assessment Using 7T MR Imaging. <i>American Journal of Neuroradiology</i> , 2012, 33, 935-939.	1.2	19
107	<i>In vivo</i> imaging of hemodynamics and oxygen metabolism in acute focal cerebral ischemic rats with laser speckle imaging and functional photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2012, 17, 081415.	1.4	34
108	Adaptive synthetic-aperture focusing technique for microvasculature imaging using photoacoustic microscopy. <i>Optics Express</i> , 2012, 20, 7555.	1.7	37
109	Targeted Disruption of <i>Organic Cation Transporter 3</i> (<i>Oct3</i>) Ameliorates Ischemic Brain Damage through Modulating Histamine and Regulatory T Cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1897-1908.	2.4	26
110	Stem Cells and Cancer Stem Cells, Volume 2. , 2012, , .		1
111	Image-Guided Method in the Rat for Inducing Cortical or Striatal Infarction and for Controlling Cerebral Blood Flow Under MRI. <i>Stroke</i> , 2012, 43, 2437-2443.	1.0	18
112	Oxidative Stress Does Not Predispose Neuronal Cells to Changes in G Protein Coupled (Opioid) Receptor Gene Expression in Cortical B50 Neurons in Culture. <i>International Journal of Human Genetics</i> , 2012, 12, 303-310.	0.1	0
113	Neuroprotective Activity of Lavender Oil on Transient Focal Cerebral Ischemia in Mice. <i>Molecules</i> , 2012, 17, 9803-9817.	1.7	64
114	Osthole Attenuates Focal Inflammatory Reaction Following Permanent Middle Cerebral Artery Occlusion in Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2012, 35, 1686-1690.	0.6	30
115	The Outcomes of Stroke Induced by Middle Cerebral Artery Occlusion in Different Strains of Mice. <i>CNS Neuroscience and Therapeutics</i> , 2012, 18, 794-795.	1.9	5
116	Neuroprotective effect of 20(R)-ginsenoside Rg3 against transient focal cerebral ischemia in rats. <i>Neuroscience Letters</i> , 2012, 526, 106-111.	1.0	73

#	ARTICLE	IF	CITATIONS
117	Stroke Therapy Using Menstrual Blood Stem-Like Cells: Method. , 2012, , 191-197.		0
118	Effect of Acupuncture Therapy for Postponing Wallerian Degeneration of Cerebral Infarction as Shown by Diffusion Tensor Imaging. <i>Journal of Alternative and Complementary Medicine</i> , 2012, 18, 1154-1160.	2.1	18
119	bFGF inhibits ER stress induced by ischemic oxidative injury via activation of the PI3K/Akt and ERK1/2 pathways. <i>Toxicology Letters</i> , 2012, 212, 137-146.	0.4	98
120	Imaging of Stroke: Part 2, Pathophysiology at the Molecular and Cellular Levels and Corresponding Imaging Changes. <i>American Journal of Roentgenology</i> , 2012, 198, 63-74.	1.0	61
121	Protective effect of hydroalcoholic extract of <i>Mimusops elengi</i> Linn. flowers against middle cerebral artery occlusion induced brain injury in rats. <i>Journal of Ethnopharmacology</i> , 2012, 140, 247-254.	2.0	27
122	The neuroprotective effect of post ischemic brief mild hypothermic treatment correlates with apoptosis, but not with gliosis in endothelin-1 treated rats. <i>BMC Neuroscience</i> , 2012, 13, 105.	0.8	20
123	Dipeptidyl peptidase IV, aminopeptidase N and DPIV/APN-like proteases in cerebral ischemia. <i>Journal of Neuroinflammation</i> , 2012, 9, 44.	3.1	59
124	Effects of skilled and unskilled training on functional recovery and brain plasticity after focal ischemia in adult rats. <i>Brain Research</i> , 2012, 1486, 53-61.	1.1	28
125	Study of Heparin in Intestinal Ischemia and Reperfusion in Rats: Morphologic and Functional Evaluation. <i>Transplantation Proceedings</i> , 2012, 44, 2300-2303.	0.3	10
126	Emboic middle cerebral artery occlusion model using thrombin and fibrinogen composed clots in rat. <i>Journal of Neuroscience Methods</i> , 2012, 211, 296-304.	1.3	22
127	Neuroprotective efficacy of sodium tanshinone B on hippocampus neuron in a rat model of focal cerebral ischemia. <i>Chinese Journal of Integrative Medicine</i> , 2012, 18, 837-845.	0.7	8
128	An In Vitro Model of Ischemic Stroke. <i>Methods in Molecular Biology</i> , 2012, 814, 451-466.	0.4	18
129	Sex Differences in Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 2100-2107.	2.4	194
130	Stem Cells and Cancer Stem Cells, Volume 3. , 2012, , .		2
131	In Vivo Near-Infrared Imaging of Fibrin Deposition in Thromboembolic Stroke in Mice. <i>PLoS ONE</i> , 2012, 7, e30262.	1.1	22
132	Nrf2 Activation, an Innovative Therapeutic Alternative in Cerebral Ischemia. , 0, , .		2
133	Neuroprotective Effect against Cerebral Ischemia of <i>Passiflora foetida</i> . <i>American Journal of Applied Sciences</i> , 2012, 9, 600-604.	0.1	2
134	Análisis comparativo de marcadores de lesión en modelos de isquemia cerebral focal y global en ratas. <i>Biomedica</i> , 2012, 33, .	0.3	6

#	ARTICLE	IF	CITATIONS
135	Tricin 7-glucoside protects against experimental cerebral ischemia by reduction of NF- κ B and HMGB1 expression. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 50-57.	1.9	21
136	AQP4 Knockout Aggravates Ischemia/Reperfusion Injury in Mice. <i>CNS Neuroscience and Therapeutics</i> , 2012, 18, 388-394.	1.9	57
137	Systematic Review and Meta-Analysis of the Efficacy of Statins in Experimental Stroke. <i>International Journal of Stroke</i> , 2012, 7, 150-156.	2.9	20
138	Neuroprotection for Ischaemic Stroke: Translation from the Bench to the Bedside. <i>International Journal of Stroke</i> , 2012, 7, 407-418.	2.9	224
139	Etiology of Stroke and Choice of Models. <i>International Journal of Stroke</i> , 2012, 7, 398-406.	2.9	88
140	Pathophysiology of stroke and stroke-induced retinal ischemia: Emerging role of stem cells. <i>Journal of Cellular Physiology</i> , 2012, 227, 1269-1279.	2.0	22
141	Association of Toll-like Receptor 2 Polymorphisms with National Institute of Health Stroke Scale Scores of Ischemic Stroke Patients. <i>Journal of Molecular Neuroscience</i> , 2012, 46, 536-540.	1.1	8
142	Rosmarinic acid protects against experimental diabetes with cerebral ischemia: relation to inflammation response. <i>Journal of Neuroinflammation</i> , 2013, 10, 28.	3.1	87
143	Animal models of post-ischemic forced use rehabilitation: methods, considerations, and limitations. <i>Experimental & Translational Stroke Medicine</i> , 2013, 5, 2.	3.2	14
144	Up-regulated tumor necrosis factor-associated factor 6 level is correlated with apoptosis in the rat cerebral ischemia and reperfusion. <i>Neurological Sciences</i> , 2013, 34, 1133-1138.	0.9	19
145	Sleep deprivation before stroke is neuroprotective: A pre-ischemic conditioning related to sleep rebound. <i>Experimental Neurology</i> , 2013, 247, 673-679.	2.0	33
146	Phycocyanobilin promotes PC12 cell survival and modulates immune and inflammatory genes and oxidative stress markers in acute cerebral hypoperfusion in rats. <i>Toxicology and Applied Pharmacology</i> , 2013, 272, 49-60.	1.3	45
147	Animal Models of Stroke Versus Clinical Stroke. , 2013, , 531-568.		3
148	Pathogenesis of acute stroke and the role of inflammasomes. <i>Ageing Research Reviews</i> , 2013, 12, 941-966.	5.0	275
149	Therapeutic hypercapnia improves functional recovery and attenuates injury via antiapoptotic mechanisms in a rat focal cerebral ischemia/reperfusion model. <i>Brain Research</i> , 2013, 1533, 52-62.	1.1	40
150	Alleviation of transient global ischemia/reperfusion-induced brain injury in rats with 1,2,3,4,6-penta-O-galloyl- β -D-glucopyranose isolated from <i>Mangifera indica</i> . <i>European Journal of Pharmacology</i> , 2013, 720, 286-293.	1.7	30
151	Nanomaterials in Stroke Treatment. <i>Stroke</i> , 2013, 44, 2351-2355.	1.0	39
152	Highly efficient differentiation of neural precursors from human embryonic stem cells and benefits of transplantation after ischemic stroke in mice. <i>Stem Cell Research and Therapy</i> , 2013, 4, 93.	2.4	42

#	ARTICLE	IF	CITATIONS
153	Levosimendan limits reperfusion injury in a rat middle cerebral artery occlusion (MCAO) model. <i>BMC Neurology</i> , 2013, 13, 106.	0.8	25
154	Steps to Translate Preconditioning from Basic Research to the Clinic. <i>Translational Stroke Research</i> , 2013, 4, 89-103.	2.3	23
155	Nanomaterials design and tests for neural tissue engineering. <i>Chemical Society Reviews</i> , 2013, 42, 225-262.	18.7	160
156	Monitoring therapeutic effects in experimental stroke by serial USPIO-enhanced MRI. <i>European Radiology</i> , 2013, 23, 37-47.	2.3	19
157	Region-specific expression of vesicular glutamate and GABA transporters under various ischaemic conditions in mouse forebrain and retina. <i>Neuroscience</i> , 2013, 231, 328-344.	1.1	29
158	Proteomic analysis of global protein expression changes in the endothelin-1 rat model for cerebral ischemia: Rescue effect of mild hypothermia. <i>Neurochemistry International</i> , 2013, 63, 379-388.	1.9	14
159	Progress on the protective effect of compounds from natural medicines on cerebral ischemia. <i>Chinese Journal of Natural Medicines</i> , 2013, 11, 588-595.	0.7	15
160	Acidosis, magnesium and acetylsalicylic acid: Effects on thrombin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 104, 158-164.	2.0	7
161	Mild hypothermia reduces activated caspase-3 up to 1 week after a focal cerebral ischemia induced by endothelin-1 in rats. <i>Brain Research</i> , 2013, 1501, 81-88.	1.1	16
162	Brain Ischemic Injury in Rodents: The Protective Effect of EPO. <i>Methods in Molecular Biology</i> , 2013, 982, 79-101.	0.4	3
163	Simulation of human ischemic stroke in realistic 3D geometry. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 1539-1557.	1.7	13
164	What can we learn about stroke from retinal ischemia models?. <i>Acta Pharmacologica Sinica</i> , 2013, 34, 91-103.	2.8	33
165	Melanocortins As Innovative Drugs for Ischemic Diseases and Neurodegenerative Disorders: Established Data and Perspectives. <i>Current Medicinal Chemistry</i> , 2013, 20, 735-750.	1.2	7
166	Three-dimensional mapping of oxygen tension in cortical arterioles before and after occlusion. <i>Biomedical Optics Express</i> , 2013, 4, 1061.	1.5	52
167	Molecular Dissection of Cyclosporin A's Neuroprotective Effect Reveals Potential Therapeutics for Ischemic Brain Injury. <i>Brain Sciences</i> , 2013, 3, 1325-1356.	1.1	10
168	Bone Morphogenetic Protein-7 Ameliorates Cerebral Ischemia and Reperfusion Injury via Inhibiting Oxidative Stress and Neuronal Apoptosis. <i>International Journal of Molecular Sciences</i> , 2013, 14, 23441-23453.	1.8	23
169	Biomedical and Clinical Promises of Human Pluripotent Stem Cells for Neurological Disorders. <i>BioMed Research International</i> , 2013, 2013, 1-10.	0.9	11
170	Computed microtomography visualization and quantification of mouse ischemic brain lesion by nonionic radio contrast agents. <i>Croatian Medical Journal</i> , 2013, 54, 3-11.	0.2	18

#	ARTICLE	IF	CITATIONS
171	Drug Therapy in Stroke: From Preclinical to Clinical Studies. <i>Pharmacology</i> , 2013, 92, 324-334.	0.9	68
172	A Rat's Whiskers Point the Way toward a Novel Stimulus-Dependent, Protective Stroke Therapy. <i>Neuroscientist</i> , 2013, 19, 313-328.	2.6	25
173	Progesterone Treatment for Experimental Stroke: An Individual Animal Meta-Analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1362-1372.	2.4	47
174	NADPH Oxidase as a Therapeutic Target for Neuroprotection against Ischaemic Stroke: Future Perspectives. <i>Brain Sciences</i> , 2013, 3, 561-598.	1.1	39
175	Phagocytosis executes delayed neuronal death after focal brain ischemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4098-107.	3.3	288
176	Neuroprotective Effects of Curcumin and Highly Bioavailable Curcumin on Oxidative Stress Induced by Sodium Nitroprusside in Rat Striatal Cell Culture. <i>Biological and Pharmaceutical Bulletin</i> , 2013, 36, 1356-1362.	0.6	12
177	Transplantation of bone marrow-derived endothelial progenitor cells attenuates cerebral ischemia and reperfusion injury by inhibiting neuronal apoptosis, oxidative stress and nuclear factor- κ B expression. <i>International Journal of Molecular Medicine</i> , 2013, 31, 91-98.	1.8	29
178	Permanent Cerebral Vessel Occlusion via Double Ligature and Transection. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	13
179	Establishing a model of middle cerebral artery occlusion in rabbits using endovascular interventional techniques. <i>Experimental and Therapeutic Medicine</i> , 2013, 6, 947-952.	0.8	10
180	Inner Retinal Oxygen Extraction Fraction in Rat. , 2013, 54, 647.		19
181	The Effects of Antecedent Exercise on Motor Function Recovery and Brain-derived Neurotrophic Factor Expression after Focal Cerebral Ischemia in Rats. <i>Journal of Physical Therapy Science</i> , 2013, 25, 553-556.	0.2	14
182	Neuroprotective Effect of Kaempferol Glycosides against Brain Injury and Neuroinflammation by Inhibiting the Activation of NF- κ B and STAT3 in Transient Focal Stroke. <i>PLoS ONE</i> , 2013, 8, e55839.	1.1	153
183	Anti-Inflammatory Effects of Total Isoflavones from <i>Pueraria lobata</i> on Cerebral Ischemia in Rats. <i>Molecules</i> , 2013, 18, 10404-10412.	1.7	49
184	J-147 a Novel Hydrazide Lead Compound to Treat Neurodegeneration: CeeToxâ, Safety and Genotoxicity Analysis. <i>Journal of Neurology & Neurophysiology</i> , 2013, 04, .	0.1	1
185	A Method for Generate a Mouse Model of Stroke: Evaluation of Parameters for Blood Flow, Behavior, and Survival. <i>Experimental Neurobiology</i> , 2014, 23, 104-114.	0.7	31
186	Extract of <i>Antrodia camphorata</i> Exerts Neuroprotection against Embolic Stroke in Rats without Causing the Risk of Hemorrhagic Incidence. <i>Scientific World Journal, The</i> , 2014, 2014, 1-8.	0.8	3
187	Heparin modulates the expression of genes encoding pro and anti-apoptotic proteins in endothelial cells exposed to intestinal ischemia and reperfusion in rats. <i>Acta Cirurgica Brasileira</i> , 2014, 29, 445-449.	0.3	8
188	Electroacupuncture improves cerebral blood flow and attenuates moderate ischemic injury via Angiotensin II its receptors-mediated mechanism in rats. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 441.	3.7	37

#	ARTICLE	IF	CITATIONS
189	Non-Invasive Diagnostic Biomarkers for Estimating the Onset Time of Permanent Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1848-1855.	2.4	20
190	Improvement of the suture-occluded method in rat models of focal cerebral ischemia-reperfusion. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 657-662.	0.8	7
191	Neuroprotective Effects of Lipoxin A4 in Central Nervous System Pathologies. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	19
192	Drug-Induced Hypothermia as Beneficial Treatment before and after Cerebral Ischemia. <i>Pathobiology</i> , 2014, 81, 42-52.	1.9	22
193	A Reproducible and Translatable Model of Focal Ischemia in the Visual Cortex of Infant and Adult Marmoset Monkeys. <i>Brain Pathology</i> , 2014, 24, 459-474.	2.1	29
194	The Middle Cerebral Artery Occlusion Model of Transient Focal Cerebral Ischemia. <i>Methods in Molecular Biology</i> , 2014, 1135, 81-93.	0.4	26
195	The effects of magnesium, acetylsalicylic acid, and emoxypine on platelet aggregation. <i>Biophysics (Russian Federation)</i> , 2014, 59, 900-903.	0.2	3
196	Rodent models of ischemic stroke lack translational relevance—are baboon models the answer?. <i>Neurological Research</i> , 2014, 36, 417-422.	0.6	17
197	Experimental Models of Brain Ischemia: A Review of Techniques, Magnetic Resonance Imaging, and Investigational Cell-Based Therapies. <i>Frontiers in Neurology</i> , 2014, 5, 19.	1.1	65
198	Argon gas: a potential neuroprotectant and promising medical therapy. <i>Medical Gas Research</i> , 2014, 4, 3.	1.2	11
199	Acetyl Shanzhiside Methylester Attenuates Cerebral Ischaemia/Reperfusion Injury through an Anti-inflammatory Mechanism in Diabetic Rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014, 115, 481-487.	1.2	7
200	Histopathology of motor cortex in an experimental focal ischemic stroke in mouse model. <i>Journal of Chemical Neuroanatomy</i> , 2014, 57-58, 1-9.	1.0	7
201	The high-mobility group I-Y transcription factor is involved in cerebral ischemia and modulates the expression of angiogenic proteins. <i>Neuroscience</i> , 2014, 269, 112-130.	1.1	12
202	Microcirculatory, mitochondrial, and histological changes following cerebral ischemia in swine. <i>BMC Neuroscience</i> , 2014, 15, 2.	0.8	14
203	Characterization of a New Model of Thromboembolic Stroke in C57 black/6J mice. <i>Translational Stroke Research</i> , 2014, 5, 526-533.	2.3	22
204	Present status and future challenges of electroencephalography- and magnetic resonance imaging-based monitoring in preclinical models of focal cerebral ischemia. <i>Brain Research Bulletin</i> , 2014, 102, 22-36.	1.4	18
205	Ellagic acid-induced thrombotic focal cerebral ischemic model in rats. <i>Journal of Pharmacological and Toxicological Methods</i> , 2014, 69, 217-222.	0.3	14
206	Retinal Ischemia/Reperfusion Injury Is Mediated by Toll-like Receptor 4 Activation of NLRP3 Inflammasomes. <i>Journal of Neuroinflammation</i> , 2014, 55, 5466.		78

#	ARTICLE	IF	CITATIONS
207	Identification of hyperacute ischemic stroke with a more homogenous nature. <i>Translational Neuroscience</i> , 2014, 5, .	0.7	2
208	Potential protective effect of highly bioavailable curcumin on an oxidative stress model induced by microinjection of sodium nitroprusside in mice brain. <i>Food and Function</i> , 2014, 5, 984-989.	2.1	24
209	Effects of ultrasound-combined microbubbles on hippocampal AchE fibers in rats. <i>Asian Pacific Journal of Tropical Medicine</i> , 2014, 7, 352-357.	0.4	0
210	Neuroprotective effects of Fructus Chebulae extracts on experimental models of cerebral ischemia. <i>Journal of Traditional Chinese Medicine = Chung I Tsa Chih Ying Wen Pan / Sponsored By All-China Association of Traditional Chinese Medicine, Academy of Traditional Chinese Medicine</i> , 2014, 34, 69-75.	0.4	11
211	Inflammatory cell recruitment after experimental thromboembolic stroke in rats. <i>Neuroscience</i> , 2014, 279, 139-154.	1.1	33
212	Age-dependent modifications in vascular adhesion molecules and apoptosis after 48-h reperfusion in a rat global cerebral ischemia model. <i>Age</i> , 2014, 36, 9703.	3.0	15
213	Biochemical and inflammatory biomarkers in ischemic stroke: translational study between humans and two experimental rat models. <i>Journal of Translational Medicine</i> , 2014, 12, 220.	1.8	20
214	Protective Effect of Tanshinone IIA Against Infarct Size and Increased HMGB1, NF κ B, GFAP and Apoptosis Consequent to Transient Middle Cerebral Artery Occlusion. <i>Neurochemical Research</i> , 2014, 39, 295-304.	1.6	33
215	Perceptual Relearning of Binocular Fusion and Stereoacuity After Brain Injury. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 462-471.	1.4	11
216	Upregulation of the tight junction protein occludin: effects on ventilation-induced lung injury and mechanisms of action. <i>BMC Pulmonary Medicine</i> , 2014, 14, 94.	0.8	37
217	Pre-clinical functional Magnetic Resonance Imaging part I: The kidney. <i>Zeitschrift Fur Medizinische Physik</i> , 2014, 24, 286-306.	0.6	11
218	Progesterone in experimental permanent stroke: a dose-response and therapeutic time-window study. <i>Brain</i> , 2014, 137, 486-502.	3.7	73
219	Puerarin protected the brain from cerebral ischemia injury via astrocyte apoptosis inhibition. <i>Neuropharmacology</i> , 2014, 79, 282-289.	2.0	80
220	Comparison of Surgical Methods of Transient Middle Cerebral Artery Occlusion between Rats and Mice. <i>Journal of Veterinary Medical Science</i> , 2014, 76, 1555-1561.	0.3	18
221	Novel bio-spectroscopic imaging reveals disturbed protein homeostasis and thiol redox with protein aggregation prior to hippocampal CA1 pyramidal neuron death induced by global brain ischemia in the rat. <i>Free Radical Biology and Medicine</i> , 2015, 89, 806-818.	1.3	24
222	Diabetes Worsens Ischemia-Reperfusion Brain Injury in Rats Through GSK-3 β . <i>American Journal of the Medical Sciences</i> , 2015, 350, 204-211.	0.4	16
223	Ascorbic Acid Reduces the Adverse Effects of Delayed Administration of Tissue Plasminogen Activator in a Rat Stroke Model. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 117, 335-339.	1.2	39
224	Identification of Sleep-Modulated Pathways Involved in Neuroprotection from Stroke. <i>Sleep</i> , 2015, 38, 1707-1718.	0.6	15

#	ARTICLE	IF	CITATIONS
225	Iptakalim protects against ischemic injury by improving neurovascular unit function in the mouse brain. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 766-771.	0.9	8
226	Stem cell therapy in intracerebral hemorrhage rat model. <i>World Journal of Stem Cells</i> , 2015, 7, 618.	1.3	21
227	Default Mode Network, Motor Network, Dorsal and Ventral Basal Ganglia Networks in the Rat Brain: Comparison to Human Networks Using Resting State-fMRI. <i>PLoS ONE</i> , 2015, 10, e0120345.	1.1	62
228	Methylene Blue Protects Astrocytes against Glucose Oxygen Deprivation by Improving Cellular Respiration. <i>PLoS ONE</i> , 2015, 10, e0123096.	1.1	21
229	Methylphosphonane A Protects against Cerebral Ischemia/Reperfusion Injury and Attenuates Blood-Brain Barrier Disruption In Vitro. <i>PLoS ONE</i> , 2015, 10, e0124558.	1.1	30
230	The Effect of Pre-Condition Cerebella Fastigial Nucleus Electrical Stimulation within and beyond the Time Window of Thrombolytic on Ischemic Stroke in the Rats. <i>PLoS ONE</i> , 2015, 10, e0128447.	1.1	12
231	Triptolide attenuates cerebral ischemia and reperfusion injury in rats through the inhibition the nuclear factor kappa B signaling pathway. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 1395.	1.0	14
232	Protective effects of allicin against ischemic stroke in a rat model of middle cerebral artery occlusion. <i>Molecular Medicine Reports</i> , 2015, 12, 3734-3738.	1.1	20
233	The Value of Safflower Yellow Injection for the Treatment of Acute Cerebral Infarction: A Randomized Controlled Trial. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-6.	0.5	13
234	Hypoxia-controlled matrix metalloproteinase-9 hyperexpression promotes behavioral recovery after ischemia. <i>Neuroscience Bulletin</i> , 2015, 31, 550-560.	1.5	23
235	Perspective of synaptic protection after post-infarction treatment with statins. <i>Journal of Translational Medicine</i> , 2015, 13, 118.	1.8	11
236	Microglial K ⁺ channel expression in young adult and aged mice. <i>Glia</i> , 2015, 63, 664-672.	2.5	57
237	Treatment of acute cerebral ischemia using animal models: a meta-analysis. <i>Translational Neuroscience</i> , 2015, 6, 47-58.	0.7	6
238	Repetitive transcranial magnetic stimulation for stroke rehabilitation-potential therapy or misplaced hope?. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 557-569.	0.4	25
239	Biochanin A protects against focal cerebral ischemia/reperfusion in rats via inhibition of p38-mediated inflammatory responses. <i>Journal of the Neurological Sciences</i> , 2015, 348, 121-125.	0.3	56
240	Longitudinal Assessment of Imatinib's Effect on the Blood-Brain Barrier After Ischemia/Reperfusion Injury with Permeability MRI. <i>Translational Stroke Research</i> , 2015, 6, 39-49.	2.3	41
241	Neuroprotective effects of the allosteric agonist of metabotropic glutamate receptor 7 AMN082 on oxygen-glucose deprivation- and kainate-induced neuronal cell death. <i>Neurochemistry International</i> , 2015, 88, 110-123.	1.9	19
242	A Novel Mouse Model of Subcortical Infarcts with Dementia. <i>Journal of Neuroscience</i> , 2015, 35, 3915-3928.	1.7	82

#	ARTICLE	IF	CITATIONS
243	Kolaviron, a Garcinia kola Biflavonoid Complex, Protects Against Ischemia/Reperfusion Injury: Pertinent Mechanistic Insights from Biochemical and Physical Evaluations in Rat Brain. <i>Neurochemical Research</i> , 2015, 40, 777-787.	1.6	42
244	Activation of the Nrf2 defense pathway contributes to neuroprotective effects of phloretin on oxidative stress injury after cerebral ischemia/reperfusion in rats. <i>Journal of the Neurological Sciences</i> , 2015, 351, 88-92.	0.3	95
245	Delayed Reperfusion Deficits after Experimental Stroke Account for Increased Pathophysiology. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 277-284.	2.4	37
246	Dietary fats significantly influence the survival of penumbral neurons in a rat model of chronic ischemic by modifying lipid mediators, inflammatory biomarkers, NOS production, and redox-dependent apoptotic signals. <i>Nutrition</i> , 2015, 31, 1430-1442.	1.1	7
247	Repetitive Ischemic Preconditioning Attenuates Inflammatory Reaction and Brain Damage After Focal Cerebral Ischemia in Rats: Involvement of PI3K/Akt and ERK1/2 Signaling Pathway. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 912-922.	1.1	28
248	In vitro and in vivo efficacy of a potent opioid receptor agonist, biphalin, compared to subtype-selective opioid receptor agonists for stroke treatment. <i>Brain Research</i> , 2015, 1609, 1-11.	1.1	32
249	Modeling early-onset post-ischemic seizures in aging mice. <i>Experimental Neurology</i> , 2015, 271, 1-12.	2.0	19
250	Stroke and Pregnancy. <i>Journal of Neuroscience Nursing</i> , 2015, 47, 76-84.	0.7	6
251	Identification of Cerebral Small Vessel Disease Using Multiple Instance Learning. <i>Lecture Notes in Computer Science</i> , 2015, , 523-530.	1.0	12
252	The role of p38MAPK signal pathway in the neuroprotective mechanism of limb postconditioning against rat cerebral ischemia/reperfusion injury. <i>Journal of the Neurological Sciences</i> , 2015, 357, 270-275.	0.3	37
253	Nanomedicines and stroke: Toward translational research. <i>Journal of Drug Delivery Science and Technology</i> , 2015, 30, 278-299.	1.4	12
254	Perillyl alcohol improves functional and histological outcomes against ischemia/reperfusion injury by attenuation of oxidative stress and repression of COX-2, NOS-2 and NF- κ B in middle cerebral artery occlusion rats. <i>European Journal of Pharmacology</i> , 2015, 747, 190-199.	1.7	49
255	Ischemia/reperfusion-induced upregulation of TIGAR in brain is mediated by SP1 and modulated by ROS and hormones involved in glucose metabolism. <i>Neurochemistry International</i> , 2015, 80, 99-109.	1.9	34
257	Guanosine Protects Against Cortical Focal Ischemia. Involvement of Inflammatory Response. <i>Molecular Neurobiology</i> , 2015, 52, 1791-1803.	1.9	49
258	Neuroprotective Effect of Humic Acid on Focal Cerebral Ischemia Injury: an Experimental Study in Rats. <i>Inflammation</i> , 2015, 38, 32-39.	1.7	34
259	Assessment transcallosal Diaschisis in a model of focal cerebral ischemia in rats. <i>Colombia Medica</i> , 2016, , 87-93.	0.7	4
260	Immune System Involvement in the Degeneration, Neuroprotection, and Restoration after Stroke. , 0, , .		2
261	Evaluation of Neuroprotective Effect of Thymoquinone Nanoformulation in the Rodent Cerebral Ischemia-Reperfusion Model. <i>BioMed Research International</i> , 2016, 2016, 1-11.	0.9	38

#	ARTICLE	IF	CITATIONS
262	Omega-3 Fatty Acids: Possible Neuroprotective Mechanisms in the Model of Global Ischemia in Rats. <i>Journal of Nutrition and Metabolism</i> , 2016, 2016, 1-13.	0.7	9
263	Modulating Astrocyte Transition after Stroke to Promote Brain Rescue and Functional Recovery: Emerging Targets Include Rho Kinase. <i>International Journal of Molecular Sciences</i> , 2016, 17, 288.	1.8	45
264	Dementia, Preclinical Studies in Neurodegeneration and its Potential for Translational Medicine in South America. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 304.	1.7	10
265	Transcranial Magnetic Stimulation of Human Adult Stem Cells in the Mammalian Brain. <i>Frontiers in Neural Circuits</i> , 2016, 10, 17.	1.4	9
266	Necrostatin-1 Attenuates Inflammatory Response and Improves Cognitive Function in Chronic Ischemic Stroke Mice. <i>Medicines (Basel, Switzerland)</i> , 2016, 3, 16.	0.7	29
267	Guanosine: a Neuromodulator with Therapeutic Potential in Brain Disorders. , 2016, 7, 657.		86
268	Chapter 21 Transcranial Low-Level Laser (Light) Therapy for Stroke and Traumatic Brain Injury in Animal Models. , 2016, , 371-402.		0
269	miR-140-5p regulates angiogenesis following ischemic stroke by targeting VEGFA. <i>Molecular Medicine Reports</i> , 2016, 13, 4499-4505.	1.1	46
270	Study on cerebroprotective actions of Clerodendron glandulosum leaves extract against long term bilateral common carotid artery occlusion in rats. <i>Biomedicine and Pharmacotherapy</i> , 2016, 80, 87-94.	2.5	12
271	Glibenclamide enhances the effects of delayed hypothermia after experimental stroke in rats. <i>Brain Research</i> , 2016, 1643, 113-122.	1.1	10
272	Scutellarin as a Potential Therapeutic Agent for Microglia-Mediated Neuroinflammation in Cerebral Ischemia. <i>NeuroMolecular Medicine</i> , 2016, 18, 264-273.	1.8	46
273	Animal Stroke Model: Ischemiaâ€œReperfusion and Intracerebral Hemorrhage. <i>Methods in Molecular Biology</i> , 2016, 1462, 373-390.	0.4	8
274	Up-regulation of neurofilament light chains is associated with diminished immunoreactivities for MAP2 and tau after ischemic stroke in rodents and in a human case. <i>Journal of Chemical Neuroanatomy</i> , 2016, 78, 140-148.	1.0	31
275	Concurrent Glycogen and Lactate Imaging with FTIR Spectroscopy To Spatially Localize Metabolic Parameters of the Glial Response Following Brain Ischemia. <i>Analytical Chemistry</i> , 2016, 88, 10949-10956.	3.2	31
276	Neuroprotective effects of Kaempferide-7-O-(4â€œO-acetylramnosyl)-3-O-rutinoside on cerebral ischemia-reperfusion injury in rats. <i>European Journal of Pharmacology</i> , 2016, 788, 335-342.	1.7	17
277	Recent Trends in Nanotechnology Toward CNS Diseases. <i>International Review of Neurobiology</i> , 2016, 130, 1-40.	0.9	15
278	A novel nuclear factor erythroid 2-related factor 2 (Nrf2) activator RS9 attenuates brain injury after ischemia reperfusion in mice. <i>Neuroscience</i> , 2016, 333, 302-310.	1.1	46
279	Anesthesia for Endovascular Approaches to Acute Ischemic Stroke. <i>Anesthesiology Clinics</i> , 2016, 34, 497-509.	0.6	5

#	ARTICLE	IF	CITATIONS
280	Aqueous and Ethanolic Extracts of <i>Boswellia serrata</i> Protect Against Focal Cerebral Ischemia and Reperfusion Injury in Rats. <i>Phytotherapy Research</i> , 2016, 30, 1954-1967.	2.8	39
281	Determination of Vascular Reactivity of Middle Cerebral Arteries from Stroke and Spinal Cord Injury Animal Models Using Pressure Myography. <i>Methods in Molecular Biology</i> , 2016, 1462, 611-624.	0.4	6
282	Abolished perineuronal nets and altered parvalbumin-immunoreactivity in the nucleus reticularis thalami of wildtype and 3xTg mice after experimental stroke. <i>Neuroscience</i> , 2016, 337, 66-87.	1.1	9
283	Characterizing Dysregulated Networks in Individual Patients with Ischemic Stroke Based on Monte Carlo Cross-Validation. <i>DNA and Cell Biology</i> , 2016, 35, 795-801.	0.9	0
284	Functional topography of cardiovascular regulation along the rostrocaudal axis of the rat posterior insular cortex. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016, 43, 484-493.	0.9	29
285	The Possible Role of Toll-Like Receptor 4 in the Pathology of Stroke. <i>NeuroImmunoModulation</i> , 2016, 23, 131-136.	0.9	13
286	6 Diffusion Weighted Imaging in Vascular Pathology. , 2016, , .		0
287	Acute neuroinflammation in a clinically relevant focal cortical ischemic stroke model in rat: longitudinal positron emission tomography and immunofluorescent tracking. <i>Brain Structure and Function</i> , 2016, 221, 1279-1290.	1.2	49
288	Which Aspects of Stroke Do Animal Models Capture? A Multitracer Micro-PET Study of Focal Ischemia with Endothelin-1. <i>Cerebrovascular Diseases</i> , 2016, 41, 139-147.	0.8	13
289	Protective effect of Naoxintong against cerebral ischemia reperfusion injury in mice. <i>Journal of Ethnopharmacology</i> , 2016, 182, 181-189.	2.0	39
290	A review on animal models of stroke: An update. <i>Brain Research Bulletin</i> , 2016, 122, 35-44.	1.4	78
291	Stroke, Cognitive Function, and Alzheimer's Disease. , 2016, , 319-359.		0
292	Homeostatic changes in neuronal network oscillations in response to continuous hypoperfusion in the mouse forebrain. <i>Neuroscience Research</i> , 2016, 109, 28-34.	1.0	2
293	Impaired Arm Function and Finger Dexterity in a Nonhuman Primate Model of Stroke. <i>Stroke</i> , 2016, 47, 1109-1116.	1.0	23
294	Semax-Induced Changes in Growth Factor mRNA Levels in the Rat Brain on the Third Day After Ischemia. <i>International Journal of Peptide Research and Therapeutics</i> , 2016, 22, 197-209.	0.9	1
295	Pharmacological models and approaches for pathophysiological conditions associated with hypoxia and oxidative stress. , 2016, 158, 1-23.		52
296	Delayed neuroprotection against cerebral ischemia reperfusion injury: putative role of BDNF and GSK-3 β . <i>Journal of Receptor and Signal Transduction Research</i> , 2016, 36, 402-410.	1.3	20
297	Preclinical Studies of Stem Cell Transplantation in Intracerebral Hemorrhage: a Systemic Review and Meta-Analysis. <i>Molecular Neurobiology</i> , 2016, 53, 5269-5277.	1.9	27

#	ARTICLE	IF	CITATIONS
298	Inhibition of Peripheral TNF- α and Downregulation of Microglial Activation by Alpha-Lipoic Acid and Etanercept Protect Rat Brain Against Ischemic Stroke. <i>Molecular Neurobiology</i> , 2016, 53, 4961-4971.	1.9	44
299	Enhanced Neuroprotection of Acetyl-11-Keto- β -Boswellic Acid (AKBA)-Loaded O-Carboxymethyl Chitosan Nanoparticles Through Antioxidant and Anti-Inflammatory Pathways. <i>Molecular Neurobiology</i> , 2016, 53, 3842-3853.	1.9	59
300	Motor Cortex and Motor Cortical Interhemispheric Communication in Walking After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 94-102.	1.4	20
301	Estrogens as neuroprotectants: Estrogenic actions in the context of cognitive aging and brain injury. <i>Progress in Neurobiology</i> , 2017, 157, 188-211.	2.8	157
302	Ischemic stroke: experimental models and reality. <i>Acta Neuropathologica</i> , 2017, 133, 245-261.	3.9	425
303	Hypoxia Response Element-Regulated MMP-9 Promotes Neurological Recovery via Glial Scar Degradation and Angiogenesis in Delayed Stroke. <i>Molecular Therapy</i> , 2017, 25, 1448-1459.	3.7	59
304	The Effects of Early Exercise on Motor, Sense, and Memory Recovery in Rats With Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, e36-e43.	0.7	17
305	Neuroprotection in the Treatment of Acute Ischemic Stroke. <i>Progress in Cardiovascular Diseases</i> , 2017, 59, 542-548.	1.6	126
306	Role of Akt-independent mTORC1 and GSK3 β signaling in sublethal NMDA-induced injury and the recovery of neuronal electrophysiology and survival. <i>Scientific Reports</i> , 2017, 7, 1539.	1.6	24
307	Ischemic Cerebroprotection Conferred by Myeloid Lineage-Restricted or Global CD39 Transgene Expression. <i>Circulation</i> , 2017, 135, 2389-2402.	1.6	24
308	Diabetic aggravation of stroke and animal models. <i>Experimental Neurology</i> , 2017, 292, 63-79.	2.0	21
309	Stem cell transplantation therapy for multifaceted therapeutic benefits after stroke. <i>Progress in Neurobiology</i> , 2017, 157, 49-78.	2.8	127
310	Control of cerebral ischemia with magnetic nanoparticles. <i>Nature Methods</i> , 2017, 14, 160-166.	9.0	43
311	Tau exacerbates excitotoxic brain damage in an animal model of stroke. <i>Nature Communications</i> , 2017, 8, 473.	5.8	134
312	Fibroblast Growth Factor Type 1 (FGF1)-Overexpressed Adipose-Derived Mesenchymal Stem Cells (AD-MSCFGF1) Induce Neuroprotection and Functional Recovery in a Rat Stroke Model. <i>Stem Cell Reviews and Reports</i> , 2017, 13, 670-685.	5.6	43
313	Sesamol attenuates oxidative stress, apoptosis and inflammation in focal cerebral ischemia/reperfusion injury. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 841-847.	0.8	56
314	Animal Models of Ischemic Stroke Versus Clinical Stroke: Comparison of Infarct Size, Cause, Location, Study Design, and Efficacy of Experimental Therapies. , 2017, , 481-523.		5
315	Prospects of modeling poststroke epileptogenesis. <i>Journal of Neuroscience Research</i> , 2017, 95, 1000-1016.	1.3	38

#	ARTICLE	IF	CITATIONS
316	Modulation of Behavioral Deficits and Neurodegeneration by Tannic Acid in Experimental Stroke Challenged Wistar Rats. <i>Molecular Neurobiology</i> , 2017, 54, 5941-5951.	1.9	28
317	Investigation of Linarinic acid and one of its derivatives against cerebral ischemia in mice. <i>Asian Journal of Pharmaceutical Sciences</i> , 2017, 12, 165-171.	4.3	2
318	A new infarction detection method based on heart rate variability in rat middle cerebral artery occlusion model. , 2017, 2017, 3061-3064.		3
319	Neuroprotective effects of Yiqihuoxue calm wind capsule on ischemic stroke in rats. <i>Chinese Journal of Natural Medicines</i> , 2017, 15, 758-765.	0.7	4
320	CARACTERIZACIÓN TEMPORO-ESPACIAL DEL PATRÓN DE MARCHA EN ROEDORES COMO MODELO ANIMAL DE LESIÓN CEREBRAL CEREBROVASCULAR. <i>Acta Biologica Colombiana</i> , 2017, 22, 307-321.	0.1	0
321	RhGLP-1 (7â€³36) protects diabetic rats against cerebral ischemia-reperfusion injury via up-regulating expression of Nrf2/HO-1 and increasing the activities of SOD. <i>Korean Journal of Physiology and Pharmacology</i> , 2017, 21, 475.	0.6	10
322	MORIN MITIGATES OXIDATIVE STRESS, APOPTOSIS AND INFLAMMATION IN CEREBRAL ISCHEMIC RATS. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2017, 14, 348-355.	0.3	38
323	The Effects of Various Weather Conditions as a Potential Ischemic Stroke Trigger in Dogs. <i>Veterinary Sciences</i> , 2017, 4, 56.	0.6	2
324	Effects of skilled reach training with affected forelimb and treadmill exercise on the expression of neurotrophic factor following ischemia-induced brain injury in rats. <i>Journal of Physical Therapy Science</i> , 2017, 29, 647-650.	0.2	11
325	Damaged Neocortical Perineuronal Nets Due to Experimental Focal Cerebral Ischemia in Mice, Rats and Sheep. <i>Frontiers in Integrative Neuroscience</i> , 2017, 11, 15.	1.0	38
326	Endothelial Progenitor Cells for Ischemic Stroke: Update on Basic Research and Application. <i>Stem Cells International</i> , 2017, 2017, 1-12.	1.2	47
327	Potential Therapeutic Mechanisms and Tracking of Transplanted Stem Cells: Implications for Stroke Treatment. <i>Stem Cells International</i> , 2017, 2017, 1-11.	1.2	9
328	Role of Phosphorylated HDAC4 in Stroke-Induced Angiogenesis. <i>BioMed Research International</i> , 2017, 2017, 1-11.	0.9	19
329	Management of Cerebral Edema/Intracranial Pressure in Ischemic Stroke. , 2017, , 738-742.		1
330	Neuroprotective effect of Silibinin against middle cerebral artery occlusion induced focal cerebral ischemia and brain injury in Wistar rats. <i>Journal of Neuroscience and Behavioral Health</i> , 2017, 9, 10-15.	0.1	3
331	Molecular imaging of neuroinflammation in preclinical rodent models using positron emission tomography. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 61, 60-75.	0.4	4
332	Icariin protects against ischemiaâ€™reperfusion injury in H9C2 cells by upregulating heat shock protein 20. <i>Molecular Medicine Reports</i> , 2018, 17, 3336-3343.	1.1	8
333	Triptolide reduces ischemia/reperfusion injury in rats and H9C2 cells via inhibition of NFâ€™B, ROS and the ERK1/2 pathway. <i>International Journal of Molecular Medicine</i> , 2018, 41, 3127-3136.	1.8	14

#	ARTICLE	IF	CITATIONS
334	Neuroprotective Mechanisms of Calycosin Against Focal Cerebral Ischemia and Reperfusion Injury in Rats. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 537-546.	1.1	74
335	Experimental models of focal and multifocal cerebral ischemia: a review. <i>Reviews in the Neurosciences</i> , 2018, 29, 661-674.	1.4	7
336	Granulocyte-colony stimulating factor protects against endoplasmic reticulum stress in an experimental model of stroke. <i>Brain Research</i> , 2018, 1682, 1-13.	1.1	23
337	Targeting RNS/caveolin-1/MMP signaling cascades to protect against cerebral ischemia-reperfusion injuries: potential application for drug discovery. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 669-682.	2.8	53
338	Arachidonic acid attenuates brain damage in a rat model of ischemia/reperfusion by inhibiting inflammatory response and oxidative stress. <i>Human and Experimental Toxicology</i> , 2018, 37, 135-141.	1.1	23
339	MiR-377 Regulates Inflammation and Angiogenesis in Rats After Cerebral Ischemic Injury. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 327-337.	1.2	60
340	Neuroprotective effects of Ginkgo biloba extract and Ginkgolide B against oxygen-glucose deprivation/reoxygenation and glucose injury in a new in vitro multicellular network model. <i>Frontiers of Medicine</i> , 2018, 12, 307-318.	1.5	47
341	Cell-Based Drug Delivery and Use of Nano and Microcarriers for Cell Functionalization. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700818.	3.9	75
342	Interdisciplinary Advances Towards Understanding and Enhancing the Therapeutic Potential of Stem Cell-Based Therapies for Ischaemic Stroke. <i>Springer Series in Translational Stroke Research</i> , 2018, , 21-45.	0.1	0
343	Neural like cells and acetyl-salicylic acid alter rat brain structure and function following transient middle cerebral artery occlusion. <i>Biomolecular Concepts</i> , 2018, 9, 155-168.	1.0	5
344	MiR-539 Targets MMP-9 to Regulate the Permeability of Blood-Brain Barrier in Ischemia/Reperfusion Injury of Brain. <i>Neurochemical Research</i> , 2018, 43, 2260-2267.	1.6	32
345	Neuromodulatory Effects of Guanine-Based Purines in Health and Disease. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 376.	1.8	49
346	Modulation of Cerebellar Cortical Plasticity Using Low-Intensity Focused Ultrasound for Poststroke Sensorimotor Function Recovery. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 777-787.	1.4	35
347	Chemical characterization and cerebroprotective effect of methanolic root extract of <i>Colebrookea oppositifolia</i> in rats. <i>Journal of Ethnopharmacology</i> , 2018, 223, 63-75.	2.0	18
348	Neuroprotective Effects of Guanosine Administration on In Vivo Cortical Focal Ischemia in Female and Male Wistar Rats. <i>Neurochemical Research</i> , 2018, 43, 1476-1489.	1.6	12
349	Cell Type-Specific Mechanisms in the Pathogenesis of Ischemic Stroke: The Role of Apoptosis Signal-Regulating Kinase 1. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	1.9	30
350	Large animal models of stroke and traumatic brain injury as translational tools. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R165-R190.	0.9	74
351	The investigation of protective effects of isosteviol sodium on cerebral ischemia by metabolomics approach using ultra-high-performance liquid chromatography coupled with quadrupole time-of-flight tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2018, 32, e4350.	0.8	6

#	ARTICLE	IF	CITATIONS
352	Immunological and non-immunological effects of stem cell-derived extracellular vesicles on the ischaemic brain. <i>Therapeutic Advances in Neurological Disorders</i> , 2018, 11, 175628641878932.	1.5	24
353	Neuroprotective Effects of Bioactive Compounds and MAPK Pathway Modulation in "Ischemia" Stressed PC12 Pheochromocytoma Cells. <i>Brain Sciences</i> , 2018, 8, 32.	1.1	24
354	Post-injury Nose-to-Brain Delivery of Activin A and SerpinB2 Reduces Brain Damage in a Mouse Stroke Model. <i>Molecular Therapy</i> , 2018, 26, 2357-2365.	3.7	32
355	Ischemic stroke and select adipose-derived and sex hormones: a review. <i>Hormones</i> , 2018, 17, 167-182.	0.9	8
356	Ischemic Stroke Detection by Analyzing Heart Rate Variability in Rat Middle Cerebral Artery Occlusion Model. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 1152-1160.	2.7	19
357	Molecular Aspects of Ischemic Injury. , 2018, , 41-87.		1
358	Whole blood microRNA expression associated with stroke: Results from the Framingham Heart Study. <i>PLoS ONE</i> , 2019, 14, e0219261.	1.1	19
359	Neuroprotective Effects of Musk of Muskrat on Transient Focal Cerebral Ischemia in Rats. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-6.	0.5	12
360	Development of a Modified Surgical Technique for Simulating Ischemic Cerebral Cortex Injury in Rats. <i>In Vivo</i> , 2019, 33, 1175-1181.	0.6	4
361	Transcranial photobiomodulation for stroke in animal models. , 2019, , 113-123.		0
362	A Novel Method for Assessing Cerebral Edema, Infarcted Zone and Blood-Brain Barrier Breakdown in a Single Post-stroke Rodent Brain. <i>Frontiers in Neuroscience</i> , 2019, 13, 1105.	1.4	29
363	Notoginsenoside R1 for Organs Ischemia/Reperfusion Injury: A Preclinical Systematic Review. <i>Frontiers in Pharmacology</i> , 2019, 10, 1204.	1.6	20
364	Microcirculatory Changes in Experimental Models of Stroke and CNS-Injury Induced Immunodepression. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5184.	1.8	12
365	Computational simulations of thrombolysis in acute stroke: Effect of clot size and location on recanalisation. <i>Medical Engineering and Physics</i> , 2019, 73, 9-17.	0.8	10
366	Neuroprotective Effects and Mechanisms of Zhenlong Xingnao Capsule in In Vivo and In Vitro Models of Hypoxia. <i>Frontiers in Pharmacology</i> , 2019, 10, 1096.	1.6	9
367	Neuropathological findings suggestive for a stroke in an alpaca (<i>Vicugna pacos</i>). <i>Acta Veterinaria Scandinavica</i> , 2019, 61, 1.	0.5	8
368	Orally Administered Crocin Protects Against Cerebral Ischemia/Reperfusion Injury Through the Metabolic Transformation of Crocetin by Gut Microbiota. <i>Frontiers in Pharmacology</i> , 2019, 10, 440.	1.6	26
369	Endothelial progenitor cells: Potential novel therapeutics for ischaemic stroke. <i>Pharmacological Research</i> , 2019, 144, 181-191.	3.1	57

#	ARTICLE	IF	CITATIONS
370	Critical Role of Nrf2 in Experimental Ischemic Stroke. <i>Frontiers in Pharmacology</i> , 2019, 10, 153.	1.6	102
371	Anti-inflammatory Effects of Traditional Chinese Medicines on Preclinical in vivo Models of Brain Ischemia-Reperfusion-Injury: Prospects for Neuroprotective Drug Discovery and Therapy. <i>Frontiers in Pharmacology</i> , 2019, 10, 204.	1.6	33
372	Protective properties of the aqueous extract of saffron (<i>Crocus sativus</i> L.) in ischemic stroke, randomized clinical trial. <i>Journal of Ethnopharmacology</i> , 2019, 238, 111833.	2.0	18
373	Methylmercury intoxication and cortical ischemia: Pre-clinical study of their comorbidity. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 557-565.	2.9	18
374	Golden Exosomes Selectively Target Brain Pathologies in Neurodegenerative and Neurodevelopmental Disorders. <i>Nano Letters</i> , 2019, 19, 3422-3431.	4.5	252
375	Adenosine A1-A2A Receptor-Receptor Interaction: Contribution to Guanosine-Mediated Effects. <i>Cells</i> , 2019, 8, 1630.	1.8	26
376	Metabolomics facilitates the discovery of metabolic biomarkers and pathways for ischemic stroke: a systematic review. <i>Metabolomics</i> , 2019, 15, 152.	1.4	49
377	Sequential Transcriptome Changes in the Penumbra after Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6349.	1.8	16
378	Efficacy of Neuroprotective Drugs in Acute Ischemic Stroke: Is It Helpful?. <i>Journal of Neurosciences in Rural Practice</i> , 2019, 10, 576-581.	0.3	19
379	Neutrophils in tPA-induced hemorrhagic transformations: Main culprit, accomplice or innocent bystander?. , 2019, 194, 73-83.		13
380	NDRG4 protects against cerebral ischemia injury by inhibiting p53-mediated apoptosis. <i>Brain Research Bulletin</i> , 2019, 146, 104-111.	1.4	20
381	Functional and pharmacological analysis of agmatine administration in different cerebral ischemia animal models. <i>Brain Research Bulletin</i> , 2019, 146, 201-212.	1.4	4
382	Nanoengineered biomaterial for brain tissue reconstruction and functional repairment. , 2019, , 145-166.		3
383	Reliability of behavioral tests in the middle cerebral artery occlusion model of rat. <i>Laboratory Animals</i> , 2019, 53, 478-490.	0.5	12
384	The effect of age, sex and strains on the performance and outcome in animal models of stroke. <i>Neurochemistry International</i> , 2019, 127, 2-11.	1.9	25
385	Experimental chronic cerebral hypoperfusion results in decreased pericyte coverage and increased blood-brain barrier permeability in the corpus callosum. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 240-250.	2.4	60
386	Current advances in ischemic stroke research and therapies. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165260.	1.8	315
387	Imaging Functional Recovery Following Ischemic Stroke: Clinical and Preclinical fMRI Studies. <i>Journal of Neuroimaging</i> , 2020, 30, 5-14.	1.0	37

#	ARTICLE	IF	CITATIONS
388	Acrolein is involved in ischemic stroke-induced neurotoxicity through spermidine/spermine-N1-acetyltransferase activation. <i>Experimental Neurology</i> , 2020, 323, 113066.	2.0	33
389	Calycosin Preserves BDNF/TrkB Signaling and Reduces Post-Stroke Neurological Injury after Cerebral Ischemia by Reducing Accumulation of Hypertrophic and TNF- α -Containing Microglia in Rats. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 15, 326-339.	2.1	34
390	Real-time imaging of infarction deterioration after ischemic stroke in rats using electrical impedance tomography. <i>Physiological Measurement</i> , 2020, 41, 015004.	1.2	14
391	Neuroprotective potential of azilsartan against cerebral ischemic injury: Possible involvement of mitochondrial mechanisms. <i>Neurochemistry International</i> , 2020, 132, 104604.	1.9	26
392	Motor deficit in the mouse ferric chloride-induced distal middle cerebral artery occlusion model of stroke. <i>Behavioural Brain Research</i> , 2020, 380, 112418.	1.2	18
393	Neuroprotective effects of human neural stem cells over-expressing choline acetyltransferase in a middle cerebral artery occlusion model. <i>Journal of Chemical Neuroanatomy</i> , 2020, 103, 101730.	1.0	15
394	Rodent models for intravascular ischemic cerebral infarction: a review of influencing factors and method optimization. <i>NeuroReport</i> , 2020, 31, 1154-1160.	0.6	3
395	Preclinical models of disease and multimorbidity with focus upon cardiovascular disease and dementia. <i>Mechanisms of Ageing and Development</i> , 2020, 192, 111361.	2.2	7
396	Increased Immunosignals of Collagen IV and Fibronectin Indicate Ischemic Consequences for the Neurovascular Matrix Adhesion Zone in Various Animal Models and Human Stroke Tissue. <i>Frontiers in Physiology</i> , 2020, 11, 575598.	1.3	18
397	Deficits in motor and cognitive functions in an adult mouse model of hypoxia-ischemia induced stroke. <i>Scientific Reports</i> , 2020, 10, 20646.	1.6	19
398	Validation of a stroke model in rat compatible with rt-PA-induced thrombolysis: new hope for successful translation to the clinic. <i>Scientific Reports</i> , 2020, 10, 12191.	1.6	7
399	Opium consumption exerts protective effect against cerebral ischemia through reducing inflammation and enhancing antioxidant defense in male rats. <i>Neurology Psychiatry and Brain Research</i> , 2020, 37, 15-20.	2.0	5
400	Extracellular DNA is a Danger Signal Triggering Immunothrombosis. <i>Frontiers in Immunology</i> , 2020, 11, 568513.	2.2	33
401	Narirutin-rich fraction from grape fruit peel protects against transient cerebral ischemia reperfusion injury in rats. <i>Nutritional Neuroscience</i> , 2022, 25, 920-930.	1.5	9
402	Comparison of the differentiation of dental pulp stem cells and periodontal ligament stem cells into neuron-like cells and their effects on focal cerebral ischemia. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 1016-1029.	0.9	17
403	Association Between PSD95 Gene 3'UTR Single Nucleotide Polymorphism and Risk of Acute Ischemic Stroke in Chinese Han Population. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 1389-1402.	1.1	1
404	Pinosylvin provides neuroprotection against cerebral ischemia and reperfusion injury through enhancing PINK1/Parkin mediated mitophagy and Nrf2 pathway. <i>Journal of Functional Foods</i> , 2020, 71, 104019.	1.6	11
405	New PAR1 Agonist Peptide Demonstrates Protective Action in a Mouse Model of Photothrombosis-Induced Brain Ischemia. <i>Frontiers in Neuroscience</i> , 2020, 14, 335.	1.4	1

#	ARTICLE	IF	CITATIONS
406	Effects of nicorandil on neurobehavioral function, BBB integrity, edema and stereological parameters of the brain in the sub-acute phase of stroke in a rat model. <i>Journal of Biosciences</i> , 2020, 45, 1.	0.5	11
407	LncRNA H19 promotes inflammatory response induced by cerebral ischemiaâ€“reperfusion injury through regulating the miR-138-5pâ€“p53 axis. <i>Biochemistry and Cell Biology</i> , 2020, 98, 525-536.	0.9	23
408	Inhibition of GSK3 β and RIP1K Attenuates Glial Scar Formation Induced by Ischemic Stroke via Reduction of Inflammatory Cytokine Production. <i>Frontiers in Pharmacology</i> , 2020, 11, 812.	1.6	18
409	Genetically Encoded Tools for Research of Cell Signaling and Metabolism under Brain Hypoxia. <i>Antioxidants</i> , 2020, 9, 516.	2.2	10
410	Inhibition of JNK Alleviates Chronic Hypoperfusion-Related Ischemia Induces Oxidative Stress and Brain Degeneration via Nrf2/HO-1 and NF- κ B Signaling. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-18.	1.9	27
411	Whole body hypothermia extends tissue plasminogen activator treatment window in the rat model of embolic stroke. <i>Life Sciences</i> , 2020, 256, 117450.	2.0	3
412	<p>Nanocarriers for Stroke Therapy: Advances and Obstacles in Translating Animal Studies</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 445-464.	3.3	25
413	Hypoxia-inducible factor (HIF) prolyl hydroxylase inhibitors induce autophagy and have a protective effect in an in-vitro ischaemia model. <i>Scientific Reports</i> , 2020, 10, 1597.	1.6	34
414	Abatement of neurobehavioral and neurochemical dysfunctions in cerebral ischemia/reperfusion injury by Tetrapleura tetraptera fruit extract. <i>Journal of Ethnopharmacology</i> , 2021, 264, 113284.	2.0	14
415	Protection against acute cerebral ischemia/reperfusion injury by Leonuri Herba Total Alkali via modulation of BDNF-TrkB-PI3K/Akt signaling pathway in rats. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111021.	2.5	35
416	Protective effects of polysaccharides on cerebral ischemia: A mini-review of the mechanisms. <i>International Journal of Biological Macromolecules</i> , 2021, 169, 463-472.	3.6	12
417	A Review of Translational Magnetic Resonance Imaging in Human and Rodent Experimental Models of Small Vessel Disease. <i>Translational Stroke Research</i> , 2021, 12, 15-30.	2.3	18
418	Contribution of TRPC Channels in Neuronal Excitotoxicity Associated With Neurodegenerative Disease and Ischemic Stroke. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 618663.	1.8	18
419	Dynamic change of MMP-9 in diabetic stroke visualized by optical imaging and treated with CD28 superagonist. <i>Biomaterials Science</i> , 2021, 9, 2562-2570.	2.6	6
420	Boeravinone B Protects Brain against Cerebral Ischemia Reperfusion Injury in Rats: Possible Role of Anti-inflammatory and Antioxidant. <i>Journal of Oleo Science</i> , 2021, 70, 927-936.	0.6	12
421	PKM2 Aggravates Cerebral Ischemia Reperfusion-Induced Neuroinflammation via TLR4/MyD88/TRAF6 Signaling Pathway. <i>NeuroImmunoModulation</i> , 2021, 28, 29-37.	0.9	10
422	Absolute quantitative analysis of endogenous neurotransmitters and amino acids by liquid chromatography-tandem mass spectrometry combined with multidimensional adsorption and collision energy defect. <i>Journal of Chromatography A</i> , 2021, 1638, 461867.	1.8	10
424	Novel Mechanistic Insights and Potential Therapeutic Impact of TRPC6 in Neurovascular Coupling and Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2074.	1.8	32

#	ARTICLE	IF	CITATIONS
425	Methylphenidate exerts neuroprotective effects through the AMPK signaling pathway. Human and Experimental Toxicology, 2021, 40, 1422-1433.	1.1	3
426	A review of experimental models of focal cerebral ischemia focusing on the middle cerebral artery occlusion model. F1000Research, 2021, 10, 242.	0.8	1
427	Specific depletion of resident microglia in the early stage of stroke reduces cerebral ischemic damage. Journal of Neuroinflammation, 2021, 18, 81.	3.1	48
428	Preclinical Stroke Research and Translational Failure: A Bird's Eye View on Preventable Variables. Cellular and Molecular Neurobiology, 2021, , 1.	1.7	12
429	Effects of intranasal guanosine administration on brain function in a rat model of ischemic stroke. Purinergic Signalling, 2021, 17, 255-271.	1.1	6
430	Blood-brain barrier dysfunction in hemorrhagic transformation: a therapeutic opportunity for nanoparticles and melatonin. Journal of Neurophysiology, 2021, 125, 2025-2033.	0.9	3
431	Regulation of Tau protein phosphorylation by glucosamine-induced O-GlcNAcylation as a neuroprotective mechanism in a brain ischemia-reperfusion model. International Journal of Neuroscience, 2023, 133, 194-200.	0.8	4
432	Neuroprotective Phytochemicals in Experimental Ischemic Stroke: Mechanisms and Potential Clinical Applications. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-45.	1.9	50
433	Preclinical animal studies in ischemic stroke: Challenges and some solutions. Animal Models and Experimental Medicine, 2021, 4, 104-115.	1.3	34
434	The paradox: Ischemic cerebrovascular accidents and obesity – A retrospective Nationwide inpatient study. Obesity Medicine, 2021, 23, 100339.	0.5	0
435	Translational Block in Stroke: A Constructive and “Out-of-the-Box” Reappraisal. Frontiers in Neuroscience, 2021, 15, 652403.	1.4	21
436	Xuesaitong exerts long-term neuroprotection for stroke recovery by inhibiting the ROCKII pathway, in vitro and in vivo. Journal of Ethnopharmacology, 2021, 272, 113943.	2.0	15
437	Fatty Acid-Binding Proteins Aggravate Cerebral Ischemia-Reperfusion Injury in Mice. Biomedicines, 2021, 9, 529.	1.4	14
438	Intracisternal administration of tanshinone IIA-loaded nanoparticles leads to reduced tissue injury and functional deficits in a porcine model of ischemic stroke. IBRO Neuroscience Reports, 2021, 10, 18-30.	0.7	9
439	Pathways Involved in Remyelination after Cerebral Ischemia. Current Neuropharmacology, 2022, 20, 751-765.	1.4	11
440	Cerebrospinal fluid analysis lacks diagnostic specificity in dogs with vestibular disease. Veterinary Record, 2021, 189, e557.	0.2	0
441	Ameliorative Effect of Parishin C Against Cerebral Ischemia-Induced Brain Tissue Injury by Reducing Oxidative Stress and Inflammatory Responses in Rat Model. Neuropsychiatric Disease and Treatment, 2021, Volume 17, 1811-1823.	1.0	10
442	Use of quantitative magnetic resonance angiography in patients with symptomatic intracranial arterial stenosis who undergo stenting: Presentation of three cases. Journal of Cerebrovascular and Endovascular Neurosurgery, 2021, 23, 136-144.	0.2	3

#	ARTICLE	IF	CITATIONS
443	A review of experimental models of focal cerebral ischemia focusing on the middle cerebral artery occlusion model. <i>F1000Research</i> , 2021, 10, 242.	0.8	13
444	A novel model of ischemia in rats with middle cerebral artery occlusion using a microcatheter and zirconia ball under fluoroscopy. <i>Scientific Reports</i> , 2021, 11, 12806.	1.6	10
445	Cerebral ischemic stroke and different approaches for treatment of stroke. <i>Future Journal of Pharmaceutical Sciences</i> , 2021, 7, .	1.1	4
446	Modified middle cerebral artery occlusion model provides detailed intraoperative cerebral blood flow registration and improves neurobehavioral evaluation. <i>Journal of Neuroscience Methods</i> , 2021, 358, 109179.	1.3	9
447	Role of Purinergic Signalling in Endothelial Dysfunction and Thrombo-Inflammation in Ischaemic Stroke and Cerebral Small Vessel Disease. <i>Biomolecules</i> , 2021, 11, 994.	1.8	24
448	Necroptosis: A Novel Pathway in Neuroinflammation. <i>Frontiers in Pharmacology</i> , 2021, 12, 701564.	1.6	58
449	Salivary cytokine profile in patients with ischemic stroke. <i>Scientific Reports</i> , 2021, 11, 17185.	1.6	10
450	Mild traumatic brain injury increases vulnerability to cerebral ischemia in mice. <i>Experimental Neurology</i> , 2021, 342, 113765.	2.0	9
451	Circular RNA 0025984 Ameliorates Ischemic Stroke Injury and Protects Astrocytes Through miR-143-3p/TET1/ORP150 Pathway. <i>Molecular Neurobiology</i> , 2021, 58, 5937-5953.	1.9	34
452	A Review on Preclinical Models of Ischemic Stroke: Insights Into the Pathomechanisms and New Treatment Strategies. <i>Current Neuropharmacology</i> , 2022, 20, 1667-1686.	1.4	6
453	Animal models of stroke. <i>Animal Models and Experimental Medicine</i> , 2021, 4, 204-219.	1.3	53
454	Synthesis and biological evaluation of 1,2,4-oxadiazole core derivatives as potential neuroprotectants against acute ischemic stroke. <i>Neurochemistry International</i> , 2021, 148, 105103.	1.9	6
455	Application of Metabolomics to the Discovery of Biomarkers for Ischemic Stroke in the Murine Model: a Comparison with the Clinical Results. <i>Molecular Neurobiology</i> , 2021, 58, 6415-6426.	1.9	26
456	Systemic macrophage depletion attenuates infarct size in an experimental mouse model of stroke. <i>Journal of Cerebrovascular and Endovascular Neurosurgery</i> , 2021, 23, 304-313.	0.2	2
457	Surgical Models of Laboratory Animals. , 2021, , 783-806.		0
458	Inflammation and White Matter Injury in Animal Models of Ischemic Stroke. , 2014, , 461-504.		3
459	Modeling Early-Onset Postischemic Seizures in Adult and Aging Mice. <i>Neuromethods</i> , 2020, , 185-212.	0.2	1
460	Gene Therapy for Cognitive Recovering After Ischemic Stroke. <i>Springer Series in Translational Stroke Research</i> , 2018, , 259-280.	0.1	1

#	ARTICLE	IF	CITATIONS
461	miR-652 protects rats from cerebral ischemia/reperfusion oxidative stress injury by directly targeting NOX2. <i>Biomedicine and Pharmacotherapy</i> , 2020, 124, 109860.	2.5	34
462	A novel approach for mechanical tissue characterization indicates decreased elastic strength in brain areas affected by experimental thromboembolic stroke. <i>NeuroReport</i> , 2015, 26, 583-587.	0.6	10
463	In vivo brain imaging with multimodal optical coherence microscopy in a mouse model of thromboembolic photochemical stroke. <i>Neurophotonics</i> , 2020, 7, 1.	1.7	6
464	Mode of action of granulocyte-colony stimulating factor (G-CSF) as a novel therapy for stroke in a mouse model. <i>Journal of Biomedical Science</i> , 2020, 27, 19.	2.6	34
465	Propofol Attenuates Inflammatory Damage <i>via</i> Inhibiting NLRP1-Casp1-Casp6 Signaling in Ischemic Brain Injury. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 1481-1489.	0.6	16
466	Protective Effect of Luteolin Against Renal Ischemia/Reperfusion Injury via Modulation of Pro-Inflammatory Cytokines, Oxidative Stress and Apoptosis for Possible Benefit in Kidney Transplant. <i>Medical Science Monitor</i> , 2017, 23, 5720-5727.	0.5	27
467	Biochanin A Provides Neuroprotection Against Cerebral Ischemia/Reperfusion Injury by Nrf2-Mediated Inhibition of Oxidative Stress and Inflammation Signaling Pathway in Rats. <i>Medical Science Monitor</i> , 2019, 25, 8975-8983.	0.5	58
468	The promoter polymorphism of NFKB1 gene contributes to susceptibility of ischemic stroke in Korean population. <i>Journal of Exercise Rehabilitation</i> , 2018, 14, 1096-1100.	0.4	7
469	Small separation diffuse correlation spectroscopy for measurement of cerebral blood flow in rodents. <i>Biomedical Optics Express</i> , 2018, 9, 5719.	1.5	16
470	Blood-Brain Barrier Breakdown after Embolic Stroke in Rats Occurs without Ultrastructural Evidence for Disrupting Tight Junctions. <i>PLoS ONE</i> , 2013, 8, e56419.	1.1	139
471	Intravenous Administration of <i>Achyranthes Bidentata</i> Polypeptides Supports Recovery from Experimental Ischemic Stroke in Vivo. <i>PLoS ONE</i> , 2013, 8, e57055.	1.1	20
472	The Potential Therapeutic Effect of Guanosine after Cortical Focal Ischemia in Rats. <i>PLoS ONE</i> , 2014, 9, e90693.	1.1	45
473	A Comparative Study of Variables Influencing Ischemic Injury in the Longa and Koizumi Methods of Intraluminal Filament Middle Cerebral Artery Occlusion in Mice. <i>PLoS ONE</i> , 2016, 11, e0148503.	1.1	96
474	Protein Synthesis Inhibition in the Peri-Infarct Cortex Slows Motor Recovery in Rats. <i>PLoS ONE</i> , 2016, 11, e0157859.	1.1	3
475	Impact of Stroke Therapy Academic Industry Roundtable (STAIR) Guidelines on Peri-Anesthesia Care for Rat Models of Stroke: A Meta-Analysis Comparing the Years 2005 and 2015. <i>PLoS ONE</i> , 2017, 12, e0170243.	1.1	22
476	Evolution of blood-brain-barrier permeability after acute ischemic stroke. <i>PLoS ONE</i> , 2017, 12, e0171558.	1.1	127
478	New monocyte locomotion inhibitory factor analogs protect against cerebral ischemia-reperfusion injury in rats. <i>Bosnian Journal of Basic Medical Sciences</i> , 2017, 17, 221-227.	0.6	5
479	Innate Inflammatory Responses in Stroke: Mechanisms and Potential Therapeutic Targets. <i>Current Medicinal Chemistry</i> , 2014, 21, 2076-2097.	1.2	210

#	ARTICLE	IF	CITATIONS
480	Inflammatory Responses in Brain Ischemia. <i>Current Medicinal Chemistry</i> , 2015, 22, 1258-1277.	1.2	210
481	Combination of Therapeutic Hypothermia and Other Neuroprotective Strategies after An Ischemic Cerebral Insult. <i>Current Neuropharmacology</i> , 2014, 12, 399-412.	1.4	22
482	The Contribution of Formyl Peptide Receptor Dysfunction to the Course of Neuroinflammation: A Potential Role in the Brain Pathology. <i>Current Neuropharmacology</i> , 2020, 18, 229-249.	1.4	21
483	Caveolin-1 in Stroke Neuropathology and Neuroprotection: A Novel Molecular Therapeutic Target for Ischemic-Related Injury. <i>Current Vascular Pharmacology</i> , 2018, 17, 41-49.	0.8	12
484	Cofilin Rod Formation in Neurons Impairs Neuronal Structure and Function. <i>CNS and Neurological Disorders - Drug Targets</i> , 2015, 14, 554-560.	0.8	15
485	Combined Ischemic Preconditioning and Resveratrol Improved Bloodbrain Barrier Breakdown via Hippo/YAP/TAZ Signaling Pathway. <i>CNS and Neurological Disorders - Drug Targets</i> , 2020, 18, 713-722.	0.8	11
486	Animal Models of Ischemic Stroke. Part One: Modeling Risk Factors. <i>The Open Neurology Journal</i> , 2010, 4, 26-33.	0.4	7
487	Animal Models of Ischemic Stroke. Part One: Modeling Risk Factors. <i>The Open Neurology Journal</i> , 2010, 4, 26-33.	0.4	18
488	Animal Models of Ischemic Stroke. Part Two: Modeling Cerebral Ischemia. <i>The Open Neurology Journal</i> , 2010, 4, 34-38.	0.4	109
489	Methanolic leaf extract of attenuates ischemia-reperfusion brain injury in Wistar rats: Potential antioxidant and anti-inflammatory mechanisms. <i>Iranian Journal of Basic Medical Sciences</i> , 2019, 22, 187-196.	1.0	9
490	Regulatory effect of Dimethyl Sulfoxide (DMSO) on astrocytic reactivity in a murine model of cerebral infarction by arterial embolization. <i>Colombia Medica</i> , 2013, , 31-36.	0.7	5
491	Vanillic Acid Improve Neural Function after Focal Cerebral Ischemia-reperfusion Rats. <i>International Journal of Pharmacology</i> , 2018, 14, 488-494.	0.1	13
492	Tao-Hong Si-Wu Decoction Alleviates Cerebral Ischemic Damage in Rats by Improving Anti-oxidant and Inhibiting Apoptosis Pathway. <i>International Journal of Pharmacology</i> , 2020, 16, 214-222.	0.1	1
493	Neuroprotective effects of the immunomodulatory drug Setarud on cerebral ischemia in male rats. <i>Neural Regeneration Research</i> , 2012, 7, 2085-91.	1.6	14
494	Middle cerebral artery occlusion methods in rat versus mouse models of transient focal cerebral ischemic stroke. <i>Neural Regeneration Research</i> , 2014, 9, 757.	1.6	36
495	Inflammatory response and neuronal necrosis in rats with cerebral ischemia. <i>Neural Regeneration Research</i> , 2014, 9, 1753.	1.6	17
496	Neuroprotective effects of daidzein on focal cerebral ischemia injury in rats. <i>Neural Regeneration Research</i> , 2015, 10, 146.	1.6	54
497	A role for lipids as agents to alleviate stroke damage: the neuroprotective effect of 2-hydroxy arachidonic acid. <i>Neural Regeneration Research</i> , 2017, 12, 1273.	1.6	3

#	ARTICLE	IF	CITATIONS
498	ESE1 expression correlates with neuronal apoptosis in the hippocampus after cerebral ischemia/reperfusion injury. <i>Neural Regeneration Research</i> , 2019, 14, 841.	1.6	8
499	Selection of preclinical models to evaluate intranasal brain cooling for acute ischemic stroke. <i>Brain Circulation</i> , 2019, 5, 160.	0.7	5
500	Polymorphism of Nitric Oxide Synthase 1 Affects the Clinical Phenotypes of Ischemic Stroke in Korean Population. <i>Annals of Rehabilitation Medicine</i> , 2016, 40, 102.	0.6	5
502	Protective Effect of an Ethanol Extract Mixture of <i>Curcuma longae Radix</i> , <i>Phellinus linteus</i> , and <i>Scutellariae Radix</i> on Oxidative Neuronal Damage. <i>Korean Journal of Medicinal Crop Science</i> , 2011, 19, 31-37.	0.1	5
503	Neurobiology of Postischemic Recuperation in the Aged Mammalian Brain. , 2009, , 403-451.		0
505	Hypothermia as an Alternative for the Management of Cerebral Ischemia. , 0, , .		0
506	Effects of Sopung-tang on Cerebral Infarct Induced by MCAO in Hyperlipidemic Rats. <i>The Korea Journal of Herbology</i> , 2014, 29, 71-78.	0.2	0
508	The Right Rodent for the Job: Infarct Variability Between Strains and Its Impact on Logistics of Experimental Animal Studies. <i>Springer Series in Translational Stroke Research</i> , 2017, , 667-687.	0.1	1
509	Terapia gÄ©nica en enfermedades neurodegenerativas y demencia post infarto cerebral: perspectiva de traslaciA³n. <i>Revista De La Academia Colombiana De Ciencias Exactas, Físicas Y Naturales</i> , 2017, 41, 6.	0.0	0
510	CEREBROPROTECTION BY GERMANIUM COORDINATION COMPOUNDS IN EXPERIMENTAL ACUTE GLOBAL BRAIN ISCHEMIA. <i>International Journal of Medicine and Medical Research</i> , 2018, , .	0.0	4
511	Neurochemical Effects of Vitamins C, E and DMSO Combinations on Oxidative Stress Biomarkers and Severity of Ischemic Stroke in Wistar Rats. <i>Archives in Neurology & Neuroscience</i> , 2018, 1, .	0.1	1
512	Cerebral Ischemia and Estrogen Role: A Review about Classification, Experimental Models, Mechanism of Neural Cell Death after Ischemia and Estrogen Role in Ischemia. <i>Journal of Advanced Pharmacy Research</i> , 2019, .	0.1	0
513	Neuroprotective Effects of Picoside II on Rats Following Cerebral Ischemia Reperfusion Injury by Inhibiting p53 Signaling Pathway. <i>International Journal of Pharmacology</i> , 2019, 15, 790-800.	0.1	1
515	Early amantadine treatment reduces the risk of death in patients with large hemisphere infarctions:a Chinese hospital-based study. <i>BMC Neurology</i> , 2021, 21, 419.	0.8	2
516	Artery diameter ratio after recanalization in endovascular therapy for acute ischemic stroke: a new predictor of clinical outcomes. <i>Neuroradiology</i> , 2022, 64, 785-793.	1.1	1
517	Research Progress on Effects of MicroRNA in Cerebral Ischemia/Reperfusion Injury. <i>Advances in Clinical Medicine</i> , 2020, 10, 2978-2985.	0.0	0
518	Senolytic Therapy for Cerebral Ischemia-Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11967.	1.8	26
519	Modulatory effect of 17Î²-estradiol on myeloid cell infiltration into the male rat brain after ischemic stroke. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 202, 105667.	1.2	5

#	ARTICLE	IF	CITATIONS
520	Effects of Semelil (ANGIPARSâ,ç) on focal cerebral ischemia in male rats. DARU, Journal of Pharmaceutical Sciences, 2010, 18, 265-9.	0.9	7
521	Age and the metabolic syndrome as risk factors for ischemic stroke: improving preclinical models of ischemic stroke. Yale Journal of Biology and Medicine, 2012, 85, 523-39.	0.2	25
522	Stereotactic coordinates for intracerebroventricular infusion after permanent focal cerebral ischemia in Wistar rats. Hippokratia, 2012, 16, 51-6.	0.3	4
523	The Effects of Antecedent Exercise on Motor Function Recovery and Brain-derived Neurotrophic Factor Expression after Focal Cerebral Ischemia in Rats. Journal of Physical Therapy Science, 2013, 25, 553-6.	0.2	12
524	Regulatory effect of Dimethyl Sulfoxide (DMSO) on astrocytic reactivity in a murine model of cerebral infarction by arterial embolization. Colombia Medica, 2013, 44, 31-6.	0.7	3
526	Neuroprotective effect of penehyclidine hydrochloride on focal cerebral ischemia-reperfusion injury. Neural Regeneration Research, 2013, 8, 622-32.	1.6	13
527	Study of the neuroprotective effects of memantine in patients with mild to moderate ischemic stroke. Iranian Journal of Pharmaceutical Research, 2014, 13, 591-8.	0.3	15
528	Resveratrol alleviates nerve injury after cerebral ischemia and reperfusion in mice by inhibiting inflammation and apoptosis. International Journal of Clinical and Experimental Medicine, 2015, 8, 3219-26.	1.3	30
529	Assessment transcallosal Diaschisis in a model of focal cerebral ischemia in rats. Colombia Medica, 2016, 47, 87-93.	0.7	4
530	A Novel Model of Transient Occlusion of the Middle Cerebral Artery in Awake Mice. Journal of Nature and Science, 2016, 2, .	1.1	1
532	Protective Properties of the Extract of Chrysanthemum on Patients with Ischemic Stroke. Journal of Healthcare Engineering, 2021, 2021, 1-8.	1.1	7
533	Translational Stroke Research Review: Using the Mouse to Model Human Futile Recanalization and Reperfusion Injury in Ischemic Brain Tissue. Cells, 2021, 10, 3308.	1.8	9
536	The Role of the ACE2/MasR Axis in Ischemic Stroke: New Insights for Therapy. Biomedicines, 2021, 9, 1667.	1.4	7
537	Study on the Pharmacodynamic Effect of <i>Rhizoma Dioscoreae</i> Polysaccharides on Cerebral Ischemia-Reperfusion Injury in Rats and the Possible Mechanism. SSRN Electronic Journal, 0, , .	0.4	0
538	Protective effect of <i>Saccharomyces cerevisiae</i> in <i>Rattus norvegicus</i> Ischemic Stroke Model. Research Journal of Pharmacy and Technology, 2021, , 5785-5789.	0.2	3
539	A Clotâ€Homing Nearâ€Infrared Probe for In Vivo Imaging of Murine Thromboembolic Models. Advanced Healthcare Materials, 2022, 11, e2102213.	3.9	3
540	Hypoxia Induced Sex-Difference in Zebrafish Brain Proteome Profile Reveals the Crucial Role of H3K9me3 in Recovery From Acute Hypoxia. Frontiers in Genetics, 2021, 12, 635904.	1.1	2
541	Skullcapflavone II protects neuronal damage in cerebral ischemic rats via inhibiting NF-ĀB and promoting angiogenesis. Microvascular Research, 2022, 141, 104318.	1.1	3

#	ARTICLE	IF	CITATIONS
542	Magnetic Resonance pH Imaging in Stroke – Combining the Old With the New. <i>Frontiers in Physiology</i> , 2021, 12, 793741.	1.3	1
543	Effects of nicorandil on neurobehavioral function, BBB integrity, edema and stereological parameters of the brain in the sub-acute phase of stroke in a rat model. <i>Journal of Biosciences</i> , 2020, 45, .	0.5	2
544	Neuroserpin, a crucial regulator for axogenesis, synaptic modelling and cell–cell interactions in the pathophysiology of neurological disease. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 172.	2.4	11
545	Depth-targeted intracortical microstroke by two-photon photothrombosis in rodent brain. <i>Neurophotonics</i> , 2022, 9, 021910.	1.7	7
546	CHIP ameliorates cerebral ischemia-reperfusion injury by attenuating necroptosis and inflammation. <i>Aging</i> , 2021, 13, 25564-25577.	1.4	7
547	Roles of Nitric Oxide in Brain Ischemia and Reperfusion. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4243.	1.8	21
548	Design, synthesis and biological evaluation of indoline derivatives as multifunctional agents for the treatment of ischemic stroke. <i>Medicinal Chemistry Research</i> , 2022, 31, 805-818.	1.1	1
549	LncRNA NEAT1 stabilized Wnt3a via U2AF2 and activated Wnt/ β -catenin pathway to alleviate ischemia stroke induced injury. <i>Brain Research</i> , 2022, 1788, 147921.	1.1	5
556	SMA low/undetectable pericytes differentiate into microglia- and macrophage-like cells in ischemic brain. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 264.	2.4	12
557	Salivary Xanthine Oxidase as a Potential Biomarker in Stroke Diagnostics. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	11
558	Repetitive transcranial magnetic stimulation (rTMS) for multiple neurological conditions in rodent animal models: A systematic review. <i>Neurochemistry International</i> , 2022, 157, 105356.	1.9	7
559	Neuroprotective Effects of Celastrol in Neurodegenerative Diseases-Unscramble Its Major Mechanisms of Action and Targets. , 2022, 13, 815.		10
560	Neuroprotection of everolimus against focal cerebral ischemia-reperfusion injury in rats. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106576.	0.7	2
561	Regionally Altered Immunosignals of Surfactant Protein-G, Vascular and Non-Vascular Elements of the Neurovascular Unit after Experimental Focal Cerebral Ischemia in Mice, Rats, and Sheep. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5875.	1.8	2
562	Phenolic compounds can induce systemic and central immunomodulation, which result in a neuroprotective effect. <i>Journal of Food Biochemistry</i> , 2022, 46, .	1.2	5
563	NLRP1 Inflammasomes: A Potential Target for the Treatment of Several Types of Brain Injury. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	13
565	Study on the pharmacodynamic effect of Rhizoma Dioscoreae polysaccharides on cerebral ischemia-reperfusion injury in rats and the possible mechanism. <i>Journal of Ethnopharmacology</i> , 2022, 296, 115517.	2.0	4
566	Cerebrovascular disease–stroke. , 2023, , 457-476.		5

#	ARTICLE	IF	CITATIONS
567	Neural Mechanism Underlying Task-Specific Enhancement of Motor Learning by Concurrent Transcranial Direct Current Stimulation. <i>Neuroscience Bulletin</i> , 2023, 39, 69-82.	1.5	5
568	Paracrine Effects of Mesenchymal Stem Cells in Ischemic Stroke: Opportunities and Challenges. <i>Molecular Neurobiology</i> , 2022, 59, 6281-6306.	1.9	15
569	The Neuroprotective Effects of Exosomes Derived from TSG101-Overexpressing Human Neural Stem Cells in a Stroke Model. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9532.	1.8	11
570	Exercise on Striatal Dopamine Level and Anxiety-Like Behavior in Male Rats after 2-VO Cerebral Ischemia. <i>Behavioural Neurology</i> , 2022, 2022, 1-13.	1.1	1
571	Hemodynamics and Tissue Optical Properties in Bimodal Infarctions Induced by Middle Cerebral Artery Occlusion. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10318.	1.8	3
572	Transient Intraluminal Filament Middle Cerebral Artery Occlusion Stroke Model in Rats: A Step-by-Step Guide and Technical Considerations. <i>World Neurosurgery</i> , 2022, 168, 43-50.	0.7	0
573	Activation of Meningeal Afferents Relevant to Trigeminal Headache Pain after Photothrombotic Stroke Lesion: A Pilot Study in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12590.	1.8	1
574	Precision 1070Ånm Ultrafast Laser-Induced Photothrombosis of Depth-Targeted Vessels In Vivo. <i>Small Methods</i> , 2023, 7, .	4.6	1
575	Quantitative Analyses and Validation of Phospholipids and Sphingolipids in Ischemic Rat Brains. <i>Metabolites</i> , 2022, 12, 1075.	1.3	2
576	Anti-ischemic effect of monoterpene citronellol on experimental stroke models mediated by proinflammatory cytokines. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2022, 26, .	0.6	0
577	Phthalide derivative CD21 regulates the platelet- neutrophil extracellular trap-thrombin axis and protects against ischemic brain injury in rodents. <i>International Immunopharmacology</i> , 2023, 114, 109547.	1.7	1
578	Sound out the impaired perfusion: Photoacoustic imaging in preclinical ischemic stroke. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	1
579	Neutrophil dynamics and inflammaging in acute ischemic stroke: A transcriptomic review. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	3
580	Phytochemistry and Polypharmacological potential of <i>Colebrookea oppositifolia</i> Sm. <i>Current Topics in Medicinal Chemistry</i> , 2022, 23, .	1.0	1
581	Distribution of Embryonic Stem Cell-Derived Mesenchymal Stem Cells after Intravenous Infusion in Hypoxic-Ischemic Encephalopathy. <i>Life</i> , 2023, 13, 227.	1.1	2
582	Mouse Models of Ischemia. , 2011, , 251-273.		0
583	La asociaci3n atorvastatina-meloxicam reduce el da±o cerebral, atenuando la gliosis reactiva consecuente a embolismo arterial. <i>Iatreia</i> , 2013, 26, .	0.1	0
584	Global cerebral ischemia followed by long-term reperfusion promotes neurodegeneration, oxidative stress, and inflammation in the small intestine in Wistar rats. <i>Tissue and Cell</i> , 2023, 81, 102033.	1.0	0

#	ARTICLE	IF	CITATIONS
586	Neuroprotective properties of Betulin, Betulinic acid, and Ursolic acid as triterpenoids derivatives: a comprehensive review of mechanistic studies. <i>Nutritional Neuroscience</i> , 2024, 27, 223-240.	1.5	7
587	A Novel Rat Model of Embolic Cerebral Ischemia Using a Cell-Implantable Radiopaque Hydrogel Microfiber. <i>Translational Stroke Research</i> , 0, , .	2.3	1
588	Magnetothermal-based non-invasive focused magnetic stimulation for functional recovery in chronic stroke treatment. <i>Scientific Reports</i> , 2023, 13, .	1.6	0
596	Neuroprotective effects of flavonoids. , 2023, , 133-200.		1
597	Photobiomodulation Therapy for Stroke. <i>Synthesis Lectures on Biomedical Engineering</i> , 2023, , 221-258.	0.1	0
609	Neurodegeneration and Neuroinflammation: The Role of Pannexin 1. <i>Neurochemical Journal</i> , 2023, 17, 727-739.	0.2	1