

# Guo-Yuan Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

162  
papers

7,761  
citations

50276

46  
h-index

64796

79  
g-index

168  
all docs

168  
docs citations

168  
times ranked

9518  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular vesicles from adipose-derived stem cells promote microglia M2 polarization and neurological recovery in a mouse model of transient middle cerebral artery occlusion. <i>Stem Cell Research and Therapy</i> , 2022, 13, 21.	5.5	14
2	Transcranial focused ultrasound stimulation reduces vasogenic edema after middle cerebral artery occlusion in mice. <i>Neural Regeneration Research</i> , 2022, 17, 2058.	3.0	14
3	The Effect of Erythropoietin and Its Derivatives on Ischemic Stroke Therapy: A Comprehensive Review. <i>Frontiers in Pharmacology</i> , 2022, 13, 743926.	3.5	14
4	MicroRNA-140a-5p exacerbates vascular cognitive impairment by inhibiting neurogenesis in the adult mouse hippocampus after global cerebral ischemia. <i>Brain Research Bulletin</i> , 2022, 183, 73-83.	3.0	5
5	Oligodendrocyte precursor cell transplantation promotes angiogenesis and remyelination via Wnt/ $\beta$ -catenin pathway in a mouse model of middle cerebral artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 757-770.	4.3	19
6	Blocking C3d <sup>+</sup> /GFAP <sup>+</sup> A1 Astrocyte Conversion with Semaglutide Attenuates Blood-Brain Barrier Disruption in Mice after Ischemic Stroke. , 2022, 13, 943.		40
7	M2 microglia-derived extracellular vesicles promote white matter repair and functional recovery via miR-23a-5p after cerebral ischemia in mice. <i>Theranostics</i> , 2022, 12, 3553-3573.	10.0	40
8	Crosstalk of Astrocytes and Other Cells during Ischemic Stroke. <i>Life</i> , 2022, 12, 910.	2.4	18
9	Therapeutic application of exosomes in ischaemic stroke. <i>Stroke and Vascular Neurology</i> , 2021, 6, 483-495.	3.3	32
10	Transcranial Focused Ultrasound Stimulation Improves Neurorehabilitation after Middle Cerebral Artery Occlusion in Mice. , 2021, 12, 50.		26
11	Sleep Disorders in Stroke: An Update on Management. , 2021, 12, 570.		37
12	Native and Bioengineered Exosomes for Ischemic Stroke Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 619565.	3.7	41
13	Monocyte-to-Lymphocyte Ratio is Associated with Depression 3 Months After Stroke. <i>Neuropsychiatric Disease and Treatment</i> , 2021, Volume 17, 835-845.	2.2	11
14	Plasma from healthy donors protects blood-brain barrier integrity via FGF21 and improves the recovery in a mouse model of cerebral ischaemia. <i>Stroke and Vascular Neurology</i> , 2021, 6, 561-571.	3.3	16
15	Phase retrieval-based phase-contrast CT for vascular imaging with microbubble contrast agent. <i>Medical Physics</i> , 2021, 48, 3459-3469.	3.0	5
16	Periventricular White Matter Hyperintensity in Males is Associated with Post-Stroke Depression Onset at 3 Months. <i>Neuropsychiatric Disease and Treatment</i> , 2021, Volume 17, 1839-1857.	2.2	5
17	BK Channel-Mediated Microglial Phagocytosis Alleviates Neurological Deficit After Ischemic Stroke. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 683769.	3.7	17
18	M2 microglial small extracellular vesicles reduce glial scar formation <i>via</i> the miR-124/STAT3 pathway after ischemic stroke in mice. <i>Theranostics</i> , 2021, 11, 1232-1248.	10.0	90

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19	Maternal Benzophenone Exposure Impairs Hippocampus Development and Cognitive Function in Mouse Offspring. <i>Advanced Science</i> , 2021, 8, e2102686.	11.2	3
20	Stroke subtype-dependent synapse elimination by reactive gliosis in mice. <i>Nature Communications</i> , 2021, 12, 6943.	12.8	84
21	Oligodendrocyte Precursor Cells Transplantation Improves Stroke Recovery <i>via</i> Oligodendrogenesis, Neurite Growth and Synaptogenesis. , 2021, 12, 2096.		14
22	Microglia exacerbate white matter injury via complement C3/C3aR pathway after hypoperfusion. <i>Theranostics</i> , 2020, 10, 74-90.	10.0	106
23	Oligodendrocyte precursor cells transplantation protects blood-brain barrier in a mouse model of brain ischemia via Wnt/ $\beta$ -catenin signaling. <i>Cell Death and Disease</i> , 2020, 11, 9.	6.3	64
24	MicroRNA-126-3p/-5p Overexpression Attenuates Blood-Brain Barrier Disruption in a Mouse Model of Middle Cerebral Artery Occlusion. <i>Stroke</i> , 2020, 51, 619-627.	2.0	78
25	Endothelial progenitor cell transplantation alleviated ischemic brain injury via inhibiting C3/C3aR pathway in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2374-2386.	4.3	17
26	The Effect of IDO on Neural Progenitor Cell Survival Under Oxygen Glucose Deprivation. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 581861.	3.7	3
27	Fingolimod Inhibits Inflammation but Exacerbates Brain Edema in the Acute Phases of Cerebral Ischemia in Diabetic Mice. <i>Frontiers in Neuroscience</i> , 2020, 14, 842.	2.8	14
28	The Function of Astrocyte Mediated Extracellular Vesicles in Central Nervous System Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 568889.	3.7	44
29	Engineering of SPECT/Photoacoustic Imaging/Antioxidative Stress Triple-Function Nanoprobe for Advanced Mesenchymal Stem Cell Therapy of Cerebral Ischemia. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 37885-37895.	8.0	36
30	Sestrin2 regulates microglia polarization through mTOR-mediated autophagic flux to attenuate inflammation during experimental brain ischemia. <i>Journal of Neuroinflammation</i> , 2020, 17, 329.	7.2	52
31	Farnesoid X receptor knockout protects brain against ischemic injury through reducing neuronal apoptosis in mice. <i>Journal of Neuroinflammation</i> , 2020, 17, 164.	7.2	26
32	P2Y6 receptor inhibition aggravates ischemic brain injury by reducing microglial phagocytosis. <i>CNS Neuroscience and Therapeutics</i> , 2020, 26, 416-429.	3.9	53
33	Response by Pan and Yang to Letter Regarding Article, "MicroRNA-126-3p/-5p Overexpression Attenuates Blood-Brain Barrier Disruption in a Mouse Model of Middle Cerebral Artery Occlusion". <i>Stroke</i> , 2020, 51, e67.	2.0	0
34	Mesenchymal Stem Cells Attenuated Blood-Brain Barrier Disruption via Downregulation of Aquaporin-4 Expression in EAE Mice. <i>Molecular Neurobiology</i> , 2020, 57, 3891-3901.	4.0	23
35	r-tPA with loading dose of clopidogrel and aspirin therapies for capsular warning syndrome attributed to middle cerebral artery atherosclerotic stenosis. <i>Medicine (United States)</i> , 2020, 99, e19247.	1.0	2
36	Development of an Improved Rotational Orthosis for Walking With Arm Swing and Active Ankle Control. <i>Frontiers in Neurorobotics</i> , 2020, 14, 17.	2.8	5

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37	DL-3n-Butylphthalide Improves Bloodâ€ Brain Barrier Integrity in Rat After Middle Cerebral Artery Occlusion. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 610714.	3.7	15
38	Sensitive imaging of intact microvessels <i>in vivo</i> with synchrotron radiation. <i>IUCrJ</i> , 2020, 7, 793-802.	2.2	16
39	BM-MSc Transplantation Alleviates Intracerebral Hemorrhage-Induced Brain Injury, Promotes Astrocytes Vimentin Expression, and Enhances Astrocytes Antioxidation via the Cx43/Nrf2/HO-1 Axis. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 302.	3.7	25
40	DL-3-N-butylphthalide attenuates ischemic reperfusion injury by improving the function of cerebral artery and circulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2011-2021.	4.3	62
41	Advancement in stroke research. <i>Stroke and Vascular Neurology</i> , 2019, 4, 61-62.	3.3	6
42	Rapamycin Increases Collateral Circulation in Rodent Brain after Focal Ischemia as detected by Multiple Modality Dynamic Imaging. <i>Theranostics</i> , 2019, 9, 4923-4934.	10.0	28
43	Significance of Complement System in Ischemic Stroke: A Comprehensive Review. , 2019, 10, 429.		75
44	The effect of anterior communicating artery flow on neurovascular injury and neurobehavioral outcomes in mice with recurrent stroke. <i>Brain Research</i> , 2019, 1724, 146440.	2.2	2
45	Dynamic Detection of Thrombolysis in Embolic Stroke Rats by Synchrotron Radiation Angiography. <i>Translational Stroke Research</i> , 2019, 10, 695-704.	4.2	8
46	MicroRNA-140-5p: A novel circulating biomarker for early warning of late-onset post-stroke depression. <i>Journal of Psychiatric Research</i> , 2019, 115, 129-141.	3.1	36
47	Lâ€glutamine protects mouse brain from ischemic injury via upâ€regulating heat shock protein 70. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 1030-1041.	3.9	25
48	MicroRNA-210-3p Targets RGMA to Enhance the Angiogenic Functions of Endothelial Progenitor Cells Under Hypoxic Conditions. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 223.	3.7	17
49	M2 microglia-derived exosomes protect the mouse brain from ischemia-reperfusion injury via exosomal miR-124. <i>Theranostics</i> , 2019, 9, 2910-2923.	10.0	301
50	MicroRNA-126 Regulates Angiogenesis and Neurogenesis in a Mouse Model of Focal Cerebral Ischemia. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 15-25.	5.1	61
51	Protocatechuic acid exerts protective effects via suppression of the P38/JNK- NF-Î³B signalling pathway in an experimental mouse model of intracerebral haemorrhage. <i>European Journal of Pharmacology</i> , 2019, 854, 128-138.	3.5	24
52	Lysosome exocytosis is involved in astrocyte ATP release after oxidative stress induced by H2O2. <i>Neuroscience Letters</i> , 2019, 705, 251-258.	2.1	15
53	Dlâ€3â€butylphthalide promotes angiogenesis and upregulates sonic hedgehog expression after cerebral ischemia in rats. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 748-758.	3.9	41
54	Models for temporal-spatial parameters in walking with cadence ratio as the independent variable. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 877-886.	2.8	2

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55	Targeting Water in the Brain: Role of Aquaporin-4 in Ischemic Brain Edema. <i>Current Drug Targets</i> , 2019, 20, 748-755.	2.1	17
56	cxcl12 gene engineered endothelial progenitor cells further improve the functions of oligodendrocyte precursor cells. <i>Experimental Cell Research</i> , 2018, 367, 222-231.	2.6	11
57	Cyclic Mechanical Stretch Induced Smooth Muscle Cell Changes in Cerebral Aneurysm Progress by Reducing Collagen Type IV and Collagen Type VI Levels. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 1051-1060.	1.6	25
58	Tetramethylpyrazine nitronone activates the BDNF/Akt/CREB pathway to promote post-ischaemic neuroregeneration and recovery of neurological functions in rats. <i>British Journal of Pharmacology</i> , 2018, 175, 517-531.	5.4	73
59	The Effect of Myosin Light Chain Kinase on the Occurrence and Development of Intracranial Aneurysm. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 416.	3.7	9
60	Rapamycin Enhances Mitophagy and Attenuates Apoptosis After Spinal Ischemia-Reperfusion Injury. <i>Frontiers in Neuroscience</i> , 2018, 12, 865.	2.8	79
61	Netrin-1 attenuates brain injury after middle cerebral artery occlusion via downregulation of astrocyte activation in mice. <i>Journal of Neuroinflammation</i> , 2018, 15, 268.	7.2	25
62	cxcl12-engineered endothelial progenitor cells enhance neurogenesis and angiogenesis after ischemic brain injury in mice. <i>Stem Cell Research and Therapy</i> , 2018, 9, 139.	5.5	51
63	Blood-Brain Barrier Disruption Induced Cognitive Impairment Is Associated With Increase of Inflammatory Cytokine. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 129.	3.4	79
64	CLARITY for High-resolution Imaging and Quantification of Vasculature in the Whole Mouse Brain. , 2018, 9, 262.		37
65	Mesenchymal stem cells attenuate blood-brain barrier leakage after cerebral ischemia in mice. <i>Journal of Neuroinflammation</i> , 2018, 15, 135.	7.2	80
66	Adjudin Attenuates Cerebral Edema and Improves Neurological Function in Mice with Experimental Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 2850-2860.	3.4	18
67	A connexin43/YAP axis regulates astroglial-mesenchymal transition in hemoglobin induced astrocyte activation. <i>Cell Death and Differentiation</i> , 2018, 25, 1870-1884.	11.2	37
68	Blood microRNA-15a Correlates with IL-6, IGF-1 and Acute Cerebral Ischemia. <i>Current Neurovascular Research</i> , 2018, 15, 63-71.	1.1	25
69	The biphasic function of microglia in ischemic stroke. <i>Progress in Neurobiology</i> , 2017, 157, 247-272.	5.7	529
70	Optical inhibition of striatal neurons promotes focal neurogenesis and neurobehavioral recovery in mice after middle cerebral artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 837-847.	4.3	27
71	A biosafety evaluation of synchrotron radiation X-ray to skin and bone marrow: single dose irradiation study of rats and macaques. <i>International Journal of Radiation Biology</i> , 2017, 93, 637-645.	1.8	0
72	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.	8.2	59

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73	Monomeric CXCL12 outperforms its dimeric and wild type variants in the promotion of human endothelial progenitor cells™ function. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 303-310.	2.1	13
74	Diabetes mellitus is associated with late-onset post-stroke depression. <i>Journal of Affective Disorders</i> , 2017, 221, 222-226.	4.1	34
75	Hemoglobin pretreatment endows rat cortical astrocytes resistance to hemin-induced toxicity via Nrf2/HO-1 pathway. <i>Experimental Cell Research</i> , 2017, 361, 217-224.	2.6	18
76	Adiponectin modulates the function of endothelial progenitor cells via AMPK/eNOS signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 64-70.	2.1	24
77	Micro<scp>RNA</scp>â€37 and micro<scp>RNA</scp>â€95* inhibit vasculogenesis in brain arteriovenous malformations. <i>Annals of Neurology</i> , 2017, 82, 371-384.	5.3	33
78	Sesamin alleviates blood-brain barrier disruption in mice with experimental traumatic brain injury. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 1445-1455.	6.1	64
79	Optogenetic Inhibition of Striatal GABAergic Neuronal Activity Improves Outcomes After Ischemic Brain Injury. <i>Stroke</i> , 2017, 48, 3375-3383.	2.0	29
80	Arterial stiffness and stroke: de-stiffening strategy, a therapeutic target for stroke. <i>Stroke and Vascular Neurology</i> , 2017, 2, 65-72.	3.3	62
81	Stem Cell Therapy in Stroke. <i>Translational Medicine Research</i> , 2017, , 465-489.	0.0	0
82	Pathophysiology of Ischemic Stroke. <i>Translational Medicine Research</i> , 2017, , 51-75.	0.0	8
83	Enriched environment improves behavioral performance and attenuates inflammatory response induced by TNF-Î± in healthy adult mice. <i>European Journal of Inflammation</i> , 2017, 15, 200-209.	0.5	8
84	Optogenetic Inhibition of Striatal Neuronal Activity Improves the Survival of Transplanted Neural Stem Cells and Neurological Outcomes after Ischemic Stroke in Mice. <i>Stem Cells International</i> , 2017, 2017, 1-11.	2.5	19
85	Age-Related Frontal Periventricular White Matter Hyperintensities and miR-92a-3p Are Associated with Early-Onset Post-Stroke Depression. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 328.	3.4	34
86	Simultaneous Imaging of Cerebrovascular Structure and Function in Hypertensive Rats Using Synchrotron Radiation Angiography. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 359.	3.4	7
87	Increased Circulating Exosomal miRNA-223 Is Associated with Acute Ischemic Stroke. <i>Frontiers in Neurology</i> , 2017, 8, 57.	2.4	161
88	Development and Feasibility Assessment of a Rotational Orthosis for Walking with Arm Swing. <i>Frontiers in Neuroscience</i> , 2017, 11, 32.	2.8	12
89	Functional Activation-Informed Structural Changes during Stroke Recovery: A Longitudinal MRI Study. <i>BioMed Research International</i> , 2017, 2017, 1-13.	1.9	4
90	Combining Injectable Plasma Scaffold with Mesenchymal Stem/Stromal Cells for Repairing Infarct Cavity after Ischemic Stroke. , 2017, 8, 203.		19

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91	Contribution of Vascular Cells to Neointimal Formation. PLoS ONE, 2017, 12, e0168914.	2.5	38
92	Endothelial progenitor cells transplantation attenuated blood-brain barrier damage after ischemia in diabetic mice via HIF-1 $\alpha$ . Stem Cell Research and Therapy, 2017, 8, 163.	5.5	46
93	Biomimetic peptides protect cells from oxidative stress. American Journal of Translational Research (discontinued), 2017, 9, 5518-5527.	0.0	2
94	Synchrotron Radiation X-Ray Phase-Contrast Tomography Visualizes Microvasculature Changes in Mice Brains after Ischemic Injury. Neural Plasticity, 2016, 2016, 1-8.	2.2	16
95	Ischemia-induced Angiogenesis is Attenuated in Aged Rats. , 2016, 7, 326.		22
96	Hyperexpressed Netrin-1 Promoted Neural Stem Cells Migration in Mice after Focal Cerebral Ischemia. Frontiers in Cellular Neuroscience, 2016, 10, 223.	3.7	9
97	Aquaporin-4: A Potential Therapeutic Target for Cerebral Edema. International Journal of Molecular Sciences, 2016, 17, 1413.	4.1	66
98	Ferrous Iron Induces Nrf2 Expression in Mouse Brain Astrocytes to Prevent Neurotoxicity. Journal of Biochemical and Molecular Toxicology, 2016, 30, 396-403.	3.0	27
99	X-ray propagation-based equally sloped tomography for mouse brain. Journal of X-Ray Science and Technology, 2016, 24, 79-86.	1.0	8
100	Molecular evaluation of thrombosis using X-ray phase contrast imaging with microbubbles targeted to P-selectin in mice. European Radiology, 2016, 26, 3253-3261.	4.5	7
101	Clinical predictor and circulating microRNA profile expression in patients with early onset post-stroke depression. Journal of Affective Disorders, 2016, 193, 51-58.	4.1	45
102	Lentivirus $\alpha$ -Mediated Overexpression of MicroRNA $\alpha$ -210 Improves Long $\alpha$ -Term Outcomes after Focal Cerebral Ischemia in Mice. CNS Neuroscience and Therapeutics, 2016, 22, 961-969.	3.9	67
103	Erythropoietin Stimulates Endothelial Progenitor Cells to Induce Endothelialization in an Aneurysm Neck After Coil Embolization by Modulating Vascular Endothelial Growth Factor. Stem Cells Translational Medicine, 2016, 5, 1182-1189.	3.3	16
104	Effect of ischaemic brain injury on sexual function in adult mice. Stroke and Vascular Neurology, 2016, 1, 127-132.	3.3	2
105	Macrophage depletion reduced brain injury following middle cerebral artery occlusion in mice. Journal of Neuroinflammation, 2016, 13, 38.	7.2	76
106	The role and regulatory mechanism of IL $\alpha$ -1 $\beta$ on the methylation of the NF2 gene in benign meningiomas and leptomeninges. Molecular Carcinogenesis, 2016, 55, 2268-2277.	2.7	19
107	Vessel Dilation Attenuates Endothelial Dysfunction Following Middle Cerebral Artery Occlusion in Hyperglycemic Rats. CNS Neuroscience and Therapeutics, 2016, 22, 316-324.	3.9	17
108	Modelling of the toe trajectory during normal gait using circle-fit approximation. Medical and Biological Engineering and Computing, 2016, 54, 1481-1489.	2.8	14

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109	Rosuvastatin for enhancement of aneurysm neck endothelialization after coil embolization: promotion of endothelial progenitor cells in a rodent model. <i>Journal of Neurosurgery</i> , 2016, 124, 1265-1274.	1.6	21
110	Early Use of Statin in Patients Treated with Alteplase for Acute Ischemic Stroke. <i>Acta Neurochirurgica Supplementum</i> , 2016, 121, 269-275.	1.0	7
111	Effect of iodine contrast agent concentration on cerebrovascular dose for synchrotron radiation microangiography based on a simple mouse head model and a voxel mouse head phantom by Monte-Carlo simulation. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 304-311.	2.4	1
112	Activated regulatory T cell regulates neural stem cell proliferation in the subventricular zone of normal and ischemic mouse brain through interleukin 10. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 361.	3.7	74
113	High-Resolution and Quantitative X-Ray Phase-Contrast Tomography for Mouse Brain Research. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-12.	1.3	6
114	Hypoxia-controlled matrix metalloproteinase-9 hyperexpression promotes behavioral recovery after ischemia. <i>Neuroscience Bulletin</i> , 2015, 31, 550-560.	2.9	23
115	MRI/SPECT/Fluorescent Tri-Modal Probe for Evaluating the Homing and Therapeutic Efficacy of Transplanted Mesenchymal Stem Cells in a Rat Ischemic Stroke Model. <i>Advanced Functional Materials</i> , 2015, 25, 1024-1034.	14.9	102
116	Opportunities and Challenges: Stem Cell-Based Therapy for the Treatment of Ischemic Stroke. <i>CNS Neuroscience and Therapeutics</i> , 2015, 21, 337-347.	3.9	66
117	Study of cerebral aneurysms in a modified rat model: From real-time imaging to histological analysis. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 373-377.	1.5	8
118	Stem Cells: MRI/SPECT/Fluorescent Tri-Modal Probe for Evaluating the Homing and Therapeutic Efficacy of Transplanted Mesenchymal Stem Cells in a Rat Ischemic Stroke Model ( <i>Adv. Funct. Mater.</i> )	14.9	102
119	MicroRNA-29b is a Therapeutic Target in Cerebral Ischemia Associated with Aquaporin 4. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1977-1984.	4.3	101
120	Reorganization of Motor Execution Networks During Sub-Acute Phase After Stroke. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2015, 23, 713-723.	4.9	20
121	Curcumin attenuates brain edema in mice with intracerebral hemorrhage through inhibition of AQP4 and AQP9 expression. <i>Acta Pharmacologica Sinica</i> , 2015, 36, 939-948.	6.1	86
122	Carvacrol protects neuroblastoma SH-SY5Y cells against Fe <sup>2+</sup> -induced apoptosis by suppressing activation of MAPK/JNK-NF- $\kappa$ B signaling pathway. <i>Acta Pharmacologica Sinica</i> , 2015, 36, 1426-1436.	6.1	40
123	CXCL12 Gene Therapy Ameliorates Ischemia-Induced White Matter Injury in Mouse Brain. <i>Stem Cells Translational Medicine</i> , 2015, 4, 1122-1130.	3.3	39
124	Therapeutic Benefit of Bone Marrow-Derived Endothelial Progenitor Cell Transplantation after Experimental Aneurysm Embolization with Coil in Rats. <i>PLoS ONE</i> , 2014, 9, e90069.	2.5	13
125	Collateral circulation prevents masticatory muscle impairment in rat middle cerebral artery occlusion model. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 1314-1318.	2.4	10
126	Effect of HMGB1 on the Paracrine Action of EPC Promotes Post-Ischemic Neovascularization in Mice. <i>Stem Cells</i> , 2014, 32, 2679-2689.	3.2	53



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127	Review on the interlimb neural coupling and its potential usage in walking rehabilitation. Journal of Shanghai Jiaotong University (Science), 2014, 19, 561-564.	0.9	1
128	Application of principle component analysis and logistic regression in analyzing miRNA markers of brain arteriovenous malformation. Journal of Shanghai Jiaotong University (Science), 2014, 19, 641-645.	0.9	1
129	Metformin attenuates blood-brain barrier disruption in mice following middle cerebral artery occlusion. Journal of Neuroinflammation, 2014, 11, 177.	7.2	152
130	Postacute Stromal Cell-Derived Factor-1 Expression Promotes Neurovascular Recovery in Ischemic Mice. Stroke, 2014, 45, 1822-1829.	2.0	76
131	Synthesis of nanostructured barium phosphate and its application in micro-computed tomography of mouse brain vessels in ex vivo. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	5
132	Rapamycin attenuates mitochondrial dysfunction via activation of mitophagy in experimental ischemic stroke. Biochemical and Biophysical Research Communications, 2014, 444, 182-188.	2.1	163
133	Vascular remodeling after ischemic stroke: Mechanisms and therapeutic potentials. Progress in Neurobiology, 2014, 115, 138-156.	5.7	263
134	The combination of astragalus membranaceus and ligustrazine ameliorates micro-haemorrhage by maintaining blood-brain barrier integrity in cerebrally ischaemic rats. Journal of Ethnopharmacology, 2014, 158, 301-309.	4.1	19
135	Mesenchymal Stem Cells Maintain Blood-Brain Barrier Integrity by Inhibiting Aquaporin-4 Upregulation After Cerebral Ischemia. Stem Cells, 2014, 32, 3150-3162.	3.2	138
136	Neural Stem Cell Protects Aged Rat Brain from Ischemia-Reperfusion Injury through Neurogenesis and Angiogenesis. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1138-1147.	4.3	88
137	Neurovascular Recovery via Cotransplanted Neural and Vascular Progenitors Leads to Improved Functional Restoration after Ischemic Stroke in Rats. Stem Cell Reports, 2014, 3, 101-114.	4.8	40
138	Metformin promotes focal angiogenesis and neurogenesis in mice following middle cerebral artery occlusion. Neuroscience Letters, 2014, 579, 46-51.	2.1	78
139	Melatonin Pretreatment Improves the Survival and Function of Transplanted Mesenchymal Stem Cells after Focal Cerebral Ischemia. Cell Transplantation, 2014, 23, 1279-1291.	2.5	112
140	Stimulation of Cerebral Angiogenesis by Gene Delivery. Methods in Molecular Biology, 2014, 1135, 317-329.	0.9	3
141	Preconditioned Stem Cells: A Promising Strategy for Cell-Based Ischemic Stroke Therapy. Current Drug Targets, 2014, 15, 771-779.	2.1	18
142	High MRI performance fluorescent mesoporous silica-coated magnetic nanoparticles for tracking neural progenitor cells in an ischemic mouse model. Nanoscale, 2013, 5, 4506.	5.6	72
143	Silica-coated superparamagnetic iron oxide nanoparticles targeting of AEPs in ischemic brain injury. Biomaterials, 2013, 34, 4982-4992.	11.4	65
144	The protective role of Tongxinluo on blood-brain barrier after ischemia-reperfusion brain injury. Journal of Ethnopharmacology, 2013, 148, 632-639.	4.1	41

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145	CXCR4 Antagonist AMD3100 Protects Bloodâ€‘Brain Barrier Integrity and Reduces Inflammatory Response After Focal Ischemia in Mice. <i>Stroke</i> , 2013, 44, 190-197.	2.0	182
146	Netrin-1 Overexpression Promotes White Matter Repairing and Remodeling after Focal Cerebral Ischemia in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1921-1927.	4.3	46
147	MicroRNAs in Cerebral Ischemia. <i>Stroke Research and Treatment</i> , 2013, 2013, 1-6.	0.8	37
148	Overexpression of Adiponectin Improves Neurobehavioral Outcomes After Focal Cerebral Ischemia in Aged Mice. <i>CNS Neuroscience and Therapeutics</i> , 2013, 19, 969-977.	3.9	35
149	Surgery-Related Thrombosis Critically Affects the Brain Infarct Volume in Mice Following Transient Middle Cerebral Artery Occlusion. <i>PLoS ONE</i> , 2013, 8, e75561.	2.5	34
150	Netrin-1 Hyperexpression in Mouse Brain Promotes Angiogenesis and Long-Term Neurological Recovery After Transient Focal Ischemia. <i>Stroke</i> , 2012, 43, 838-843.	2.0	97
151	A Novel Intravital Method to Evaluate Cerebral Vasospasm in Rat Models of Subarachnoid Hemorrhage: A Study with Synchrotron Radiation Angiography. <i>PLoS ONE</i> , 2012, 7, e33366.	2.5	26
152	Reorganization of Brain Networks in Aging and Age-related Diseases. , 2012, 3, 181-93.		33
153	MicroRNA-210 as a novel blood biomarker in acute cerebral ischemia. <i>Frontiers in Bioscience - Elite</i> , 2011, E3, 1265-1272.	1.8	131
154	High MR sensitive fluorescent magnetite nanocluster for stem cell tracking in ischemic mouse brain. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 1009-1019.	3.3	53
155	Microbubble-based synchrotron radiation phase contrast imaging: basic study and angiography applications. <i>Physics in Medicine and Biology</i> , 2011, 56, 3503-3512.	3.0	35
156	Endothelial progenitor cell transplantation improves longâ€‘term stroke outcome in mice. <i>Annals of Neurology</i> , 2010, 67, 488-497.	5.3	271
157	Circulating endothelial progenitor cells in Chinese patients with acute stroke. <i>Hypertension Research</i> , 2009, 32, 306-310.	2.7	26
158	Therapeutic Angiogenesis for Brain Ischemia: A Brief Review. <i>Journal of NeuroImmune Pharmacology</i> , 2007, 2, 284-289.	4.1	78
159	Adeno-Associated Viral Vector-Mediated Hypoxia-Inducible Vascular Endothelial Growth Factor Gene Expression Attenuates Ischemic Brain Injury After Focal Cerebral Ischemia in Mice. <i>Stroke</i> , 2006, 37, 2601-2606.	2.0	85
160	Inhibition of TNFÎ± attenuates infarct volume and ICAM-1 expression in ischemic mouse brain. <i>NeuroReport</i> , 1998, 9, 2131-2134.	1.2	159
161	Experimental intracerebral hemorrhage: relationship between brain edema, blood flow, and blood-brain barrier permeability in rats. <i>Journal of Neurosurgery</i> , 1994, 81, 93-102.	1.6	368
162	Diabetes Mellitus-Related Neurobehavioral Deficits in Mice Are Associated With Oligodendrocyte Precursor Cell Dysfunction. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	3.4	5