

Yongting Wang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99
papers

3,637
citations

35
h-index

58
g-index

102
ext. papers

4,488
ext. citations

6.5
avg, IF

5.31
L-index

#	Paper	IF	Citations
99	The biphasic function of microglia in ischemic stroke. <i>Progress in Neurobiology</i> , 2017 , 157, 247-272	10.9	311
98	Vascular remodeling after ischemic stroke: mechanisms and therapeutic potentials. <i>Progress in Neurobiology</i> , 2014 , 115, 138-56	10.9	209
97	CXCR4 antagonist AMD3100 protects blood-brain barrier integrity and reduces inflammatory response after focal ischemia in mice. <i>Stroke</i> , 2013 , 44, 190-7	6.7	160
96	M2 microglia-derived exosomes protect the mouse brain from ischemia-reperfusion injury via exosomal miR-124. <i>Theranostics</i> , 2019 , 9, 2910-2923	12.1	128
95	Metformin attenuates blood-brain barrier disruption in mice following middle cerebral artery occlusion. <i>Journal of Neuroinflammation</i> , 2014 , 11, 177	10.1	114
94	MauG, a novel diheme protein required for tryptophan tryptophylquinone biogenesis. <i>Biochemistry</i> , 2003 , 42, 7318-25	3.2	113
93	Mesenchymal stem cells maintain blood-brain barrier integrity by inhibiting aquaporin-4 upregulation after cerebral ischemia. <i>Stem Cells</i> , 2014 , 32, 3150-62	5.8	110
92	MicroRNA-210 as a novel blood biomarker in acute cerebral ischemia. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 1265-72	1.6	106
91	Melatonin Pretreatment Improves the Survival and Function of Transplanted Mesenchymal Stem Cells after Focal Cerebral Ischemia. <i>Cell Transplantation</i> , 2014 , 23, 1279-1291	4	91
90	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	15.6	87
89	Netrin-1 hyperexpression in mouse brain promotes angiogenesis and long-term neurological recovery after transient focal ischemia. <i>Stroke</i> , 2012 , 43, 838-43	6.7	85
88	Roles of chemokine CXCL12 and its receptors in ischemic stroke. <i>Current Drug Targets</i> , 2012 , 13, 166-72	3	80
87	Further insights into quinone cofactor biogenesis: probing the role of mauG in methylamine dehydrogenase tryptophan tryptophylquinone formation. <i>Biochemistry</i> , 2004 , 43, 5494-502	3.2	76
86	Neural stem cell protects aged rat brain from ischemia-reperfusion injury through neurogenesis and angiogenesis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 1138-47	7.3	75
85	MicroRNA-29b is a therapeutic target in cerebral ischemia associated with aquaporin 4. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1977-84	7.3	71
84	Formation of amyloid fibrils in vitro from partially unfolded intermediates of human gammaC-crystallin 2010 , 51, 672-8		65
83	Metformin promotes focal angiogenesis and neurogenesis in mice following middle cerebral artery occlusion. <i>Neuroscience Letters</i> , 2014 , 579, 46-51	3.3	64

82	Postacute stromal cell-derived factor-1 expression promotes neurovascular recovery in ischemic mice. <i>Stroke</i> , 2014 , 45, 1822-9	6.7	62
81	Silica-coated superparamagnetic iron oxide nanoparticles targeting of EPCs in ischemic brain injury. <i>Biomaterials</i> , 2013 , 34, 4982-92	15.6	58
80	Evidence for redox cooperativity between c-type hemes of MauG which is likely coupled to oxygen activation during tryptophan tryptophylquinone biosynthesis. <i>Biochemistry</i> , 2006 , 45, 821-8	3.2	54
79	The structure of the cataract-causing P23T mutant of human gammaD-crystallin exhibits distinctive local conformational and dynamic changes. <i>Biochemistry</i> , 2009 , 48, 2597-609	3.2	51
78	Increase of circulating miR-223 and insulin-like growth factor-1 is associated with the pathogenesis of acute ischemic stroke in patients. <i>BMC Neurology</i> , 2014 , 14, 77	3.1	49
77	Effect of HMGB1 on the paracrine action of EPC promotes post-ischemic neovascularization in mice. <i>Stem Cells</i> , 2014 , 32, 2679-89	5.8	48
76	High MR sensitive fluorescent magnetite nanocluster for stem cell tracking in ischemic mouse brain. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011 , 7, 1009-19	6	48
75	MauG-dependent in vitro biosynthesis of tryptophan tryptophylquinone in methylamine dehydrogenase. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8258-9	16.4	48
74	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	6.1	46
73	Effect of suture properties on stability of middle cerebral artery occlusion evaluated by synchrotron radiation angiography. <i>Stroke</i> , 2012 , 43, 888-91	6.7	45
72	Neuroprotection and sensorimotor functional improvement by curcumin after intracerebral hemorrhage in mice. <i>Journal of Neurotrauma</i> , 2011 , 28, 2513-21	5.4	44
71	MicroRNA-126 Regulates Angiogenesis and Neurogenesis in a Mouse Model of Focal Cerebral Ischemia. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 16, 15-25	10.7	43
70	Blood-Brain Barrier Disruption Induced Cognitive Impairment Is Associated With Increase of Inflammatory Cytokine. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 129	5.3	43
69	Macrophage depletion reduced brain injury following middle cerebral artery occlusion in mice. <i>Journal of Neuroinflammation</i> , 2016 , 13, 38	10.1	42
68	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, 1921-7	7.3	42
67	Microglia exacerbate white matter injury via complement C3/C3aR pathway after hypoperfusion. <i>Theranostics</i> , 2020 , 10, 74-90	12.1	39
66	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	6.7	39
65	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	8.3	37

64	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	11.7	34
63	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	7.3	34
62	Pro-inflammatory cytokine network in peripheral inflammation response to cerebral ischemia. <i>Neuroscience Letters</i> , 2013 , 548, 4-9	3.3	34
61	Microbubble-based synchrotron radiation phase contrast imaging: basic study and angiography applications. <i>Physics in Medicine and Biology</i> , 2011 , 56, 3503-12	3.8	34
60	CXCL12 Gene Therapy Ameliorates Ischemia-Induced White Matter Injury in Mouse Brain. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 1122-30	6.9	31
59	Endothelial progenitor cells transplantation attenuated blood-brain barrier damage after ischemia in diabetic mice via HIF-1. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 163	8.3	31
58	Neurovascular recovery via co-transplanted neural and vascular progenitors leads to improved functional restoration after ischemic stroke in rats. <i>Stem Cell Reports</i> , 2014 , 3, 101-14	8	31
57	Aggregation of Trp > Glu point mutants of human gamma-D crystallin provides a model for hereditary or UV-induced cataract. <i>Protein Science</i> , 2016 , 25, 1115-28	6.3	31
56	Optimizing suture middle cerebral artery occlusion model in C57BL/6 mice circumvents posterior communicating artery dysplasia. <i>Journal of Neurotrauma</i> , 2012 , 29, 1499-505	5.4	30
55	Cocktail blood biomarkers: prediction of clinical outcomes in patients with acute ischemic stroke. <i>European Neurology</i> , 2013 , 69, 68-75	2.1	29
54	MicroRNAs in Cerebral Ischemia. <i>Stroke Research and Treatment</i> , 2013 , 2013, 276540	1.7	29
53	CLARITY for High-resolution Imaging and Quantification of Vasculature in the Whole Mouse Brain 2018 , 9, 262-272		26
52	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	7.3	22
51	MicroRNA-137 and microRNA-195* inhibit vasculogenesis in brain arteriovenous malformations. <i>Annals of Neurology</i> , 2017 , 82, 371-384	9.4	22
50	Ubiquitin proteasome pathway-mediated degradation of proteins: effects due to site-specific substrate deamidation 2010 , 51, 4164-73		21
49	M2 microglial small extracellular vesicles reduce glial scar formation the miR-124/STAT3 pathway after ischemic stroke in mice. <i>Theranostics</i> , 2021 , 11, 1232-1248	12.1	21
48	Optogenetic Inhibition of Striatal GABAergic Neuronal Activity Improves Outcomes After Ischemic Brain Injury. <i>Stroke</i> , 2017 , 48, 3375-3383	6.7	20
47	Stem cell-mediated gene delivering for the treatment of cerebral ischemia: progress and prospectives. <i>Current Drug Targets</i> , 2013 , 14, 81-9	3	20

46	Hypoxia-controlled matrix metalloproteinase-9 hyperexpression promotes behavioral recovery after ischemia. <i>Neuroscience Bulletin</i> , 2015 , 31, 550-60	4.3	18
45	Differences of circulating inflammatory markers between large- and small vessel disease in patients with acute ischemic stroke. <i>International Journal of Medical Sciences</i> , 2013 , 10, 1399-405	3.7	18
44	Rapamycin Increases Collateral Circulation in Rodent Brain after Focal Ischemia as detected by Multiple Modality Dynamic Imaging. <i>Theranostics</i> , 2019 , 9, 4923-4934	12.1	15
43	Stroke subtype-dependent synapse elimination by reactive gliosis in mice. <i>Nature Communications</i> , 2021 , 12, 6943	17.4	15
42	Ischemia-induced Angiogenesis is Attenuated in Aged Rats 2016 , 7, 326-35		15
41	High-efficiency generation of induced pluripotent mesenchymal stem cells from human dermal fibroblasts using recombinant proteins. <i>Stem Cell Research and Therapy</i> , 2016 , 7, 99	8.3	15
40	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	10.1	15
39	Farnesoid X receptor knockout protects brain against ischemic injury through reducing neuronal apoptosis in mice. <i>Journal of Neuroinflammation</i> , 2020 , 17, 164	10.1	14
38	Micro-computed tomography for hemorrhage disruption of mouse brain vasculature. <i>Translational Stroke Research</i> , 2012 , 3, 174-9	7.8	14
37	Overexpression of netrin-1 improves neurological outcomes in mice following transient middle cerebral artery occlusion. <i>Frontiers of Medicine</i> , 2011 , 5, 86-93	12	14
36	Methodology to probe subunit interactions in ribonucleotide reductases. <i>Biochemistry</i> , 2008 , 47, 13046-55		14
35	Targeting Water in the Brain: Role of Aquaporin-4 in Ischemic Brain Edema. <i>Current Drug Targets</i> , 2019 , 20, 748-755	3	14
34	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, 4364302	5	13
33	A single methionine residue dictates the kinetic mechanism of interprotein electron transfer from methylamine dehydrogenase to amicyanin. <i>Biochemistry</i> , 2007 , 46, 11137-46	3.2	12
32	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	6.2	11
31	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	3.7	11
30	Use of indirect site-directed mutagenesis to alter the substrate specificity of methylamine dehydrogenase. <i>Journal of Biological Chemistry</i> , 2002 , 277, 4119-22	5.4	11
29	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	3.4	10

28	Development of functional in vivo imaging of cerebral lenticulostriate artery using novel synchrotron radiation angiography. <i>Physics in Medicine and Biology</i> , 2015 , 60, 1655-65	3.8	10
27	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	7.3	9
26	cxcl12 gene engineered endothelial progenitor cells further improve the functions of oligodendrocyte precursor cells. <i>Experimental Cell Research</i> , 2018 , 367, 222-231	4.2	8
25	Collateral circulation prevents masticatory muscle impairment in rat middle cerebral artery occlusion model. <i>Journal of Synchrotron Radiation</i> , 2014 , 21, 1314-8	2.4	8
24	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	5.1	8
23	Real-time imaging of mouse lenticulostriate artery following brain ischemia. <i>Frontiers in Bioscience - Elite</i> , 2013 , 5, 517-24	1.6	7
22	Hyperexpressed Netrin-1 Promoted Neural Stem Cells Migration in Mice after Focal Cerebral Ischemia. <i>Frontiers in Cellular Neuroscience</i> , 2016 , 10, 223	6.1	7
21	Dynamic Detection of Thrombolysis in Embolic Stroke Rats by Synchrotron Radiation Angiography. <i>Translational Stroke Research</i> , 2019 , 10, 695-704	7.8	6
20	Simultaneous Imaging of Cerebrovascular Structure and Function in Hypertensive Rats Using Synchrotron Radiation Angiography. <i>Frontiers in Aging Neuroscience</i> , 2017 , 9, 359	5.3	6
19	Cataract as a Protein-Aggregation Disease 2010 , 487-515		5
18	DL-3n-Butylphthalide Improves Blood-Brain Barrier Integrity in Rat After Middle Cerebral Artery Occlusion. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 610714	6.1	5
17	The Effect of Myosin Light Chain Kinase on the Occurrence and Development of Intracranial Aneurysm. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 416	6.1	5
16	Optogenetic translocation of protons out of penumbral neurons is protective in a rodent model of focal cerebral ischemia. <i>Brain Stimulation</i> , 2020 , 13, 881-890	5.1	4
15	Optogenetic Excitation of Ipsilesional Sensorimotor Neurons is Protective in Acute Ischemic Stroke: A Laser Speckle Imaging Study. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 1372-1379	5	4
14	Microangiography in Living Mice Using Synchrotron Radiation 2010 ,		3
13	Stimulation of cerebral angiogenesis by gene delivery. <i>Methods in Molecular Biology</i> , 2014 , 1135, 317-29	1.4	3
12	Synthesis of nanostructured barium phosphate and its application in micro-computed tomography of mouse brain vessels in ex vivo. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	2
11	Effect of ischaemic brain injury on sexual function in adult mice. <i>Stroke and Vascular Neurology</i> , 2016 , 1, 127-132	9.1	1

10	Oligodendrocyte Precursor Cells Transplantation Improves Stroke Recovery Oligodendrogenesis, Neurite Growth and Synaptogenesis 2021 , 12, 2096-2112		1
9	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	8.3	1
8	Oligodendrocyte precursor cell transplantation promotes angiogenesis and remyelination via Wnt/-catenin pathway in a mouse model of middle cerebral artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 271678X211065391	7.3	1
7	Monocyte-derived SDF1 supports optic nerve regeneration and alters retinal ganglion cellsS response to Pten deletion.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2113751119	11.5	1
6	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	12.1	0
5	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	2.9	
4	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 (Adv. Funct. Mater. 7/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 990-990	15.6	
3	Visualization of soft tissues by highly sensitive X-ray crystal analyzer-based multi diffraction enhanced imaging. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 096701	1.4	
2	Gene Modified Stem/Progenitor-Cell Therapy for Ischemic Stroke 2016 , 347-362		
1	Reduction of Brain Injury After Stroke in Hyperglycemic Rats via Fasudil Pretreatment. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2019 , 24, 723-731	0.6	