Guo-Yuan Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3347478/publications.pdf

Version: 2024-02-01

162	7,761	50276	64796
papers	citations	46 h-index	79 g-index

168	168	168	9518
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The biphasic function of microglia in ischemic stroke. Progress in Neurobiology, 2017, 157, 247-272.	5.7	529
2	Experimental intracerebral hemorrhage: relationship between brain edema, blood flow, and blood-brain barrier permeability in rats. Journal of Neurosurgery, 1994, 81, 93-102.	1.6	368
3	M2 microglia-derived exosomes protect the mouse brain from ischemia-reperfusion injury via exosomal miR-124. Theranostics, 2019, 9, 2910-2923.	10.0	301
4	Endothelial progenitor cell transplantation improves longâ€term stroke outcome in mice. Annals of Neurology, 2010, 67, 488-497.	5.3	271
5	Vascular remodeling after ischemic stroke: Mechanisms and therapeutic potentials. Progress in Neurobiology, 2014, 115, 138-156.	5.7	263
6	CXCR4 Antagonist AMD3100 Protects Bloodâ€“Brain Barrier Integrity and Reduces Inflammatory Response After Focal Ischemia in Mice. Stroke, 2013, 44, 190-197.	2.0	182
7	Rapamycin attenuates mitochondrial dysfunction via activation of mitophagy in experimental ischemic stroke. Biochemical and Biophysical Research Communications, 2014, 444, 182-188.	2.1	163
8	Increased Circulating Exosomal miRNA-223 Is Associated with Acute Ischemic Stroke. Frontiers in Neurology, 2017, 8, 57.	2.4	161
9	Inhibition of TNFÎ± attenuates infarct volume and ICAM-1 expression in ischemic mouse brain. NeuroReport, 1998, 9, 2131-2134.	1.2	159
10	Metformin attenuates blood-brain barrier disruption in mice following middle cerebral artery occlusion. Journal of Neuroinflammation, 2014, 11, 177.	7.2	152
11	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
12	MicroRNA-210 as a novel blood biomarker in acute cerebral ischemia. Frontiers in Bioscience - Elite, 2011, E3, 1265-1272.	1.8	131
13	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
14	Microglia exacerbate white matter injury via complement C3/C3aR pathway after hypoperfusion. Theranostics, 2020, 10, 74-90.	10.0	106
15	MRI/SPECT/Fluorescent Triâ€Modal Probe for Evaluating the Homing and Therapeutic Efficacy of Transplanted Mesenchymal Stem Cells in a Rat Ischemic Stroke Model. Advanced Functional Materials, 2015, 25, 1024-1034.	14.9	102
16	MicroRNA-29b is a Therapeutic Target in Cerebral Ischemia Associated with Aquaporin 4. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1977-1984.	4.3	101
17	Netrin-1 Hyperexpression in Mouse Brain Promotes Angiogenesis and Long-Term Neurological Recovery After Transient Focal Ischemia. Stroke, 2012, 43, 838-843.	2.0	97
18	M2 microglial small extracellular vesicles reduce glial scar formation via the miR-124/STAT3 pathway after ischemic stroke in mice. Theranostics, 2021, 11, 1232-1248.	10.0	90

#	Article	IF	Citations
19	Neural Stem Cell Protects Aged Rat Brain from Ischemiaâ€“Reperfusion Injury through Neurogenesis and Angiogenesis. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1138-1147.	4.3	88
20	Curcumin attenuates brain edema in mice with intracerebral hemorrhage through inhibition of AQP4 and AQP9 expression. Acta Pharmacologica Sinica, 2015, 36, 939-948.	6.1	86
21	Adeno-Associated Viral Vector-Mediated Hypoxia-Inducible Vascular Endothelial Growth Factor Gene Expression Attenuates Ischemic Brain Injury After Focal Cerebral Ischemia in Mice. Stroke, 2006, 37, 2601-2606.	2.0	85
22	Stroke subtype-dependent synapse elimination by reactive gliosis in mice. Nature Communications, 2021, 12, 6943.	12.8	84
23	Mesenchymal stem cells attenuate blood-brain barrier leakage after cerebral ischemia in mice. Journal of Neuroinflammation, 2018, 15, 135.	7.2	80
24	Rapamycin Enhances Mitophagy and Attenuates Apoptosis After Spinal Ischemia-Reperfusion Injury. Frontiers in Neuroscience, 2018, 12, 865.	2.8	79
25	Blood-Brain Barrier Disruption Induced Cognitive Impairment Is Associated With Increase of Inflammatory Cytokine. Frontiers in Aging Neuroscience, 2018, 10, 129.	3.4	79
26	Therapeutic Angiogenesis for Brain Ischemia: A Brief Review. Journal of NeuroImmune Pharmacology, 2007, 2, 284-289.	4.1	78
27	Metformin promotes focal angiogenesis and neurogenesis in mice following middle cerebral artery occlusion. Neuroscience Letters, 2014, 579, 46-51.	2.1	78
28	MicroRNA-126-3p/-5p Overexpression Attenuates Blood-Brain Barrier Disruption in a Mouse Model of Middle Cerebral Artery Occlusion. Stroke, 2020, 51, 619-627.	2.0	78
29	Postacute Stromal Cellâ€“Derived Factor-1Î± Expression Promotes Neurovascular Recovery in Ischemic Mice. Stroke, 2014, 45, 1822-1829.	2.0	76
30	Macrophage depletion reduced brain injury following middle cerebral artery occlusion in mice. Journal of Neuroinflammation, 2016, 13, 38.	7.2	76
31	Significance of Complement System in Ischemic Stroke: A Comprehensive Review. , 2019, 10, 429.		75
32	Activated regulatory T cell regulates neural stem cell proliferation in the subventricular zone of normal and ischemic mouse brain through interleukin 10. Frontiers in Cellular Neuroscience, 2015, 9, 361.	3.7	74
33	Tetramethylpyrazine nitrone activates the BDNF/Akt/CREB pathway to promote postâ€ischaemic neuroregeneration and recovery of neurological functions in rats. British Journal of Pharmacology, 2018, 175, 517-531.	5.4	73
34	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
35	Lentivirusâ€Mediated Overexpression of MicroRNAâ€210 Improves Longâ€Term Outcomes after Focal Cerebral Ischemia in Mice. CNS Neuroscience and Therapeutics, 2016, 22, 961-969.	3.9	67
36	Opportunities and Challenges: Stem Cellâ€Based Therapy for the Treatment of Ischemic Stroke. CNS Neuroscience and Therapeutics, 2015, 21, 337-347.	3.9	66

#	Article	IF	Citations
37	Aquaporin-4: A Potential Therapeutic Target for Cerebral Edema. International Journal of Molecular Sciences, 2016, 17, 1413.	4.1	66
38	Silica-coated superparamagnetic iron oxide nanoparticles targeting ofÂEPCs in ischemic brain injury. Biomaterials, 2013, 34, 4982-4992.	11.4	65
39	Sesamin alleviates blood-brain barrier disruption in mice with experimental traumatic brain injury. Acta Pharmacologica Sinica, 2017, 38, 1445-1455.	6.1	64
40	Oligodendrocyte precursor cells transplantation protects bloodâ€“brain barrier in a mouse model of brain ischemia via Wnt/Î²-catenin signaling. Cell Death and Disease, 2020, 11, 9.	6.3	64
41	Arterial stiffness and stroke: de-stiffening strategy, a therapeutic target for stroke. Stroke and Vascular Neurology, 2017, 2, 65-72.	3.3	62
42	Dl-3-N-butylphthalide attenuates ischemic reperfusion injury by improving the function of cerebral artery and circulation. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2011-2021.	4.3	62
43	MicroRNA-126 Regulates Angiogenesis and Neurogenesis in a Mouse Model of Focal Cerebral Ischemia. Molecular Therapy - Nucleic Acids, 2019, 16, 15-25.	5.1	61
44	Hypoxia Response Element-Regulated MMP-9 Promotes Neurological Recovery via Glial Scar Degradation and Angiogenesis in Delayed Stroke. Molecular Therapy, 2017, 25, 1448-1459.	8.2	59
45	High MR sensitive fluorescent magnetite nanocluster for stem cell tracking in ischemic mouse brain. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 1009-1019.	3.3	53
46	Effect of HMGB1 on the Paracrine Action of EPC Promotes Post-Ischemic Neovascularization in Mice. Stem Cells, 2014, 32, 2679-2689.	3.2	53
47	P2Y6 receptor inhibition aggravates ischemic brain injury by reducing microglial phagocytosis. CNS Neuroscience and Therapeutics, 2020, 26, 416-429.	3.9	53
48	Sestrin2 regulates microglia polarization through mTOR-mediated autophagic flux to attenuate inflammation during experimental brain ischemia. Journal of Neuroinflammation, 2020, 17, 329.	7.2	52
49	cxcl12-engineered endothelial progenitor cells enhance neurogenesis and angiogenesis after ischemic brain injury in mice. Stem Cell Research and Therapy, 2018, 9, 139.	5.5	51
50	Netrin-1 Overexpression Promotes White Matter Repairing and Remodeling after Focal Cerebral Ischemia in Mice. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1921-1927.	4.3	46
51	Endothelial progenitor cells transplantation attenuated blood-brain barrier damage after ischemia in diabetic mice via HIF-1Î±. Stem Cell Research and Therapy, 2017, 8, 163.	5.5	46
52	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
53	The Function of Astrocyte Mediated Extracellular Vesicles in Central Nervous System Diseases. Frontiers in Cell and Developmental Biology, 2020, 8, 568889.	3.7	44
54	The protective role of Tongxinluo on bloodâ€“brain barrier after ischemiaâ€“reperfusion brain injury. Journal of Ethnopharmacology, 2013, 148, 632-639.	4.1	41

#	Article	IF	Citations
55	Dlâ€3â€Nâ€butylphthalide promotes angiogenesis and upregulates sonic hedgehog expression after cerebral ischemia in rats. CNS Neuroscience and Therapeutics, 2019, 25, 748-758.	3.9	41
56	Native and Bioengineered Exosomes for Ischemic Stroke Therapy. Frontiers in Cell and Developmental Biology, 2021, 9, 619565.	3.7	41
57	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
58	Carvacrol protects neuroblastoma SH-SY5Y cells against Fe2+-induced apoptosis by suppressing activation of MAPK/JNK-NF-ÎºB signaling pathway. Acta Pharmacologica Sinica, 2015, 36, 1426-1436.	6.1	40
59	Blocking C3d⁺/GFAP⁺ A1 Astrocyte Conversion with Semaglutide Attenuates Blood-Brain Barrier Disruption in Mice after Ischemic Stroke. , 2022, 13, 943.		40
60	M2 microglia-derived extracellular vesicles promote white matter repair and functional recovery via miR-23a-5p after cerebral ischemia in mice. Theranostics, 2022, 12, 3553-3573.	10.0	40
61	CXCL12Gene Therapy Ameliorates Ischemia-Induced White Matter Injury in Mouse Brain. Stem Cells Translational Medicine, 2015, 4, 1122-1130.	3.3	39
62	Contribution of Vascular Cells to Neointimal Formation. PLoS ONE, 2017, 12, e0168914.	2.5	38
63	MicroRNAs in Cerebral Ischemia. Stroke Research and Treatment, 2013, 2013, 1-6.	0.8	37
64	CLARITY for High-resolution Imaging and Quantification of Vasculature in the Whole Mouse Brain. , 2018, 9, 262.		37
65	A connexin43/YAP axis regulates astroglial-mesenchymal transition in hemoglobin induced astrocyte activation. Cell Death and Differentiation, 2018, 25, 1870-1884.	11.2	37
66	Sleep Disorders in Stroke: An Update on Management. , 2021, 12, 570.		37
67	MicroRNA-140-5p: A novel circulating biomarker for early warning of late-onset post-stroke depression. Journal of Psychiatric Research, 2019, 115, 129-141.	3.1	36
68	Engineering of SPECT/Photoacoustic Imaging/Antioxidative Stress Triple-Function Nanoprobe for Advanced Mesenchymal Stem Cell Therapy of Cerebral Ischemia. ACS Applied Materials & Interfaces, 2020, 12, 37885-37895.	8.0	36
69	Microbubble-based synchrotron radiation phase contrast imaging: basic study and angiography applications. Physics in Medicine and Biology, 2011, 56, 3503-3512.	3.0	35
70	Overexpression of Adiponectin Improves Neurobehavioral Outcomes After Focal Cerebral Ischemia in Aged Mice. CNS Neuroscience and Therapeutics, 2013, 19, 969-977.	3.9	35
71	Surgery-Related Thrombosis Critically Affects the Brain Infarct Volume in Mice Following Transient Middle Cerebral Artery Occlusion. PLoS ONE, 2013, 8, e75561.	2.5	34
72	Diabetes mellitus is associated with late-onset post-stroke depression. Journal of Affective Disorders, 2017, 221, 222-226.	4.1	34

#	Article	IF	Citations
73	Age-Related Frontal Periventricular White Matter Hyperintensities and miR-92a-3p Are Associated with Early-Onset Post-Stroke Depression. Frontiers in Aging Neuroscience, 2017, 9, 328.	3.4	34
74	Micro<scp>RNA</scp>â€137 and micro<scp>RNA</scp>â€195* inhibit vasculogenesis in brain arteriovenous malformations. Annals of Neurology, 2017, 82, 371-384.	5.3	33
75	Reorganization of Brain Networks in Aging and Age-related Diseases. , 2012, 3, 181-93.		33
76	Therapeutic application of exosomes in ischaemic stroke. Stroke and Vascular Neurology, 2021, 6, 483-495.	3.3	32
77	Optogenetic Inhibition of Striatal GABAergic Neuronal Activity Improves Outcomes After Ischemic Brain Injury. Stroke, 2017, 48, 3375-3383.	2.0	29
78	Rapamycin Increases Collateral Circulation in Rodent Brain after Focal Ischemia as detected by Multiple Modality Dynamic Imaging. Theranostics, 2019, 9, 4923-4934.	10.0	28
79	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
80	Optical inhibition of striatal neurons promotes focal neurogenesis and neurobehavioral recovery in mice after middle cerebral artery occlusion. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 837-847.	4.3	27
81	Circulating endothelial progenitor cells in Chinese patients with acute stroke. Hypertension Research, 2009, 32, 306-310.	2.7	26
82	A Novel Intravital Method to Evaluate Cerebral Vasospasm in Rat Models of Subarachnoid Hemorrhage: A Study with Synchrotron Radiation Angiography. PLoS ONE, 2012, 7, e33366.	2.5	26
83	Farnesoid X receptor knockout protects brain against ischemic injury through reducing neuronal apoptosis in mice. Journal of Neuroinflammation, 2020, 17, 164.	7.2	26
84	Transcranial Focused Ultrasound Stimulation Improves Neurorehabilitation after Middle Cerebral Artery Occlusion in Mice. , 2021, 12, 50.		26
85	Cyclic Mechanical Stretch Induced Smooth Muscle Cell Changes in Cerebral Aneurysm Progress by Reducing Collagen Type IV and Collagen Type VI Levels. Cellular Physiology and Biochemistry, 2018, 45, 1051-1060.	1.6	25
86	Netrin-1 attenuates brain injury after middle cerebral artery occlusion via downregulation of astrocyte activation in mice. Journal of Neuroinflammation, 2018, 15, 268.	7.2	25
87	Lâ€glutamine protects mouse brain from ischemic injury via upâ€regulating heat shock protein 70. CNS Neuroscience and Therapeutics, 2019, 25, 1030-1041.	3.9	25
88	Blood microRNA-15a Correlates with IL-6, IGF-1 and Acute Cerebral Ischemia. Current Neurovascular Research, 2018, 15, 63-71.	1.1	25
89	BM-MSC Transplantation Alleviates Intracerebral Hemorrhage-Induced Brain Injury, Promotes Astrocytes Vimentin Expression, and Enhances Astrocytes Antioxidation via the Cx43/Nrf2/HO-1 Axis. Frontiers in Cell and Developmental Biology, 2020, 8, 302.	3.7	25
90	Adiponectin modulates the function of endothelial progenitor cells via AMPK/eNOS signaling pathway. Biochemical and Biophysical Research Communications, 2017, 493, 64-70.	2.1	24

#	Article	IF	Citations
91	Protocatechuic acid exerts protective effects via suppression of the P38/JNK- NF-Î¹B signalling pathway in an experimental mouse model of intracerebral haemorrhage. European Journal of Pharmacology, 2019, 854, 128-138.	3.5	24
92	Hypoxia-controlled matrix metalloproteinase-9 hyperexpression promotes behavioral recovery after ischemia. Neuroscience Bulletin, 2015, 31, 550-560.	2.9	23
93	Mesenchymal Stem Cells Attenuated Blood-Brain Barrier Disruption via Downregulation of Aquaporin-4 Expression in EAE Mice. Molecular Neurobiology, 2020, 57, 3891-3901.	4.0	23
94	Ischemia-induced Angiogenesis is Attenuated in Aged Rats. , 2016, 7, 326.		22
95	Rosuvastatin for enhancement of aneurysm neck endothelialization after coil embolization: promotion of endothelial progenitor cells in a rodent model. Journal of Neurosurgery, 2016, 124, 1265-1274.	1.6	21
96	Reorganization of Motor Execution Networks During Sub-Acute Phase After Stroke. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 713-723.	4.9	20
97	The combination of astragalus membranaceus and ligustrazine ameliorates micro-haemorrhage by maintaining bloodâ€“brain barrier integrity in cerebrally ischaemic rats. Journal of Ethnopharmacology, 2014, 158, 301-309.	4.1	19
98	The role and regulatory mechanism of ILâ€1Î² on the methylation of the NF2 gene in benign meningiomas and leptomeninges. Molecular Carcinogenesis, 2016, 55, 2268-2277.	2.7	19
99	Optogenetic Inhibition of Striatal Neuronal Activity Improves the Survival of Transplanted Neural Stem Cells and Neurological Outcomes after Ischemic Stroke in Mice. Stem Cells International, 2017, 2017, 1-11.	2.5	19
100	Combining Injectable Plasma Scaffold with Mesenchymal Stem/Stromal Cells for Repairing Infarct Cavity after Ischemic Stroke. , 2017, 8, 203.		19
101	Oligodendrocyte precursor cell transplantation promotes angiogenesis and remyelination via Wnt/Î²-catenin pathway in a mouse model of middle cerebral artery occlusion. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 757-770.	4.3	19
102	Hemoglobin pretreatment endows rat cortical astrocytes resistance to hemin-induced toxicity via Nrf2/HO-1 pathway. Experimental Cell Research, 2017, 361, 217-224.	2.6	18
103	Adjudin Attenuates Cerebral Edema and Improves Neurological Function in Mice with Experimental Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 2850-2860.	3.4	18
104	Preconditioned Stem Cells: A Promising Strategy for Cell-Based Ischemic Stroke Therapy. Current Drug Targets, 2014, 15, 771-779.	2.1	18
105	Crosstalk of Astrocytes and Other Cells during Ischemic Stroke. Life, 2022, 12, 910.	2.4	18
106	Vessel Dilation Attenuates Endothelial Dysfunction Following Middle Cerebral Artery Occlusion in Hyperglycemic Rats. CNS Neuroscience and Therapeutics, 2016, 22, 316-324.	3.9	17
107	MicroRNA-210-3p Targets RGMA to Enhance the Angiogenic Functions of Endothelial Progenitor Cells Under Hypoxic Conditions. Frontiers in Cellular Neuroscience, 2019, 13, 223.	3.7	17
108	Endothelial progenitor cell transplantation alleviated ischemic brain injury via inhibiting C3/C3aR pathway in mice. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2374-2386.	4.3	17

#	Article	IF	Citations
109	BK Channel-Mediated Microglial Phagocytosis Alleviates Neurological Deficit After Ischemic Stroke. Frontiers in Cellular Neuroscience, 2021, 15, 683769.	3.7	17
110	Targeting Water in the Brain: Role of Aquaporin-4 in Ischemic Brain Edema. Current Drug Targets, 2019, 20, 748-755.	2.1	17
111	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
112	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
113	Plasma from healthy donors protects bloodâ€“brain barrier integrity via FGF21 and improves the recovery in a mouse model of cerebral ischaemia. Stroke and Vascular Neurology, 2021, 6, 561-571.	3.3	16
114	Sensitive imaging of intact microvessels in vivo with synchrotron radiation. IUCrJ, 2020, 7, 793-802.	2.2	16
115	Lysosome exocytosis is involved in astrocyte ATP release after oxidative stress induced by H2O2. Neuroscience Letters, 2019, 705, 251-258.	2.1	15
116	DL-3n-Butylphthalide Improves Bloodâ€“Brain Barrier Integrity in Rat After Middle Cerebral Artery Occlusion. Frontiers in Cellular Neuroscience, 2020, 14, 610714.	3.7	15
117	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
118	Fingolimod Inhibits Inflammation but Exacerbates Brain Edema in the Acute Phases of Cerebral Ischemia in Diabetic Mice. Frontiers in Neuroscience, 2020, 14, 842.	2.8	14
119	Oligodendrocyte Precursor Cells Transplantation Improves Stroke Recovery via Oligodendrogenesis, Neurite Growth and Synaptogenesis. , 2021, 12, 2096.		14
120	Extracellular vesicles from adipose-derived stem cells promote microglia M2 polarization and neurological recovery in a mouse model of transient middle cerebral artery occlusion. Stem Cell Research and Therapy, 2022, 13, 21.	5.5	14
121	Transcranial focused ultrasound stimulation reduces vasogenic edema after middle cerebral artery occlusion in mice. Neural Regeneration Research, 2022, 17, 2058.	3.0	14
122	The Effect of Erythropoietin and Its Derivatives on Ischemic Stroke Therapy: A Comprehensive Review. Frontiers in Pharmacology, 2022, 13, 743926.	3.5	14
123	Therapeutic Benefit of Bone Marrowâ€“Derived Endothelial Progenitor Cell Transplantation after Experimental Aneurysm Embolization with Coil in Rats. PLoS ONE, 2014, 9, e90069.	2.5	13
124	Monomeric CXCL12 outperforms its dimeric and wild type variants in the promotion of human endothelial progenitor cellsâ€™ function. Biochemical and Biophysical Research Communications, 2017, 488, 303-310.	2.1	13
125	Development and Feasibility Assessment of a Rotational Orthosis for Walking with Arm Swing. Frontiers in Neuroscience, 2017, 11, 32.	2.8	12
126	cxcl12 gene engineered endothelial progenitor cells further improve the functions of oligodendrocyte precursor cells. Experimental Cell Research, 2018, 367, 222-231.	2.6	11

#	Article	IF	Citations
127	Monocyte-to-Lymphocyte Ratio is Associated with Depression 3 Months After Stroke. Neuropsychiatric Disease and Treatment, 2021, Volume 17, 835-845.	2.2	11
128	Collateral circulation prevents masticatory muscle impairment in rat middle cerebral artery occlusion model. Journal of Synchrotron Radiation, 2014, 21, 1314-1318.	2.4	10
129	Hyperexpressed Netrin-1 Promoted Neural Stem Cells Migration in Mice after Focal Cerebral Ischemia. Frontiers in Cellular Neuroscience, 2016, 10, 223.	3.7	9
130	The Effect of Myosin Light Chain Kinase on the Occurrence and Development of Intracranial Aneurysm. Frontiers in Cellular Neuroscience, 2018, 12, 416.	3.7	9
131	Study of cerebral aneurysms in a modified rat model: From real-time imaging to histological analysis. Journal of Clinical Neuroscience, 2015, 22, 373-377.	1.5	8
132	X-ray propagation-based equally sloped tomography for mouse brain. Journal of X-Ray Science and Technology, 2016, 24, 79-86.	1.0	8
133	Pathophysiology of Ischemic Stroke. Translational Medicine Research, 2017, , 51-75.	0.0	8
134	Enriched environment improves behavioral performance and attenuates inflammatory response induced by TNF-Î± in healthy adult mice. European Journal of Inflammation, 2017, 15, 200-209.	0.5	8
135	Dynamic Detection of Thrombolysis in Embolic Stroke Rats by Synchrotron Radiation Angiography. Translational Stroke Research, 2019, 10, 695-704.	4.2	8
136	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
137	Simultaneous Imaging of Cerebrovascular Structure and Function in Hypertensive Rats Using Synchrotron Radiation Angiography. Frontiers in Aging Neuroscience, 2017, 9, 359.	3.4	7
138	Early Use of Statin in Patients Treated with Alteplase for Acute Ischemic Stroke. Acta Neurochirurgica Supplementum, 2016, 121, 269-275.	1.0	7
139	High-Resolution and Quantitative X-Ray Phase-Contrast Tomography for Mouse Brain Research. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-12.	1.3	6
140	Advancement in stroke research. Stroke and Vascular Neurology, 2019, 4, 61-62.	3.3	6
141	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
142	Development of an Improved Rotational Orthosis for Walking With Arm Swing and Active Ankle Control. Frontiers in Neurorobotics, 2020, 14, 17.	2.8	5
143	Phase retrievalâ€based phaseâ€contrast CT for vascular imaging with microbubble contrast agent. Medical Physics, 2021, 48, 3459-3469.	3.0	5
144	Periventricular White Matter Hyperintensity in Males is Associated with Post-Stroke Depression Onset at 3 Months. Neuropsychiatric Disease and Treatment, 2021, Volume 17, 1839-1857.	2.2	5

#	Article	IF	Citations
145	MicroRNA-140â€“5p exacerbates vascular cognitive impairment by inhibiting neurogenesis in the adult mouse hippocampus after global cerebral ischemia. Brain Research Bulletin, 2022, 183, 73-83.	3.0	5
146	Diabetes Mellitus-Related Neurobehavioral Deficits in Mice Are Associated With Oligodendrocyte Precursor Cell Dysfunction. Frontiers in Aging Neuroscience, 0, 14, .	3.4	5
147	Functional Activation-Informed Structural Changes during Stroke Recovery: A Longitudinal MRI Study. BioMed Research International, 2017, 2017, 1-13.	1.9	4
148	The Effect of IDO on Neural Progenitor Cell Survival Under Oxygen Glucose Deprivation. Frontiers in Cellular Neuroscience, 2020, 14, 581861.	3.7	3
149	Stimulation of Cerebral Angiogenesis by Gene Delivery. Methods in Molecular Biology, 2014, 1135, 317-329.	0.9	3
150	Maternal Benzophenone Exposure Impairs Hippocampus Development and Cognitive Function in Mouse Offspring. Advanced Science, 2021, 8, e2102686.	11.2	3
151	Effect of ischaemic brain injury on sexual function in adult mice. Stroke and Vascular Neurology, 2016, 1, 127-132.	3.3	2
152	The effect of anterior communicating artery flow on neurovascular injury and neurobehavioral outcomes in mice with recurrent stroke. Brain Research, 2019, 1724, 146440.	2.2	2
153	Models for temporal-spatial parameters in walking with cadence ratio as the independent variable. Medical and Biological Engineering and Computing, 2019, 57, 877-886.	2.8	2
154	r-tPA with loading dose of clopidogrel and aspirin therapies for capsular warning syndrome attributed to middle cerebral artery atherosclerotic stenosis. Medicine (United States), 2020, 99, e19247.	1.0	2
155	Biomimetic peptides protect cells from oxidative stress. American Journal of Translational Research (discontinued), 2017, 9, 5518-5527.	0.0	2
156	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
157	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
158	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 MonteÂCarlo simulation. Journal of Synchrotron Radiation, 2016, 23, 304-311.	2.4	1
159	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.) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	1
160	A biosafety evaluation of synchrotron radiation X-ray to skin and bone marrow: single dose irradiation study of rats and macaques. International Journal of Radiation Biology, 2017, 93, 637-645.	1.8	0
161	Stem Cell Therapy in Stroke. Translational Medicine Research, 2017, , 465-489.	0.0	0
162	Response by Pan and Yang to Letter Regarding Article, â€œMicroRNA-126-3p/-5p Overexpression Attenuates Blood-Brain Barrier Disruption in a Mouse Model of Middle Cerebral Artery Occlusionâ€• Stroke, 2020, 51, e67.	2.0	0