

Ming Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

4,751
citations

87723

38
h-index

110170

64
g-index

104
all docs

104
docs citations

104
times ranked

6425
citing authors

#	ARTICLE	IF	CITATIONS
1	Aquaporin-4-dependent glymphatic solute transport in the rodent brain. <i>ELife</i> , 2018, 7, .	2.8	365
2	Deletion of aquaporin-4 in APP/PS1 mice exacerbates brain A β accumulation and memory deficits. <i>Molecular Neurodegeneration</i> , 2015, 10, 58.	4.4	322
3	Role of RAGE in Alzheimer's Disease. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 483-495.	1.7	203
4	Blocking meningeal lymphatic drainage aggravates Parkinson's disease-like pathology in mice overexpressing mutated α -synuclein. <i>Translational Neurodegeneration</i> , 2019, 8, 7.	3.6	187
5	Exosome-mediated targeted delivery of miR-210 for angiogenic therapy after cerebral ischemia in mice. <i>Journal of Nanobiotechnology</i> , 2019, 17, 29.	4.2	186
6	Dimethyl Sulfoxide Damages Mitochondrial Integrity and Membrane Potential in Cultured Astrocytes. <i>PLoS ONE</i> , 2014, 9, e107447.	1.1	136
7	Altered blood-brain barrier integrity in adult aquaporin-4 knockout mice. <i>NeuroReport</i> , 2008, 19, 1-5.	0.6	123
8	Impairments of astrocytes are involved in the d-galactose-induced brain aging. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 1082-1087.	1.0	121
9	Dopamine D2 receptor restricts astrocytic NLRP3 inflammasome activation via enhancing the interaction of β -arrestin2 and NLRP3. <i>Cell Death and Differentiation</i> , 2018, 25, 2037-2049.	5.0	119
10	Activation of mTOR: a culprit of Alzheimer's disease?. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 1015.	1.0	108
11	Long-term d-galactose injection combined with ovariectomy serves as a new rodent model for Alzheimer's disease. <i>Life Sciences</i> , 2007, 80, 1897-1905.	2.0	102
12	Oligodendrocytes and Alzheimer's disease. <i>International Journal of Neuroscience</i> , 2016, 126, 97-104.	0.8	99
13	Deep cervical lymph node ligation aggravates AD-like pathology of APP/PS1 mice. <i>Brain Pathology</i> , 2019, 29, 176-192.	2.1	97
14	Baicalein Attenuates Neuroinflammation by Inhibiting NLRP3/Caspase-1/GSDMD Pathway in MPTP-Induced Mice Model of Parkinson's Disease. <i>International Journal of Neuropsychopharmacology</i> , 2020, 23, 762-773.	1.0	94
15	Requirement of AQP4 for Antidepressive Efficiency of Fluoxetine: Implication in Adult Hippocampal Neurogenesis. <i>Neuropsychopharmacology</i> , 2009, 34, 1263-1276.	2.8	93
16	Persistent Malfunction of Glymphatic and Meningeal Lymphatic Drainage in a Mouse Model of Subarachnoid Hemorrhage. <i>Experimental Neurobiology</i> , 2019, 28, 104-118.	0.7	89
17	Pyridoxine induces glutathione synthesis via PKM2-mediated Nrf2 transactivation and confers neuroprotection. <i>Nature Communications</i> , 2020, 11, 941.	5.8	86
18	Effects of a specially designed aerobic dance routine on mild cognitive impairment. <i>Clinical Interventions in Aging</i> , 2018, Volume 13, 1691-1700.	1.3	83

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19	Cerebral small vessel disease and Alzheimer's disease. <i>Clinical Interventions in Aging</i> , 2015, 10, 1695.	1.3	81
20	Human adult olfactory neural progenitors rescue axotomized rodent rubrospinal neurons and promote functional recovery. <i>Experimental Neurology</i> , 2005, 194, 12-30.	2.0	78
21	Ginkgolide B Protects Against Ischemic Stroke Via Modulating Microglia Polarization in Mice. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 729-739.	1.9	78
22	Aquaporin-4 mediates astrocyte response to β -amyloid. <i>Molecular and Cellular Neurosciences</i> , 2012, 49, 406-414.	1.0	72
23	Microglia prevent beta-amyloid plaque formation in the early stage of an Alzheimer's disease mouse model with suppression of glymphatic clearance. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 125.	3.0	70
24	Aquaporin-4 maintains ependymal integrity in adult mice. <i>Neuroscience</i> , 2009, 162, 67-77.	1.1	67
25	Isolation Housing Exacerbates Alzheimer's Disease-Like Pathophysiology in Aged APP/PS1 Mice. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyu116-pyu116.	1.0	62
26	Involvement of Aquaporin 4 in Astrocyte Function and Neuropsychiatric Disorders. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 385-390.	1.9	61
27	An ethical solution to the challenges in teaching anatomy with dissection in the Chinese culture. <i>Anatomical Sciences Education</i> , 2008, 1, 56-59.	2.5	59
28	Assessment of mouse cognitive and anxiety-like behaviors and hippocampal inflammation following a repeated and intermittent paradoxical sleep deprivation procedure. <i>Behavioural Brain Research</i> , 2017, 321, 69-78.	1.2	59
29	Characterization of AD-like phenotype in aged APPSwe/PS1dE9 mice. <i>Age</i> , 2016, 38, 303-322.	3.0	53
30	The influence of gender, age and treatment time on brain oxidative stress and memory impairment induced by D-galactose in mice. <i>Neuroscience Letters</i> , 2014, 571, 45-49.	1.0	50
31	Exosomes: a novel therapeutic target for Alzheimer's disease?. <i>Neural Regeneration Research</i> , 2018, 13, 930.	1.6	50
32	Human adult olfactory neural progenitors promote axotomized rubrospinal tract axonal reinnervation and locomotor recovery. <i>Neurobiology of Disease</i> , 2007, 26, 363-374.	2.1	48
33	Aquaporin-4 deficiency exacerbates brain oxidative damage and memory deficits induced by long-term ovarian hormone deprivation and D-galactose injection. <i>International Journal of Neuropsychopharmacology</i> , 2012, 15, 55-68.	1.0	45
34	An overview of the roles and responsibilities of Chinese medical colleges in body donation programs. <i>Anatomical Sciences Education</i> , 2014, 7, 312-320.	2.5	44
35	Aquaporins in Nervous System. <i>Advances in Experimental Medicine and Biology</i> , 2017, 969, 81-103.	0.8	41
36	Fluoxetine protects against IL-1 β -induced neuronal apoptosis via downregulation of p53. <i>Neuropharmacology</i> , 2016, 107, 68-78.	2.0	40

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37	Early enriched physical environment reverses impairments of the hippocampus, but not medial prefrontal cortex, of socially-isolated mice. <i>Brain, Behavior, and Immunity</i> , 2017, 64, 232-243.	2.0	40
38	AEG-1/MTDH-activated autophagy enhances human malignant glioma susceptibility to TGF- β 1-triggered epithelial-mesenchymal transition. <i>Oncotarget</i> , 2016, 7, 13122-13138.	0.8	40
39	Aerobic Exercise Combined with Antioxidative Treatment does not Counteract Moderate- or Mid-Stage Alzheimer-Like Pathophysiology of APP/PS1 Mice. <i>CNS Neuroscience and Therapeutics</i> , 2013, 19, 795-803.	1.9	39
40	Aquaporin-4 Mitigates Retrograde Degeneration of Rubrospinal Neurons by Facilitating Edema Clearance and Glial Scar Formation After Spinal Cord Injury in Mice. <i>Molecular Neurobiology</i> , 2014, 49, 1327-1337.	1.9	39
41	Chronic systemic injection of D-galactose impairs the septohippocampal cholinergic system in rats. <i>NeuroReport</i> , 2008, 19, 1611-1615.	0.6	38
42	Minocycline upregulates cyclic AMP response element binding protein and brain-derived neurotrophic factor in the hippocampus of cerebral ischemia rats and improves behavioral deficits. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 507.	1.0	36
43	Voluntary exercise counteracts A β 25-35-induced memory impairment in mice. <i>Behavioural Brain Research</i> , 2013, 256, 618-625.	1.2	35
44	Enriched Physical Environment Attenuates Spatial and Social Memory Impairments of Aged Socially Isolated Mice. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 1114-1127.	1.0	35
45	The distribution of neural nitric oxide synthase-positive cerebrospinal fluid-contacting neurons in the third ventricular wall of male rats and coexistence with vasopressin or oxytocin. <i>Brain Research</i> , 2005, 1038, 150-162.	1.1	33
46	Differentiation of Transformed Bipolar Disorder From Unipolar Depression by Resting-State Functional Connectivity Within Reward Circuit. <i>Frontiers in Psychology</i> , 2018, 9, 2586.	1.1	33
47	Deletion of aquaporin-4 aggravates brain pathology after blocking of the meningeal lymphatic drainage. <i>Brain Research Bulletin</i> , 2018, 143, 83-96.	1.4	33
48	Systemic inflammasome activation and pyroptosis associate with the progression of amnesic mild cognitive impairment and Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2021, 18, 280.	3.1	33
49	Chronic Cerebral Hypoperfusion Promotes Amyloid-Beta Pathogenesis via Activating β -Secretases. <i>Neurochemical Research</i> , 2017, 42, 3446-3455.	1.6	31
50	Aquaporin 4 deletion exacerbates brain impairments in a mouse model of chronic sleep disruption. <i>CNS Neuroscience and Therapeutics</i> , 2020, 26, 228-239.	1.9	31
51	Disruption of neuronal-glia-vascular units in the hippocampus of ovariectomized mice injected with d-galactose. <i>Neuroscience</i> , 2010, 169, 596-608.	1.1	28
52	Administration of exogenous 1,25(OH) $_2$ D $_3$ normalizes overactivation of the central renin-angiotensin system in 11 β (OH) Δ ase knockout mice. <i>Neuroscience Letters</i> , 2015, 588, 184-189.	1.0	26
53	Home quarantine or centralized quarantine, which is more conducive to fighting COVID-19 pandemic?. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 142-143.	2.0	26
54	Brain Mitochondrial Dysfunction in Ovariectomized Mice Injected with d-Galactose. <i>Neurochemical Research</i> , 2010, 35, 399-404.	1.6	25

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55	IL-17 suppresses macrophage autophagy and promotes liver pathology in <i>Schistosoma japonicum</i> infected mice. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 3353-3363.	1.6	25
56	Pathological and biochemical alterations of astrocytes in ovariectomized rats injected with D-galactose: A potential contribution to Alzheimer's disease processes. <i>Experimental Neurology</i> , 2008, 210, 709-718.	2.0	24
57	Aquaporin-4 expression contributes to decreases in brain water content during mouse postnatal development. <i>Brain Research Bulletin</i> , 2013, 94, 49-55.	1.4	22
58	Pro- and Anti-inflammatory Effects of High Cholesterol Diet on Aged Brain. , 2018, 9, 374.		22
59	Calcium Sensing Receptor Absence Delays Postnatal Brain Development via Direct and Indirect Mechanisms. <i>Molecular Neurobiology</i> , 2013, 48, 590-600.	1.9	20
60	Metabolic Dysfunction of Astrocyte: An Initiating Factor in Beta-amyloid Pathology?. <i>Aging and Neurodegeneration</i> , 2013, 1, 7-14.	2.0	20
61	Cellular Localization of Aquaporin-1 in the Human and Mouse Trigeminal Systems. <i>PLoS ONE</i> , 2012, 7, e46379.	1.1	19
62	Expression and colocalization of NADPH-diaphorase and Fos in the subnuclei of the parabrachial nucleus in rats following visceral noxious stimulation. <i>Brain Research</i> , 2006, 1114, 41-52.	1.1	18
63	Aquaporin 4 in Astrocytes is a Target for Therapy in Alzheimer's Disease. <i>Current Pharmaceutical Design</i> , 2018, 23, 4948-4957.	0.9	18
64	Evidence of Early Cretaceous lower arc crust delamination and its role in the opening of the South China Sea. <i>Gondwana Research</i> , 2019, 76, 123-145.	3.0	17
65	Kir6.2 Deficiency Promotes Mesencephalic Neural Precursor Cell Differentiation via Regulating miR-133b/GDNF in a Parkinson's Disease Mouse Model. <i>Molecular Neurobiology</i> , 2018, 55, 8550-8562.	1.9	16
66	Astroglial water channel aquaporin 4-mediated glymphatic clearance function: A determined factor for time-sensitive treatment of aerobic exercise in patients with Alzheimer's disease. <i>Medical Hypotheses</i> , 2018, 119, 18-21.	0.8	16
67	Drainage of senescent astrocytes from brain via meningeal lymphatic routes. <i>Brain, Behavior, and Immunity</i> , 2022, 103, 85-96.	2.0	16
68	Enriched physical environment reverses spatial cognitive impairment of socially isolated APP ^{swe} /PS1 ^{dE9} transgenic mice before amyloidosis onset. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 202-211.	1.9	15
69	Gait Kinematic and Kinetic Characteristics of Older Adults With Mild Cognitive Impairment and Subjective Cognitive Decline: A Cross-Sectional Study. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 664558.	1.7	15
70	Bmi-1 Absence Causes Premature Brain Degeneration. <i>PLoS ONE</i> , 2012, 7, e32015.	1.1	15
71	Aquaporin 4 deficiency eliminates the beneficial effects of voluntary exercise in a mouse model of Alzheimer's disease. <i>Neural Regeneration Research</i> , 2022, 17, 2079.	1.6	15
72	Depressive- and anxiety-like phenotypes in young adult APP ^{swe} /PS1 ^{dE9} transgenic mice with insensitivity to chronic mild stress. <i>Behavioural Brain Research</i> , 2018, 353, 114-123.	1.2	14

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73	A high cholesterol diet ameliorates hippocampus-related cognitive and pathological deficits in ovariectomized mice. <i>Behavioural Brain Research</i> , 2012, 230, 251-258.	1.2	13
74	Gas release systematics of mineral-hosted fluid inclusions during stepwise crushing: implications for ⁴⁰ Ar/ ³⁹ Ar geochronology of hydrothermal fluids. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 251, 36-55.	1.6	13
75	Acute baroreceptor unloading evokes Fos expression in anesthetized rat brain. <i>Brain Research Bulletin</i> , 2008, 76, 63-69.	1.4	12
76	Nitric oxide mediates feedback inhibition in angiotensin II-induced upregulation of vasopressin mRNA. <i>Peptides</i> , 2009, 30, 913-917.	1.2	12
77	Heterozygous knockout of the Bmi-1 gene causes an early onset of phenotypes associated with brain aging. <i>Age</i> , 2014, 36, 129-139.	3.0	12
78	Aquaporin 4 knockout increases complete Freund's adjuvant-induced spinal central sensitization. <i>Brain Research Bulletin</i> , 2020, 156, 58-66.	1.4	12
79	Pretraining affects Morris water maze performance with different patterns between control and ovariectomized plus d-galactose-injected mice. <i>Behavioural Brain Research</i> , 2011, 217, 244-247.	1.2	10
80	Astrocyte activation but not neuronal impairment occurs in the hippocampus of mice after 2 weeks of d-galactose exposure. <i>Life Sciences</i> , 2011, 89, 355-363.	2.0	10
81	Effect of 3-Month Aerobic Dance on Hippocampal Volume and Cognition in Elderly People With Amnesic Mild Cognitive Impairment: A Randomized Controlled Trial. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 771413.	1.7	9
82	Effects of Repetitive Transcranial Magnetic Stimulation (rTMS) and Treadmill Training on Recovery of Motor Function in a Rat Model of Partial Spinal Cord Injury. <i>Medical Science Monitor</i> , 2021, 27, e931601.	0.5	7
83	Different Expression Patterns of Amyloid- β 2 Protein Precursor Secretases in Human and Mouse Hippocampal Neurons: A Potential Contribution to Species Differences in Neuronal Susceptibility to Amyloid- β Pathogenesis. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 179-195.	1.2	5
84	Combination of repetitive transcranial magnetic stimulation and treadmill training reduces hyperreflexia by rebalancing motoneuron excitability in rats after spinal cord contusion. <i>Neuroscience Letters</i> , 2022, 775, 136536.	1.0	5
85	Hypothesis: Multiple factors are associated with the lack of any beneficial effects of oestrogen replacement therapy in the late postmenopausal stage. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010, 37, 873-876.	0.9	4
86	Single-molecule telomere length characterization by optical mapping in nano-channel array: Perspective and review on telomere length measurement. <i>Environmental Toxicology and Pharmacology</i> , 2021, 82, 103562.	2.0	4
87	The dynamic distribution of fluoro-gold and its interrelation with neural nitric oxide synthase following intracerebroventricular injection into rat brain. <i>Biotechnic and Histochemistry</i> , 2006, 81, 41-50.	0.7	3
88	The Feasibility of Targeted Magnetic Iron Oxide Nanoagent for Noninvasive IgA Nephropathy Diagnosis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 755692.	2.0	3
89	Prenatal ethanol exposure does not cause neurological alterations in adult CD1 mice. <i>NeuroReport</i> , 2013, 24, 196-201.	0.6	2
90	Increased endogenous reactive oxygen species normalizes proliferation defects of Bmi1 heterozygous knockout neural stem cells. <i>NeuroReport</i> , 2021, Publish Ahead of Print, 1388-1394.	0.6	0

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91	Comparison of Serum Triiodothyronine with Biomarkers for Alzheimer's Disease Continuum in Euthyroid Subjects. <i>Journal of Alzheimer's Disease</i> , 2021, , 1-10.	1.2	0
92	Acquired immunity and Alzheimer's disease. <i>Journal of Biomedical Research</i> , 2023, 37, 15.	0.7	0