

# Xin Wang

## List of Publications by Year in descending order

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64  
papers

3,329  
citations

159525

30  
h-index

149623

56  
g-index

64  
all docs

64  
docs citations

64  
times ranked

4618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advancement in CRISPR/Cas9 Technology to Better Understand and Treat Neurological Disorders. Cellular and Molecular Neurobiology, 2023, 43, 1019-1035.	1.7	3
2	The Biogenesis of miRNAs and Their Role in the Development of Amyotrophic Lateral Sclerosis. Cells, 2022, 11, 572.	1.8	21
3	The mechanism of the WNT5A and FZD4 receptor mediated WNT/ $\beta$ -catenin pathway in the degeneration of ALS spinal cord motor neurons. Biochemical and Biophysical Research Communications, 2022, 609, 23-30.	1.0	4
4	The Impact of Mitochondrial Dysfunction in Amyotrophic Lateral Sclerosis. Cells, 2022, 11, 2049.	1.8	28
5	Potential Roles of the WNT Signaling Pathway in Amyotrophic Lateral Sclerosis. Cells, 2021, 10, 839.	1.8	15
6	N-acetylserotonin alleviated the expression of interleukin-1 $\beta$ in retinal ischemia/reperfusion rats via the TLR4/NF- $\kappa$ B/NLRP3 pathway. Experimental Eye Research, 2021, 208, 108595.	1.2	14
7	Melatonin in neuroskeletal biology. Current Opinion in Pharmacology, 2021, 61, 42-48.	1.7	4
8	The neuroprotective effects of Insulin-Like Growth Factor 1 via the Hippo/YAP signaling pathway are mediated by the PI3K/AKT cascade following cerebral ischemia/reperfusion injury. Brain Research Bulletin, 2021, 177, 373-387.	1.4	12
9	Melatonin and Autophagy in Aging-Related Neurodegenerative Diseases. International Journal of Molecular Sciences, 2020, 21, 7174.	1.8	87
10	The Role of Purinergic Signaling in the Pathophysiology of Perinatal Hypoxic-Ischemic Encephalopathy. , 2020, , .		0
11	Role of Alcohol Drinking in Alzheimer's Disease, Parkinson's Disease, and Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2020, 21, 2316.	1.8	75
12	Tartary buckwheat extract alleviates alcohol-induced acute and chronic liver injuries through the inhibition of oxidative stress and mitochondrial cell death pathway. American Journal of Translational Research (discontinued), 2020, 12, 70-89.	0.0	5
13	Monogenic, Polygenic, and MicroRNA Markers for Ischemic Stroke. Molecular Neurobiology, 2019, 56, 1330-1343.	1.9	16
14	Endoplasmic reticulum-mitochondria crosstalk: from junction to function across neurological disorders. Annals of the New York Academy of Sciences, 2019, 1457, 41-60.	1.8	64
15	Melatonin attenuates white matter damage after focal brain ischemia in rats by regulating the TLR4/NF- $\kappa$ B pathway. Brain Research Bulletin, 2019, 150, 168-178.	1.4	31
16	IL-2 mAb reduces demyelination after focal cerebral ischemia by suppressing CD8 <sup>+</sup> T cells. CNS Neuroscience and Therapeutics, 2019, 25, 532-543.	1.9	31
17	The multiple protective roles and molecular mechanisms of melatonin and its precursor N-acetylserotonin in targeting brain injury and liver damage and in maintaining bone health. Free Radical Biology and Medicine, 2019, 130, 215-233.	1.3	59
18	Bone marrow mesenchymal stromal cells alleviate brain white matter injury via the enhanced proliferation of oligodendrocyte progenitor cells in focal cerebral ischemic rats. Brain Research, 2018, 1680, 127-136.	1.1	18

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19	Screening the expression characteristics of several miRNAs in <i>SOD1</i> transgenic mouse: altered expression of miRNA-124 is associated with astrocyte differentiation by targeting Sox2 and Sox9. <i>Journal of Neurochemistry</i> , 2018, 145, 51-67.	2.1	55
20	Protection of melatonin in experimental models of newborn hypoxic-ischemic brain injury through MT <sub>1</sub> receptor. <i>Journal of Pineal Research</i> , 2018, 64, e12443.	3.4	62
21	MicroRNA-101 inhibits proliferation, migration and invasion of human glioblastoma by targeting SOX9. <i>Oncotarget</i> , 2017, 8, 19244-19254.	0.8	57
22	DDX3 binding with CK1 $\mu$ was closely related to motor neuron degeneration of ALS by affecting neurite outgrowth. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 4627-4639.	0.0	7
23	CLC-3 Expression and Its Association with Hyperglycemia Induced HT22 Hippocampal Neuronal Cell Apoptosis. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-12.	1.0	17
24	Melatonin and Other Neuroprotective Agents Target Molecular Mechanisms of Disease in Amyotrophic Lateral Sclerosis. , 2016, , 869-903.		1
25	Ginsenoside Rd and ginsenoside Re offer neuroprotection in a novel model of Parkinson's disease. <i>American Journal of Neurodegenerative Disease</i> , 2016, 5, 52-61.	0.1	13
26	N-acetyl-L-tryptophan, but not N-acetyl-D-tryptophan, rescues neuronal cell death in models of amyotrophic lateral sclerosis. <i>Journal of Neurochemistry</i> , 2015, 134, 956-968.	2.1	34
27	N-acetyl-L-tryptophan delays disease onset and extends survival in an amyotrophic lateral sclerosis transgenic mouse model. <i>Neurobiology of Disease</i> , 2015, 80, 93-103.	2.1	30
28	Neuroprotective agents for neonatal hypoxic-ischemic brain injury. <i>Drug Discovery Today</i> , 2015, 20, 1372-1381.	3.2	52
29	Neuroprotective agents target molecular mechanisms of disease in ALS. <i>Drug Discovery Today</i> , 2015, 20, 65-75.	3.2	30
30	Protective effects of perfluorooctyl-bromide nanoparticles on early brain injuries following subarachnoid hemorrhage in rats. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 1404-16.	0.0	3
31	The altered autophagy mediated by TFEB in animal and cell models of amyotrophic lateral sclerosis. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 1574-87.	0.0	35
32	N-Acetyl-Serotonin Protects HepG2 Cells from Oxidative Stress Injury Induced by Hydrogen Peroxide. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-15.	1.9	61
33	Electrical Stimulation of Cerebellar Fastigial Nucleus: Mechanism of Neuroprotection and Prospects for Clinical Application against Cerebral Ischemia. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 710-716.	1.9	34
34	N-Acetyl-Serotonin Offers Neuroprotection through Inhibiting Mitochondrial Death Pathways and Autophagic Activation in Experimental Models of Ischemic Injury. <i>Journal of Neuroscience</i> , 2014, 34, 2967-2978.	1.7	97
35	Umbilical cord blood cells regulate the differentiation of endogenous neural stem cells in hypoxic ischemic neonatal rats via the hedgehog signaling pathway. <i>Brain Research</i> , 2014, 1560, 18-26.	1.1	27
36	Sox9 regulates hyperexpression of Wnt1 and Fzd1 in human osteosarcoma tissues and cells. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 4795-805.	0.5	10

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37	Joint protective effect of exogenous neuroglobin and hemin in rat focal ischemic brain tissues. <i>International Journal of Clinical and Experimental Medicine</i> , 2014, 7, 2009-16.	1.3	6
38	Therapeutic neuroprotective agents for amyotrophic lateral sclerosis. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4729-4745.	2.4	65
39	Role of Wnt1 and Fzd1 in the spinal cord pathogenesis of amyotrophic lateral sclerosis-transgenic mice. <i>Biotechnology Letters</i> , 2013, 35, 1199-1207.	1.1	31
40	Melatonin inhibits the caspase-1/cytochrome c/caspase-3 cell death pathway, inhibits MT1 receptor loss and delays disease progression in a mouse model of amyotrophic lateral sclerosis. <i>Neurobiology of Disease</i> , 2013, 55, 26-35.	2.1	111
41	Wnt Signaling is Altered by Spinal Cord Neuronal Dysfunction in Amyotrophic Lateral Sclerosis Transgenic Mice. <i>Neurochemical Research</i> , 2013, 38, 1904-1913.	1.6	47
42	Protective Effect of N-Acetylserotonin against Acute Hepatic Ischemia-Reperfusion Injury in Mice. <i>International Journal of Molecular Sciences</i> , 2013, 14, 17680-17693.	1.8	22
43	Neural metabolite changes in corpus striatum after rat multipotent mesenchymal stem cells transplanted in hemiparkinsonian rats by magnetic resonance spectroscopy. <i>International Journal of Neuroscience</i> , 2013, 123, 883-891.	0.8	9
44	Expression of Wnt5a and its receptor Fzd2 is changed in the spinal cord of adult amyotrophic lateral sclerosis transgenic mice. <i>International Journal of Clinical and Experimental Pathology</i> , 2013, 6, 1245-60.	0.5	22
45	miRNA-9 expression is upregulated in the spinal cord of G93A-SOD1 transgenic mice. <i>International Journal of Clinical and Experimental Pathology</i> , 2013, 6, 1826-38.	0.5	34
46	Wnt signaling pathway is involved in the pathogenesis of amyotrophic lateral sclerosis in adult transgenic mice. <i>Neurological Research</i> , 2012, 34, 390-399.	0.6	58
47	Activation of the Wnt/ $\beta$ -catenin signaling pathway is associated with glial proliferation in the adult spinal cord of ALS transgenic mice. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 397-403.	1.0	70
48	Neuroprotection for Amyotrophic Lateral Sclerosis: Role of Stem Cells, Growth Factors, and Gene Therapy. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2012, 12, 15-27.	0.5	29
49	Valproic acid improves locomotion in vivo after SCI and axonal growth of neurons in vitro. <i>Experimental Neurology</i> , 2012, 233, 783-790.	2.0	54
50	Editorial [Hot Topic: Recent Advances in Stroke: Molecular Mechanisms, Approaches, and Treatments (Guest Editor: Xin Wang)]. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2011, 11, 80-80.	0.5	3
51	Dipyron Inhibits Neuronal Cell Death and Diminishes Hypoxic/Ischemic Brain Injury. <i>Neurosurgery</i> , 2011, 69, 942-956.	0.6	32
52	Therapeutic Application of Histone Deacetylase Inhibitors for Stroke. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2011, 11, 138-149.	0.5	19
53	Central Nervous System Agents for Ischemic Stroke: Neuroprotection Mechanisms. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2011, 11, 81-97.	0.5	70
54	The Melatonin MT1 Receptor Axis Modulates Mutant Huntingtin-Mediated Toxicity. <i>Journal of Neuroscience</i> , 2011, 31, 14496-14507.	1.7	145

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55	Methazolamide and Melatonin Inhibit Mitochondrial Cytochrome C Release and Are Neuroprotective in Experimental Models of Ischemic Injury. <i>Stroke</i> , 2009, 40, 1877-1885.	1.0	137
56	The Antiapoptotic Activity of Melatonin in Neurodegenerative Diseases. <i>CNS Neuroscience and Therapeutics</i> , 2009, 15, 345-357.	1.9	205
57	Inhibitors of Cytochrome <i>c</i> Release with Therapeutic Potential for Huntington's Disease. <i>Journal of Neuroscience</i> , 2008, 28, 9473-9485.	1.7	101
58	Nortriptyline Protects Mitochondria and Reduces Cerebral Ischemia/Hypoxia Injury. <i>Stroke</i> , 2008, 39, 455-462.	1.0	74
59	Nortriptyline delays disease onset in models of chronic neurodegeneration. <i>European Journal of Neuroscience</i> , 2007, 26, 633-641.	1.2	49
60	Increased stem cell proliferation in the spinal cord of adult amyotrophic lateral sclerosis transgenic mice. <i>Journal of Neurochemistry</i> , 2007, 102, 1125-1138.	2.1	31
61	Dysregulation of Receptor Interacting Protein-2 and Caspase Recruitment Domain Only Protein Mediates Aberrant Caspase-1 Activation in Huntington's Disease. <i>Journal of Neuroscience</i> , 2005, 25, 11645-11654.	1.7	45
62	Fundamental role of the Rip2/caspase-1 pathway in hypoxia and ischemia-induced neuronal cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 16012-16017.	3.3	180
63	Minocycline inhibits caspase-independent and -dependent mitochondrial cell death pathways in models of Huntington's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10483-10487.	3.3	390
64	Increase of Oxidatively Modified Protein Is Associated With a Decrease of Proteasome Activity and Content in Aging Epidermal Cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2000, 55, B220-B227.	1.7	178