

Xin Qi

List of Publications by Year in descending order

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62
papers

8,537
citations

147801

31
h-index

133252

59
g-index

63
all docs

63
docs citations

63
times ranked

17720
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Novel Drp1 inhibitor diminishes aberrant mitochondrial fission and neurotoxicity. <i>Journal of Cell Science</i> , 2013, 126, 789-802.	2.0	311
3	Inhibition of mitochondrial fragmentation diminishes Huntington's disease-associated neurodegeneration. <i>Journal of Clinical Investigation</i> , 2013, 123, 5371-5388.	8.2	295
4	Acute Inhibition of Excessive Mitochondrial Fission After Myocardial Infarction Prevents Long-term Cardiac Dysfunction. <i>Journal of the American Heart Association</i> , 2013, 2, e000461.	3.7	266
5	Sodium 4-Phenylbutyrate Protects against Cerebral Ischemic Injury. <i>Molecular Pharmacology</i> , 2004, 66, 899-908.	2.3	259
6	Aberrant mitochondrial fission in neurons induced by protein kinase C γ under oxidative stress conditions in vivo. <i>Molecular Biology of the Cell</i> , 2011, 22, 256-265.	2.1	228
7	Inhibition of excessive mitochondrial fission reduced aberrant autophagy and neuronal damage caused by LRRK2 G2019S mutation. <i>Human Molecular Genetics</i> , 2013, 22, 4545-4561.	2.9	190
8	A dimeric equilibrium intermediate nucleates Drp1 reassembly on mitochondrial membranes for fission. <i>Molecular Biology of the Cell</i> , 2014, 25, 1905-1915.	2.1	149
9	VCP recruitment to mitochondria causes mitophagy impairment and neurodegeneration in models of Huntington's disease. <i>Nature Communications</i> , 2016, 7, 12646.	12.8	144
10	Cardiolipin's propensity for phase transition and its reorganization by dynamin-related protein 1 form a basis for mitochondrial membrane fission. <i>Molecular Biology of the Cell</i> , 2015, 26, 3104-3116.	2.1	129
11	Inhibition of Drp1 mitochondrial translocation provides neural protection in dopaminergic system in a Parkinson's disease model induced by MPTP. <i>Scientific Reports</i> , 2016, 6, 32656.	3.3	113
12	Mitochondria: A Therapeutic Target for Parkinson's Disease?. <i>International Journal of Molecular Sciences</i> , 2015, 16, 20704-20730.	4.1	96
13	Drp1 stabilizes p53 on the mitochondria to trigger necrosis under oxidative stress conditions <i>in vitro</i> and <i>in vivo</i> . <i>Biochemical Journal</i> , 2014, 461, 137-146.	3.7	89
14	The PKC γ -Abl complex communicates ER stress to the mitochondria – an essential step in subsequent apoptosis. <i>Journal of Cell Science</i> , 2008, 121, 804-813.	2.0	87
15	Edaravone Protects against Hypoxia/Ischemia-Induced Endoplasmic Reticulum Dysfunction. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 388-393.	2.5	81
16	Oligodendroglial glycolytic stress triggers inflammasome activation and neuropathology in Alzheimer's disease. <i>Science Advances</i> , 2020, 6, .	10.3	79
17	Distinct Splice Variants of Dynamin-related Protein 1 Differentially Utilize Mitochondrial Fission Factor as an Effector of Cooperative GTPase Activity. <i>Journal of Biological Chemistry</i> , 2016, 291, 493-507.	3.4	78
18	Dynamin-related Protein 1 Oligomerization in Solution Impairs Functional Interactions with Membrane-anchored Mitochondrial Fission Factor. <i>Journal of Biological Chemistry</i> , 2016, 291, 478-492.	3.4	78

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19	A selective inhibitor of mitofusin 1- $\hat{2}$ IIPKC association improves heart failure outcome in rats. <i>Nature Communications</i> , 2019, 10, 329.	12.8	71
20	The effects of the Chinese medicine ZiBu PiYin recipe on the hippocampus in a rat model of diabetes-associated cognitive decline: a proteomic analysis. <i>Diabetologia</i> , 2011, 54, 1888-1899.	6.3	66
21	Alpha-synuclein suppresses mitochondrial protease ClpP to trigger mitochondrial oxidative damage and neurotoxicity. <i>Acta Neuropathologica</i> , 2019, 137, 939-960.	7.7	62
22	ATAD3A oligomerization causes neurodegeneration by coupling mitochondrial fragmentation and bioenergetics defects. <i>Nature Communications</i> , 2019, 10, 1371.	12.8	59
23	\hat{P} KC participates in the endoplasmic reticulum stress-induced response in cultured cardiac myocytes and ischemic heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 43, 420-428.	1.9	57
24	Sustained pharmacological inhibition of \hat{P} KC protects against hypertensive encephalopathy through prevention of blood-brain barrier breakdown in rats. <i>Journal of Clinical Investigation</i> , 2008, 118, 173-82.	8.2	57
25	Regulation of mitochondrial processes: A target for heart failure. <i>Drug Discovery Today Disease Mechanisms</i> , 2010, 7, e95-e102.	0.8	54
26	Threonine 56 phosphorylation of Bcl-2 is required for LRRK2 G2019S-induced mitochondrial depolarization and autophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 12-21.	3.8	53
27	Drp1 phosphorylation by MAPK1 causes mitochondrial dysfunction in cell culture model of Huntington's disease. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 706-711.	2.1	52
28	Inhibition of Drp1 hyper-activation is protective in animal models of experimental multiple sclerosis. <i>Experimental Neurology</i> , 2017, 292, 21-34.	4.1	50
29	Potential biomarkers to follow the progression and treatment response of Huntington's disease. <i>Journal of Experimental Medicine</i> , 2016, 213, 2655-2669.	8.5	45
30	NG2 glia-derived GABA release tunes inhibitory synapses and contributes to stress-induced anxiety. <i>Nature Communications</i> , 2021, 12, 5740.	12.8	43
31	Dopaminergic neuron-specific deletion of p53 gene is neuroprotective in an experimental Parkinson's disease model. <i>Journal of Neurochemistry</i> , 2016, 138, 746-757.	3.9	38
32	VCP cooperates with UBXD1 to degrade mitochondrial outer membrane protein MCL1 in model of Huntington's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 552-559.	3.8	32
33	NMR identification of a conserved Drp1 cardiolipin-binding motif essential for stress-induced mitochondrial fission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	31
34	Forebrain neuronal specific ablation of p53 gene provides protection in a cortical ischemic stroke model. <i>Neuroscience</i> , 2015, 295, 1-10.	2.3	28
35	Posterior Osteotomy and Instrumentation for Thoracolumbar Kyphosis in Patients With Achondroplasia. <i>Spine</i> , 2006, 31, E606-E610.	2.0	27
36	Steric interference from intrinsically disordered regions controls dynamin-related protein 1 self-assembly during mitochondrial fission. <i>Scientific Reports</i> , 2018, 8, 10879.	3.3	27

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37	Mutant huntingtin inhibits the mitochondrial unfolded protein response by impairing ABCB10 mRNA stability. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1428-1435.	3.8	25
38	Stress Granule Dysregulation in Amyotrophic Lateral Sclerosis. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 598517.	3.7	24
39	Cisplatin-Mediated Upregulation of APE2 Binding to MYH9 Provokes Mitochondrial Fragmentation and Acute Kidney Injury. <i>Cancer Research</i> , 2021, 81, 713-723.	0.9	24
40	ATAD3A oligomerization promotes neuropathology and cognitive deficits in Alzheimer's disease models. <i>Nature Communications</i> , 2022, 13, 1121.	12.8	24
41	Induction of murine HRD1 in experimental cerebral ischemia. <i>Molecular Brain Research</i> , 2004, 130, 30-38.	2.3	22
42	Inhibition of Drp1 hyperactivation reduces neuropathology and behavioral deficits in zQ175 knock-in mouse model of Huntington's disease. <i>Biochemical and Biophysical Research Communications</i> , 2018, 507, 319-323.	2.1	22
43	Using induced pluripotent stem cell neuronal models to study neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165431.	3.8	22
44	Small-molecule suppression of calpastatin degradation reduces neuropathology in models of Huntington's disease. <i>Nature Communications</i> , 2021, 12, 5305.	12.8	21
45	Adaptive translational pausing is a hallmark of the cellular response to severe environmental stress. <i>Molecular Cell</i> , 2021, 81, 4191-4208.e8.	9.7	18
46	Mitochondrial Quality Control Strategies: Potential Therapeutic Targets for Neurodegenerative Diseases?. <i>Frontiers in Neuroscience</i> , 2021, 15, 746873.	2.8	17
47	Gut-microbiota-microglia-brain interactions in Alzheimer's disease: knowledge-based, multi-dimensional characterization. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 177.	6.2	15
48	Role of the SNK-SPAR pathway in the development of Alzheimer's disease. <i>IUBMB Life</i> , 2010, 62, 214-221.	3.4	12
49	UPRmt activation protects against MPP+-induced toxicity in a cell culture model of Parkinson's disease. <i>Biochemical and Biophysical Research Communications</i> , 2021, 569, 17-22.	2.1	10
50	The effect of Chinese Jinzhida recipe on the hippocampus in a rat model of diabetes-associated cognitive decline. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 161.	3.7	9
51	Implications of mRNA translation dysregulation for neurological disorders. <i>Seminars in Cell and Developmental Biology</i> , 2021, 114, 11-19.	5.0	9
52	Decreased expression of spine-associated Rap guanosine triphosphatase-activating protein (SPAR) in glutamate-treated primary hippocampal neurons. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 1042-1046.	1.5	8
53	Altered Mitochondrial Protein Homeostasis and Proteinopathies. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 867935.	2.9	8
54	Potential long-term effect of tumor necrosis factor inhibitors on dementia risk: A propensity score matched retrospective cohort study in US veterans. <i>Alzheimer's and Dementia</i> , 2022, 18, 1248-1259.	0.8	7

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55	The challenge in translating basic research discoveries to treatment of Huntington disease. <i>Rare Diseases (Austin, Tex)</i> , 2014, 2, e28637.	1.8	6
56	Impairment of mitochondrial dynamics: a target for the treatment of neurological disorders?. <i>Future Neurology</i> , 2013, 8, 333-346.	0.5	3
57	eIF2 β links mitochondrial dysfunction to dendritic degeneration. <i>Journal of Cell Biology</i> , 2017, 216, 555-557.	5.2	2
58	Measuring Drp1 Activity in Mitochondrial Fission In Vivo. <i>Methods in Molecular Biology</i> , 2020, 2159, 189-195.	0.9	2
59	Quantifying Drp1-Mediated Mitochondrial Fission by Immunostaining in Fixed Cells. <i>Methods in Molecular Biology</i> , 2020, 2159, 197-204.	0.9	2
60	Preparation and evaluation of laboratory quality control materials for the detection of IgG anti-A/B. <i>Laboratoriums Medizin</i> , 2016, 40, .	0.6	0
61	Structural and Mechanistic Bases of Drp1-Cardiolipin Interactions in Mitochondrial Fission. <i>Biophysical Journal</i> , 2019, 116, 454a-455a.	0.5	0
62	Role of Mitochondrial Fission-Fusion Dynamics in Progressive Neurodegeneration and Memory Deficit After Traumatic Brain Injury. <i>Biological Psychiatry</i> , 2021, 89, S119-S120.	1.3	0