

Xinglong 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.

80
papers

11,052
citations

43
h-index

83
g-index

83
ext. papers

12,435
ext. citations

7.5
avg, IF

5.88
L-index

#	Paper	IF	Citations
80	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.	14.2	2783
79	Impaired balance of mitochondrial fission and fusion in Alzheimer's disease. <i>Journal of Neuroscience</i> , 2009 , 29, 9090-103	6.6	816
78	Oxidative stress and mitochondrial dysfunction in Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 1240-7	6.9	690
77	Amyloid-beta overproduction causes abnormal mitochondrial dynamics via differential modulation of mitochondrial fission/fusion proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 19318-23	11.5	613
76	Mitochondrial defects and oxidative stress in Alzheimer disease and Parkinson disease. <i>Free Radical Biology and Medicine</i> , 2013 , 62, 90-101	7.8	435
75	Oxidative stress in Alzheimer disease: a possibility for prevention. <i>Neuropharmacology</i> , 2010 , 59, 290-4	5.5	366
74	Impaired mitochondrial biogenesis contributes to mitochondrial dysfunction in Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2012 , 120, 419-29	6	318
73	LRRK2 regulates mitochondrial dynamics and function through direct interaction with DLP1. <i>Human Molecular Genetics</i> , 2012 , 21, 1931-44	5.6	306
72	Increased iron and free radical generation in preclinical Alzheimer disease and mild cognitive impairment. <i>Journal of Alzheimerts Disease</i> , 2010 , 19, 363-72	4.3	288
71	Dynamin-like protein 1 reduction underlies mitochondrial morphology and distribution abnormalities in fibroblasts from sporadic Alzheimer's disease patients. <i>American Journal of Pathology</i> , 2008 , 173, 470-82	5.8	263
70	Parkinson's disease-associated mutant VPS35 causes mitochondrial dysfunction by recycling DLP1 complexes. <i>Nature Medicine</i> , 2016 , 22, 54-63	50.5	210
69	Mitochondria: a therapeutic target in neurodegeneration. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010 , 1802, 212-20	6.9	209
68	The role of abnormal mitochondrial dynamics in the pathogenesis of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2009 , 109 Suppl 1, 153-9	6	206
67	The inhibition of TDP-43 mitochondrial localization blocks its neuronal toxicity. <i>Nature Medicine</i> , 2016 , 22, 869-78	50.5	197
66	Abnormal mitochondrial dynamics and neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010 , 1802, 135-42	6.9	194
65	The ALS disease-associated mutant TDP-43 impairs mitochondrial dynamics and function in motor neurons. <i>Human Molecular Genetics</i> , 2013 , 22, 4706-19	5.6	176
64	Parkinson's disease-associated DJ-1 mutations impair mitochondrial dynamics and cause mitochondrial dysfunction. <i>Journal of Neurochemistry</i> , 2012 , 121, 830-9	6	152

63	The Roc domain of leucine-rich repeat kinase 2 is sufficient for interaction with microtubules. <i>Journal of Neuroscience Research</i> , 2008 , 86, 1711-20	4.4	144
62	Abnormal mitochondrial dynamics in the pathogenesis of Alzheimer's disease. <i>Journal of Alzheimerts Disease</i> , 2013 , 33 Suppl 1, S253-62	4.3	132
61	Increased autophagic degradation of mitochondria in Alzheimer disease. <i>Autophagy</i> , 2007 , 3, 614-5	10.2	128
60	Abnormalities of Mitochondrial Dynamics in Neurodegenerative Diseases. <i>Antioxidants</i> , 2017 , 6,	7.1	121
59	A synergistic dysfunction of mitochondrial fission/fusion dynamics and mitophagy in Alzheimer's disease. <i>Journal of Alzheimerts Disease</i> , 2010 , 20 Suppl 2, S401-12	4.3	121
58	Autophagocytosis of mitochondria is prominent in Alzheimer disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007 , 66, 525-32	3.1	121
57	Chronic oxidative stress causes increased tau phosphorylation in M17 neuroblastoma cells. <i>Neuroscience Letters</i> , 2010 , 468, 267-71	3.3	107
56	Cellular prion protein is essential for oligomeric amyloid- β -induced neuronal cell death. <i>Human Molecular Genetics</i> , 2012 , 21, 1138-44	5.6	98
55	DLP1-dependent mitochondrial fragmentation mediates 1-methyl-4-phenylpyridinium toxicity in neurons: implications for Parkinson's disease. <i>Aging Cell</i> , 2011 , 10, 807-23	9.9	95
54	Amyloid-beta-derived diffusible ligands cause impaired axonal transport of mitochondria in neurons. <i>Neurodegenerative Diseases</i> , 2010 , 7, 56-9	2.3	91
53	Pathomechanisms of TDP-43 in neurodegeneration. <i>Journal of Neurochemistry</i> , 2018 , 146, 7	6	85
52	Insights into amyloid-beta-induced mitochondrial dysfunction in Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 1569-73	7.8	82
51	Neuronal failure in Alzheimer's disease: a view through the oxidative stress looking-glass. <i>Neuroscience Bulletin</i> , 2014 , 30, 243-52	4.3	78
50	Alzheimer's disease: diverse aspects of mitochondrial malfunctioning. <i>International Journal of Clinical and Experimental Pathology</i> , 2010 , 3, 570-81	1.4	71
49	Mitochondrial dynamics in Alzheimer's disease: opportunities for future treatment strategies. <i>Drugs and Aging</i> , 2010 , 27, 181-92	4.7	70
48	MFN2 couples glutamate excitotoxicity and mitochondrial dysfunction in motor neurons. <i>Journal of Biological Chemistry</i> , 2015 , 290, 168-82	5.4	68
47	eIF2alpha phosphorylation tips the balance to apoptosis during osmotic stress. <i>Journal of Biological Chemistry</i> , 2010 , 285, 17098-111	5.4	68
46	c-Jun phosphorylation in Alzheimer disease. <i>Journal of Neuroscience Research</i> , 2007 , 85, 1668-73	4.4	68

45	Amyloid-beta42 interacts mainly with insoluble prion protein in the Alzheimer brain. <i>Journal of Biological Chemistry</i> , 2011 , 286, 15095-105	5.4	67
44	Abnormal mitochondrial dynamics--a novel therapeutic target for Alzheimer's disease?. <i>Molecular Neurobiology</i> , 2010 , 41, 87-96	6.2	65
43	Activation of the extracellular signal-regulated kinase pathway contributes to the behavioral deficit of fragile x-syndrome. <i>Journal of Neurochemistry</i> , 2012 , 121, 672-9	6	62
42	Physiological regulation of tau phosphorylation during hibernation. <i>Journal of Neurochemistry</i> , 2008 , 105, 2098-108	6	62
41	Posttranslational modifications of β -tubulin in Alzheimer disease. <i>Translational Neurodegeneration</i> , 2015 , 4, 9	10.3	60
40	Bivalent ligand containing curcumin and cholesterol as fluorescence probe for A β plaques in Alzheimer's disease. <i>ACS Chemical Neuroscience</i> , 2012 , 3, 141-146	5.7	56
39	Early induction of oxidative stress in mouse model of Alzheimer disease with reduced mitochondrial superoxide dismutase activity. <i>PLoS ONE</i> , 2012 , 7, e28033	3.7	47
38	Miro1 deficiency in amyotrophic lateral sclerosis. <i>Frontiers in Aging Neuroscience</i> , 2015 , 7, 100	5.3	44
37	Motor-Coordination and Cognitive Dysfunction Caused by Mutant TDP-43 Could Be Reversed by Inhibiting Its Mitochondrial Localization. <i>Molecular Therapy</i> , 2017 , 25, 127-139	11.7	43
36	Transactive response DNA-binding protein 43 (TDP-43) regulates alternative splicing of tau exon 10: Implications for the pathogenesis of tauopathies. <i>Journal of Biological Chemistry</i> , 2017 , 292, 10600-10612	5.4	40
35	Deletion of Nampt in Projection Neurons of Adult Mice Leads to Motor Dysfunction, Neurodegeneration, and Death. <i>Cell Reports</i> , 2017 , 20, 2184-2200	10.6	37
34	A novel origin for granulovacuolar degeneration in aging and Alzheimer's disease: parallels to stress granules. <i>Laboratory Investigation</i> , 2011 , 91, 1777-86	5.9	37
33	Mitochondrial dynamic abnormalities in amyotrophic lateral sclerosis. <i>Translational Neurodegeneration</i> , 2015 , 4, 14	10.3	35
32	Mutant presenilin 1 increases the expression and activity of BACE1. <i>Journal of Biological Chemistry</i> , 2009 , 284, 9027-38	5.4	33
31	TDP-43 suppresses tau expression via promoting its mRNA instability. <i>Nucleic Acids Research</i> , 2017 , 45, 6177-6193	20.1	32
30	TDP-43 proteinopathy and mitochondrial abnormalities in neurodegeneration. <i>Molecular and Cellular Neurosciences</i> , 2019 , 100, 103396	4.8	31
29	Neuronal Mitochondria Modulation of LPS-Induced Neuroinflammation. <i>Journal of Neuroscience</i> , 2020 , 40, 1756-1765	6.6	29
28	Estrogen receptor- β s localized to neurofibrillary tangles in Alzheimer's disease. <i>Scientific Reports</i> , 2016 , 6, 20352	4.9	29

27	Ectopic localization of FOXO3a protein in Lewy bodies in Lewy body dementia and Parkinson's disease. <i>Molecular Neurodegeneration</i> , 2009 , 4, 32	19	27
26	The mitochondrial dynamics of Alzheimer's disease and Parkinson's disease offer important opportunities for therapeutic intervention. <i>Current Pharmaceutical Design</i> , 2011 , 17, 3374-80	3.3	26
25	Mitofusin 2 Regulates Axonal Transport of Calpastatin to Prevent Neuromuscular Synaptic Elimination in Skeletal Muscles. <i>Cell Metabolism</i> , 2018 , 28, 400-414.e8	24.6	25
24	The neuroprotective effect of human uncoupling protein 2 (hUCP2) requires cAMP-dependent protein kinase in a toxin model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2014 , 69, 180-91	7.5	22
23	Luteinizing hormone downregulation but not estrogen replacement improves ovariectomy-associated cognition and spine density loss independently of treatment onset timing. <i>Hormones and Behavior</i> , 2016 , 78, 60-6	3.7	21
22	Frontiers in Alzheimer's disease therapeutics. <i>Therapeutic Advances in Chronic Disease</i> , 2011 , 2, 9-23	4.9	20
21	Ionizing radiation causes increased tau phosphorylation in primary neurons. <i>Journal of Neurochemistry</i> , 2014 , 131, 86-93	6	13
20	Mitochondrial Drugs for Alzheimer Disease. <i>Pharmaceuticals</i> , 2009 , 2, 287-298	5.2	12
19	TDP-43 inhibitory peptide alleviates neurodegeneration and memory loss in an APP transgenic mouse model for Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165580	6.9	12
18	Mislocalization of CDK11/PITSLRE, a regulator of the G2/M phase of the cell cycle, in Alzheimer disease. <i>Cellular and Molecular Biology Letters</i> , 2011 , 16, 359-72	8.1	11
17	Rab10 Phosphorylation is a Prominent Pathological Feature in Alzheimer's Disease. <i>Journal of Alzheimerts Disease</i> , 2018 , 63, 157-165	4.3	10
16	Molecular neuropathogenesis of Alzheimer's disease: an interaction model stressing the central role of oxidative stress. <i>Future Neurology</i> , 2012 , 7, 287-305	1.5	10
15	Association between TDP-43 and mitochondria in inclusion body myositis. <i>Laboratory Investigation</i> , 2019 , 99, 1041-1048	5.9	8
14	FAM222A encodes a protein which accumulates in plaques in Alzheimer's disease. <i>Nature Communications</i> , 2020 , 11, 411	17.4	8
13	Overexpression of ferroptosis defense enzyme Gpx4 retards motor neuron disease of SOD1G93A mice. <i>Scientific Reports</i> , 2021 , 11, 12890	4.9	8
12	Cytoplasmic mislocalization and mitochondrial colocalization of TDP-43 are common features between normal aged and young mice. <i>Experimental Biology and Medicine</i> , 2020 , 245, 1584-1593	3.7	7
11	TMEM230 Accumulation in Granulovacuolar Degeneration Bodies and Dystrophic Neurites of Alzheimer's Disease. <i>Journal of Alzheimerts Disease</i> , 2017 , 58, 1027-1033	4.3	7
10	Exosomes derived from differentiated human ADMSC with the Schwann cell phenotype modulate peripheral nerve-related cellular functions.. <i>Bioactive Materials</i> , 2022 , 14, 61-75	16.7	5

9	Inhibition of Calpain Protects Against Tauopathy in Transgenic P301S Tau Mice. <i>Journal of Alzheimers Disease</i> , 2019 , 69, 1077-1087	4.3	4
8	Oxidative Stress and Neurodegeneration: An Inevitable Consequence of Aging? Implications for Therapy 2010 , 305-323		4
7	Translational regulation in the brain by TDP-43 phase separation. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	4
6	CD4+ effector T cells accelerate Alzheimer's disease in mice. <i>Journal of Neuroinflammation</i> , 2021 , 18, 272	10.1	3
5	Humanized Mice for Infectious and Neurodegenerative disorders. <i>Retrovirology</i> , 2021 , 18, 13	3.6	3
4	Mitochondrial Fusion Suppresses Tau Pathology-Induced Neurodegeneration and Cognitive Decline. <i>Journal of Alzheimers Disease</i> , 2021 , 84, 1057-1069	4.3	1
3	Oxidative Damage is Correlated with Mitochondrial Autophagy. <i>FASEB Journal</i> , 2015 , 29, 613.1	0.9	
2	Mitochondria Dynamics Abnormalities in Alzheimer Disease. <i>FASEB Journal</i> , 2009 , 23, 356.1	0.9	
1	R-_-Lipoic Acid as a Potent Agent of Mitochondrial Protection in Alzheimer's Disease. <i>Oxidative Stress and Disease</i> , 2012 , 455-467		