

# Xinglong Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

13,787  
citations

44069

48  
h-index

64796

79  
g-index

83  
all docs

83  
docs citations

83  
times ranked

21433  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	Impaired Balance of Mitochondrial Fission and Fusion in Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2009, 29, 9090-9103.	3.6	1,003
3	Oxidative stress and mitochondrial dysfunction in Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1240-1247.	3.8	982
4	Amyloid- $\beta^2$ 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, 19318-19323.	7.1	734
5	Mitochondrial defects and oxidative stress in Alzheimer disease and Parkinson disease. <i>Free Radical Biology and Medicine</i> , 2013, 62, 90-101.	2.9	565
6	Oxidative stress in Alzheimer disease: A possibility for prevention. <i>Neuropharmacology</i> , 2010, 59, 290-294.	4.1	431
7	Impaired mitochondrial biogenesis contributes to mitochondrial dysfunction in Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2012, 120, 419-429.	3.9	422
8	Increased Iron and Free Radical Generation in Preclinical Alzheimer Disease and Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 363-372.	2.6	357
9	LRRK2 regulates mitochondrial dynamics and function through direct interaction with DLP1. <i>Human Molecular Genetics</i> , 2012, 21, 1931-1944.	2.9	356
10	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, 470-482.	3.8	308
11	The inhibition of TDP-43 mitochondrial localization blocks its neuronal toxicity. <i>Nature Medicine</i> , 2016, 22, 869-878.	30.7	299
12	Parkinson's disease-associated mutant VPS35 causes mitochondrial dysfunction by recycling DLP1 complexes. <i>Nature Medicine</i> , 2016, 22, 54-63.	30.7	265
13	The ALS disease-associated mutant TDP-43 impairs mitochondrial dynamics and function in motor neurons. <i>Human Molecular Genetics</i> , 2013, 22, 4706-4719.	2.9	251
14	The role of abnormal mitochondrial dynamics in the pathogenesis of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2009, 109, 153-159.	3.9	245
15	Mitochondria: A therapeutic target in neurodegeneration. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 212-220.	3.8	244
16	Abnormal mitochondrial dynamics and neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 135-142.	3.8	229
17	Parkinson's disease-associated DJ-1 mutations impair mitochondrial dynamics and cause mitochondrial dysfunction. <i>Journal of Neurochemistry</i> , 2012, 121, 830-839.	3.9	174
18	Abnormalities of Mitochondrial Dynamics in Neurodegenerative Diseases. <i>Antioxidants</i> , 2017, 6, 25.	5.1	171

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19	Abnormal Mitochondrial Dynamics in the Pathogenesis of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 33, S253-S262.	2.6	166
20	Pathomechanisms of TDP $\alpha$ 43 in neurodegeneration. <i>Journal of Neurochemistry</i> , 2018, 146, 7-20.	3.9	157
21	The Roc domain of leucine $\alpha$ rich repeat kinase 2 is sufficient for interaction with microtubules. <i>Journal of Neuroscience Research</i> , 2008, 86, 1711-1720.	2.9	155
22	Increased Autophagic Degradation of Mitochondria in Alzheimer Disease. <i>Autophagy</i> , 2007, 3, 614-615.	9.1	147
23	A Synergistic Dysfunction of Mitochondrial Fission/Fusion Dynamics and Mitophagy in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 20, S401-S412.	2.6	141
24	Chronic oxidative stress causes increased tau phosphorylation in M17 neuroblastoma cells. <i>Neuroscience Letters</i> , 2010, 468, 267-271.	2.1	141
25	Autophagocytosis of Mitochondria Is Prominent in Alzheimer Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 525-532.	1.7	138
26	Amyloid- $\beta$ -Derived Diffusible Ligands Cause Impaired Axonal Transport of Mitochondria in Neurons. <i>Neurodegenerative Diseases</i> , 2010, 7, 56-59.	1.4	120
27	DLP1 $\alpha$ -dependent mitochondrial fragmentation mediates 1 $\alpha$ -methyl $\alpha$ -phenylpyridinium toxicity in neurons: implications for Parkinson $\alpha$ 's disease. <i>Aging Cell</i> , 2011, 10, 807-823.	6.7	113
28	Cellular prion protein is essential for oligomeric amyloid- $\beta$ -induced neuronal cell death. <i>Human Molecular Genetics</i> , 2012, 21, 1138-1144.	2.9	105
29	Neuronal failure in Alzheimer $\alpha$ 's disease: a view through the oxidative stress looking-glass. <i>Neuroscience Bulletin</i> , 2014, 30, 243-252.	2.9	95
30	Insights into amyloid- $\beta$ -induced mitochondrial dysfunction in Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2007, 43, 1569-1573.	2.9	93
31	MFN2 Couples Glutamate Excitotoxicity and Mitochondrial Dysfunction in Motor Neurons*. <i>Journal of Biological Chemistry</i> , 2015, 290, 168-182.	3.4	90
32	Posttranslational modifications of $\beta$ -tubulin in alzheimer disease. <i>Translational Neurodegeneration</i> , 2015, 4, 9.	8.0	88
33	Mitochondrial Dynamics in Alzheimer's Disease. <i>Drugs and Aging</i> , 2010, 27, 181-192.	2.7	86
34	eIF2 $\beta$ Phosphorylation Tips the Balance to Apoptosis during Osmotic Stress. <i>Journal of Biological Chemistry</i> , 2010, 285, 17098-17111.	3.4	83
35	Physiological regulation of tau phosphorylation during hibernation. <i>Journal of Neurochemistry</i> , 2008, 105, 2098-2108.	3.9	79
36	Activation of the extracellular signal $\alpha$ -regulated kinase pathway contributes to the behavioral deficit of fragile x $\alpha$ 's syndrome. <i>Journal of Neurochemistry</i> , 2012, 121, 672-679.	3.9	78

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37	c-Jun phosphorylation in Alzheimer disease. <i>Journal of Neuroscience Research</i> , 2007, 85, 1668-1673.	2.9	75
38	Abnormal Mitochondrial Dynamics—A Novel Therapeutic Target for Alzheimer's Disease?. <i>Molecular Neurobiology</i> , 2010, 41, 87-96.	4.0	75
39	Amyloid- $\beta$ 42 Interacts Mainly with Insoluble Prion Protein in the Alzheimer Brain. <i>Journal of Biological Chemistry</i> , 2011, 286, 15095-15105.	3.4	75
40	Alzheimer's disease: diverse aspects of mitochondrial malfunctioning. <i>International Journal of Clinical and Experimental Pathology</i> , 2010, 3, 570-81.	0.5	75
41	Bivalent Ligand Containing Curcumin and Cholesterol as a Fluorescence Probe for A $\beta$ Plaques in Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2012, 3, 141-146.	3.5	70
42	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.	3.4	63
43	Deletion of Nampt in Projection Neurons of Adult Mice Leads to Motor Dysfunction, Neurodegeneration, and Death. <i>Cell Reports</i> , 2017, 20, 2184-2200.	6.4	63
44	Neuronal Mitochondria Modulation of LPS-Induced Neuroinflammation. <i>Journal of Neuroscience</i> , 2020, 40, 1756-1765.	3.6	63
45	TDP-43 proteinopathy and mitochondrial abnormalities in neurodegeneration. <i>Molecular and Cellular Neurosciences</i> , 2019, 100, 103396.	2.2	62
46	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.	8.2	58
47	Miro1 deficiency in amyotrophic lateral sclerosis. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 100.	3.4	55
48	Early Induction of Oxidative Stress in Mouse Model of Alzheimer Disease with Reduced Mitochondrial Superoxide Dismutase Activity. <i>PLoS ONE</i> , 2012, 7, e28033.	2.5	54
49	Mitochondrial dynamic abnormalities in amyotrophic lateral sclerosis. <i>Translational Neurodegeneration</i> , 2015, 4, 14.	8.0	51
50	CD4+ effector T cells accelerate Alzheimer's disease in mice. <i>Journal of Neuroinflammation</i> , 2021, 18, 272.	7.2	48
51	Estrogen receptor- $\beta$ is localized to neurofibrillary tangles in Alzheimer's disease. <i>Scientific Reports</i> , 2016, 6, 20352.	3.3	45
52	TDP-43 suppresses tau expression via promoting its mRNA instability. <i>Nucleic Acids Research</i> , 2017, 45, 6177-6193.	14.5	45
53	A novel origin for granulovacuolar degeneration in aging and Alzheimer's disease: parallels to stress granules. <i>Laboratory Investigation</i> , 2011, 91, 1777-1786.	3.7	44
54	Overexpression of ferroptosis defense enzyme Gpx4 retards motor neuron disease of SOD1G93A mice. <i>Scientific Reports</i> , 2021, 11, 12890.	3.3	44

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55	Mutant Presenilin 1 Increases the Expression and Activity of BACE1. <i>Journal of Biological Chemistry</i> , 2009, 284, 9027-9038.	3.4	42
56	Mitofusin 2 Regulates Axonal Transport of Calpastatin to Prevent Neuromuscular Synaptic Elimination in Skeletal Muscles. <i>Cell Metabolism</i> , 2018, 28, 400-414.e8.	16.2	39
57	Ectopic localization of FOXO3a protein in Lewy bodies in Lewy body dementia and Parkinson's disease. <i>Molecular Neurodegeneration</i> , 2009, 4, 32.	10.8	34
58	The Mitochondrial Dynamics of Alzheimers Disease and Parkinsons Disease Offer Important Opportunities for Therapeutic Intervention. <i>Current Pharmaceutical Design</i> , 2011, 17, 3374-3380.	1.9	30
59	Rab10 Phosphorylation is a Prominent Pathological Feature in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 157-165.	2.6	29
60	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, 180-191.	4.4	27
61	Frontiers in Alzheimer's disease therapeutics. <i>Therapeutic Advances in Chronic Disease</i> , 2011, 2, 9-23.	2.5	26
62	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, 60-66.	2.1	26
63	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.	15.6	26
64	Humanized Mice for Infectious and Neurodegenerative disorders. <i>Retrovirology</i> , 2021, 18, 13.	2.0	20
65	Ionizing radiation causes increased tau phosphorylation in primary neurons. <i>Journal of Neurochemistry</i> , 2014, 131, 86-93.	3.9	18
66	Association between TDP-43 and mitochondria in inclusion body myositis. <i>Laboratory Investigation</i> , 2019, 99, 1041-1048.	3.7	18
67	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.	7.0	17
68	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.	3.8	17
69	FAM222A encodes a protein which accumulates in plaques in Alzheimer's disease. <i>Nature Communications</i> , 2020, 11, 411.	12.8	16
70	Europium-Doped Cerium Oxide Nanoparticles for Microglial Amyloid Beta Clearance and Homeostasis. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1232-1244.	3.5	16
71	Mitochondrial Drugs for Alzheimer Disease. <i>Pharmaceuticals</i> , 2009, 2, 287-298.	3.8	15
72	Translational regulation in the brain by TDP-43 phase separation. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	14

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73	Molecular neuropathogenesis of Alzheimer's disease: an interaction model stressing the central role of oxidative stress. <i>Future Neurology</i> , 2012, 7, 287-305.	0.5	13
74	TMEM230 Accumulation in Granulovacuolar Degeneration Bodies and Dystrophic Neurites of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 58, 1027-1033.	2.6	9
75	Inhibition of Calpain Protects Against Tauopathy in Transgenic P301S Tau Mice. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 1077-1087.	2.6	9
76	Functionalized Allopurinols Targeting Amyloid-Binding Alcohol Dehydrogenase Rescue A $\beta$ -Induced Mitochondrial Dysfunction. <i>ACS Chemical Neuroscience</i> , 2022, 13, 2176-2190.	3.5	8
77	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.	2.4	7
78	Mitochondrial Fusion Suppresses Tau Pathology-Induced Neurodegeneration and Cognitive Decline. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 1057-1069.	2.6	6
79	Oxidative Stress and Neurodegeneration: An Inevitable Consequence of Aging? Implications for Therapy. , 2010, , 305-323.		5
80	Mitochondria and Neurodegenerative Diseases. <i>Journal of Alzheimer's Disease</i> , 2010, 20, S253-S253.	2.6	2
81	Mitochondria Dynamics Abnormalities in Alzheimer Disease. <i>FASEB Journal</i> , 2009, 23, 356.1.	0.5	0
82	R-Lipoic Acid as a Potent Agent of Mitochondrial Protection in Alzheimer's Disease. <i>Oxidative Stress and Disease</i> , 2012, , 455-467.	0.3	0
83	Oxidative Damage is Correlated with Mitochondrial Autophagy. <i>FASEB Journal</i> , 2015, 29, 613.1.	0.5	0