

# Xinnan Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

3,547  
citations

394421

19  
h-index

454955

30  
g-index

62  
all docs

62  
docs citations

62  
times ranked

5066  
citing authors

#	ARTICLE	IF	CITATIONS
1	PINK1 and Parkin Target Miro for Phosphorylation and Degradation to Arrest Mitochondrial Motility. <i>Cell</i> , 2011, 147, 893-906.	28.9	997
2	The Mechanism of Ca <sup>2+</sup> -Dependent Regulation of Kinesin-Mediated Mitochondrial Motility. <i>Cell</i> , 2009, 136, 163-174.	28.9	743
3	Functional Impairment in Miro Degradation and Mitophagy Is a Shared Feature in Familial and Sporadic Parkinson's Disease. <i>Cell Stem Cell</i> , 2016, 19, 709-724.	11.1	371
4	Glucose Regulates Mitochondrial Motility via Milton Modification by O-GlcNAc Transferase. <i>Cell</i> , 2014, 158, 54-68.	28.9	223
5	<i>Drosophila</i> spichthyn inhibits BMP signaling and regulates synaptic growth and axonal microtubules. <i>Nature Neuroscience</i> , 2007, 10, 177-185.	14.8	168
6	Axonal transport and the delivery of pre-synaptic components. <i>Current Opinion in Neurobiology</i> , 2008, 18, 495-503.	4.2	146
7	The hereditary spastic paraplegia proteins NIPA1, spastin and spartin are inhibitors of mammalian BMP signalling. <i>Human Molecular Genetics</i> , 2009, 18, 3805-3821.	2.9	132
8	Alpha-synuclein delays mitophagy and targeting Miro rescues neuron loss in Parkinson's models. <i>Acta Neuropathologica</i> , 2018, 136, 607-620.	7.7	111
9	Miro1 Marks Parkinson's Disease Subset and Miro1 Reducer Rescues Neuron Loss in Parkinson's Models. <i>Cell Metabolism</i> , 2019, 30, 1131-1140.e7.	16.2	96
10	PINK1 Phosphorylates MIC60/Mitofilin to Control Structural Plasticity of Mitochondrial Crista Junctions. <i>Molecular Cell</i> , 2018, 69, 744-756.e6.	9.7	88
11	Chapter 18 Imaging Axonal Transport of Mitochondria. <i>Methods in Enzymology</i> , 2009, 457, 319-333.	1.0	57
12	The meaning of mitochondrial movement to a neuron's life. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 184-194.	4.1	55
13	Metaxins are core components of mitochondrial transport adaptor complexes. <i>Nature Communications</i> , 2021, 12, 83.	12.8	48
14	PINK1-mediated Phosphorylation of Miro Inhibits Synaptic Growth and Protects Dopaminergic Neurons in <i>Drosophila</i> . <i>Scientific Reports</i> , 2014, 4, 6962.	3.3	40
15	Mitochondrial heterogeneity and homeostasis through the lens of a neuron. <i>Nature Metabolism</i> , 2022, 4, 802-812.	11.9	40
16	Transporting mitochondria in neurons. <i>F1000Research</i> , 2016, 5, 1735.	1.6	35
17	<i>Drosophila</i> MIC60/mitofilin conducts dual roles in mitochondrial motility and crista structure. <i>Molecular Biology of the Cell</i> , 2017, 28, 3471-3479.	2.1	29
18	Surveillance and transportation of mitochondria in neurons. <i>Current Opinion in Neurobiology</i> , 2019, 57, 87-93.	4.2	29

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19	New Approaches for Studying Synaptic Development, Function, and Plasticity Using <i>Drosophila</i> as a Model System. <i>Journal of Neuroscience</i> , 2013, 33, 17560-17568.	3.6	28
20	A mitochondrial membrane-bridging machinery mediates signal transduction of intramitochondrial oxidation. <i>Nature Metabolism</i> , 2021, 3, 1242-1258.	11.9	28
21	Destructive cellular paths underlying familial and sporadic Parkinson disease converge on mitophagy. <i>Autophagy</i> , 2017, 13, 1998-1999.	9.1	16
22	Elevated Energy Production in Chronic Fatigue Syndrome Patients. <i>Journal of Nature and Science</i> , 2016, 2, .	1.1	15
23	Phosphorylation of MCAD selectively rescues <i>PINK1</i> deficiencies in behavior and metabolism. <i>Molecular Biology of the Cell</i> , 2018, 29, 1219-1227.	2.1	12
24	Precision Neurology for Parkinson's Disease: Coupling <i>Miro1</i> -Based Diagnosis With Drug Discovery. <i>Movement Disorders</i> , 2020, 35, 1502-1508.	3.9	9
25	<i>Miro1</i> Impairment in a Parkinson's At-Risk Cohort. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 734273.	2.9	9
26	<i>Drosophila</i> VCP/p97 Mediates Dynein-Dependent Retrograde Mitochondrial Motility in Axons. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 256.	3.7	8
27	Live Imaging Mitochondrial Transport in Neurons. <i>Neuromethods</i> , 2017, 123, 49-66.	0.3	7
28	<i>Drosophila</i> PTPMT1 Has a Function in Tracheal Air Filling. <i>IScience</i> , 2020, 23, 101285.	4.1	3
29	Hereditary spastic paraplegia genes in <i>Drosophila</i> : dissecting their roles in axonal degeneration and intracellular traffic. <i>SEB Experimental Biology Series</i> , 2008, 60, 161-82.	0.1	2
30	Mitochondrial Defects in Fibroblasts of Pathogenic MAPT Patients. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 765408.	3.7	1