Qian Cai

List of Publications by Year
in descending order

39 papers	11,746 citations	159585 30 h-index	302126 39 g-index
50 all docs	50 docs citations	50 times ranked	23599 citing authors

#	Article	IF	Citations
1	Broad activation of the Parkin pathway induces synaptic mitochondrial deficits in early tauopathy. Brain, 2022, 145, 305-323.	7.6	16
2	Regulation of neuronal autophagy and the implications in neurodegenerative diseases. Neurobiology of Disease, 2022, 162, 105582.	4.4	23
3	Broad activation of the PRKN pathway triggers synaptic failure by disrupting synaptic mitochondrial supply in early tauopathy. Autophagy, 2022, 18, 1472-1474.	9.1	4
4	The role of mitophagy in the regulation of mitochondrial energetic status in neurons. Autophagy, 2021, 17, 4182-4201.	9.1	61
5	Understanding amphisomes. Biochemical Journal, 2021, 478, 1959-1976.	3.7	57
6	Mitophagy in Alzheimerâ€™s Disease and Other Age-Related Neurodegenerative Diseases. Cells, 2020, 9, 150.	4.1	151
7	Mitophagy coordination with retrograde transport ensures the integrity of synaptic mitochondria. Autophagy, 2020, 16, 1925-1927.	9.1	20
8	Mitophagy regulates integrity of mitochondria at synapses and is critical for synaptic maintenance. EMBO Reports, 2020, 21, e49801.	4.5	59
9	Introduction to the special issue on membrane trafficking in neurons. Developmental Neurobiology, 2018, 78, 167-169.	3.0	2
10	The Endolysosomal System and Proteostasis: From Development to Degeneration. Journal of Neuroscience, 2018, 38, 9364-9374.	3.6	94
11	Regulation of Synaptic Amyloid-Î² Generation through BACE1 Retrograde Transport in a Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2017, 37, 2639-2655.	3.6	58
12	Defective retrograde transport impairs autophagic clearance in Alzheimer disease neurons. Autophagy, 2017, 13, 982-984.	9.1	50
13	Releasing Syntaphilin Removes Stressed Mitochondria from Axons Independent of Mitophagy under Pathophysiological Conditions. Neuron, 2017, 94, 595-610.e6.	8.1	136
14	Mitochondrial Aspects of Synaptic Dysfunction in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 57, 1087-1103.	2.6	176
15	Autophagy-mediated Regulation of BACE1 Protein Trafficking and Degradation. Journal of Biological Chemistry, 2017, 292, 1679-1690.	3.4	54
16	SNX-1 and RME-8 oppose the assembly of HGRS-1/ESCRT-0 degradative microdomains on endosomes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E307-E316.	7.1	67
17	Impaired axonal retrograde trafficking of the retromer complex augments lysosomal deficits in Alzheimerâ€™s disease neurons. Human Molecular Genetics, 2017, 26, 4352-4366.	2.9	46
18	Removing dysfunctional mitochondria from axons independent of mitophagy under pathophysiological conditions. Autophagy, 2017, 13, 1792-1794.	9.1	25

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19	Impaired retrograde transport of axonal autophagosomes contributes to autophagic stress in Alzheimerâ€™s disease neurons. ELife, 2017, 6, .	6.0	114
20	Alterations in Mitochondrial Quality Control in Alzheimerâ€™s Disease. Frontiers in Cellular Neuroscience, 2016, 10, 24.	3.7	153
21	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
22	Parkin-mediated mitophagy in mutant hAPP neurons and Alzheimer's disease patient brains. Human Molecular Genetics, 2015, 24, 2938-2951.	2.9	214
23	Axonal autophagosomes use the ride-on service for retrograde transport toward the soma. Autophagy, 2015, 11, 1434-1436.	9.1	32
24	Axonal autophagosomes recruit dynein for retrograde transport through fusion with late endosomes. Journal of Cell Biology, 2015, 209, 377-386.	5.2	202
25	Snapin-Mediated BACE1 Retrograde Transport Is Essential for Its Degradation in Lysosomes and Regulation of APP Processing in Neurons. Cell Reports, 2014, 6, 24-31.	6.4	51
26	Long time-lapse imaging reveals unique features of PARK2/Parkin-mediated mitophagy in mature cortical neurons. Autophagy, 2012, 8, 976-978.	9.1	20
27	Snapin Recruits Dynein to BDNF-TrkB Signaling Endosomes for Retrograde Axonal Transport and Is Essential for Dendrite Growth of Cortical Neurons. Cell Reports, 2012, 2, 42-51.	6.4	121
28	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
29	Mitochondrial transport in neurons: impact on synaptic homeostasis and neurodegeneration. Nature Reviews Neuroscience, 2012, 13, 77-93.	10.2	678
30	Spatial Parkin Translocation and Degradation of Damaged Mitochondria via Mitophagy in Live Cortical Neurons. Current Biology, 2012, 22, 545-552.	3.9	279
31	Uncovering the role of Snapin in regulating autophagy-lysosomal function. Autophagy, 2011, 7, 445-447.	9.1	24
32	Snapin-Regulated Late Endosomal Transport Is Critical for Efficient Autophagy-Lysosomal Function in Neurons. Neuron, 2010, 68, 73-86.	8.1	196
33	Molecular Motors and Synaptic Assembly. Neuroscientist, 2009, 15, 78-89.	3.5	32
34	Mitochondrial transport and docking in axons. Experimental Neurology, 2009, 218, 257-267.	4.1	87
35	Syntabulinâ€"Kinesin-1 Family Member 5B-Mediated Axonal Transport Contributes to Activity-Dependent Presynaptic Assembly. Journal of Neuroscience, 2007, 27, 7284-7296.	3.6	132
36	Syntabulin-mediated anterograde transport of mitochondria along neuronal processes. Journal of Cell Biology, 2005, 170, 959-969.	5.2	191

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37	The Role of Snapin in Neurosecretion: Snapin Knock-Out Mice Exhibit Impaired Calcium-Dependent Exocytosis of Large Dense-Core Vesicles in Chromaffin Cells. Journal of Neuroscience, 2005, 25, 10546-10555.	3.6	87
38	SNAP-29-mediated Modulation of Synaptic Transmission in CulturedHippocampalNeurons. Journal of Biological Chemistry, 2005, 280, 25769-25779.	3.4	78
39	Syntabulin is a microtubule-associated protein implicated in syntaxin transport in neurons. Nature Cell Biology, 2004, 6, 941-953.	10.3	133