

Shinsuke Niwa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6399729/publications.pdf>

Version: 2024-02-01

28
papers

3,726
citations

516710

16
h-index

501196

28
g-index

37
all docs

37
docs citations

37
times ranked

5254
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyzing the Impact of Gene Mutations on Axonal Transport in <i>Caenorhabditis Elegans</i> . <i>Methods in Molecular Biology</i> , 2022, 2431, 465-479.	0.9	6
2	An <i>ALS</i> -associated <i>KIF5A</i> mutant forms oligomers and aggregates and induces neuronal toxicity. <i>Genes To Cells</i> , 2022, 27, 421-435.	1.2	22
3	Synergistic autoinhibition and activation mechanisms control kinesin-1 motor activity. <i>Cell Reports</i> , 2022, 39, 110900.	6.4	32
4	Neural and behavioral control in <i>Caenorhabditis elegans</i> by a yellow-light-activatable caged compound. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	2
5	A highly conserved 3 ¹⁰ helix within the kinesin motor domain is critical for kinesin function and human health. <i>Science Advances</i> , 2021, 7, .	10.3	31
6	Effects of dynein inhibitor on the number of motor proteins transporting synaptic cargos. <i>Biophysical Journal</i> , 2021, 120, 1605-1614.	0.5	5
7	Japan-US symposium on cytoskeletal motor proteins and their associated proteins. <i>Biophysics and Physicobiology</i> , 2021, 18, 241-243.	1.0	2
8	A Combinatorial MAP Code Dictates Polarized Microtubule Transport. <i>Developmental Cell</i> , 2020, 53, 60-72.e4.	7.0	106
9	Vital roles of PCNA K165 modification during <i>C. elegans</i> gametogenesis and embryogenesis. <i>DNA Repair</i> , 2019, 82, 102688.	2.8	3
10	Disease-associated mutations hyperactivate KIF1A motility and anterograde axonal transport of synaptic vesicle precursors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18429-18434.	7.1	89
11	Going Too Far Is the Same as Falling Short: Kinesin-3 Family Members in Hereditary Spastic Paraplegia. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 419.	3.7	52
12	Physical parameters describing neuronal cargo transport by kinesin UNC-104. <i>Biophysical Reviews</i> , 2019, 11, 471-482.	3.2	8
13	Non-invasive force measurement reveals the number of active kinesins on a synaptic vesicle precursor in axonal transport regulated by ARL-8. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3403-3410.	2.8	25
14	KIF1B ^{Δ2} mutations detected in hereditary neuropathy impair IGF1R transport and axon growth. <i>Journal of Cell Biology</i> , 2018, 217, 3480-3496.	5.2	23
15	Streptothricin acetyl transferase 2 (<i>Sat2</i>): A dominant selection marker for <i>Caenorhabditis elegans</i> genome editing. <i>PLoS ONE</i> , 2018, 13, e0197128.	2.5	18
16	Structural basis for CRMP2-induced axonal microtubule formation. <i>Scientific Reports</i> , 2017, 7, 10681.	3.3	50
17	BORC Regulates the Axonal Transport of Synaptic Vesicle Precursors by Activating ARL-8. <i>Current Biology</i> , 2017, 27, 2569-2578.e4.	3.9	72
18	Immobilization of <i>Caenorhabditis elegans</i> to Analyze Intracellular Transport in Neurons. <i>Journal of Visualized Experiments</i> , 2017, .	0.3	8

#	ARTICLE	IF	CITATIONS
19	Autoinhibition of a Neuronal Kinesin UNC-104/KIF1A Regulates the Size and Density of Synapses. <i>Cell Reports</i> , 2016, 16, 2129-2141.	6.4	105
20	The nephronophthisis-related gene <i>ift-139</i> is required for ciliogenesis in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2016, 6, 31544.	3.3	18
21	The Molecular Motor KIF1A Transports the TrkA Neurotrophin Receptor and Is Essential for Sensory Neuron Survival and Function. <i>Neuron</i> , 2016, 90, 1215-1229.	8.1	67
22	Characterizing KIF16B in Neurons Reveals a Novel Intramolecular "Stalk Inhibition" Mechanism That Regulates Its Capacity to Potentiate the Selective Somatodendritic Localization of Early Endosomes. <i>Journal of Neuroscience</i> , 2015, 35, 5067-5086.	3.6	30
23	β -Tubulin mutations that cause severe neuropathies disrupt axonal transport. <i>EMBO Journal</i> , 2013, 32, 1352-1364.	7.8	85
24	KIF19A Is a Microtubule-Depolymerizing Kinesin for Ciliary Length Control. <i>Developmental Cell</i> , 2012, 23, 1167-1175.	7.0	128
25	Preferential binding of a kinesin-1 motor to GTP-tubulin-rich microtubules underlies polarized vesicle transport. <i>Journal of Cell Biology</i> , 2011, 194, 245-255.	5.2	137
26	Molecular Motors in Neurons: Transport Mechanisms and Roles in Brain Function, Development, and Disease. <i>Neuron</i> , 2010, 68, 610-638.	8.1	940
27	Kinesin superfamily motor proteins and intracellular transport. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 682-696.	37.0	1,457
28	KIF1B ^{Δ2} - and KIF1A-mediated axonal transport of presynaptic regulator Rab3 occurs in a GTP-dependent manner through DENN/MADD. <i>Nature Cell Biology</i> , 2008, 10, 1269-1279.	10.3	185