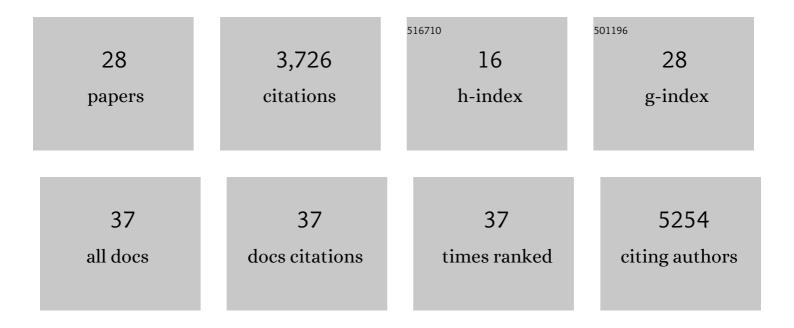
Shinsuke Niwa

List of Publications by Year in descending order

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SHINGLIKE NINA

#	Article	IF	CITATIONS
1	Analyzing the Impact of Gene Mutations on Axonal Transport in Caenorhabditis Elegans. Methods in Molecular Biology, 2022, 2431, 465-479.	0.9	6
2	An <scp>ALS</scp> â€associated <scp>KIF5A</scp> mutant forms oligomers and aggregates and induces neuronal toxicity. Genes To Cells, 2022, 27, 421-435.	1.2	22
3	Synergistic autoinhibition and activation mechanisms control kinesin-1 motor activity. Cell Reports, 2022, 39, 110900.	6.4	32
4	Neural and behavioral control in <i>Caenorhabditis elegans</i> by a yellow-light–activatable caged compound. Proceedings of the National Academy of Sciences of the United States of America, 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. Science Advances, 2021, 7, .	10.3	31
6	Effects of dynein inhibitor on the number of motor proteins transporting synaptic cargos. Biophysical Journal, 2021, 120, 1605-1614.	0.5	5
7	Japan-US symposium on cytoskeletal motor proteins and their associated proteins. Biophysics and Physicobiology, 2021, 18, 241-243.	1.0	2
8	A Combinatorial MAP Code Dictates Polarized Microtubule Transport. Developmental Cell, 2020, 53, 60-72.e4.	7.0	106
9	Vital roles of PCNA K165 modification during C. elegans gametogenesis and embryogenesis. DNA Repair, 2019, 82, 102688.	2.8	3
10	Disease-associated mutations hyperactivate KIF1A motility and anterograde axonal transport of synaptic vesicle precursors. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18429-18434.	7.1	89
11	Going Too Far Is the Same as Falling Shortâ€: Kinesin-3 Family Members in Hereditary Spastic Paraplegia. Frontiers in Cellular Neuroscience, 2019, 13, 419.	3.7	52
12	Physical parameters describing neuronal cargo transport by kinesin UNC-104. Biophysical Reviews, 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. Physical Chemistry Chemical Physics, 2018, 20, 3403-3410.	2.8	25
14	KIF1Bβ mutations detected in hereditary neuropathy impair IGF1R transport and axon growth. Journal of Cell Biology, 2018, 217, 3480-3496.	5.2	23
15	Streptothricin acetyl transferase 2 (Sat2): A dominant selection marker for Caenorhabditis elegans genome editing. PLoS ONE, 2018, 13, e0197128.	2.5	18
16	Structural basis for CRMP2-induced axonal microtubule formation. Scientific Reports, 2017, 7, 10681.	3.3	50
17	BORC Regulates the Axonal Transport of Synaptic Vesicle Precursors by Activating ARL-8. Current Biology, 2017, 27, 2569-2578.e4.	3.9	72
18	Immobilization of Caenorhabditis elegans to Analyze Intracellular Transport in Neurons. Journal of Visualized Experiments, 2017, , .	0.3	8

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#	Article	IF	CITATIONS
19	Autoinhibition of a Neuronal Kinesin UNC-104/KIF1A Regulates the Size and Density of Synapses. Cell Reports, 2016, 16, 2129-2141.	6.4	105
20	The nephronophthisis-related gene ift-139 is required for ciliogenesis in Caenorhabditis elegans. Scientific Reports, 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. Neuron, 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. Journal of Neuroscience, 2015, 35, 5067-5086.	3.6	30
23	β-Tubulin mutations that cause severe neuropathies disrupt axonal transport. EMBO Journal, 2013, 32, 1352-1364.	7.8	85
24	KIF19A Is a Microtubule-Depolymerizing Kinesin for Ciliary Length Control. Developmental Cell, 2012, 23, 1167-1175.	7.0	128
25	Preferential binding of a kinesin-1 motor to GTP-tubulin–rich microtubules underlies polarized vesicle transport. Journal of Cell Biology, 2011, 194, 245-255.	5.2	137
26	Molecular Motors in Neurons: Transport Mechanisms and Roles in Brain Function, Development, and Disease. Neuron, 2010, 68, 610-638.	8.1	940
27	Kinesin superfamily motor proteins and intracellular transport. Nature Reviews Molecular Cell Biology, 2009, 10, 682-696.	37.0	1,457
28	KIF1Bβ- and KIF1A-mediated axonal transport of presynaptic regulator Rab3 occurs in a GTP-dependent manner through DENN/MADD. Nature Cell Biology, 2008, 10, 1269-1279.	10.3	185