Naoko Mizuno

List of Publications by Year
in descending order

34	2,277	279487 23	395343 33
papers	citations	h-index	g-index

39	39	39	5878
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Membrane Curvature Induction and Tubulation Are Common Features of Synucleins and Apolipoproteins. Journal of Biological Chemistry, 2010, 285, 32486-32493.	1.6	278
2	Molecular Basis of Tubulin Transport Within the Cilium by IFT74 and IFT81. Science, 2013, 341, 1009-1012.	6.0	271
3	Structural basis for iron piracy by pathogenic Neisseria. Nature, 2012, 483, 53-58.	13.7	239
4	Kank2 activates talin, reduces force transduction across integrins and induces central adhesionÂformation. Nature Cell Biology, 2016, 18, 941-953.	4.6	144
5	The Antioxidant Transcription Factor Nrf2 Negatively Regulates Autophagy and Growth Arrest Induced by the Anticancer Redox Agent Mitoquinone. Journal of Biological Chemistry, 2010, 285, 34447-34459.	1.6	121
6	Dynein and kinesin share an overlapping microtubule-binding site. EMBO Journal, 2004, 23, 2459-2467.	3.5	114
7	Remodeling of Lipid Vesicles into Cylindrical Micelles by Î±-Synuclein in an Extended Î±-Helical Conformation. Journal of Biological Chemistry, 2012, 287, 29301-29311.	1.6	99
8	The Architecture of Talin1 Reveals an Autoinhibition Mechanism. Cell, 2019, 179, 120-131.e13.	13.5	93
9	Tau binding to microtubules does not directly affect microtubule-based vesicle motility. Journal of Neuroscience Research, 2007, 85, 2620-2630.	1.3	74
10	Reconstitution of contractile actomyosin rings in vesicles. Nature Communications, 2021, 12, 2254.	5.8	74
11	Structural dependence of HET-s amyloid fibril infectivity assessed by cryoelectron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3252-3257.	3.3	73
12	Structural Studies of Ciliary Components. Journal of Molecular Biology, 2012, 422, 163-180.	2.0	69
13	Î±-Synuclein Oligomers with Broken Helical Conformation Form Lipoprotein Nanoparticles. Journal of Biological Chemistry, 2013, 288, 17620-17630.	1.6	64
14	Three-dimensional structure of cytoplasmic dynein bound to microtubules. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20832-20837.	3.3	59
15	Structural insights into integrin Î± ₅ Î² ₁ opening by fibronectin ligand. Science Advances, 2021, 7, .	4.7	56
16	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. Nature Cell Biology, 2018, 20, 1172-1180.	4.6	48
17	Multiple Modes of Endophilin-mediated Conversion of Lipid Vesicles into Coated Tubes. Journal of Biological Chemistry, 2010, 285, 23351-23358.	1.6	44
18	Structural insights into the cooperative remodeling of membranes by amphiphysin/BIN1. Scientific Reports, 2015, 5, 15452.	1.6	44

#	Article	IF	Citations
19	MuB is an AAA+ ATPase that forms helical filaments to control target selection for DNA transposition. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2441-50.	3.3	40
20	Structural basis for the extended CAP-Gly domains of p150 ^{glued} binding to microtubules and the implication for tubulin dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11347-11352.	3.3	39
21	Phosphoinositides regulate force-independent interactions between talin, vinculin, and actin. ELife, 2020, 9, .	2.8	39
22	Cofilin recruits F-actin to SPCA1 and promotes Ca2+-mediated secretory cargo sorting. Journal of Cell Biology, 2014, 206, 635-654.	2.3	37
23	Membrane association and remodeling by intraflagellar transport protein IFT172. Nature Communications, 2018, 9, 4684.	5.8	28
24	Architecture and ssDNA interaction of the Timeless-Tipin-RPA complex. Nucleic Acids Research, 2014, 42, 12912-12927.	6.5	25
25	Side-binding proteins modulate actin filament dynamics. ELife, 2015, 4, .	2.8	23
26	Bottomâ€up reconstitution of focal adhesion complexes. FEBS Journal, 2022, 289, 3360-3373.	2.2	23
27	Mitochondrial dysfunction generates aggregates that resist lysosomal degradation in human breast cancer cells. Cell Death and Disease, 2020, 11, 460.	2.7	16
28	In situ cryo-electron tomography reveals local cellular machineries for axon branch development. Journal of Cell Biology, 2022, 221, .	2.3	15
29	Cytoskeleton and Membrane Organization at Axon Branches. Frontiers in Cell and Developmental Biology, 2021, 9, 707486.	1.8	8
30	Molecular Determination by Electron Microscopy of the Dyneinâ€“Microtubule Complex Structure. Journal of Molecular Biology, 2007, 372, 1320-1336.	2.0	7
31	Conformational Switching in PolyGln Amyloid Fibrils Resulting from a Single Amino Acid Insertion. Biophysical Journal, 2014, 106, 2134-2142.	0.2	3
32	Removal of Tightly Bound ADP Induces Distinct Structural Changes of the Two Tryptophan-Containing Regions of the ncd Motor Domain. Journal of Biochemistry, 2005, 138, 95-104.	0.9	2
33	Cryoem Studies of Membrane-Protein Interactions. Biophysical Journal, 2013, 104, 206a-207a.	0.2	0
34	Structural Biology of Cell Shape Formation. Biophysical Journal, 2018, 114, 11a.	0.2	0