Naoko Mizuno

List of Publications by Citations

32 papers	1,628 citations	19 h-index	39 g-index
39 ext. papers	1,966 ext. citations	12 avg, IF	4.33 L-index

#	Paper	IF	Citations
32	Membrane curvature induction and tubulation are common features of synucleins and apolipoproteins. *Journal of Biological Chemistry*, **2010**, 285, 32486-93	5	227
31	Structural basis for iron piracy by pathogenic Neisseria. *Nature*, **2012**, 483, 53-8	47.5	198
30	Molecular basis of tubulin transport within the cilium by IFT74 and IFT81. *Science*, **2013**, 341, 1009-12	32.2	193
29	The antioxidant transcription factor Nrf2 negatively regulates autophagy and growth arrest induced by the anticancer redox agent mitoquinone. *Journal of Biological Chemistry*, **2010**, 285, 34447-59	5	105
28	Kank2 activates talin, reduces force transduction across integrins and induces central adhesion formation. *Nature Cell Biology*, **2016**, 18, 941-53	22.7	98
27	Dynein and kinesin share an overlapping microtubule-binding site. *EMBO Journal*, **2004**, 23, 2459-67	12.6	91
26	Remodeling of lipid vesicles into cylindrical micelles by synuclein in an extended helical conformation. *Journal of Biological Chemistry*, **2012**, 287, 29301-11	5	84
25	Tau binding to microtubules does not directly affect microtubule-based vesicle motility. *Journal of Neuroscience Research*, **2007**, 85, 2620-30	4.2	68
24	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, 3252-7	11.1	63
23	Structural studies of ciliary components. *Journal of Molecular Biology*, **2012**, 422, 163-80	6.3	56
22	Synuclein oligomers with broken helical conformation form lipoprotein nanoparticles. *Journal of Biological Chemistry*, **2013**, 288, 17620-30	5	54
21	Three-dimensional structure of cytoplasmic dynein bound to microtubules. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 20832-7	11.1	50
20	The Architecture of Talin1 Reveals an Autoinhibition Mechanism. *Cell*, **2019**, 179, 120-131.e13	54.5	47
19	Multiple modes of endophilin-mediated conversion of lipid vesicles into coated tubes: implications for synaptic endocytosis. *Journal of Biological Chemistry*, **2010**, 285, 23351-8	5	41
18	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, 11347-52	11.1	32
17	Structural insights into the cooperative remodeling of membranes by amphiphysin/BIN1. *Scientific Reports*, **2015**, 5, 15452	4.7	31
16	Cofilin recruits F-actin to SPCA1 and promotes Ca2+-mediated secretory cargo sorting. *Journal of Cell Biology*, **2014**, 206, 635-54	7.1	26

List of Publications

15	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	11.1	25
14	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. *Nature Cell Biology*, **2018**, 20, 1172-1180	22.7	22
13	Side-binding proteins modulate actin filament dynamics. *ELife*, **2015**, 4,	8.6	18
12	Membrane association and remodeling by intraflagellar transport protein IFT172. *Nature Communications*, **2018**, 9, 4684	16.9	17
11	Architecture and ssDNA interaction of the Timeless-Tipin-RPA complex. *Nucleic Acids Research*, **2014**, 42, 12912-27	19.4	16
10	Phosphoinositides regulate force-independent interactions between talin, vinculin, and actin. *ELife*, **2020**, 9,	8.6	15
9	Reconstitution of contractile actomyosin rings in vesicles. *Nature Communications*, **2021**, 12, 2254	16.9	14
8	Mitochondrial dysfunction generates aggregates that resist lysosomal degradation in human breast cancer cells. *Cell Death and Disease*, **2020**, 11, 460	9.5	5
7	Molecular determination by electron microscopy of the dynein-microtubule complex structure. *Journal of Molecular Biology*, **2007**, 372, 1320-36	6.3	6
6	Reconstitution of contractile actomyosin rings in vesicles		5
5	Structural insights into integrin □pening by fibronectin ligand. *Science Advances*, **2021**, 7,	13.9	4
4	Conformational switching in PolyGln amyloid fibrils resulting from a single amino acid insertion. *Biophysical Journal*, **2014**, 106, 2134-42	0.5	3
3	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	3.1	2
2	Bottom-up reconstitution of focal adhesion complexes. *FEBS Journal*, **2021**,	5.4	1
1	Cytoskeleton and Membrane Organization at Axon Branches. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 707486	5.4	0