

# Naoko Mizuno

## List of Publications by Year in descending order

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35  
papers

2,409  
citations

232373

23  
h-index

320162

34  
g-index

45  
all docs

45  
docs citations

45  
times ranked

5616  
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane Curvature Induction and Tubulation Are Common Features of Synucleins and Apolipoproteins. <i>Journal of Biological Chemistry</i> , 2010, 285, 32486-32493.	3.5	284
2	Structural basis for iron piracy by pathogenic <i>Neisseria</i> . <i>Nature</i> , 2012, 483, 53-58.	36.3	242
3	Kank2 activates talin, reduces force transduction across integrins and induces central adhesion formation. <i>Nature Cell Biology</i> , 2016, 18, 941-953.	10.1	148
4	The Antioxidant Transcription Factor Nrf2 Negatively Regulates Autophagy and Growth Arrest Induced by the Anticancer Redox Agent Mitoquinone. <i>Journal of Biological Chemistry</i> , 2010, 285, 34447-34459.	3.5	124
5	Dynein and kinesin share an overlapping microtubule-binding site. <i>EMBO Journal</i> , 2004, 23, 2459-2467.	7.7	114
6	Remodeling of Lipid Vesicles into Cylindrical Micelles by $\alpha$ -Synuclein in an Extended $\alpha$ -Helical Conformation. <i>Journal of Biological Chemistry</i> , 2012, 287, 29301-29311.	3.5	101
7	The Architecture of Talin1 Reveals an Autoinhibition Mechanism. <i>Cell</i> , 2019, 179, 120-131.e13.	28.1	100
8	Reconstitution of contractile actomyosin rings in vesicles. <i>Nature Communications</i> , 2021, 12, 2254.	13.2	90
9	Structural insights into integrin $\alpha$ 5 $\beta$ 1 opening by fibronectin ligand. <i>Science Advances</i> , 2021, 7, .	10.9	80
10	Tau binding to microtubules does not directly affect microtubule-based vesicle motility. <i>Journal of Neuroscience Research</i> , 2007, 85, 2620-2630.	3.1	74
11	Structural dependence of HET-s amyloid fibril infectivity assessed by cryoelectron microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3252-3257.	7.6	73
12	Structural Studies of Ciliary Components. <i>Journal of Molecular Biology</i> , 2012, 422, 163-180.	4.3	71
13	$\alpha$ -Synuclein Oligomers with Broken Helical Conformation Form Lipoprotein Nanoparticles. <i>Journal of Biological Chemistry</i> , 2013, 288, 17620-17630.	3.5	65
14	Three-dimensional structure of cytoplasmic dynein bound to microtubules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20832-20837.	7.6	59
15	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. <i>Nature Cell Biology</i> , 2018, 20, 1172-1180.	10.1	54
16	Structural insights into the cooperative remodeling of membranes by amphiphysin/BIN1. <i>Scientific Reports</i> , 2015, 5, 15452.	3.5	48
17	Multiple Modes of Endophilin-mediated Conversion of Lipid Vesicles into Coated Tubes. <i>Journal of Biological Chemistry</i> , 2010, 285, 23351-23358.	3.5	46
18	Phosphoinositides regulate force-independent interactions between talin, vinculin, and actin. <i>ELife</i> , 2020, 9, .	5.9	43

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19	MuB is an AAA+ ATPase that forms helical filaments to control target selection for DNA transposition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2441-50.	7.6	42
20	Cofilin recruits F-actin to SPCA1 and promotes Ca <sup>2+</sup> -mediated secretory cargo sorting. <i>Journal of Cell Biology</i> , 2014, 206, 635-654.	5.2	42
21	Structural basis for the extended CAP-Gly domains of p150 <sup>glued</sup> binding to microtubules and the implication for tubulin dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11347-11352.	7.6	40
22	Membrane association and remodeling by intraflagellar transport protein IFT172. <i>Nature Communications</i> , 2018, 9, 4684.	13.2	29
23	Bottom-up reconstitution of focal adhesion complexes. <i>FEBS Journal</i> , 2022, 289, 3360-3373.	5.0	26
24	Architecture and ssDNA interaction of the Timeless-Tipin-RPA complex. <i>Nucleic Acids Research</i> , 2014, 42, 12912-12927.	14.2	25
25	In situ cryo-electron tomography reveals local cellular machineries for axon branch development. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	21
26	Mitochondrial dysfunction generates aggregates that resist lysosomal degradation in human breast cancer cells. <i>Cell Death and Disease</i> , 2020, 11, 460.	6.5	16
27	Cytoskeleton and Membrane Organization at Axon Branches. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 707486.	3.9	10
28	Direct Cryo-ET observation of platelet deformation induced by SARS-CoV-2 spike protein. <i>Nature Communications</i> , 2023, 14, .	13.2	9
29	Molecular Determination by Electron Microscopy of the Dynein-Microtubule Complex Structure. <i>Journal of Molecular Biology</i> , 2007, 372, 1320-1336.	4.3	7
30	Conformational Switching in PolyGln Amyloid Fibrils Resulting from a Single Amino Acid Insertion. <i>Biophysical Journal</i> , 2014, 106, 2134-2142.	0.5	4
31	Removal of Tightly Bound ADP Induces Distinct Structural Changes of the Two Tryptophan-Containing Regions of the ncd Motor Domain. <i>Journal of Biochemistry</i> , 2005, 138, 95-104.	1.8	2
32	Cryoem Studies of Membrane-Protein Interactions. <i>Biophysical Journal</i> , 2013, 104, 206a-207a.	0.5	0
33	Structural Biology of Cell Shape Formation. <i>Biophysical Journal</i> , 2018, 114, 11a.	0.5	0
34	Visualizing the initial steps of blood clotting by SARS-Cov2 Spike protein. <i>TheScienceBreaker</i> , 2023, 9, .	0.0	0
35	Membrane-induced 2D phase separation of the focal adhesion protein talin. <i>Nature Communications</i> , 2024, 15, .	13.2	0