

Naoko Mizuno

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,277
citations

279798

23
h-index

395702

33
g-index

39
all docs

39
docs citations

39
times ranked

5878
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.	3.4	278
2	Molecular Basis of Tubulin Transport Within the Cilium by IFT74 and IFT81. <i>Science</i> , 2013, 341, 1009-1012.	12.6	271
3	Structural basis for iron piracy by pathogenic <i>Neisseria</i> . <i>Nature</i> , 2012, 483, 53-58.	27.8	239
4	Kank2 activates talin, reduces force transduction across integrins and induces central adhesion formation. <i>Nature Cell Biology</i> , 2016, 18, 941-953.	10.3	144
5	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.	3.4	121
6	Dynein and kinesin share an overlapping microtubule-binding site. <i>EMBO Journal</i> , 2004, 23, 2459-2467.	7.8	114
7	Remodeling of Lipid Vesicles into Cylindrical Micelles by α -Synuclein in an Extended α -Helical Conformation. <i>Journal of Biological Chemistry</i> , 2012, 287, 29301-29311.	3.4	99
8	The Architecture of Talin1 Reveals an Autoinhibition Mechanism. <i>Cell</i> , 2019, 179, 120-131.e13.	28.9	93
9	Tau binding to microtubules does not directly affect microtubule-based vesicle motility. <i>Journal of Neuroscience Research</i> , 2007, 85, 2620-2630.	2.9	74
10	Reconstitution of contractile actomyosin rings in vesicles. <i>Nature Communications</i> , 2021, 12, 2254.	12.8	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.	7.1	73
12	Structural Studies of Ciliary Components. <i>Journal of Molecular Biology</i> , 2012, 422, 163-180.	4.2	69
13	α -Synuclein Oligomers with Broken Helical Conformation Form Lipoprotein Nanoparticles. <i>Journal of Biological Chemistry</i> , 2013, 288, 17620-17630.	3.4	64
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.	7.1	59
15	Structural insights into integrin α ₅ β ₁ opening by fibronectin ligand. <i>Science Advances</i> , 2021, 7, .	10.3	56
16	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. <i>Nature Cell Biology</i> , 2018, 20, 1172-1180.	10.3	48
17	Multiple Modes of Endophilin-mediated Conversion of Lipid Vesicles into Coated Tubes. <i>Journal of Biological Chemistry</i> , 2010, 285, 23351-23358.	3.4	44
18	Structural insights into the cooperative remodeling of membranes by amphiphysin/BIN1. <i>Scientific Reports</i> , 2015, 5, 15452.	3.3	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.	7.1	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.	7.1	39
21	Phosphoinositides regulate force-independent interactions between talin, vinculin, and actin. ELife, 2020, 9, .	6.0	39
22	Cofilin recruits F-actin to SPCA1 and promotes Ca ²⁺ -mediated secretory cargo sorting. Journal of Cell Biology, 2014, 206, 635-654.	5.2	37
23	Membrane association and remodeling by intraflagellar transport protein IFT172. Nature Communications, 2018, 9, 4684.	12.8	28
24	Architecture and ssDNA interaction of the Timeless-Tipin-RPA complex. Nucleic Acids Research, 2014, 42, 12912-12927.	14.5	25
25	Side-binding proteins modulate actin filament dynamics. ELife, 2015, 4, .	6.0	23
26	Bottomâ€p reconstitution of focal adhesion complexes. FEBS Journal, 2022, 289, 3360-3373.	4.7	23
27	Mitochondrial dysfunction generates aggregates that resist lysosomal degradation in human breast cancer cells. Cell Death and Disease, 2020, 11, 460.	6.3	16
28	In situ cryo-electron tomography reveals local cellular machineries for axon branch development. Journal of Cell Biology, 2022, 221, .	5.2	15
29	Cytoskeleton and Membrane Organization at Axon Branches. Frontiers in Cell and Developmental Biology, 2021, 9, 707486.	3.7	8
30	Molecular Determination by Electron Microscopy of the Dyneinâ€p Microtubule Complex Structure. Journal of Molecular Biology, 2007, 372, 1320-1336.	4.2	7
31	Conformational Switching in PolyGln Amyloid Fibrils Resulting from a Single Amino Acid Insertion. Biophysical Journal, 2014, 106, 2134-2142.	0.5	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.	1.7	2
33	Cryoem Studies of Membrane-Protein Interactions. Biophysical Journal, 2013, 104, 206a-207a.	0.5	0
34	Structural Biology of Cell Shape Formation. Biophysical Journal, 2018, 114, 11a.	0.5	0