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Use of negative stain and single-particle image processing to explore dynamic properties of flexible macrom

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#	Paper	IF	Citations
87	Characterization of the in vitro co-assembly process of the intermediate filament proteins vimentin and desmin: mixed polymers at all stages of assembly. <i>European Journal of Cell Biology</i> , 2005 , 84, 379-91	6.1	42
86	The predicted coiled-coil domain of myosin 10 forms a novel elongated domain that lengthens the head. <i>Journal of Biological Chemistry</i> , 2005 , 280, 34702-8	5.4	131
85	Observation of individual microtubule motor steps in living cells with endocytosed quantum dots. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 24220-4	3.4	142
84	Electron Tomography. 2006 ,		112
83	Dynamic allostery of protein alpha helical coiled-coils. <i>Journal of the Royal Society Interface</i> , 2006 , 3, 125-38	3.8	29
82	Structure of <i>Saccharomyces cerevisiae</i> DNA polymerase epsilon by cryo-electron microscopy. <i>Nature Structural and Molecular Biology</i> , 2006 , 13, 35-43	17.6	81
81	The cargo-binding domain regulates structure and activity of myosin 5. <i>Nature</i> , 2006 , 442, 212-5	50.4	148
80	Cryo-EM and single particles. <i>Physiology</i> , 2006 , 21, 13-8	9.8	43
79	The globular tail domain of myosin Va functions as an inhibitor of the myosin Va motor. <i>Journal of Biological Chemistry</i> , 2006 , 281, 21789-21798	5.4	72
78	A structural model reveals energy transduction in dynein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 18540-5	11.5	30
77	<i>Chlamydomonas</i> outer arm dynein alters conformation in response to Ca ²⁺ . <i>Molecular Biology of the Cell</i> , 2007 , 18, 3620-34	3.5	60
76	Load-dependent mechanism of nonmuscle myosin 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9994-9	11.5	160
75	Unsupervised classification of single particles by cluster tracking in multi-dimensional space. <i>Journal of Structural Biology</i> , 2007 , 157, 226-39	3.4	45
74	Cross-correlation of common lines: a novel approach for single-particle reconstruction of a structure containing a flexible domain. <i>Journal of Structural Biology</i> , 2007 , 159, 474-82	3.4	13
73	Structures of smooth muscle myosin and heavy meromyosin in the folded, shutdown state. <i>Journal of Molecular Biology</i> , 2007 , 372, 1165-78	6.5	102
72	Imaging actomyosin in situ. <i>Methods in Cell Biology</i> , 2007 , 79, 321-68	1.8	9
71	Conservation of the regulated structure of folded myosin 2 in species separated by at least 600 million years of independent evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6022-6	11.5	63

70	Substrate-binding model of the chlorophyll biosynthetic magnesium chelatase BchH subunit. <i>Journal of Biological Chemistry</i> , 2008 , 283, 11652-60	5.4	40
69	Head-head and head-tail interaction: a general mechanism for switching off myosin II activity in cells. <i>Molecular Biology of the Cell</i> , 2008 , 19, 3234-42	3.5	142
68	Electron microscopic imaging and analysis of isolated dynein particles. <i>Methods in Cell Biology</i> , 2009 , 91, 41-61	1.8	6
67	A FERM domain autoregulates <i>Drosophila</i> myosin 7a activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4189-94	11.5	83
66	Conformational flexibility of metazoan fatty acid synthase enables catalysis. <i>Nature Structural and Molecular Biology</i> , 2009 , 16, 190-7	17.6	83
65	AAA+ Ring and linker swing mechanism in the dynein motor. <i>Cell</i> , 2009 , 136, 485-95	56.2	174
64	A method for the alignment of heterogeneous macromolecules from electron microscopy. <i>Journal of Structural Biology</i> , 2009 , 166, 67-78	3.4	32
63	Methods for identifying and averaging variable molecular conformations in tomograms of actively contracting insect flight muscle. <i>Journal of Structural Biology</i> , 2009 , 168, 485-502	3.4	19
62	Transcriptionally active TFIIF of the early-diverged eukaryote <i>Trypanosoma brucei</i> harbors two novel core subunits but not a cyclin-activating kinase complex. <i>Nucleic Acids Research</i> , 2009 , 37, 3811-20 ^{20.1}		38
61	A new antioxidant with dual functions as a peroxidase and chaperone in <i>Pseudomonas aeruginosa</i> . <i>Molecules and Cells</i> , 2010 , 29, 145-51	3.5	24
60	Myosin complexed with ADP and blebbistatin reversibly adopts a conformation resembling the start point of the working stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6799-804	11.5	35
59	Nucleotide-dependent shape changes in the reverse direction motor, myosin VI. <i>Biophysical Journal</i> , 2010 , 99, 3336-44	2.9	8
58	Automated multi-model reconstruction from single-particle electron microscopy data. <i>Journal of Structural Biology</i> , 2010 , 170, 98-108	3.4	30
57	FtsZ in bacterial cytokinesis: cytoskeleton and force generator all in one. <i>Microbiology and Molecular Biology Reviews</i> , 2010 , 74, 504-28	13.2	45 ⁸
56	Single-particle electron microscopy of animal fatty acid synthase describing macromolecular rearrangements that enable catalysis. <i>Methods in Enzymology</i> , 2010 , 483, 179-202	1.7	
55	Phospholipid-dependent regulation of the motor activity of myosin X. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 783-8	17.6	81
54	Role of the tail in the regulated state of myosin 2. <i>Journal of Molecular Biology</i> , 2011 , 408, 863-78	6.5	28
53	Functional switching of a novel prokaryotic 2-Cys peroxiredoxin (PpPrx) under oxidative stress. <i>Cell Stress and Chaperones</i> , 2011 , 16, 317-28	4	19

52	Negative staining and cryo-negative staining of macromolecules and viruses for TEM. <i>Micron</i> , 2011 , 42, 117-31	2.3	118
51	Distinct roles of 1alpha and 1beta heavy chains of the inner arm dynein I1 of Chlamydomonas flagella. <i>Molecular Biology of the Cell</i> , 2011 , 22, 342-53	3.5	33
50	DNA polymerase β . <i>Sub-Cellular Biochemistry</i> , 2012 , 62, 237-57	5.5	21
49	Isolation, electron microscopy and 3D reconstruction of invertebrate muscle myofilaments. <i>Methods</i> , 2012 , 56, 33-43	4.6	6
48	Subunit architecture of general transcription factor TFIIF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1949-54	11.5	42
47	Negative-stain electron microscopy of inside-out FtsZ rings reconstituted on artificial membrane tubules show ribbons of protofilaments. <i>Biophysical Journal</i> , 2012 , 103, 59-68	2.9	42
46	ATP-driven remodeling of the linker domain in the dynein motor. <i>Structure</i> , 2012 , 20, 1670-80	5.2	68
45	The Eukaryotic Replisome: a Guide to Protein Structure and Function. <i>Sub-Cellular Biochemistry</i> , 2012 ,	5.5	6
44	A negative stain for electron microscopic tomography. <i>Microscopy and Microanalysis</i> , 2012 , 18, 331-5	0.5	7
43	Asymmetric mode of Ca ²⁺ -S100A4 interaction with nonmuscle myosin IIA generates nanomolar affinity required for filament remodeling. <i>Structure</i> , 2012 , 20, 654-66	5.2	36
42	Electron Crystallography of Soluble and Membrane Proteins. <i>Methods in Molecular Biology</i> , 2013 ,	1.4	6
41	Characterization of three full-length human nonmuscle myosin II paralogs. <i>Journal of Biological Chemistry</i> , 2013 , 288, 33398-410	5.4	128
40	Novel glyoxalases from Arabidopsis thaliana. <i>FEBS Journal</i> , 2013 , 280, 3328-39	5.7	51
39	Thioredoxin reductase type C (NTRC) orchestrates enhanced thermotolerance to Arabidopsis by its redox-dependent holdase chaperone function. <i>Molecular Plant</i> , 2013 , 6, 323-36	14.4	65
38	SlmA forms a higher-order structure on DNA that inhibits cytokinetic Z-ring formation over the nucleoid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 10586-91	11.5	70
37	Flexibility within the rotor and stators of the vacuolar H ⁺ -ATPase. <i>PLoS ONE</i> , 2013 , 8, e82207	3.7	13
36	Flexibility within the heads of muscle myosin-2 molecules. <i>Journal of Molecular Biology</i> , 2014 , 426, 894-907	5.7	20
35	Three-dimensional organization of troponin on cardiac muscle thin filaments in the relaxed state. <i>Biophysical Journal</i> , 2014 , 106, 855-64	2.9	39

34	Site-directed mutagenesis substituting cysteine for serine in 2-Cys peroxiredoxin (2-Cys Prx A) of <i>Arabidopsis thaliana</i> effectively improves its peroxidase and chaperone functions. <i>Annals of Botany</i> , 2015 , 116, 713-25	4.1	20
33	Structure and Regulation of the Movement of Human Myosin VIIA. <i>Journal of Biological Chemistry</i> , 2015 , 290, 17587-98	5.4	27
32	Direct observation shows superposition and large scale flexibility within cytoplasmic dynein motors moving along microtubules. <i>Nature Communications</i> , 2015 , 6, 8179	17.4	52
31	Identification of a Dual Inhibitor of Janus Kinase 2 (JAK2) and p70 Ribosomal S6 Kinase1 (S6K1) Pathways. <i>Journal of Biological Chemistry</i> , 2015 , 290, 23553-62	5.4	11
30	An additional cysteine in a typical 2-Cys peroxiredoxin of <i>Pseudomonas</i> promotes functional switching between peroxidase and molecular chaperone. <i>FEBS Letters</i> , 2015 , 589, 2831-40	3.8	8
29	Methods to account for movement and flexibility in cryo-EM data processing. <i>Methods</i> , 2016 , 100, 35-41	4.6	18
28	A single-headed fission yeast myosin V transports actin in a tropomyosin-dependent manner. <i>Journal of Cell Biology</i> , 2016 , 214, 167-79	7.3	8
27	Calcium can mobilize and activate myosin-VI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E1162-9	11.5	29
26	Phosphorylation and calcium antagonistically tune myosin-binding protein C β structure and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3239-44	11.5	54
25	Electron microscopic imaging revealed the flexible filamentous structure of the cell attachment protein P2 of Rice dwarf virus located around the icosahedral 5-fold axes. <i>Journal of Biochemistry</i> , 2016 , 159, 181-90	3.1	10
24	A1603P and K1617del, Mutations in β -Cardiac Myosin Heavy Chain that Cause Late Early-Onset Distal Myopathy, Affect Secondary Structure and Filament Formation In Vitro and In Vivo. <i>Journal of Molecular Biology</i> , 2018 , 430, 1459-1478	6.5	2
23	Interacting-heads motif has been conserved as a mechanism of myosin II inhibition since before the origin of animals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E1991-E2000	11.5	44
22	Variations on Negative Stain Electron Microscopy Methods: Tools for Tackling Challenging Systems. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	35
21	Recruitment of two dyneins to an mRNA-dependent Bicaudal D transport complex. <i>ELife</i> , 2018 , 7,	8.9	33
20	Cryo-EM Grid Preparation of Membrane Protein Samples for Single Particle Analysis. <i>Frontiers in Molecular Biosciences</i> , 2018 , 5, 74	5.6	10
19	The central role of the tail in switching off 10S myosin II activity. <i>Journal of General Physiology</i> , 2019 , 151, 1081-1093	3.4	10
18	Cryo-EM structure of the inhibited (10S) form of myosin II. <i>Nature</i> , 2020 , 588, 521-525	50.4	23
17	The BAR domain of the Arf GTPase-activating protein ASAP1 directly binds actin filaments. <i>Journal of Biological Chemistry</i> , 2020 , 295, 11303-11315	5.4	7

16	Conformational diversity of dynactin sidearm and domain organization of its subunit p150. <i>Molecular Biology of the Cell</i> , 2020 , 31, 1218-1231	3.5	3
15	Load and Display: Engineering Encapsulin as a Modular Nanoplatfor for Protein-Cargo Encapsulation and Protein-Ligand Decoration Using Split Intein and SpyTag/SpyCatcher. <i>Biomacromolecules</i> , 2021 , 22, 3028-3039	6.9	7
14	Moving in the mesoscale: Understanding the mechanics of cytoskeletal molecular motors by combining mesoscale simulations with imaging. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , e1570	7.9	
13	Electron tomography of paracrystalline 2D arrays. <i>Methods in Molecular Biology</i> , 2013 , 955, 427-60	1.4	2
12	Competition between kinesin-1 and myosin-V defines posterior determination. <i>ELife</i> , 2020 , 9,	8.9	17
11	The Effects of Electron Beam Exposure Time on Transmission Electron Microscopy Imaging of Negatively Stained Biological Samples. <i>Applied Microscopy</i> , 2015 , 45, 150-154	1.1	2
10	Molecular structure of muscle filaments determined by electron microscopy. <i>Applied Microscopy</i> , 2017 , 47, 226-232	1.1	3
9	Technical approaches of single particle analysis following electron microscopy to pre-screening biological candidates targeted on high resolution studies. <i>Journal of Analytical Science and Technology</i> , 2010 , 1, 66-70	3.4	
8	Recruitment of Two Dyneins to an mRNA-Dependent Bicaudal D Transport Complex.		0
7	The Central Role of the Tail in Switching Off Myosin II in Cells.		
6	Competition between kinesin-1 and myosin-V define <i>Drosophila</i> posterior determination.		
5	Localization and Classification of Repetitive Structures in Electron Tomograms of Paracrystalline Assemblies. 2007 , 417-439		
4	Low-resolution structures of modular nanotransporters shed light on their functional activity. <i>Acta Crystallographica Section D: Structural Biology</i> , 2020 , 76, 1270-1279	5.5	2
3	Thermal fluctuations assist mechanical signal propagation in coiled-coil proteins.. <i>Physical Review E</i> , 2021 , 104, 054403	2.4	
2	Development of a synthetic nanoparticle vaccine presenting the HIV-1 envelope glycoprotein.		1
1	Studies of functional properties of espin 1: Its interaction to actin filaments. 10,		0