Anna S Akhmanova

List of Publications by Year
in descending order

225	21,992	8732	11899
papers	citations	75 h-index	134 g-index

412	412	412	18012
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Organization and dynamics of the cortical complexes controlling insulin secretion in Î²-cells. Journal of Cell Science, 2022, 135, .	1.2	11
2	Photoswitchable Epothiloneâ€Based Microtubule Stabilisers Allow GFPâ€Imagingâ€Compatible, Optical Control over the Microtubule Cytoskeleton**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	15
3	Visualizing cellular and tissue ultrastructure using Ten-fold Robust Expansion Microscopy (TREx). ELife, 2022, 11, .	2.8	70
4	In Vivo Photocontrol of Microtubule Dynamics and Integrity, Migration and Mitosis, by the Potent GFP-Imaging-Compatible Photoswitchable Reagents SBTubA4P and SBTub2M. Journal of the American Chemical Society, 2022, 144, 5614-5628.	6.6	24
5	Cross-linkers at growing microtubule ends generate forces that drive actin transport. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2112799119.	3.3	20
6	Mechanisms of microtubule organization in differentiated animal cells. Nature Reviews Molecular Cell Biology, 2022, 23, 541-558.	16.1	54
7	Angiomotin isoform 2 promotes binding of PALS1 to KIF13B at primary cilia and regulates ciliary length and signaling. Journal of Cell Science, 2022, 135, .	1.2	6
8	A Robust, GFP-Orthogonal Photoswitchable Inhibitor Scaffold Extends Optical Control over the Microtubule Cytoskeleton. Cell Chemical Biology, 2021, 28, 228-241.e6.	2.5	43
9	Solid-State NMR Spectroscopy for Studying Microtubules and Microtubule-Associated Proteins. Methods in Molecular Biology, 2021, 2305, 193-201.	0.4	3
10	Dynein self-organizes while translocating the centrosome in T-cells. Molecular Biology of the Cell, 2021, 32, 855-868.	0.9	12
11	BBLN-1 is essential for intermediate filament organization and apical membrane morphology. Current Biology, 2021, 31, 2334-2346.e9.	1.8	13
12	Rigorous review and editorial oversight of clinical preprints. ELife, 2021, 10, .	2.8	2
13	Talin rod domainâ€“containing protein 1 (TLNRD1) is a novel actin-bundling protein which promotes filopodia formation. Journal of Cell Biology, 2021, 220, .	2.3	9
14	WDR47 protects neuronal microtubule minus ends from katanin-mediated severing. Cell Reports, 2021, 36, 109371.	2.9	12
15	Pyrrole Hemithioindigo Antimitotics with Nearâ€Quantitative Bidirectional Photoswitching that Photocontrol Cellular Microtubule Dynamics with Singleâ€Cell Precision**. Angewandte Chemie, 2021, 133, 23888.	1.6	6
16	Pyrrole Hemithioindigo Antimitotics with Nearâ€Quantitative Bidirectional Photoswitching that Photocontrol Cellular Microtubule Dynamics with Singleâ€Cell Precision**. Angewandte Chemie - International Edition, 2021, 60, 23695-23704.	7.2	34
17	Lattice defects induced by microtubule-stabilizing agents exert a long-range effect on microtubule growth by promoting catastrophes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	24
18	Generation and regulation of microtubule network asymmetry to drive cell polarity. Current Opinion in Cell Biology, 2020, 62, 86-95.	2.6	81

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19	Taxanes convert regions of perturbed microtubule growth into rescue sites. Nature Materials, 2020, 19, 355-365.	13.3	44
20	Direct observation of dynamic protein interactions involving human microtubules using solid-state NMR spectroscopy. Nature Communications, 2020, 11, 18.	5.8	20
21	Pharmaceutical-Grade Rigosertib Is a Microtubule-Destabilizing Agent. Molecular Cell, 2020, 79, 191-198.e3.	4.5	22
22	Deep-learning method for data association in particle tracking. Bioinformatics, 2020, 36, 4935-4941.	1.8	22
23	CLASP Mediates Microtubule Repair by Restricting Lattice Damage and Regulating Tubulin Incorporation. Current Biology, 2020, 30, 2175-2183.e6.	1.8	50
24	Photoswitchable paclitaxel-based microtubule stabilisers allow optical control over the microtubule cytoskeleton. Nature Communications, 2020, 11, 4640.	5.8	52
25	Two Antagonistic Microtubule Targeting Drugs Act Synergistically to Kill Cancer Cells. Cancers, 2020, 12, 2196.	1.7	7
26	MKLP2 Is a Motile Kinesin that Transports the Chromosomal Passenger Complex during Anaphase. Current Biology, 2020, 30, 2628-2637.e9.	1.8	42
27	Mechanisms of Motor-Independent Membrane Remodeling Driven by Dynamic Microtubules. Current Biology, 2020, 30, 972-987.e12.	1.8	30
28	A drug discovery platform to identify compounds that inhibit EGFR triple mutants. Nature Chemical Biology, 2020, 16, 577-586.	3.9	30
29	Microtubules keep large cells in shape. Journal of Cell Biology, 2020, 219, .	2.3	3
30	Publishing in the time of COVID-19. ELife, 2020, 9, .	2.8	54
31	Concerted action of kinesins KIF5B and KIF13B promotes efficient secretory vesicle transport to microtubule plus ends. ELife, 2020, 9, .	2.8	46
32	Kinesin-4 KIF21B limits microtubule growth to allow rapid centrosome polarization in T cells. ELife, 2020, 9, .	2.8	29
33	Implementing a "publish, then review" model of publishing. ELife, 2020, 9, .	2.8	25
34	Force-Dependent Regulation of Talinâ€“KANK1 Complex at Focal Adhesions. Nano Letters, 2019, 19, 5982-5990.	4.5	34
35	A CEP104-CSPP1 Complex Is Required for Formation of Primary Cilia Competent in Hedgehog Signaling. Cell Reports, 2019, 28, 1907-1922.e6.	2.9	34
36	Crystal Structure of a Heterotetrameric Katanin p60:p80 Complex. Structure, 2019, 27, 1375-1383.e3.	1.6	11

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37	Cytolinker Gas2L1 regulates axon morphology through microtubuleâ€modulated actin stabilization. EMBO Reports, 2019, 20, e47732.	2.0	45
38	Feedback-Driven Assembly of the Axon Initial Segment. Neuron, 2019, 104, 305-321.e8.	3.8	54
39	Microtubule minus-end regulation at a glance. Journal of Cell Science, 2019, 132, .	1.2	67
40	MAP7 family proteins regulate kinesin-1 recruitment and activation. Journal of Cell Biology, 2019, 218, 1298-1318.	2.3	114
41	MAP7D2 Localizes to the Proximal Axon and Locally Promotes Kinesin-1-Mediated Cargo Transport into the Axon. Cell Reports, 2019, 26, 1988-1999.e6.	2.9	35
42	Structural determinants of microtubule minus end preference in CAMSAP CKK domains. Nature Communications, 2019, 10, 5236.	5.8	36
43	Systematic identification of recognition motifs for the hub protein LC8. Life Science Alliance, 2019, 2, e201900366.	1.3	31
44	Structural Basis of Formation of the Microtubule Minus-End-Regulating CAMSAP-Katanin Complex. Structure, 2018, 26, 375-382.e4.	1.6	47
45	Tipping microtubule dynamics, one protofilament at a time. Current Opinion in Cell Biology, 2018, 50, 86-93.	2.6	37
46	Coming into Focus: Mechanisms of Microtubule Minus-End Organization. Trends in Cell Biology, 2018, 28, 574-588.	3.6	56
47	Strengthening Microtubules by Cuts that Heal. Developmental Cell, 2018, 47, 400-401.	3.1	3
48	More is not always better: hyperglutamylation leads to neurodegeneration. EMBO Journal, 2018, 37, .	3.5	6
49	Guided by Light: Optical Control of Microtubule Gliding Assays. Nano Letters, 2018, 18, 7524-7528.	4.5	23
50	CLASP Suppresses Microtubule Catastrophes through a Single TOG Domain. Developmental Cell, 2018, 46, 40-58.e8.	3.1	110
51	Control of endothelial cell polarity and sprouting angiogenesis by non-centrosomal microtubules. ELife, 2018, 7, .	2.8	58
52	Plocabulin, a novel tubulin-binding agent, inhibits angiogenesis by modulation of microtubule dynamics in endothelial cells. BMC Cancer, 2018, 18, 164.	1.1	25
53	Optogenetic dissection of mitotic spindle positioning in vivo. ELife, 2018, 7, .	2.8	69
54	KIF13B establishes a CAV1-enriched microdomain at the ciliary transition zone to promote Sonic hedgehog signalling. Nature Communications, 2017, 8, 14177.	5.8	55

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55	Deconvolution of Buparlisibâ€™s mechanism of action defines specific PI3K and tubulin inhibitors for therapeutic intervention. Nature Communications, 2017, 8, 14683.	5.8	88
56	Automated Analysis of Intracellular Dynamic Processes. Methods in Molecular Biology, 2017, 1563, 209-228.	0.4	8
57	MAP2 Defines a Pre-axonal Filtering Zone to Regulate KIF1- versus KIF5-Dependent Cargo Transport in Sensory Neurons. Neuron, 2017, 94, 347-362.e7.	3.8	134
58	Microtubule minus-end regulation at spindle poles by an ASPMâ€“katanin complex. Nature Cell Biology, 2017, 19, 480-492.	4.6	147
59	Short Linear Sequence Motif LxxPTPh Targets Diverse Proteins to Growing Microtubule Ends. Structure, 2017, 25, 924-932.e4.	1.6	37
60	Probing cytoskeletal modulation of passive and active intracellular dynamics using nanobody-functionalized quantum dots. Nature Communications, 2017, 8, 14772.	5.8	65
61	GAS2L1 Is a Centriole-Associated Protein Required for Centrosome Dynamics and Disjunction. Developmental Cell, 2017, 40, 81-94.	3.1	31
62	Microtubules in 3D cell motility. Journal of Cell Science, 2017, 130, 39-50.	1.2	102
63	Combined CRISPRi/a-Based Chemical Genetic Screens Reveal that Rigosertib Is a Microtubule-Destabilizing Agent. Molecular Cell, 2017, 68, 210-223.e6.	4.5	197
64	A structural model for microtubule minus-end recognition and protection by CAMSAP proteins. Nature Structural and Molecular Biology, 2017, 24, 931-943.	3.6	86
65	Facilitating identification of minimal protein binding domains by cross-linking mass spectrometry. Scientific Reports, 2017, 7, 13453.	1.6	17
66	EB1 and EB3 regulate microtubule minus end organization and Golgi morphology. Journal of Cell Biology, 2017, 216, 3179-3198.	2.3	76
67	Two populations of cytoplasmic dynein contribute to spindle positioning in C. elegans embryos. Journal of Cell Biology, 2017, 216, 2777-2793.	2.3	39
68	Closing the tubulin detyrosination cycle. Science, 2017, 358, 1381-1382.	6.0	12
69	Structural basis of katanin p60:p80 complex formation. Scientific Reports, 2017, 7, 14893.	1.6	24
70	Microtubule-Organizing Centers. Annual Review of Cell and Developmental Biology, 2017, 33, 51-75.	4.0	169
71	Kinesin-4 KIF21B is a potent microtubule pausing factor. ELife, 2017, 6, .	2.8	51
72	Linking cortical microtubule attachment and exocytosis. F1000Research, 2017, 6, 469.	0.8	57

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73	Mesenchymal Cell Invasion Requires Cooperative Regulation of Persistent Microtubule Growth by SLAIN2 and CLASP1. Developmental Cell, 2016, 39, 708-723.	3.1	69
74	Tipping the spindle into the right position. Journal of Cell Biology, 2016, 213, 293-295.	2.3	4
75	Molecular Pathway of Microtubule Organization at the Golgi Apparatus. Developmental Cell, 2016, 39, 44-60.	3.1	114
76	MICAL3 Flavoprotein Monooxygenase Forms a Complex with Centralspindlin and Regulates Cytokinesis. Journal of Biological Chemistry, 2016, 291, 20617-20629.	1.6	25
77	EB1 interacts with outwardly curved and straight regions of the microtubule lattice. Nature Cell Biology, 2016, 18, 1102-1108.	4.6	81
78	Biophysical and Structural Characterization of the Centriolar Protein Cep104 Interaction Network. Journal of Biological Chemistry, 2016, 291, 18496-18504.	1.6	31
79	Control of apico-basal epithelial polarity by the microtubule minus-end binding protein CAMSAP3 and spectraplakin ACF7. Journal of Cell Science, 2016, 129, 4278-4288.	1.2	84
80	Structural basis for misregulation of kinesin KIF21A autoinhibition by CFEOM1 disease mutations. Scientific Reports, 2016, 6, 30668.	1.6	26
81	Centriolar CPAP/SAS-4 Imparts Slow Processive Microtubule Growth. Developmental Cell, 2016, 37, 362-376.	3.1	90
82	Termination of Protofilament Elongation by Eribulin Induces Lattice Defects that Promote Microtubule Catastrophes. Current Biology, 2016, 26, 1713-1721.	1.8	97
83	Bicaudal D Family of Motor Adaptors: Linking Dynein Motility to Cargo Binding. Trends in Cell Biology, 2016, 26, 327-340.	3.6	93
84	Dynein Regulator NDEL1 Controls Polarized Cargo Transport at the Axon Initial Segment. Neuron, 2016, 89, 461-471.	3.8	107
85	Microtubule plus-end tracking proteins in neuronal development. Cellular and Molecular Life Sciences, 2016, 73, 2053-2077.	2.4	76
86	Multisite Phosphorylation of NuMA-Related LIN-5 Controls Mitotic Spindle Positioning in C. elegans. PLoS Genetics, 2016, 12, e1006291.	1.5	16
87	Talin-KANK1 interaction controls the recruitment of cortical microtubule stabilizing complexes to focal adhesions. ELife, 2016, 5, .	2.8	150
88	<scp>SCARECROW</scp>â€<scp>LIKE</scp>23 and <scp>SCARECROW</scp> jointly specify endodermal cell fate but distinctly control <scp>SHORT</scp>â€<scp>ROOT</scp> movement. Plant Journal, 2015, 84, 773-784.	2.8	52
89	TRIM46 Controls Neuronal Polarity and Axon Specification by Driving the Formation of Parallel Microtubule Arrays. Neuron, 2015, 88, 1208-1226.	3.8	170
90	Control of microtubule organization and dynamics: two ends in the limelight. Nature Reviews Molecular Cell Biology, 2015, 16, 711-726.	16.1	733

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91	Microtubule Minus-End-Targeting Proteins. Current Biology, 2015, 25, R162-R171.	1.8	172
92	Rb and FZR1/Cdh1 determine CDK4/6-cyclin D requirement in C. elegans and human cancer cells. Nature Communications, 2015, 6, 5906.	5.8	62
93	Arabidopsis BIRD Zinc Finger Proteins Jointly Stabilize Tissue Boundaries by Confining the Cell Fate Regulator SHORT-ROOT and Contributing to Fate Specification. Plant Cell, 2015, 27, 1185-1199.	3.1	121
94	A role for Bicaudal-D2 in radial cerebellar granule cell migration. Nature Communications, 2014, 5, 3411.	5.8	44
95	Bicaudal D Family Adaptor Proteins Control the Velocity of Dynein-Based Movements. Cell Reports, 2014, 8, 1248-1256.	2.9	101
96	Actinâ€“microtubule coordination at growing microtubule ends. Nature Communications, 2014, 5, 4778.	5.8	126
97	In Vitro Reconstitution of Dynamic Microtubules Interacting with Actin Filament Networks. Methods in Enzymology, 2014, 540, 301-320.	0.4	24
98	Mechanical and Geometrical Constraints Control Kinesin-Based Microtubule Guidance. Current Biology, 2014, 24, 322-328.	1.8	24
99	Microtubule Minus-End Stabilization by Polymerization-Driven CAMSAP Deposition. Developmental Cell, 2014, 28, 295-309.	3.1	235
100	Kif7 keeps cilia tips in shape. Nature Cell Biology, 2014, 16, 623-625.	4.6	15
101	The intracellular redox protein MICAL-1 regulates the development of hippocampal mossy fibre connections. Nature Communications, 2014, 5, 4317.	5.8	49
102	Microtubule Minus-End Binding Protein CAMSAP2 Controls Axon Specification and Dendrite Development. Neuron, 2014, 82, 1058-1073.	3.8	193
103	Analysis of Microtubule Plus-End-Tracking Proteins in Cilia. Methods in Enzymology, 2013, 524, 105-122.	0.4	8
104	Dynein Recruitment to Nuclear Pores Activates Apical Nuclear Migration and Mitotic Entry in Brain Progenitor Cells. Cell, 2013, 154, 1300-1313.	13.5	158
105	CFEOM1-Associated Kinesin KIF21A Is a Cortical Microtubule Growth Inhibitor. Developmental Cell, 2013, 27, 145-160.	3.1	157
106	Centrobin regulates centrosome function in interphase cells by limiting pericentriolar matrix recruitment. Cell Cycle, 2013, 12, 899-906.	1.3	15
107	TRAK/Milton Motor-Adaptor Proteins Steer Mitochondrial Trafficking to Axons and Dendrites. Neuron, 2013, 77, 485-502.	3.8	336
108	Myosin-V Opposes Microtubule-Based Cargo Transport and Drives Directional Motility on Cortical Actin. Current Biology, 2013, 23, 828-834.	1.8	59

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109	The ALS8 protein VAPB interacts with the ERâ€“Golgi recycling protein YIF1A and regulates membrane delivery into dendrites. EMBO Journal, 2013, 32, 2056-2072.	3.5	58
110	ATIP3, a Novel Prognostic Marker of Breast Cancer Patient Survival, Limits Cancer Cell Migration and Slows Metastatic Progression by Regulating Microtubule Dynamics. Cancer Research, 2013, 73, 2905-2915.	0.4	56
111	CLASP2 interacts with p120-catenin and governs microtubule dynamics at adherens junctions. Journal of Cell Biology, 2013, 203, 1043-1061.	2.3	33
112	F-actin asymmetry and the endoplasmic reticulumâ€“associated TCC-1 protein contribute to stereotypic spindle movements in the‹i›Caenorhabditis elegans‹/i›embryo. Molecular Biology of the Cell, 2013, 24, 2201-2215.	0.9	14
113	End-binding proteins sensitize microtubules to the action of microtubule-targeting agents. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8900-8905.	3.3	101
114	Dynamic microtubules produce an asymmetric E-cadherinâ€“Bazooka complex to maintain segment boundaries. Journal of Cell Biology, 2013, 201, 887-901.	2.3	66
115	Aurora B spatially regulates EB3 phosphorylation to coordinate daughter cell adhesion with cytokinesis. Journal of Cell Biology, 2013, 201, 709-724.	2.3	54
116	Developmental and Activity-Dependent miRNA Expression Profiling in Primary Hippocampal Neuron Cultures. PLoS ONE, 2013, 8, e74907.	1.1	69
117	End Binding Proteins Are Obligatory Dimers. PLoS ONE, 2013, 8, e74448.	1.1	32
118	BICD2, dynactin, and LIS1 cooperate in regulating dynein recruitment to cellular structures. Molecular Biology of the Cell, 2012, 23, 4226-4241.	0.9	231
119	Sequence Determinants of a Microtubule Tip Localization Signal (MtLS). Journal of Biological Chemistry, 2012, 287, 28227-28242.	1.6	44
120	Vinculin associates with endothelial VE-cadherin junctions to control force-dependent remodeling. Journal of Cell Biology, 2012, 196, 641-652.	2.3	411
121	Campylobacter jejuni Translocation across Intestinal Epithelial Cells Is Facilitated by Ganglioside-Like Lipooligosaccharide Structures. Infection and Immunity, 2012, 80, 3307-3318.	1.0	39
122	Microtubule Plus-End Tracking Proteins SLAIN1/2 and ch-TOG Promote Axonal Development. Journal of Neuroscience, 2012, 32, 14722-14728a.	1.7	44
123	Cytotoxic ‹scp›T‹/scp› lymphocyte effector function is independent of nucleusâ€“centrosome dissociation. European Journal of Immunology, 2012, 42, 2132-2141.	1.6	15
124	A Proteome-wide Screen for Mammalian SxIP Motif-Containing Microtubule Plus-End Tracking Proteins. Current Biology, 2012, 22, 1800-1807.	1.8	192
125	Centralspindlin and Î±-catenin regulate Rho signalling at the epithelial zonula adherens. Nature Cell Biology, 2012, 14, 818-828.	4.6	224
126	Epothilone B inhibits migration of glioblastoma cells by inducing microtubule catastrophes and affecting EB1 accumulation at microtubule plus ends. Biochemical Pharmacology, 2012, 84, 432-443.	2.0	41

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127	Vinculin associates with endothelial VE-cadherin junctions to control force-dependent remodeling. Journal of Experimental Medicine, 2012, 209, i3-i3.	4.2	1
128	Kinesins Lead Aging Microtubules to Catastrophe. Cell, 2011, 147, 966-968.	13.5	7
129	Microtubule End Binding: EBs Sense the Guanine Nucleotide State. Current Biology, 2011, 21, R283-R285.	1.8	19
130	Rab6, Rab8, and MICAL3 Cooperate in Controlling Docking and Fusion of Exocytotic Carriers. Current Biology, 2011, 21, 967-974.	1.8	167
131	A Complex of Kif18b and MCAK Promotes Microtubule Depolymerization and Is Negatively Regulated by Aurora Kinases. Current Biology, 2011, 21, 1356-1365.	1.8	121
132	Microtubule tip-interacting proteins: a view from both ends. Current Opinion in Cell Biology, 2011, 23, 94-101.	2.6	106
133	N-WASP regulates the epithelial junctional actin cytoskeleton through a non-canonical post-nucleation pathway. Nature Cell Biology, 2011, 13, 934-943.	4.6	122
134	Differential expression of liprinâ€Î± family proteins in the brain suggests functional diversification. Journal of Comparative Neurology, 2011, 519, 3040-3060.	0.9	47
135	Regulation of localization and activity of the microtubule depolymerase MCAK. Bioarchitecture, 2011, 1, 80-87.	1.5	34
136	NMDA Receptor Activation Suppresses Microtubule Growth and Spine Entry. Journal of Neuroscience, 2011, 31, 8194-8209.	1.7	101
137	SLAIN2 links microtubule plus endâ€“tracking proteins and controls microtubule growth in interphase. Journal of Cell Biology, 2011, 193, 1083-1099.	2.3	116
138	Anna Akhmanova: Great tips on microtubules. Journal of Cell Biology, 2011, 195, 168-169.	2.3	0
139	Insights into EB1 structure and the role of its C-terminal domain for discriminating microtubule tips from the lattice. Molecular Biology of the Cell, 2011, 22, 2912-2923.	0.9	59
140	EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. Journal of Cell Science, 2011, 124, 2539-2551.	1.2	95
141	Stimulation of the CLIP-170â€“dependent capture of membrane organelles by microtubules through fine tuning of microtubule assembly dynamics. Molecular Biology of the Cell, 2011, 22, 4029-4037.	0.9	12
142	Bi-directional transport of the nucleus by dynein and kinesin-1. Communicative and Integrative Biology, 2011, 4, 21-25.	0.6	10
143	Isolation of Novel +TIPs and Their Binding Partners Using Affinity Purification Techniques. Methods in Molecular Biology, 2011, 777, 293-316.	0.4	4
144	Bi-directional transport of the nucleus by dynein and kinesin-1. Communicative and Integrative Biology, 2011, 4, 21-5.	0.6	7

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145	In Vitro Reconstitution of the Functional Interplay between MCAK and EB3 at Microtubule Plus Ends. Current Biology, 2010, 20, 1717-1722.	1.8	130
146	Linking molecular motors to membrane cargo. Current Opinion in Cell Biology, 2010, 22, 479-487.	2.6	191
147	Pericentrosomal targeting of Rab6 secretory vesicles by Bicaudal-D-related protein 1 (BICDR-1) regulates neuritogenesis. EMBO Journal, 2010, 29, 1637-1651.	3.5	144
148	Dynein at the nuclear envelope. EMBO Reports, 2010, 11, 649-649.	2.0	17
149	Microtubule +TIPs at a glance. Journal of Cell Science, 2010, 123, 3415-3419.	1.2	236
150	Dendritic Spine Plasticity: New Regulatory Roles of Dynamic Microtubules. Neuroscientist, 2010, 16, 650-661.	2.6	32
151	Microtubule Dynamics Analysis Using Kymographs and Variable-Rate Particle Filters. IEEE Transactions on Image Processing, 2010, 19, 1861-1876.	6.0	33
152	Molecular Insights into Mammalian End-binding Protein Heterodimerization. Journal of Biological Chemistry, 2010, 285, 5802-5814.	1.6	48
153	Laminin-based cell adhesion anchors microtubule plus ends to the epithelial cell basal cortex through LL5Î±/Î². Journal of Cell Biology, 2010, 189, 901-917.	2.3	74
154	Bicaudal D2, Dynein, and Kinesin-1 Associate with Nuclear Pore Complexes and Regulate Centrosome and Nuclear Positioning during Mitotic Entry. PLoS Biology, 2010, 8, e1000350.	2.6	268
155	Phosphorylation Controls Autoinhibition of Cytoplasmic Linker Protein-170. Molecular Biology of the Cell, 2010, 21, 2661-2673.	0.9	40
156	Cell and Molecular Biology of Microtubule Plus End Tracking Proteins. International Review of Cell and Molecular Biology, 2010, 285, 1-74.	1.6	57
157	Microtubule Dynamics at the Cell Cortex Probed by TIRF Microscopy. Methods in Cell Biology, 2010, 97, 91-109.	0.5	17
158	Microtubules and cadherins: a neglected partnership. Frontiers in Bioscience - Landmark, 2009, Volume, 3159.	3.0	35
159	Accurate estimation of microtubule dynamics using kymographs and variable-rate particle filters. , 2009, 2009, 1012-5.		8
160	Touch, Grasp, Deliver and Control: Functional Crossâ€Talk Between Microtubules and Cell Adhesions. Traffic, 2009, 10, 268-274.	1.3	66
161	CLIP-170-Dependent Capture of Membrane Organelles by Microtubules Initiates Minus-End Directed Transport. Developmental Cell, 2009, 17, 323-333.	3.1	75
162	An EB1-Binding Motif Acts as a Microtubule Tip Localization Signal. Cell, 2009, 138, 366-376.	13.5	594

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163	Dynamic Microtubules Regulate Dendritic Spine Morphology and Synaptic Plasticity. Neuron, 2009, 61, 85-100.	3.8	570
164	Mammalian end binding proteins control persistent microtubule growth. Journal of Cell Biology, 2009, 184, 691-706.	2.3	331
165	Regulation of microtubule dynamic instability. Biochemical Society Transactions, 2009, 37, 1007-1013.	1.6	137
166	Tracking the ends: a dynamic protein network controls the fate of microtubule tips. Nature Reviews Molecular Cell Biology, 2008, 9, 309-322.	16.1	908
167	STIM1 Is a MT-Plus-End-Tracking Protein Involved in Remodeling of the ER. Current Biology, 2008, 18, 177-182.	1.8	378
168	Capturing protein tails by CAP-Gly domains. Trends in Biochemical Sciences, 2008, 33, 535-545.	3.7	106
169	A serpin in the cellulosome of the anaerobic fungus Piromyces sp. strain E2. Mycological Research, 2008, 112, 999-1006.	2.5	34
170	Microtubule plus-end tracking proteins in differentiated mammalian cells. International Journal of Biochemistry and Cell Biology, 2008, 40, 619-637.	1.2	57
171	Organizing Junctions at the Cell-Cell Interface. Cell, 2008, 135, 791-793.	13.5	11
172	A novel mouse model with impaired dynein/dynactin function develops amyotrophic lateral sclerosis (ALS)-like features in motor neurons and improves lifespan in SOD1-ALS mice. Human Molecular Genetics, 2008, 17, 2849-2862.	1.4	77
173	Auxin transport inhibitors impair vesicle motility and actin cytoskeleton dynamics in diverse eukaryotes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4489-4494.	3.3	239
174	Dynamic behavior of GFPâ€“CLIP-170 reveals fast protein turnover on microtubule plus ends. Journal of Cell Biology, 2008, 180, 729-737.	2.3	107
175	Motor Neuron Disease-Associated Mutant Vesicle-Associated Membrane Protein-Associated Protein (VAP) B Recruits Wild-Type VAPs into Endoplasmic Reticulum-Derived Tubular Aggregates. Journal of Neuroscience, 2007, 27, 9801-9815.	1.7	203
176	Microtubule-targeting-dependent reorganization of filopodia. Journal of Cell Science, 2007, 120, 1235-1244.	1.2	52
177	Asymmetric CLASP-Dependent Nucleation of Noncentrosomal Microtubules at the trans-Golgi Network. Developmental Cell, 2007, 12, 917-930.	3.1	481
178	Rab6 Regulates Transport and Targeting of Exocytotic Carriers. Developmental Cell, 2007, 13, 305-314.	3.1	295
179	Microtubule-binding proteins CLASP1 and CLASP2 interact with actin filaments. Cytoskeleton, 2007, 64, 519-530.	4.4	93
180	Structure-function relationship of CAP-Gly domains. Nature Structural and Molecular Biology, 2007, 14, 959-967.	3.6	176

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