

Anna S Akhmanova

List of Publications by Year in descending order

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papers

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8755

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412
all docs

412
docs citations

412
times ranked

18012
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking the ends: a dynamic protein network controls the fate of microtubule tips. Nature Reviews Molecular Cell Biology, 2008, 9, 309-322.	37.0	908
2	Control of microtubule organization and dynamics: two ends in the limelight. Nature Reviews Molecular Cell Biology, 2015, 16, 711-726.	37.0	733
3	Visualization of Microtubule Growth in Cultured Neurons via the Use of EB3-GFP (End-Binding Protein) Tj ETQq1 1 0.784314 rgBT /Ov 3.6 624	37.0	733
4	An EB1-Binding Motif Acts as a Microtubule Tip Localization Signal. Cell, 2009, 138, 366-376.	28.9	594
5	Dynamic Microtubules Regulate Dendritic Spine Morphology and Synaptic Plasticity. Neuron, 2009, 61, 85-100.	8.1	570
6	Asymmetric CLASP-Dependent Nucleation of Noncentrosomal Microtubules at the trans-Golgi Network. Developmental Cell, 2007, 12, 917-930.	7.0	481
7	CLASPs Are CLIP-115 and -170 Associating Proteins Involved in the Regional Regulation of Microtubule Dynamics in Motile Fibroblasts. Cell, 2001, 104, 923-935.	28.9	462
8	Vinculin associates with endothelial VE-cadherin junctions to control force-dependent remodeling. Journal of Cell Biology, 2012, 196, 641-652.	5.2	411
9	CLASP1 and CLASP2 bind to EB1 and regulate microtubule plus-end dynamics at the cell cortex. Journal of Cell Biology, 2005, 168, 141-153.	5.2	409
10	STIM1 Is a MT-Plus-End-Tracking Protein Involved in Remodeling of the ER. Current Biology, 2008, 18, 177-182.	3.9	378
11	Bicaudal-D regulates COPI-independent Golgiâ€“ER transport by recruiting the dyneinâ€“dynactin motor complex. Nature Cell Biology, 2002, 4, 986-992.	10.3	357
12	TRAK/Milton Motor-Adaptor Proteins Steer Mitochondrial Trafficking to Axons and Dendrites. Neuron, 2013, 77, 485-502.	8.1	336
13	Mammalian end binding proteins control persistent microtubule growth. Journal of Cell Biology, 2009, 184, 691-706.	5.2	331
14	Rab6 Regulates Transport and Targeting of Exocytotic Carriers. Developmental Cell, 2007, 13, 305-314.	7.0	295
15	CLASPs Attach Microtubule Plus Ends to the Cell Cortex through a Complex with LL5â€“2. Developmental Cell, 2006, 11, 21-32.	7.0	288
16	Microtubule plus-end-tracking proteins: mechanisms and functions. Current Opinion in Cell Biology, 2005, 17, 47-54.	5.4	278
17	A hydrogenosome with a genome. Nature, 1998, 396, 527-528.	27.8	270
18	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.	5.6	268

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19	Auxin transport inhibitors impair vesicle motility and actin cytoskeleton dynamics in diverse eukaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4489-4494.	7.1	239
20	Microtubule +TIPs at a glance. <i>Journal of Cell Science</i> , 2010, 123, 3415-3419.	2.0	236
21	Microtubule Minus-End Stabilization by Polymerization-Driven CAMSAP Deposition. <i>Developmental Cell</i> , 2014, 28, 295-309.	7.0	235
22	BICD2, dynactin, and LIS1 cooperate in regulating dynein recruitment to cellular structures. <i>Molecular Biology of the Cell</i> , 2012, 23, 4226-4241.	2.1	231
23	Cytoplasmic linker proteins promote microtubule rescue in vivo. <i>Journal of Cell Biology</i> , 2002, 159, 589-599.	5.2	224
24	Centralspindlin and β -catenin regulate Rho signalling at the epithelial zonula adherens. <i>Nature Cell Biology</i> , 2012, 14, 818-828.	10.3	224
25	LIS1, CLIP-170's Key to the Dynein/Dynactin Pathway. <i>Molecular and Cellular Biology</i> , 2002, 22, 3089-3102.	2.3	222
26	Microtubule Plus End: A Hub of Cellular Activities. <i>Traffic</i> , 2006, 7, 499-507.	2.7	205
27	Motor Neuron Disease-Associated Mutant Vesicle-Associated Membrane Protein-Associated Protein (VAP) B Recruits Wild-Type VAPs into Endoplasmic Reticulum-Derived Tubular Aggregates. <i>Journal of Neuroscience</i> , 2007, 27, 9801-9815.	3.6	203
28	Combined CRISPRi/a-Based Chemical Genetic Screens Reveal that Rigosertib Is a Microtubule-Destabilizing Agent. <i>Molecular Cell</i> , 2017, 68, 210-223.e6.	9.7	197
29	Bicaudal D induces selective dynein-mediated microtubule minus end-directed transport. <i>EMBO Journal</i> , 2003, 22, 6004-6015.	7.8	196
30	Microtubule Minus-End Binding Protein CAMSAP2 Controls Axon Specification and Dendrite Development. <i>Neuron</i> , 2014, 82, 1058-1073.	8.1	193
31	A Proteome-wide Screen for Mammalian SxIP Motif-Containing Microtubule Plus-End Tracking Proteins. <i>Current Biology</i> , 2012, 22, 1800-1807.	3.9	192
32	Linking molecular motors to membrane cargo. <i>Current Opinion in Cell Biology</i> , 2010, 22, 479-487.	5.4	191
33	EB1 and EB3 Control CLIP Dissociation from the Ends of Growing Microtubules. <i>Molecular Biology of the Cell</i> , 2005, 16, 5334-5345.	2.1	182
34	Structure-function relationship of CAP-Gly domains. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 959-967.	8.2	176
35	Microtubule Minus-End-Targeting Proteins. <i>Current Biology</i> , 2015, 25, R162-R171.	3.9	172
36	TRIM46 Controls Neuronal Polarity and Axon Specification by Driving the Formation of Parallel Microtubule Arrays. <i>Neuron</i> , 2015, 88, 1208-1226.	8.1	170

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37	Microtubule-Organizing Centers. Annual Review of Cell and Developmental Biology, 2017, 33, 51-75.	9.4	169
38	Dynamic microtubules regulate the local concentration of E-cadherin at cell-cell contacts. Journal of Cell Science, 2006, 119, 1801-1811.	2.0	167
39	Rab6, Rab8, and MICAL3 Cooperate in Controlling Docking and Fusion of Exocytotic Carriers. Current Biology, 2011, 21, 967-974.	3.9	167
40	Targeted mutation of Cln2 in the Williams syndrome critical region links CLIP-115 haploinsufficiency to neurodevelopmental abnormalities in mice. Nature Genetics, 2002, 32, 116-127.	21.4	163
41	Conformational changes in CLIP-170 regulate its binding to microtubules and dynactin localization. Journal of Cell Biology, 2004, 166, 1003-1014.	5.2	159
42	Role of CLASP2 in Microtubule Stabilization and the Regulation of Persistent Motility. Current Biology, 2006, 16, 2259-2264.	3.9	159
43	Dynein Recruitment to Nuclear Pores Activates Apical Nuclear Migration and Mitotic Entry in Brain Progenitor Cells. Cell, 2013, 154, 1300-1313.	28.9	158
44	CFEOM1-Associated Kinesin KIF21A Is a Cortical Microtubule Growth Inhibitor. Developmental Cell, 2013, 27, 145-160.	7.0	157
45	Talin-KANK1 interaction controls the recruitment of cortical microtubule stabilizing complexes to focal adhesions. Elife, 2016, 5, .	6.0	150
46	Microtubule minus-end regulation at spindle poles by an ASPM-katanin complex. Nature Cell Biology, 2017, 19, 480-492.	10.3	147
47	Pericentrosomal targeting of Rab6 secretory vesicles by Bicaudal-D-related protein 1 (BICDR-1) regulates neuritogenesis. EMBO Journal, 2010, 29, 1637-1651.	7.8	144
48	Regulation of microtubule dynamic instability. Biochemical Society Transactions, 2009, 37, 1007-1013.	3.4	137
49	MAP2 Defines a Pre-axonal Filtering Zone to Regulate KIF1- versus KIF5-Dependent Cargo Transport in Sensory Neurons. Neuron, 2017, 94, 347-362.e7.	8.1	134
50	In Vitro Reconstitution of the Functional Interplay between MCAK and EB3 at Microtubule Plus Ends. Current Biology, 2010, 20, 1717-1722.	3.9	130
51	Actin-microtubule coordination at growing microtubule ends. Nature Communications, 2014, 5, 4778.	12.8	126
52	Hydrogenosomes: eukaryotic adaptations to anaerobic environments. Trends in Microbiology, 1999, 7, 441-447.	7.7	124
53	N-WASP regulates the epithelial junctional actin cytoskeleton through a non-canonical post-nucleation pathway. Nature Cell Biology, 2011, 13, 934-943.	10.3	122
54	A Complex of Kif18b and MCAK Promotes Microtubule Depolymerization and Is Negatively Regulated by Aurora Kinases. Current Biology, 2011, 21, 1356-1365.	3.9	121

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55	Arabidopsis BIRD Zinc Finger Proteins Jointly Stabilize Tissue Boundaries by Confining the Cell Fate Regulator SHORT-ROOT and Contributing to Fate Specification. <i>Plant Cell</i> , 2015, 27, 1185-1199.	6.6	121
56	Xylose metabolism in the anaerobic fungus <i>Piromyces</i> sp. strain E2 follows the bacterial pathway. <i>Archives of Microbiology</i> , 2003, 180, 134-141.	2.2	117
57	SLAIN2 links microtubule plus endâ€“tracking proteins and controls microtubule growth in interphase. <i>Journal of Cell Biology</i> , 2011, 193, 1083-1099.	5.2	116
58	Molecular Pathway of Microtubule Organization at the Golgi Apparatus. <i>Developmental Cell</i> , 2016, 39, 44-60.	7.0	114
59	MAP7 family proteins regulate kinesin-1 recruitment and activation. <i>Journal of Cell Biology</i> , 2019, 218, 1298-1318.	5.2	114
60	CLASP Suppresses Microtubule Catastrophes through a Single TOG Domain. <i>Developmental Cell</i> , 2018, 46, 40-58.e8.	7.0	110
61	Dynamic behavior of GFPâ€“CLIP-170 reveals fast protein turnover on microtubule plus ends. <i>Journal of Cell Biology</i> , 2008, 180, 729-737.	5.2	107
62	Dynein Regulator NDEL1 Controls Polarized Cargo Transport at the Axon Initial Segment. <i>Neuron</i> , 2016, 89, 461-471.	8.1	107
63	Capturing protein tails by CAP-Gly domains. <i>Trends in Biochemical Sciences</i> , 2008, 33, 535-545.	7.5	106
64	Microtubule tip-interacting proteins: a view from both ends. <i>Current Opinion in Cell Biology</i> , 2011, 23, 94-101.	5.4	106
65	Microtubules in 3D cell motility. <i>Journal of Cell Science</i> , 2017, 130, 39-50.	2.0	102
66	The microtubule plus-end-tracking protein CLIP-170 associates with the spermatid manchette and is essential for spermatogenesis. <i>Genes and Development</i> , 2005, 19, 2501-2515.	5.9	101
67	NMDA Receptor Activation Suppresses Microtubule Growth and Spine Entry. <i>Journal of Neuroscience</i> , 2011, 31, 8194-8209.	3.6	101
68	End-binding proteins sensitize microtubules to the action of microtubule-targeting agents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8900-8905.	7.1	101
69	Bicaudal D Family Adaptor Proteins Control the Velocity of Dynein-Based Movements. <i>Cell Reports</i> , 2014, 8, 1248-1256.	6.4	101
70	Multiple origins of hydrogenosomes: functional and phylogenetic evidence from the ADP/ATP carrier of the anaerobic chytrid <i>Neocallimastix</i> sp.. <i>Molecular Microbiology</i> , 2002, 44, 1441-1454.	2.5	100
71	The anaerobic chytridiomycete fungus <i>Piromyces</i> sp. E2 produces ethanol via pyruvate:formate lyase and an alcohol dehydrogenase E. <i>Molecular Microbiology</i> , 2004, 51, 1389-1399.	2.5	100
72	Termination of Protofilament Elongation by Eribulin Induces Lattice Defects that Promote Microtubule Catastrophes. <i>Current Biology</i> , 2016, 26, 1713-1721.	3.9	97

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73	EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. <i>Journal of Cell Science</i> , 2011, 124, 2539-2551.	2.0	95
74	Microtubule-binding proteins CLASP1 and CLASP2 interact with actin filaments. <i>Cytoskeleton</i> , 2007, 64, 519-530.	4.4	93
75	Bicaudal D Family of Motor Adaptors: Linking Dynein Motility to Cargo Binding. <i>Trends in Cell Biology</i> , 2016, 26, 327-340.	7.9	93
76	Centriolar CPAP/SAS-4 Imparts Slow Processive Microtubule Growth. <i>Developmental Cell</i> , 2016, 37, 362-376.	7.0	90
77	Deconvolution of Buparlisib's mechanism of action defines specific PI3K and tubulin inhibitors for therapeutic intervention. <i>Nature Communications</i> , 2017, 8, 14683.	12.8	88
78	A structural model for microtubule minus-end recognition and protection by CAMSAP proteins. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 931-943.	8.2	86
79	Control of apico-basal epithelial polarity by the microtubule minus-end binding protein CAMSAP3 and spectraplak α ACF7. <i>Journal of Cell Science</i> , 2016, 129, 4278-4288.	2.0	84
80	LIMK1 and CLIP-115: linking cytoskeletal defects to Williams syndrome. <i>BioEssays</i> , 2004, 26, 141-150.	2.5	83
81	EB1 interacts with outwardly curved and straight regions of the microtubule lattice. <i>Nature Cell Biology</i> , 2016, 18, 1102-1108.	10.3	81
82	Generation and regulation of microtubule network asymmetry to drive cell polarity. <i>Current Opinion in Cell Biology</i> , 2020, 62, 86-95.	5.4	81
83	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. <i>Human Molecular Genetics</i> , 2008, 17, 2849-2862.	2.9	77
84	Microtubule plus-end tracking proteins in neuronal development. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2053-2077.	5.4	76
85	EB1 and EB3 regulate microtubule minus end organization and Golgi morphology. <i>Journal of Cell Biology</i> , 2017, 216, 3179-3198.	5.2	76
86	CLIP-170-Dependent Capture of Membrane Organelles by Microtubules Initiates Minus-End Directed Transport. <i>Developmental Cell</i> , 2009, 17, 323-333.	7.0	75
87	Laminin-based cell adhesion anchors microtubule plus ends to the epithelial cell basal cortex through α 5 β 1. <i>Journal of Cell Biology</i> , 2010, 189, 901-917.	5.2	74
88	A hydrogenosome with pyruvate formate-lyase: anaerobic chytrid fungi use an alternative route for pyruvate catabolism. <i>Molecular Microbiology</i> , 1999, 32, 1103-1114.	2.5	71
89	Visualizing cellular and tissue ultrastructure using Ten-fold Robust Expansion Microscopy (TReX). <i>ELife</i> , 2022, 11, .	6.0	70
90	Developmental and Activity-Dependent miRNA Expression Profiling in Primary Hippocampal Neuron Cultures. <i>PLoS ONE</i> , 2013, 8, e74907.	2.5	69

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91	Mesenchymal Cell Invasion Requires Cooperative Regulation of Persistent Microtubule Growth by SLAIN2 and CLASP1. <i>Developmental Cell</i> , 2016, 39, 708-723.	7.0	69
92	Optogenetic dissection of mitotic spindle positioning in vivo. <i>ELife</i> , 2018, 7, .	6.0	69
93	Hydrogenosomes: convergent adaptations of mitochondria to anaerobic environments. <i>Zoology</i> , 2001, 104, 290-302.	1.2	68
94	Microtubule minus-end regulation at a glance. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	67
95	Touch, Grasp, Deliver and Control: Functional Cross-Talk Between Microtubules and Cell Adhesions. <i>Traffic</i> , 2009, 10, 268-274.	2.7	66
96	Dynamic microtubules produce an asymmetric E-cadherin-Bazooka complex to maintain segment boundaries. <i>Journal of Cell Biology</i> , 2013, 201, 887-901.	5.2	66
97	Probing cytoskeletal modulation of passive and active intracellular dynamics using nanobody-functionalized quantum dots. <i>Nature Communications</i> , 2017, 8, 14772.	12.8	65
98	A highly expressed family 1 β -glucosidase with transglycosylation capacity from the anaerobic fungus <i>Piromyces</i> sp. E2. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1574, 293-303.	2.4	63
99	Rb and FZR1/Cdh1 determine CDK4/6-cyclin D requirement in <i>C. elegans</i> and human cancer cells. <i>Nature Communications</i> , 2015, 6, 5906.	12.8	62
100	Structure and expression of histone H3.3 genes in <i>Drosophila melanogaster</i> and <i>Drosophila hydei</i> . <i>Genome</i> , 1995, 38, 586-600.	2.0	59
101	A Mitochondrial Ancestry of the Hydrogenosomes of <i>Nyctotherus ovalis</i> . <i>Molecular Biology and Evolution</i> , 2000, 17, 202-206.	8.9	59
102	A role for the Rab6B Bicaudal-D1 interaction in retrograde transport in neuronal cells. <i>Experimental Cell Research</i> , 2007, 313, 3408-3420.	2.6	59
103	Insights into EB1 structure and the role of its C-terminal domain for discriminating microtubule tips from the lattice. <i>Molecular Biology of the Cell</i> , 2011, 22, 2912-2923.	2.1	59
104	Myosin-V Opposes Microtubule-Based Cargo Transport and Drives Directional Motility on Cortical Actin. <i>Current Biology</i> , 2013, 23, 828-834.	3.9	59
105	A hydrogenosomal [Fe]-hydrogenase from the anaerobic chytrid <i>Neocallimastix</i> sp. L2. <i>Gene</i> , 2002, 284, 103-112.	2.2	58
106	The ALS8 protein VAPB interacts with the ER-Golgi recycling protein YIF1A and regulates membrane delivery into dendrites. <i>EMBO Journal</i> , 2013, 32, 2056-2072.	7.8	58
107	Control of endothelial cell polarity and sprouting angiogenesis by non-centrosomal microtubules. <i>ELife</i> , 2018, 7, .	6.0	58
108	Microtubule plus-end tracking proteins in differentiated mammalian cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 619-637.	2.8	57

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109	Cell and Molecular Biology of Microtubule Plus End Tracking Proteins. International Review of Cell and Molecular Biology, 2010, 285, 1-74.	3.2	57
110	Linking cortical microtubule attachment and exocytosis. F1000Research, 2017, 6, 469.	1.6	57
111	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.	0.9	56
112	Coming into Focus: Mechanisms of Microtubule Minus-End Organization. Trends in Cell Biology, 2018, 28, 574-588.	7.9	56
113	KIF13B establishes a CAV1-enriched microdomain at the ciliary transition zone to promote Sonic hedgehog signalling. Nature Communications, 2017, 8, 14177.	12.8	55
114	Aurora B spatially regulates EB3 phosphorylation to coordinate daughter cell adhesion with cytokinesis. Journal of Cell Biology, 2013, 201, 709-724.	5.2	54
115	Feedback-Driven Assembly of the Axon Initial Segment. Neuron, 2019, 104, 305-321.e8.	8.1	54
116	Publishing in the time of COVID-19. ELife, 2020, 9, .	6.0	54
117	Mechanisms of microtubule organization in differentiated animal cells. Nature Reviews Molecular Cell Biology, 2022, 23, 541-558.	37.0	54
118	Mammalian CLASPs are required for mitotic spindle organization and kinetochore alignment. Genes To Cells, 2006, 11, 845-857.	1.2	52
119	Microtubule-targeting-dependent reorganization of filopodia. Journal of Cell Science, 2007, 120, 1235-1244.	2.0	52
120	<scp>SCARECROW</scp> and <scp>LIKE</scp> jointly specify endodermal cell fate but distinctly control <scp>SHORT</scp> movement. Plant Journal, 2015, 84, 773-784.	5.7	52
121	Photoswitchable paclitaxel-based microtubule stabilisers allow optical control over the microtubule cytoskeleton. Nature Communications, 2020, 11, 4640.	12.8	52
122	Kinesin-4 KIF21B is a potent microtubule pausing factor. ELife, 2017, 6, .	6.0	51
123	CLASP Mediates Microtubule Repair by Restricting Lattice Damage and Regulating Tubulin Incorporation. Current Biology, 2020, 30, 2175-2183.e6.	3.9	50
124	The intracellular redox protein MICAL-1 regulates the development of hippocampal mossy fibre connections. Nature Communications, 2014, 5, 4317.	12.8	49
125	Molecular Insights into Mammalian End-binding Protein Heterodimerization. Journal of Biological Chemistry, 2010, 285, 5802-5814.	3.4	48
126	Differential expression of liprin family proteins in the brain suggests functional diversification. Journal of Comparative Neurology, 2011, 519, 3040-3060.	1.6	47

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127	Structural Basis of Formation of the Microtubule Minus-End-Regulating CAMSAP-Katanin Complex. <i>Structure</i> , 2018, 26, 375-382.e4.	3.3	47
128	Concerted action of kinesins KIF5B and KIF13B promotes efficient secretory vesicle transport to microtubule plus ends. <i>ELife</i> , 2020, 9, .	6.0	46
129	Cytolinker Gas2L1 regulates axon morphology through microtubule-modulated actin stabilization. <i>EMBO Reports</i> , 2019, 20, e47732.	4.5	45
130	Cytosolic enzymes with a mitochondrial ancestry from the anaerobic chytrid <i>Piromyces</i> sp. E2. <i>Molecular Microbiology</i> , 1998, 30, 1017-1027.	2.5	44
131	Sequence Determinants of a Microtubule Tip Localization Signal (MtLS). <i>Journal of Biological Chemistry</i> , 2012, 287, 28227-28242.	3.4	44
132	Microtubule Plus-End Tracking Proteins SLAIN1/2 and ch-TOG Promote Axonal Development. <i>Journal of Neuroscience</i> , 2012, 32, 14722-14728a.	3.6	44
133	A role for Bicaudal-D2 in radial cerebellar granule cell migration. <i>Nature Communications</i> , 2014, 5, 3411.	12.8	44
134	Taxanes convert regions of perturbed microtubule growth into rescue sites. <i>Nature Materials</i> , 2020, 19, 355-365.	27.5	44
135	A Robust, GFP-Orthogonal Photoswitchable Inhibitor Scaffold Extends Optical Control over the Microtubule Cytoskeleton. <i>Cell Chemical Biology</i> , 2021, 28, 228-241.e6.	5.2	43
136	MKLP2 Is a Motile Kinesin that Transports the Chromosomal Passenger Complex during Anaphase. <i>Current Biology</i> , 2020, 30, 2628-2637.e9.	3.9	42
137	Epothilone B inhibits migration of glioblastoma cells by inducing microtubule catastrophes and affecting EB1 accumulation at microtubule plus ends. <i>Biochemical Pharmacology</i> , 2012, 84, 432-443.	4.4	41
138	Phosphorylation Controls Autoinhibition of Cytoplasmic Linker Protein-170. <i>Molecular Biology of the Cell</i> , 2010, 21, 2661-2673.	2.1	40
139	<i>Campylobacter jejuni</i> Translocation across Intestinal Epithelial Cells Is Facilitated by Ganglioside-Like Lipooligosaccharide Structures. <i>Infection and Immunity</i> , 2012, 80, 3307-3318.	2.2	39
140	Two populations of cytoplasmic dynein contribute to spindle positioning in <i>C. elegans</i> embryos. <i>Journal of Cell Biology</i> , 2017, 216, 2777-2793.	5.2	39
141	Short Linear Sequence Motif LxxPTPh Targets Diverse Proteins to Growing Microtubule Ends. <i>Structure</i> , 2017, 25, 924-932.e4.	3.3	37
142	Tipping microtubule dynamics, one protofilament at a time. <i>Current Opinion in Cell Biology</i> , 2018, 50, 86-93.	5.4	37
143	The localization of histone H3.3 in germ line chromatin of <i>Drosophila</i> males as established with a histone H3.3-specific antiserum. <i>Chromosoma</i> , 1997, 106, 335-347.	2.2	36
144	Structural determinants of microtubule minus end preference in CAMSAP CKK domains. <i>Nature Communications</i> , 2019, 10, 5236.	12.8	36

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145	Microtubules and cadherins: a neglected partnership. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 3159.	3.0	35
146	MAP7D2 Localizes to the Proximal Axon and Locally Promotes Kinesin-1-Mediated Cargo Transport into the Axon. <i>Cell Reports</i> , 2019, 26, 1988-1999.e6.	6.4	35
147	Identification and characterization of the <i>Drosophila</i> histone H4 replacement gene. <i>FEBS Letters</i> , 1996, 388, 219-222.	2.8	34
148	A serpin in the cellulosome of the anaerobic fungus <i>Piromyces</i> sp. strain E2. <i>Mycological Research</i> , 2008, 112, 999-1006.	2.5	34
149	Regulation of localization and activity of the microtubule depolymerase MCAK. <i>Bioarchitecture</i> , 2011, 1, 80-87.	1.5	34
150	Force-Dependent Regulation of Talin-KANK1 Complex at Focal Adhesions. <i>Nano Letters</i> , 2019, 19, 5982-5990.	9.1	34
151	A CEP104-CSPP1 Complex Is Required for Formation of Primary Cilia Competent in Hedgehog Signaling. <i>Cell Reports</i> , 2019, 28, 1907-1922.e6.	6.4	34
152	Pyrrole Hemithioindigo Antimitotics with Near-Quantitative Bidirectional Photoswitching that Photocontrol Cellular Microtubule Dynamics with Single-Cell Precision**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23695-23704.	13.8	34
153	Microtubule Dynamics Analysis Using Kymographs and Variable-Rate Particle Filters. <i>IEEE Transactions on Image Processing</i> , 2010, 19, 1861-1876.	9.8	33
154	CLASP2 interacts with p120-catenin and governs microtubule dynamics at adherens junctions. <i>Journal of Cell Biology</i> , 2013, 203, 1043-1061.	5.2	33
155	Dendritic Spine Plasticity: New Regulatory Roles of Dynamic Microtubules. <i>Neuroscientist</i> , 2010, 16, 650-661.	3.5	32
156	End Binding Proteins Are Obligatory Dimers. <i>PLoS ONE</i> , 2013, 8, e74448.	2.5	32
157	Biophysical and Structural Characterization of the Centriolar Protein Cep104 Interaction Network. <i>Journal of Biological Chemistry</i> , 2016, 291, 18496-18504.	3.4	31
158	GAS2L1 Is a Centriole-Associated Protein Required for Centrosome Dynamics and Disjunction. <i>Developmental Cell</i> , 2017, 40, 81-94.	7.0	31
159	Systematic identification of recognition motifs for the hub protein LC8. <i>Life Science Alliance</i> , 2019, 2, e201900366.	2.8	31
160	Mechanisms of Motor-Independent Membrane Remodeling Driven by Dynamic Microtubules. <i>Current Biology</i> , 2020, 30, 972-987.e12.	3.9	30
161	A drug discovery platform to identify compounds that inhibit EGFR triple mutants. <i>Nature Chemical Biology</i> , 2020, 16, 577-586.	8.0	30
162	Kinesin-4 KIF21B limits microtubule growth to allow rapid centrosome polarization in T cells. <i>ELife</i> , 2020, 9, .	6.0	29

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