

Anna S Akhmanova

List of Publications by Year in descending order

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225
papers

21,992
citations

10070

75
h-index

13635

134
g-index

412
all docs

412
docs citations

412
times ranked

19898
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking the ends: a dynamic protein network controls the fate of microtubule tips. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 309-322.	16.1	908
2	Control of microtubule organization and dynamics: two ends in the limelight. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 711-726.	16.1	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 1.7 624	13.5	594
4	An EB1-Binding Motif Acts as a Microtubule Tip Localization Signal. <i>Cell</i> , 2009, 138, 366-376.	13.5	594
5	Dynamic Microtubules Regulate Dendritic Spine Morphology and Synaptic Plasticity. <i>Neuron</i> , 2009, 61, 85-100.	3.8	570
6	Asymmetric CLASP-Dependent Nucleation of Noncentrosomal Microtubules at the trans-Golgi Network. <i>Developmental Cell</i> , 2007, 12, 917-930.	3.1	481
7	CLASPs Are CLIP-115 and -170 Associating Proteins Involved in the Regional Regulation of Microtubule Dynamics in Motile Fibroblasts. <i>Cell</i> , 2001, 104, 923-935.	13.5	462
8	Vinculin associates with endothelial VE-cadherin junctions to control force-dependent remodeling. <i>Journal of Cell Biology</i> , 2012, 196, 641-652.	2.3	411
9	CLASP1 and CLASP2 bind to EB1 and regulate microtubule plus-end dynamics at the cell cortex. <i>Journal of Cell Biology</i> , 2005, 168, 141-153.	2.3	409
10	STIM1 Is a MT-Plus-End-Tracking Protein Involved in Remodeling of the ER. <i>Current Biology</i> , 2008, 18, 177-182.	1.8	378
11	Bicaudal-D regulates COPI-independent Golgiâ€“ER transport by recruiting the dyneinâ€“dynactin motor complex. <i>Nature Cell Biology</i> , 2002, 4, 986-992.	4.6	357
12	TRAK/Milton Motor-Adaptor Proteins Steer Mitochondrial Trafficking to Axons and Dendrites. <i>Neuron</i> , 2013, 77, 485-502.	3.8	336
13	Mammalian end binding proteins control persistent microtubule growth. <i>Journal of Cell Biology</i> , 2009, 184, 691-706.	2.3	331
14	Rab6 Regulates Transport and Targeting of Exocytotic Carriers. <i>Developmental Cell</i> , 2007, 13, 305-314.	3.1	295
15	CLASPs Attach Microtubule Plus Ends to the Cell Cortex through a Complex with LL5Î². <i>Developmental Cell</i> , 2006, 11, 21-32.	3.1	288
16	Microtubule plus-end-tracking proteins: mechanisms and functions. <i>Current Opinion in Cell Biology</i> , 2005, 17, 47-54.	2.6	278
17	A hydrogenosome with a genome. <i>Nature</i> , 1998, 396, 527-528.	13.7	270
18	Bicaudal D2, Dynein, and Kinesin-1 Associate with Nuclear Pore Complexes and Regulate Centrosome and Nuclear Positioning during Mitotic Entry. <i>PLoS Biology</i> , 2010, 8, e1000350.	2.6	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.	3.3	239
20	Microtubule +TIPs at a glance. <i>Journal of Cell Science</i> , 2010, 123, 3415-3419.	1.2	236
21	Microtubule Minus-End Stabilization by Polymerization-Driven CAMSAP Deposition. <i>Developmental Cell</i> , 2014, 28, 295-309.	3.1	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.	0.9	231
23	Cytoplasmic linker proteins promote microtubule rescue in vivo. <i>Journal of Cell Biology</i> , 2002, 159, 589-599.	2.3	224
24	Centralspindlin and $\hat{\pm}$ -catenin regulate Rho signalling at the epithelial zonula adherens. <i>Nature Cell Biology</i> , 2012, 14, 818-828.	4.6	224
25	LIS1, CLIP-170's Key to the Dynein/Dynactin Pathway. <i>Molecular and Cellular Biology</i> , 2002, 22, 3089-3102.	1.1	222
26	Microtubule Plus End: A Hub of Cellular Activities. <i>Traffic</i> , 2006, 7, 499-507.	1.3	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.	1.7	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.	4.5	197
29	Bicaudal D induces selective dynein-mediated microtubule minus end-directed transport. <i>EMBO Journal</i> , 2003, 22, 6004-6015.	3.5	196
30	Microtubule Minus-End Binding Protein CAMSAP2 Controls Axon Specification and Dendrite Development. <i>Neuron</i> , 2014, 82, 1058-1073.	3.8	193
31	A Proteome-wide Screen for Mammalian SxIP Motif-Containing Microtubule Plus-End Tracking Proteins. <i>Current Biology</i> , 2012, 22, 1800-1807.	1.8	192
32	Linking molecular motors to membrane cargo. <i>Current Opinion in Cell Biology</i> , 2010, 22, 479-487.	2.6	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.	0.9	182
34	Structure-function relationship of CAP-Gly domains. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 959-967.	3.6	176
35	Microtubule Minus-End-Targeting Proteins. <i>Current Biology</i> , 2015, 25, R162-R171.	1.8	172
36	TRIM46 Controls Neuronal Polarity and Axon Specification by Driving the Formation of Parallel Microtubule Arrays. <i>Neuron</i> , 2015, 88, 1208-1226.	3.8	170

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37	Microtubule-Organizing Centers. <i>Annual Review of Cell and Developmental Biology</i> , 2017, 33, 51-75.	4.0	169
38	Dynamic microtubules regulate the local concentration of E-cadherin at cell-cell contacts. <i>Journal of Cell Science</i> , 2006, 119, 1801-1811.	1.2	167
39	Rab6, Rab8, and MICAL3 Cooperate in Controlling Docking and Fusion of Exocytotic Carriers. <i>Current Biology</i> , 2011, 21, 967-974.	1.8	167
40	Targeted mutation of Cyn2 in the Williams syndrome critical region links CLIP-115 haploinsufficiency to neurodevelopmental abnormalities in mice. <i>Nature Genetics</i> , 2002, 32, 116-127.	9.4	163
41	Conformational changes in CLIP-170 regulate its binding to microtubules and dynactin localization. <i>Journal of Cell Biology</i> , 2004, 166, 1003-1014.	2.3	159
42	Role of CLASP2 in Microtubule Stabilization and the Regulation of Persistent Motility. <i>Current Biology</i> , 2006, 16, 2259-2264.	1.8	159
43	Dynein Recruitment to Nuclear Pores Activates Apical Nuclear Migration and Mitotic Entry in Brain Progenitor Cells. <i>Cell</i> , 2013, 154, 1300-1313.	13.5	158
44	CFEOM1-Associated Kinesin KIF21A Is a Cortical Microtubule Growth Inhibitor. <i>Developmental Cell</i> , 2013, 27, 145-160.	3.1	157
45	Talin-KANK1 interaction controls the recruitment of cortical microtubule stabilizing complexes to focal adhesions. <i>ELife</i> , 2016, 5, .	2.8	150
46	Microtubule minus-end regulation at spindle poles by an ASPM-katanin complex. <i>Nature Cell Biology</i> , 2017, 19, 480-492.	4.6	147
47	Pericentrosomal targeting of Rab6 secretory vesicles by Bicaudal-D-related protein 1 (BICDR-1) regulates neuritogenesis. <i>EMBO Journal</i> , 2010, 29, 1637-1651.	3.5	144
48	Regulation of microtubule dynamic instability. <i>Biochemical Society Transactions</i> , 2009, 37, 1007-1013.	1.6	137
49	MAP2 Defines a Pre-axonal Filtering Zone to Regulate KIF1- versus KIF5-Dependent Cargo Transport in Sensory Neurons. <i>Neuron</i> , 2017, 94, 347-362.e7.	3.8	134
50	In Vitro Reconstitution of the Functional Interplay between MCAK and EB3 at Microtubule Plus Ends. <i>Current Biology</i> , 2010, 20, 1717-1722.	1.8	130
51	Actin-microtubule coordination at growing microtubule ends. <i>Nature Communications</i> , 2014, 5, 4778.	5.8	126
52	Hydrogenosomes: eukaryotic adaptations to anaerobic environments. <i>Trends in Microbiology</i> , 1999, 7, 441-447.	3.5	124
53	N-WASP regulates the epithelial junctional actin cytoskeleton through a non-canonical post-nucleation pathway. <i>Nature Cell Biology</i> , 2011, 13, 934-943.	4.6	122
54	A Complex of Kif18b and MCAK Promotes Microtubule Depolymerization and Is Negatively Regulated by Aurora Kinases. <i>Current Biology</i> , 2011, 21, 1356-1365.	1.8	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.	3.1	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.	1.0	117
57	SLAIN2 links microtubule plus end-tracking proteins and controls microtubule growth in interphase. <i>Journal of Cell Biology</i> , 2011, 193, 1083-1099.	2.3	116
58	Molecular Pathway of Microtubule Organization at the Golgi Apparatus. <i>Developmental Cell</i> , 2016, 39, 44-60.	3.1	114
59	MAP7 family proteins regulate kinesin-1 recruitment and activation. <i>Journal of Cell Biology</i> , 2019, 218, 1298-1318.	2.3	114
60	CLASP Suppresses Microtubule Catastrophes through a Single TOG Domain. <i>Developmental Cell</i> , 2018, 46, 40-58.e8.	3.1	110
61	Dynamic behavior of GFP-CLIP-170 reveals fast protein turnover on microtubule plus ends. <i>Journal of Cell Biology</i> , 2008, 180, 729-737.	2.3	107
62	Dynein Regulator NDEL1 Controls Polarized Cargo Transport at the Axon Initial Segment. <i>Neuron</i> , 2016, 89, 461-471.	3.8	107
63	Capturing protein tails by CAP-Gly domains. <i>Trends in Biochemical Sciences</i> , 2008, 33, 535-545.	3.7	106
64	Microtubule tip-interacting proteins: a view from both ends. <i>Current Opinion in Cell Biology</i> , 2011, 23, 94-101.	2.6	106
65	Microtubules in 3D cell motility. <i>Journal of Cell Science</i> , 2017, 130, 39-50.	1.2	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.	2.7	101
67	NMDA Receptor Activation Suppresses Microtubule Growth and Spine Entry. <i>Journal of Neuroscience</i> , 2011, 31, 8194-8209.	1.7	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.	3.3	101
69	Bicaudal D Family Adaptor Proteins Control the Velocity of Dynein-Based Movements. <i>Cell Reports</i> , 2014, 8, 1248-1256.	2.9	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.	1.2	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.	1.2	100
72	Termination of Protofilament Elongation by Eribulin Induces Lattice Defects that Promote Microtubule Catastrophes. <i>Current Biology</i> , 2016, 26, 1713-1721.	1.8	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.	1.2	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.	3.6	93
76	Centriolar CPAP/SAS-4 Imparts Slow Processive Microtubule Growth. <i>Developmental Cell</i> , 2016, 37, 362-376.	3.1	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.	5.8	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.	3.6	86
79	Control of apico-basal epithelial polarity by the microtubule minus-end binding protein CAMSAP3 and spectraplak α 7. <i>Journal of Cell Science</i> , 2016, 129, 4278-4288.	1.2	84
80	LIMK1 and CLIP-115: linking cytoskeletal defects to Williams syndrome. <i>BioEssays</i> , 2004, 26, 141-150.	1.2	83
81	EB1 interacts with outwardly curved and straight regions of the microtubule lattice. <i>Nature Cell Biology</i> , 2016, 18, 1102-1108.	4.6	81
82	Generation and regulation of microtubule network asymmetry to drive cell polarity. <i>Current Opinion in Cell Biology</i> , 2020, 62, 86-95.	2.6	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.	1.4	77
84	Microtubule plus-end tracking proteins in neuronal development. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2053-2077.	2.4	76
85	EB1 and EB3 regulate microtubule minus end organization and Golgi morphology. <i>Journal of Cell Biology</i> , 2017, 216, 3179-3198.	2.3	76
86	CLIP-170-Dependent Capture of Membrane Organelles by Microtubules Initiates Minus-End Directed Transport. <i>Developmental Cell</i> , 2009, 17, 323-333.	3.1	75
87	Laminin-based cell adhesion anchors microtubule plus ends to the epithelial cell basal cortex through L α 5 β 2. <i>Journal of Cell Biology</i> , 2010, 189, 901-917.	2.3	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.	1.2	71
89	Visualizing cellular and tissue ultrastructure using Ten-fold Robust Expansion Microscopy (TREM). <i>ELife</i> , 2022, 11, .	2.8	70
90	Developmental and Activity-Dependent miRNA Expression Profiling in Primary Hippocampal Neuron Cultures. <i>PLoS ONE</i> , 2013, 8, e74907.	1.1	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.	3.1	69
92	Optogenetic dissection of mitotic spindle positioning in vivo. <i>ELife</i> , 2018, 7, .	2.8	69
93	Hydrogenosomes: convergent adaptations of mitochondria to anaerobic environments. <i>Zoology</i> , 2001, 104, 290-302.	0.6	68
94	Microtubule minus-end regulation at a glance. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	67
95	Touch, Grasp, Deliver and Control: Functional Cross-Talk Between Microtubules and Cell Adhesions. <i>Traffic</i> , 2009, 10, 268-274.	1.3	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.	2.3	66
97	Probing cytoskeletal modulation of passive and active intracellular dynamics using nanobody-functionalized quantum dots. <i>Nature Communications</i> , 2017, 8, 14772.	5.8	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.	5.8	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.	0.9	59
101	A Mitochondrial Ancestry of the Hydrogenosomes of <i>Nyctotherus ovalis</i> . <i>Molecular Biology and Evolution</i> , 2000, 17, 202-206.	3.5	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.	1.2	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.	0.9	59
104	Myosin-V Opposes Microtubule-Based Cargo Transport and Drives Directional Motility on Cortical Actin. <i>Current Biology</i> , 2013, 23, 828-834.	1.8	59
105	A hydrogenosomal [Fe]-hydrogenase from the anaerobic chytrid <i>Neocallimastix</i> sp. L2. <i>Gene</i> , 2002, 284, 103-112.	1.0	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.	3.5	58
107	Control of endothelial cell polarity and sprouting angiogenesis by non-centrosomal microtubules. <i>ELife</i> , 2018, 7, .	2.8	58
108	Microtubule plus-end tracking proteins in differentiated mammalian cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 619-637.	1.2	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.	1.6	57
110	Linking cortical microtubule attachment and exocytosis. F1000Research, 2017, 6, 469.	0.8	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.	0.4	56
112	Coming into Focus: Mechanisms of Microtubule Minus-End Organization. Trends in Cell Biology, 2018, 28, 574-588.	3.6	56
113	KIF13B establishes a CAV1-enriched microdomain at the ciliary transition zone to promote Sonic hedgehog signalling. Nature Communications, 2017, 8, 14177.	5.8	55
114	Aurora B spatially regulates EB3 phosphorylation to coordinate daughter cell adhesion with cytokinesis. Journal of Cell Biology, 2013, 201, 709-724.	2.3	54
115	Feedback-Driven Assembly of the Axon Initial Segment. Neuron, 2019, 104, 305-321.e8.	3.8	54
116	Publishing in the time of COVID-19. ELife, 2020, 9, .	2.8	54
117	Mechanisms of microtubule organization in differentiated animal cells. Nature Reviews Molecular Cell Biology, 2022, 23, 541-558.	16.1	54
118	Mammalian CLASPs are required for mitotic spindle organization and kinetochore alignment. Genes To Cells, 2006, 11, 845-857.	0.5	52
119	Microtubule-targeting-dependent reorganization of filopodia. Journal of Cell Science, 2007, 120, 1235-1244.	1.2	52
120	<scp>SCARECROW</scp> and <scp>LIKE</scp>23 and <scp>SCARECROW</scp> jointly specify endodermal cell fate but distinctly control <scp>SHORT</scp> and <scp>ROOT</scp> movement. Plant Journal, 2015, 84, 773-784.	2.8	52
121	Photoswitchable paclitaxel-based microtubule stabilisers allow optical control over the microtubule cytoskeleton. Nature Communications, 2020, 11, 4640.	5.8	52
122	Kinesin-4 KIF21B is a potent microtubule pausing factor. ELife, 2017, 6, .	2.8	51
123	CLASP Mediates Microtubule Repair by Restricting Lattice Damage and Regulating Tubulin Incorporation. Current Biology, 2020, 30, 2175-2183.e6.	1.8	50
124	The intracellular redox protein MICAL-1 regulates the development of hippocampal mossy fibre connections. Nature Communications, 2014, 5, 4317.	5.8	49
125	Molecular Insights into Mammalian End-binding Protein Heterodimerization. Journal of Biological Chemistry, 2010, 285, 5802-5814.	1.6	48
126	Differential expression of liprin family proteins in the brain suggests functional diversification. Journal of Comparative Neurology, 2011, 519, 3040-3060.	0.9	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.	1.6	47
128	Concerted action of kinesins KIF5B and KIF13B promotes efficient secretory vesicle transport to microtubule plus ends. <i>ELife</i> , 2020, 9, .	2.8	46
129	Cytolinker Gas2L1 regulates axon morphology through microtubule-modulated actin stabilization. <i>EMBO Reports</i> , 2019, 20, e47732.	2.0	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.	1.2	44
131	Sequence Determinants of a Microtubule Tip Localization Signal (MtLS). <i>Journal of Biological Chemistry</i> , 2012, 287, 28227-28242.	1.6	44
132	Microtubule Plus-End Tracking Proteins SLAIN1/2 and ch-TOG Promote Axonal Development. <i>Journal of Neuroscience</i> , 2012, 32, 14722-14728a.	1.7	44
133	A role for Bicaudal-D2 in radial cerebellar granule cell migration. <i>Nature Communications</i> , 2014, 5, 3411.	5.8	44
134	Taxanes convert regions of perturbed microtubule growth into rescue sites. <i>Nature Materials</i> , 2020, 19, 355-365.	13.3	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.	2.5	43
136	MKLP2 Is a Motile Kinesin that Transports the Chromosomal Passenger Complex during Anaphase. <i>Current Biology</i> , 2020, 30, 2628-2637.e9.	1.8	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.	2.0	41
138	Phosphorylation Controls Autoinhibition of Cytoplasmic Linker Protein-170. <i>Molecular Biology of the Cell</i> , 2010, 21, 2661-2673.	0.9	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.	1.0	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.	2.3	39
141	Short Linear Sequence Motif LxxPTPh Targets Diverse Proteins to Growing Microtubule Ends. <i>Structure</i> , 2017, 25, 924-932.e4.	1.6	37
142	Tipping microtubule dynamics, one protofilament at a time. <i>Current Opinion in Cell Biology</i> , 2018, 50, 86-93.	2.6	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.	1.0	36
144	Structural determinants of microtubule minus end preference in CAMSAP CKK domains. <i>Nature Communications</i> , 2019, 10, 5236.	5.8	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.	2.9	35
147	Identification and characterization of the <i>Drosophila</i> histone H4 replacement gene. <i>FEBS Letters</i> , 1996, 388, 219-222.	1.3	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.	4.5	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.	2.9	34
152	Pyrrrole 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.	7.2	34
153	Microtubule Dynamics Analysis Using Kymographs and Variable-Rate Particle Filters. <i>IEEE Transactions on Image Processing</i> , 2010, 19, 1861-1876.	6.0	33
154	CLASP2 interacts with p120-catenin and governs microtubule dynamics at adherens junctions. <i>Journal of Cell Biology</i> , 2013, 203, 1043-1061.	2.3	33
155	Dendritic Spine Plasticity: New Regulatory Roles of Dynamic Microtubules. <i>Neuroscientist</i> , 2010, 16, 650-661.	2.6	32
156	End Binding Proteins Are Obligatory Dimers. <i>PLoS ONE</i> , 2013, 8, e74448.	1.1	32
157	Biophysical and Structural Characterization of the Centriolar Protein Cep104 Interaction Network. <i>Journal of Biological Chemistry</i> , 2016, 291, 18496-18504.	1.6	31
158	GAS2L1 Is a Centriole-Associated Protein Required for Centrosome Dynamics and Disjunction. <i>Developmental Cell</i> , 2017, 40, 81-94.	3.1	31
159	Systematic identification of recognition motifs for the hub protein LC8. <i>Life Science Alliance</i> , 2019, 2, e201900366.	1.3	31
160	Mechanisms of Motor-Independent Membrane Remodeling Driven by Dynamic Microtubules. <i>Current Biology</i> , 2020, 30, 972-987.e12.	1.8	30
161	A drug discovery platform to identify compounds that inhibit EGFR triple mutants. <i>Nature Chemical Biology</i> , 2020, 16, 577-586.	3.9	30
162	Kinesin-4 KIF21B limits microtubule growth to allow rapid centrosome polarization in T cells. <i>ELife</i> , 2020, 9, .	2.8	29

#	ARTICLE	IF	CITATIONS
163	Structural basis for misregulation of kinesin KIF21A autoinhibition by CFEOM1 disease mutations. <i>Scientific Reports</i> , 2016, 6, 30668.	1.6	26
164	MICAL3 Flavoprotein Monooxygenase Forms a Complex with Centralspindlin and Regulates Cytokinesis. <i>Journal of Biological Chemistry</i> , 2016, 291, 20617-20629.	1.6	25
165	Plocabulin, a novel tubulin-binding agent, inhibits angiogenesis by modulation of microtubule dynamics in endothelial cells. <i>BMC Cancer</i> , 2018, 18, 164.	1.1	25
166	Implementing a "publish, then review" model of publishing. <i>ELife</i> , 2020, 9, .	2.8	25
167	Cel6A, a major exoglucanase from the cellulosome of the anaerobic fungi <i>Piromyces</i> sp. E2 and <i>Piromyces equi</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2003, 1628, 30-39.	2.4	24
168	In Vitro Reconstitution of Dynamic Microtubules Interacting with Actin Filament Networks. <i>Methods in Enzymology</i> , 2014, 540, 301-320.	0.4	24
169	Mechanical and Geometrical Constraints Control Kinesin-Based Microtubule Guidance. <i>Current Biology</i> , 2014, 24, 322-328.	1.8	24
170	Structural basis of katanin p60:p80 complex formation. <i>Scientific Reports</i> , 2017, 7, 14893.	1.6	24
171	<i>In Vivo</i> Photocontrol of Microtubule Dynamics and Integrity, Migration and Mitosis, by the Potent GFP-Imaging-Compatible Photoswitchable Reagents SBTubA4P and SBTub2M. <i>Journal of the American Chemical Society</i> , 2022, 144, 5614-5628.	6.6	24
172	Lattice defects induced by microtubule-stabilizing agents exert a long-range effect on microtubule growth by promoting catastrophes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
173	Guided by Light: Optical Control of Microtubule Gliding Assays. <i>Nano Letters</i> , 2018, 18, 7524-7528.	4.5	23
174	Pharmaceutical-Grade Rigosertib Is a Microtubule-Destabilizing Agent. <i>Molecular Cell</i> , 2020, 79, 191-198.e3.	4.5	22
175	Deep-learning method for data association in particle tracking. <i>Bioinformatics</i> , 2020, 36, 4935-4941.	1.8	22
176	Direct observation of dynamic protein interactions involving human microtubules using solid-state NMR spectroscopy. <i>Nature Communications</i> , 2020, 11, 18.	5.8	20
177	Cross-linkers at growing microtubule ends generate forces that drive actin transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2112799119.	3.3	20
178	Genomic DNA analysis of genes encoding (hemi-)cellulolytic enzymes of the anaerobic fungus <i>Piromyces</i> sp. E2. <i>Gene</i> , 2003, 314, 73-80.	1.0	19
179	Microtubule End Binding: EBs Sense the Guanine Nucleotide State. <i>Current Biology</i> , 2011, 21, R283-R285.	1.8	19
180	Two Types of Polyadenated mRNAs are Synthesized from <i>Drosophila</i> Replication-Dependent Histone Genes. <i>FEBS Journal</i> , 1997, 244, 294-300.	0.2	18

#	ARTICLE	IF	CITATIONS
181	Dynein at the nuclear envelope. <i>EMBO Reports</i> , 2010, 11, 649-649.	2.0	17
182	Microtubule Dynamics at the Cell Cortex Probed by TIRF Microscopy. <i>Methods in Cell Biology</i> , 2010, 97, 91-109.	0.5	17
183	Facilitating identification of minimal protein binding domains by cross-linking mass spectrometry. <i>Scientific Reports</i> , 2017, 7, 13453.	1.6	17
184	Interspecific sequence comparison of the muscle-myosin heavy-chain genes from <i>Drosophila hydei</i> and <i>Drosophila melanogaster</i> . <i>Journal of Molecular Evolution</i> , 1994, 39, 357-368.	0.8	16
185	Multisite Phosphorylation of NuMA-Related LIN-5 Controls Mitotic Spindle Positioning in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2016, 12, e1006291.	1.5	16
186	Cytotoxic γ lymphocyte effector function is independent of nucleus-centrosome dissociation. <i>European Journal of Immunology</i> , 2012, 42, 2132-2141.	1.6	15
187	Centrobin regulates centrosome function in interphase cells by limiting pericentriolar matrix recruitment. <i>Cell Cycle</i> , 2013, 12, 899-906.	1.3	15
188	Kif7 keeps cilia tips in shape. <i>Nature Cell Biology</i> , 2014, 16, 623-625.	4.6	15
189	Photoswitchable Epothilone-Based Microtubule Stabilisers Allow GFP-Imaging-Compatible, Optical Control over the Microtubule Cytoskeleton**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	15
190	F-actin asymmetry and the endoplasmic reticulum-associated TCC-1 protein contribute to stereotypic spindle movements in the <i>Caenorhabditis elegans</i> embryo. <i>Molecular Biology of the Cell</i> , 2013, 24, 2201-2215.	0.9	14
191	BBLN-1 is essential for intermediate filament organization and apical membrane morphology. <i>Current Biology</i> , 2021, 31, 2334-2346.e9.	1.8	13
192	Stimulation of the CLIP-170-dependent capture of membrane organelles by microtubules through fine tuning of microtubule assembly dynamics. <i>Molecular Biology of the Cell</i> , 2011, 22, 4029-4037.	0.9	12
193	Closing the tubulin detyrosination cycle. <i>Science</i> , 2017, 358, 1381-1382.	6.0	12
194	Dynein self-organizes while translocating the centrosome in T-cells. <i>Molecular Biology of the Cell</i> , 2021, 32, 855-868.	0.9	12
195	WDR47 protects neuronal microtubule minus ends from katanin-mediated severing. <i>Cell Reports</i> , 2021, 36, 109371.	2.9	12
196	Organizing Junctions at the Cell-Cell Interface. <i>Cell</i> , 2008, 135, 791-793.	18.5	11
197	Crystal Structure of a Heterotetrameric Katanin p60:p80 Complex. <i>Structure</i> , 2019, 27, 1375-1383.e3.	1.6	11
198	Organization and dynamics of the cortical complexes controlling insulin secretion in β -cells. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	11

#	ARTICLE	IF	CITATIONS
199	Minor-myosin, a novel myosin isoform synthesized preferentially in <i>Drosophila</i> testis is encoded by the muscle myosin heavy chain gene. <i>Mechanisms of Development</i> , 1995, 51, 67-81.	1.7	10
200	Naturally occurring testis-specific histone H3 antisense transcripts in <i>Drosophila</i> . <i>Molecular Reproduction and Development</i> , 1997, 48, 413-420.	1.0	10
201	Bi-directional transport of the nucleus by dynein and kinesin-1. <i>Communicative and Integrative Biology</i> , 2011, 4, 21-25.	0.6	10
202	Talin rod domain-containing protein 1 (TLNRD1) is a novel actin-bundling protein which promotes filopodia formation. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	9
203	Accurate estimation of microtubule dynamics using kymographs and variable-rate particle filters. , 2009, 2009, 1012-5.		8
204	Analysis of Microtubule Plus-End-Tracking Proteins in Cilia. <i>Methods in Enzymology</i> , 2013, 524, 105-122.	0.4	8
205	Automated Analysis of Intracellular Dynamic Processes. <i>Methods in Molecular Biology</i> , 2017, 1563, 209-228.	0.4	8
206	RADHA - a new male germ line-specific chromosomal protein of <i>Drosophila</i> . <i>Chromosoma</i> , 1999, 108, 235-242.	1.0	7
207	Thirteen Is the Lucky Number for Doublecortin. <i>Developmental Cell</i> , 2004, 7, 5-6.	3.1	7
208	Kinesins Lead Aging Microtubules to Catastrophe. <i>Cell</i> , 2011, 147, 966-968.	13.5	7
209	Two Antagonistic Microtubule Targeting Drugs Act Synergistically to Kill Cancer Cells. <i>Cancers</i> , 2020, 12, 2196.	1.7	7
210	Bi-directional transport of the nucleus by dynein and kinesin-1. <i>Communicative and Integrative Biology</i> , 2011, 4, 21-5.	0.6	7
211	Self-assembly of pericentriolar material in interphase cells lacking centrioles. <i>ELife</i> , 0, 11, .	2.8	7
212	<i>Drosophila melanogaster</i> histone H2B retropseudogene is inserted into a region rich in transposable elements. <i>Genome</i> , 1998, 41, 396-401.	0.9	6
213	More is not always better: hyperglutamylation leads to neurodegeneration. <i>EMBO Journal</i> , 2018, 37, .	3.5	6
214	Pyrrrole Hemithioindigo Antimitotics with Near-Quantitative Bidirectional Photoswitching that Photocontrol Cellular Microtubule Dynamics with Single-Cell Precision**. <i>Angewandte Chemie</i> , 2021, 133, 23888.	1.6	6
215	Angiotensin isoform 2 promotes binding of PALS1 to KIF13B at primary cilia and regulates ciliary length and signaling. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	6
216	Regulation of the expression of histone H3.3 by differential polyadenylation. <i>Genome</i> , 2005, 48, 503-510.	0.9	4

#	ARTICLE	IF	CITATIONS
217	Tipping the spindle into the right position. <i>Journal of Cell Biology</i> , 2016, 213, 293-295.	2.3	4
218	Isolation of Novel +TIPs and Their Binding Partners Using Affinity Purification Techniques. <i>Methods in Molecular Biology</i> , 2011, 777, 293-316.	0.4	4
219	Strengthening Microtubules by Cuts that Heal. <i>Developmental Cell</i> , 2018, 47, 400-401.	3.1	3
220	Solid-State NMR Spectroscopy for Studying Microtubules and Microtubule-Associated Proteins. <i>Methods in Molecular Biology</i> , 2021, 2305, 193-201.	0.4	3
221	Microtubules keep large cells in shape. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	3
222	Rigorous review and editorial oversight of clinical preprints. <i>ELife</i> , 2021, 10, .	2.8	2
223	Vinculin associates with endothelial VE-cadherin junctions to control force-dependent remodeling. <i>Journal of Experimental Medicine</i> , 2012, 209, i3-i3.	4.2	1
224	Anna Akhmanova: Great tips on microtubules. <i>Journal of Cell Biology</i> , 2011, 195, 168-169.	2.3	0
225	Photoswitchable Epothilone-Based Microtubule Stabilisers Allow GFP-Imaging-Compatible, Optical Control over the Microtubule Cytoskeleton**. <i>Angewandte Chemie</i> , 0, , .	1.6	0