

# A Straube, Anne Straube

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,669  
citations

201674

27  
h-index

345221

36  
g-index

53  
all docs

53  
docs citations

53  
times ranked

3705  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of cell migration by dynamic microtubules. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 968-974.	5.0	232
2	The SARS-COV-2 Spike Protein Binds Sialic Acids and Enables Rapid Detection in a Lateral Flow Point of Care Diagnostic Device. <i>ACS Central Science</i> , 2020, 6, 2046-2052.	11.3	222
3	A dynein loading zone for retrograde endosome motility at microtubule plus-ends. <i>EMBO Journal</i> , 2006, 25, 2275-2286.	7.8	209
4	A balance of KIF1A-like kinesin and dynein organizes early endosomes in the fungus <i>Ustilago maydis</i> . <i>EMBO Journal</i> , 2002, 21, 2946-2957.	7.8	150
5	Regulation of microtubule dynamic instability. <i>Biochemical Society Transactions</i> , 2009, 37, 1007-1013.	3.4	137
6	Microtubules in cell migration. <i>Essays in Biochemistry</i> , 2019, 63, 509-520.	4.7	113
7	MAP4 and CLASP1 operate as a safety mechanism to maintain a stable spindle position in mitosis. <i>Nature Cell Biology</i> , 2011, 13, 1040-1050.	10.3	108
8	Microtubule Organization Requires Cell Cycle-dependent Nucleation at Dispersed Cytoplasmic Sites: Polar and Perinuclear Microtubule Organizing Centers in the Plant Pathogen <i>Ustilago maydis</i> . <i>Molecular Biology of the Cell</i> , 2003, 14, 642-657.	2.1	102
9	Dynein Supports Motility of Endoplasmic Reticulum in the Fungus <i>Ustilago maydis</i> . <i>Molecular Biology of the Cell</i> , 2002, 13, 965-977.	2.1	101
10	EB3 Regulates Microtubule Dynamics at the Cell Cortex and Is Required for Myoblast Elongation and Fusion. <i>Current Biology</i> , 2007, 17, 1318-1325.	3.9	95
11	A split motor domain in a cytoplasmic dynein. <i>EMBO Journal</i> , 2001, 20, 5091-5100.	7.8	89
12	A novel mechanism of nuclear envelope break-down in a fungus: nuclear migration strips off the envelope. <i>EMBO Journal</i> , 2005, 24, 1674-1685.	7.8	87
13	Directional Persistence of Migrating Cells Requires Kif1C-Mediated Stabilization of Trailing Adhesions. <i>Developmental Cell</i> , 2012, 23, 1153-1166.	7.0	87
14	Mechanical Properties of Doubly Stabilized Microtubule Filaments. <i>Biophysical Journal</i> , 2013, 104, 1517-1528.	0.5	78
15	Coordination of adjacent domains mediates TACC3-ch-TOG-clathrin assembly and mitotic spindle binding. <i>Journal of Cell Biology</i> , 2013, 202, 463-478.	5.2	76
16	Microtubule association of EML proteins and the EML4-ALK variant 3 oncoprotein require an N-terminal trimerization domain. <i>Biochemical Journal</i> , 2015, 467, 529-536.	3.7	73
17	Conventional Kinesin Mediates Microtubule-Microtubule Interactions In Vivo. <i>Molecular Biology of the Cell</i> , 2006, 17, 907-916.	2.1	69
18	Calcium Signaling Is Involved in Dynein-dependent Microtubule Organization. <i>Molecular Biology of the Cell</i> , 2004, 15, 1969-1980.	2.1	56

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19	Measuring microtubule dynamics. <i>Essays in Biochemistry</i> , 2018, 62, 725-735.	4.7	55
20	Intracellular cargo transport by kinesin-3 motors. <i>Biochemistry (Moscow)</i> , 2017, 82, 803-815.	1.5	54
21	PTPN21 and Hook3 relieve KIF1C autoinhibition and activate intracellular transport. <i>Nature Communications</i> , 2019, 10, 2693.	12.8	53
22	Hsp72 is targeted to the mitotic spindle by Nek6 to promote K-fiber assembly and mitotic progression. <i>Journal of Cell Biology</i> , 2015, 209, 349-358.	5.2	44
23	Spatial positioning of EB family proteins at microtubule tips involves distinct nucleotide-dependent binding properties. <i>Journal of Cell Science</i> , 2018, 132, .	2.0	44
24	Dynamic Rearrangement of Nucleoporins during Fungal "Open" Mitosis. <i>Molecular Biology of the Cell</i> , 2008, 19, 1230-1240.	2.1	43
25	A novel isoform of MAP4 organises the paraxial microtubule array required for muscle cell differentiation. <i>ELife</i> , 2015, 4, e05697.	6.0	43
26	Science during lockdown " from virtual seminars to sustainable online communities. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	35
27	Podosome-regulating kinesin KIF1C translocates to the cell periphery in a CLASP-dependent manner. <i>Journal of Cell Science</i> , 2014, 127, 5179-88.	2.0	34
28	CLASPs Are Required for Proper Microtubule Localization of End-Binding Proteins. <i>Developmental Cell</i> , 2014, 30, 343-352.	7.0	34
29	Repurposing screen identifies mebendazole as a clinical candidate to synergise with docetaxel for prostate cancer treatment. <i>British Journal of Cancer</i> , 2020, 122, 517-527.	6.4	33
30	Mitotic phosphorylation by NEK6 and NEK7 reduces the microtubule affinity of EML4 to promote chromosome congression. <i>Science Signaling</i> , 2019, 12, .	3.6	30
31	Kinesins in cell migration. <i>Biochemical Society Transactions</i> , 2015, 43, 79-83.	3.4	24
32	Glycan-Based Flow-Through Device for the Detection of SARS-COV-2. <i>ACS Sensors</i> , 2021, 6, 3696-3705.	7.8	17
33	How to Measure Microtubule Dynamics?. <i>Methods in Molecular Biology</i> , 2011, 777, 1-14.	0.9	11
34	Direct detection and measurement of wall shear stress using a filamentous bio-nanoparticle. <i>Nano Research</i> , 2015, 8, 3307-3315.	10.4	7
35	Vascular Adhesion Protein-1 Determines the Cellular Properties of Endometrial Pericytes. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 621016.	3.7	7
36	Mechanochemical cell biology. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 913-915.	5.0	0

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37	Spindle centrality. <i>Cell Cycle</i> , 2011, 10, 3989-3991.	2.6	0
38	Mechanics and Dynamics of Microtubules in the Presence of the EBs and MAP4. <i>Biophysical Journal</i> , 2012, 102, 701a.	0.5	0
39	Doubly-Stabilized Microtubule Mechanics. <i>Biophysical Journal</i> , 2013, 104, 144a.	0.5	0
40	A novel framework for exploratory analysis of highly variable morphology of migrating epithelial cells. , 2013, 2013, 3463-6.		0
41	Maps and Motors Cooperate to form the Paraxial Microtubule Cytoskeleton in Differentiating Muscle Cells. <i>Biophysical Journal</i> , 2016, 110, 7a-8a.	0.5	0
42	Microtubules Regulate Cell Migration and Neuronal Pathfinding. , 2016, , 151-189.		0
43	Further Reading   Microtubule Plus and Minus End Binding Proteins. , 2021, , 554-566.		0
44	The Kinesin-3 Family. , 2020, , 41-54.		0
45	Microtubules and Microtubule Associated Proteins (MAPs). , 2022, , .		0