A Straube, Anne Straube

List of Publications by Year
in descending order

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	Microtubules and Microtubule Associated Proteins (MAPs). , 2022, , .		0
2	Further Reading | Microtubule Plus and Minus End Binding Proteins. , 2021, , 554-566.		0
3	Glycan-Based Flow-Through Device for the Detection of SARS-COV-2. ACS Sensors, 2021, 6, 3696-3705.	7.8	17
4	Repurposing screen identifies mebendazole as a clinical candidate to synergise with docetaxel for prostate cancer treatment. British Journal of Cancer, 2020, 122, 517-527.	6.4	33
5	The SARS-COV-2 Spike Protein Binds Sialic Acids and Enables Rapid Detection in a Lateral Flow Point of Care Diagnostic Device. ACS Central Science, 2020, 6, 2046-2052.	11.3	222
6	Science during lockdown â€“ from virtual seminars to sustainable online communities. Journal of Cell Science, 2020, 133, .	2.0	35
7	Vascular Adhesion Protein-1 Determines the Cellular Properties of Endometrial Pericytes. Frontiers in Cell and Developmental Biology, 2020, 8, 621016.	3.7	7
8	The Kinesin-3 Family. , 2020, , 41-54.		0
9	Mitotic phosphorylation by NEK6 and NEK7 reduces the microtubule affinity of EML4 to promote chromosome congression. Science Signaling, 2019, 12, .	3.6	30
10	Microtubules in cell migration. Essays in Biochemistry, 2019, 63, 509-520.	4.7	113
11	PTPN21 and Hook3 relieve KIF1C autoinhibition and activate intracellular transport. Nature Communications, 2019, 10, 2693.	12.8	53
12	Spatial positioning of EB family proteins at microtubule tips involves distinct nucleotide-dependent binding properties. Journal of Cell Science, 2018, 132, .	2.0	44
13	Measuring microtubule dynamics. Essays in Biochemistry, 2018, 62, 725-735.	4.7	55
14	Intracellular cargo transport by kinesin-3 motors. Biochemistry (Moscow), 2017, 82, 803-815.	1.5	54
15	Maps and Motors Cooperate to form the Paraxial Microtubule Cytoskeleton in Differentiating Muscle Cells. Biophysical Journal, 2016, 110, 7a-8a.	0.5	0
16	Microtubules Regulate Cell Migration and Neuronal Pathfinding. , 2016, , 151-189.		0
17	Kinesins in cell migration. Biochemical Society Transactions, 2015, 43, 79-83.	3.4	24
18	Microtubule association of EML proteins and the EML4-ALK variant 3 oncoprotein require an N-terminal trimerization domain. Biochemical Journal, 2015, 467, 529-536.	3.7	73

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19	Hsp72 is targeted to the mitotic spindle by Nek6 to promote K-fiber assembly and mitotic progression. Journal of Cell Biology, 2015, 209, 349-358.	5.2	44
20	Direct detection and measurement of wall shear stress using a filamentous bio-nanoparticle. Nano Research, 2015, 8, 3307-3315.	10.4	7
21	A novel isoform of MAP4 organises the paraxial microtubule array required for muscle cell differentiation. ELife, 2015, 4, e05697.	6.0	43
22	Podosome-regulating kinesin KIF1C translocates to the cell periphery in a CLASP-dependent manner. Journal of Cell Science, 2014, 127, 5179-88.	2.0	34
23	CLASPs Are Required for Proper Microtubule Localization of End-Binding Proteins. Developmental Cell, 2014, 30, 343-352.	7.0	34
24	Mechanical Properties of Doubly Stabilized Microtubule Filaments. Biophysical Journal, 2013, 104, 1517-1528.	0.5	78
25	Doubly-Stabilized Microtubule Mechanics. Biophysical Journal, 2013, 104, 144a.	0.5	0
26	A novel framework for exploratory analysis of highly variable morphology of migrating epithelial cells. , 2013, 2013, 3463-6.		0
27	Coordination of adjacent domains mediates TACC3â€“ch-TOGâ€“clathrin assembly and mitotic spindle binding. Journal of Cell Biology, 2013, 202, 463-478.	5.2	76
28	Mechanics and Dynamics of Microtubules in the Presence of the EBs and MAP4. Biophysical Journal, 2012, 102, 701a.	0.5	0
29	Directional Persistence of Migrating Cells Requires Kif1C-Mediated Stabilization of Trailing Adhesions. Developmental Cell, 2012, 23, 1153-1166.	7.0	87
30	How to Measure Microtubule Dynamics?. Methods in Molecular Biology, 2011, 777, 1-14.	0.9	11
31	Regulation of cell migration by dynamic microtubules. Seminars in Cell and Developmental Biology, 2011, 22, 968-974.	5.0	232
32	Mechanochemical cell biology. Seminars in Cell and Developmental Biology, 2011, 22, 913-915.	5.0	0
33	Spindle centricity. Cell Cycle, 2011, 10, 3989-3991.	2.6	0
34	MAP4 and CLASP1 operate as a safety mechanism to maintain a stable spindle position in mitosis. Nature Cell Biology, 2011, 13, 1040-1050.	10.3	108
35	Regulation of microtubule dynamic instability. Biochemical Society Transactions, 2009, 37, 1007-1013.	3.4	137
36	Dynamic Rearrangement of Nucleoporins during Fungal â€œOpenâ€•Mitosis. Molecular Biology of the Cell, 2008, 19, 1230-1240.	2.1	43

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37	EB3 Regulates Microtubule Dynamics at the Cell Cortex and Is Required for Myoblast Elongation and Fusion. Current Biology, 2007, 17, 1318-1325.	3.9	95
38	A dynein loading zone for retrograde endosome motility at microtubule plus-ends. EMBO Journal, 2006, 25, 2275-2286.	7.8	209
39	Conventional Kinesin Mediates Microtubule-Microtubule Interactions In Vivo. Molecular Biology of the Cell, 2006, 17, 907-916.	2.1	69
40	A novel mechanism of nuclear envelope break-down in a fungus: nuclear migration strips off the envelope. EMBO Journal, 2005, 24, 1674-1685.	7.8	87
41	Calcium Signaling Is Involved in Dynein-dependent Microtubule Organization. Molecular Biology of the Cell, 2004, 15, 1969-1980.	2.1	56
42	Microtubule Organization Requires Cell Cycle-dependent Nucleation at Dispersed Cytoplasmic Sites: Polar and Perinuclear Microtubule Organizing Centers in the Plant PathogenUstilago maydis. Molecular Biology of the Cell, 2003, 14, 642-657.	2.1	102
43	Dynein Supports Motility of Endoplasmic Reticulum in the FungusUstilago maydis. Molecular Biology of the Cell, 2002, 13, 965-977.	2.1	101
44	A balance of KIF1A-like kinesin and dynein organizes early endosomes in the fungus Ustilago maydis. EMBO Journal, 2002, 21, 2946-2957.	7.8	150
45	A split motor domain in a cytoplasmic dynein. EMBO Journal, 2001, 20, 5091-5100.	7.8	89