

# Johanna Roostalu

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

1,486  
citations

516561

16  
h-index

794469

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1740  
citing authors

#	ARTICLE	IF	CITATIONS
1	Directional Switching of the Kinesin Cin8 Through Motor Coupling. <i>Science</i> , 2011, 332, 94-99.	6.0	163
2	Cell division in <i>Escherichia coli</i> cultures monitored at single cell resolution. <i>BMC Microbiology</i> , 2008, 8, 68.	1.3	152
3	Complementary activities of TPX2 and chTOG constitute an efficient importin-regulated microtubule nucleation module. <i>Nature Cell Biology</i> , 2015, 17, 1422-1434.	4.6	152
4	Microtubule nucleation: beyond the template. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 702-710.	16.1	148
5	Cdc14-regulated midzone assembly controls anaphase B. <i>Journal of Cell Biology</i> , 2007, 177, 981-993.	2.3	143
6	Phosphorylation-Dependent Protein Interactions at the Spindle Midzone Mediate Cell Cycle Regulation of Spindle Elongation. <i>Developmental Cell</i> , 2009, 17, 244-256.	3.1	121
7	Microtubule Nucleation Properties of Single Human $\hat{1}^3$ TuRCs Explained by Their Cryo-EM Structure. <i>Developmental Cell</i> , 2020, 53, 603-617.e8.	3.1	99
8	Determinants of Polar versus Nematic Organization in Networks of Dynamic Microtubules and Mitotic Motors. <i>Cell</i> , 2018, 175, 796-808.e14.	13.5	92
9	Structural insight into TPX2-stimulated microtubule assembly. <i>ELife</i> , 2017, 6, .	2.8	87
10	The speed of GTP hydrolysis determines GTP cap size and controls microtubule stability. <i>ELife</i> , 2020, 9, .	2.8	77
11	Combinatorial regulation of the balance between dynein microtubule end accumulation and initiation of directed motility. <i>EMBO Journal</i> , 2017, 36, 3387-3404.	3.5	61
12	End-binding proteins and Ase1/PRC1 define local functionality of structurally distinct parts of the microtubule cytoskeleton. <i>Trends in Cell Biology</i> , 2013, 23, 54-63.	3.6	42
13	p53-dependent transcription can exhibit both on/off and graded response after genotoxic stress. <i>Oncogene</i> , 2004, 23, 6175-6185.	2.6	33
14	Cell cycle control of spindle elongation. <i>Cell Cycle</i> , 2010, 9, 1084-1090.	1.3	32
15	Structural transitions in the GTP cap visualized by cryo-electron microscopy of catalytically inactive microtubules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	28
16	Ensembles of Bidirectional Kinesin Cin8 Produce Additive Forces in Both Directions of Movement. <i>Biophysical Journal</i> , 2017, 113, 2055-2067.	0.2	25
17	Real-Time Imaging of Single $\hat{1}^3$ TuRC-Mediated Microtubule Nucleation Events In Vitro by TIRF Microscopy. <i>Methods in Molecular Biology</i> , 2022, 2430, 315-336.	0.4	9
18	The multiple talents of kinesin-8. <i>Nature Cell Biology</i> , 2013, 15, 889-891.	4.6	8