

Stephanie C Ems-Mcclung

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/100073/publications.pdf>

Version: 2024-02-01

21
papers

1,329
citations

623734

14
h-index

713466

21
g-index

33
all docs

33
docs citations

33
times ranked

1442
citing authors

#	ARTICLE	IF	CITATIONS
1	Two mitotic kinesins cooperate to drive sister chromatid separation during anaphase. <i>Nature</i> , 2004, 427, 364-370.	27.8	292
2	Kinesin-14 Family Proteins HSET/XCTK2 Control Spindle Length by Cross-Linking and Sliding Microtubules. <i>Molecular Biology of the Cell</i> , 2009, 20, 1348-1359.	2.1	168
3	Kinesin-13s in mitosis: Key players in the spatial and temporal organization of spindle microtubules. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 276-282.	5.0	138
4	Importin $\hat{1}\pm/\hat{1}^2$ and Ran-GTP Regulate XCTK2 Microtubule Binding through a Bipartite Nuclear Localization Signal. <i>Molecular Biology of the Cell</i> , 2004, 15, 46-57.	2.1	131
5	Aurora A Phosphorylates MCAK to Control Ran-dependent Spindle Bipolarity. <i>Molecular Biology of the Cell</i> , 2008, 19, 2752-2765.	2.1	113
6	Kif18A Uses a Microtubule Binding Site in the Tail for Plus-End Localization and Spindle Length Regulation. <i>Current Biology</i> , 2011, 21, 1500-1506.	3.9	95
7	Aurora B Inhibits MCAK Activity through a Phosphoconformational Switch that Reduces Microtubule Association. <i>Current Biology</i> , 2013, 23, 2491-2499.	3.9	59
8	Novel Thioredoxin-Like Proteins Are Components of a Protein Complex Coating the Cortical Microtubules of <i>Toxoplasma gondii</i> . <i>Eukaryotic Cell</i> , 2013, 12, 1588-1599.	3.4	48
9	Proper Organization of Microtubule Minus Ends Is Needed for Midzone Stability and Cytokinesis. <i>Current Biology</i> , 2010, 20, 880-885.	3.9	44
10	The Interplay of the N- and C-Terminal Domains of MCAK Control Microtubule Depolymerization Activity and Spindle Assembly. <i>Molecular Biology of the Cell</i> , 2007, 18, 282-294.	2.1	40
11	Self-straining of actively crosslinked microtubule networks. <i>Nature Physics</i> , 2019, 15, 1295-1300.	16.7	37
12	TgICMAP1 Is a Novel Microtubule Binding Protein in <i>Toxoplasma gondii</i> . <i>PLoS ONE</i> , 2009, 4, e7406.	2.5	33
13	Aurora A activation in mitosis promoted by BuGZ. <i>Journal of Cell Biology</i> , 2018, 217, 107-116.	5.2	31
14	The Ran-GTP Gradient Spatially Regulates XCTK2 in the Spindle. <i>Current Biology</i> , 2015, 25, 1509-1514.	3.9	28
15	RanGTP induces an effector gradient of XCTK2 and importin $\hat{1}\pm/\hat{1}^2$ for spindle microtubule cross-linking. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	16
16	Kin I Kinesins: Insights into the Mechanism of Depolymerization. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2003, 38, 453-469.	5.2	14
17	The far C-terminus of MCAK regulates its conformation and spindle pole focusing. <i>Molecular Biology of the Cell</i> , 2016, 27, 1451-1464.	2.1	13
18	Spatial regulation of MCAK promotes cell polarization and focal adhesion turnover to drive robust cell migration. <i>Molecular Biology of the Cell</i> , 2021, 32, 590-604.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Expression of Maize Gamma Zein C-Terminus in Escherichia coli. Protein Expression and Purification, 1998, 13, 1-8.	1.3	8
20	Mutational analysis of the maize gamma zein C-terminal cysteine residues. Plant Science, 2002, 162, 131-141.	3.6	7
21	Catastrophic Kinesins. Cell, 2004, 116, 485-486.	28.9	2