# Stephanie C Ems-Mcclung

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Spatial regulation of MCAK promotes cell polarization and focal adhesion turnover to drive robust cell migration. Molecular Biology of the Cell, 2021, 32, 590-604. | 2.1 | 11 |
| 2 | RanGTP induces an effector gradient of XCTK2 and importin Î±/Î² for spindle microtubule cross-linking. Journal of Cell Biology, 2020, 219, . | 5.2 | 16 |
| 3 | Self-straining of actively crosslinked microtubule networks. Nature Physics, 2019, 15, 1295-1300. | 16.7 | 37 |
| 4 | Aurora A activation in mitosis promoted by BuGZ. Journal of Cell Biology, 2018, 217, 107-116. | 5.2 | 31 |
| 5 | The far C-terminus of MCAK regulates its conformation and spindle pole focusing. Molecular Biology of the Cell, 2016, 27, 1451-1464. | 2.1 | 13 |
| 6 | The Ran-GTP Gradient Spatially Regulates XCTK2 in the Spindle. Current Biology, 2015, 25, 1509-1514. | 3.9 | 28 |
| 7 | Aurora B Inhibits MCAK Activity through a Phosphoconformational Switch that Reduces Microtubule Association. Current Biology, 2013, 23, 2491-2499. | 3.9 | 59 |
| 8 | Novel Thioredoxin-Like Proteins Are Components of a Protein Complex Coating the Cortical Microtubules of Toxoplasma gondii. Eukaryotic Cell, 2013, 12, 1588-1599. | 3.4 | 48 |
| 9 | Kif18A Uses a Microtubule Binding Site in the Tail for Plus-End Localization and Spindle Length Regulation. Current Biology, 2011, 21, 1500-1506. | 3.9 | 95 |
| 10 | Proper Organization of Microtubule Minus Ends Is Needed for Midzone Stability and Cytokinesis. Current Biology, 2010, 20, 880-885. | 3.9 | 44 |
| 11 | Kinesin-13s in mitosis: Key players in the spatial and temporal organization of spindle microtubules. Seminars in Cell and Developmental Biology, 2010, 21, 276-282. | 5.0 | 138 |
| 12 | TgICMAP1 Is a Novel Microtubule Binding Protein in Toxoplasma gondii. PLoS ONE, 2009, 4, e7406. | 2.5 | 33 |
| 13 | Kinesin-14 Family Proteins HSET/XCTK2 Control Spindle Length by Cross-Linking and Sliding Microtubules. Molecular Biology of the Cell, 2009, 20, 1348-1359. | 2.1 | 168 |
| 14 | Aurora A Phosphorylates MCAK to Control Ran-dependent Spindle Bipolarity. Molecular Biology of the Cell, 2008, 19, 2752-2765. | 2.1 | 113 |
| 15 | The Interplay of the N- and C-Terminal Domains of MCAK Control Microtubule Depolymerization Activity and Spindle Assembly. Molecular Biology of the Cell, 2007, 18, 282-294. | 2.1 | 40 |
| 16 | Importin Î±/Î² and Ran-GTP Regulate XCTK2 Microtubule Binding through a Bipartite Nuclear Localization Signal. Molecular Biology of the Cell, 2004, 15, 46-57. | 2.1 | 131 |
| 17 | Two mitotic kinesins cooperate to drive sister chromatid separation during anaphase. Nature, 2004, 427, 364-370. | 27.8 | 292 |
| 18 | Catastrophic Kinesins. Cell, 2004, 116, 485-486. | 28.9 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Kin I Kinesins: Insights into the Mechanism of Depolymerization. Critical Reviews in Biochemistry and Molecular Biology, 2003, 38, 453-469. | 5.2 | 14 |
| 20 | Mutational analysis of the maize gamma zein C-terminal cysteine residues. Plant Science, 2002, 162, 131-141. | 3.6 | 7 |
| 21 | Expression of Maize Gamma Zein C-Terminus inEscherichia coli. Protein Expression and Purification, 1998, 13, 1-8. | 1.3 | 8 |