Sabine Petry

List of Publications by Year
in descending order

31 papers	3,530 citations	489802 18 h-index	511568 30 g-index
42 all docs	42 docs citations	42 times ranked	3631 citing authors

#	Article	IF	Citations
1	Building the microtubule cytoskeleton via phase transitions. FASEB Journal, 2022, 36, .	0.2	0
2	How Microtubules Build the Spindle Branch by Branch. Annual Review of Cell and Developmental Biology, 2022, 38, 1-23.	4.0	8
3	Molecular insight into how Î³-TuRC makes microtubules. Journal of Cell Science, 2021, 134, .	1.2	21
4	Interaction of spindle assembly factor TPX2 with importins-Î±/Î² inhibits protein phase separation. Journal of Biological Chemistry, 2021, 297, 100998.	1.6	21
5	Confinement size determines the architecture of Ran-induced microtubule networks. Soft Matter, 2021, 17, 5921-5931.	1.2	3
6	A hydrodynamic instability drives protein droplet formation on microtubules to nucleate branches. Nature Physics, 2021, 17, 493-498.	6.5	50
7	Uniform intensity in multifocal microscopy using a spatial light modulator. PLoS ONE, 2020, 15, e0230217.	1.1	6
8	Phase separation of TPX2 enhances and spatially coordinates microtubule nucleation. Nature Communications, 2020, 11, 270.	5.8	131
9	Biochemical reconstitution of branching microtubule nucleation. ELife, 2020, 9, .	2.8	54
10	The transition state and regulation of Î³-TuRC-mediated microtubule nucleation revealed by single molecule microscopy. ELife, 2020, 9, .	2.8	45
11	How to run an academic lab based on a basketball strategy. Molecular Biology of the Cell, 2019, 30, 2859-2861.	0.9	1
12	Spatiotemporal organization of branched microtubule networks. ELife, 2019, 8, .	2.8	52
13	XMAP215 is a microtubule nucleation factor that functions synergistically with the Î³-tubulin ring complex. Nature Cell Biology, 2018, 20, 575-585.	4.6	146
14	Dissecting Protein Complexes in Branching Microtubule Nucleation Using Meiotic Xenopus Egg Extracts. Cold Spring Harbor Protocols, 2018, 2018, pdb.prot100958.	0.2	1
15	Phase Transitioning the Centrosome into a Microtubule Nucleator. Biochemistry, 2018, 57, 30-37.	1.2	21
16	The life of a microtubule. Molecular Biology of the Cell, 2018, 29, 689-689.	0.9	3
17	Mechanism of how augmin directly targets the Î³-tubulin ring complex to microtubules. Journal of Cell Biology, 2018, 217, 2417-2428.	2.3	62
18	Structural analysis of the role of TPX2 in branching microtubule nucleation. Journal of Cell Biology, 2017, 216, 983-997.	2.3	76

#	Article	IF	Citations
19	How TPX2 helps microtubules branch out. Cell Cycle, 2017, 16, 1560-1561.	1.3	9
20	Visualizing and Analyzing Branching Microtubule Nucleation Using Meiotic Xenopus Egg Extracts and TIRF Microscopy. Methods in Molecular Biology, 2016, 1413, 77-85.	0.4	7
21	Mechanisms of Mitotic Spindle Assembly. Annual Review of Biochemistry, 2016, 85, 659-683.	5.0	180
22	Building the Microtubule Cytoskeleton Piece by Piece. Journal of Biological Chemistry, 2015, 290, 17154-17162.	1.6	42
23	Microtubule nucleation at the centrosome and beyond. Nature Cell Biology, 2015, 17, 1089-1093.	4.6	140
24	Branching Microtubule Nucleation in Xenopus Egg Extracts Mediated by Augmin and TPX2. Cell, 2013, 152, 768-777.	13.5	316
25	Augmin promotes meiotic spindle formation and bipolarity in Xenopus egg extracts. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14473-14478.	3.3	91
26	A new cap for kinetochore fibre minus ends. Nature Cell Biology, 2011, 13, 1389-1391.	4.6	6
27	The augmin complex plays a critical role in spindle microtubule generation for mitotic progression and cytokinesis in human cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6998-7003.	3.3	229
28	Insights into Translational Termination from the Structure of RF2 Bound to the Ribosome. Science, 2008, 322, 953-956.	6.0	273
29	Crystal structure of the ribosome recycling factor bound to the ribosome. Nature Structural and Molecular Biology, 2007, 14, 733-737.	3.6	99
30	Structure of the 70S Ribosome Complexed with mRNA and tRNA. Science, 2006, 313, 1935-1942.	6.0	1,186
31	Crystal Structures of the Ribosome in Complex with Release Factors RF1 and RF2 Bound to a Cognate Stop Codon. Cell, 2005, 123, 1255-1266.	13.5	239