

Robert A Cross

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

553
citations

933447

10
h-index

1125743

13
g-index

22
all docs

22
docs citations

22
times ranked

668
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinesin expands and stabilizes the GDP-microtubule lattice. <i>Nature Nanotechnology</i> , 2018, 13, 386-391.	31.5	81
2	Opposing kinesin complexes queue at plus tips to ensure microtubule catastrophe at cell ends. <i>EMBO Reports</i> , 2018, 19, .	4.5	11
3	Molecular machines. <i>Biophysical Reviews</i> , 2017, 9, 287-288.	3.2	0
4	<i>Schizosaccharomyces pombe</i> kinesin-5 switches direction using a steric blocking mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7483-E7489.	7.1	55
5	Curvature-induced expulsion of actomyosin bundles during cytokinetic ring contraction. <i>ELife</i> , 2016, 5, .	6.0	18
6	Kinesin backsteps. <i>Biochemical Society Transactions</i> , 2012, 40, 400-403.	3.4	3
7	Mechanochemical cell biology. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 913-915.	5.0	0
8	Purification of Tubulin from the Fission Yeast <i>Schizosaccharomyces pombe</i> . <i>Methods in Molecular Biology</i> , 2011, 777, 29-55.	0.9	28
9	Preparation of Dual-Color Polarity-Marked Fluorescent Microtubule Seeds. <i>Methods in Molecular Biology</i> , 2011, 777, 117-126.	0.9	4
10	Kinesin-14: the roots of reversal. <i>BMC Biology</i> , 2010, 8, 107.	3.8	12
11	The kinesin-14 Klp2 organizes microtubules into parallel bundles by an ATP-dependent sorting mechanism. <i>Nature Cell Biology</i> , 2009, 11, 724-730.	10.3	114
12	Single-headed mode of kinesin-5. <i>EMBO Reports</i> , 2008, 9, 761-765.	4.5	28
13	Mal3, the <i>Schizosaccharomyces pombe</i> homolog of EB1, changes the microtubule lattice. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 1102-1108.	8.2	99
14	A torque component in the kinesin-1 power stroke. <i>Nature Chemical Biology</i> , 2005, 1, 338-341.	8.0	58
15	Three-Dimensional Cryoelectron Microscopy of 16-Protofilament Microtubules: Structure, Polarity, and Interaction with Motor Proteins. <i>Journal of Structural Biology</i> , 1997, 118, 140-148.	2.8	39