

# Vladimir A Volkov

## List of Publications by Year in descending order

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15  
papers

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-linkers at growing microtubule ends generate forces that drive actin transport. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2112799119.	7.1	20
2	Mechanisms of Motor-Independent Membrane Remodeling Driven by Dynamic Microtubules. Current Biology, 2020, 30, 972-987.e12.	3.9	30
3	Microtubules pull the strings: disordered sequences as efficient couplers of microtubule-generated force. Essays in Biochemistry, 2020, 64, 371-382.	4.7	6
4	The depolymerase activity of MCAK shows graded response to Aurora B kinase phosphorylation through allosteric regulation. Journal of Cell Science, 2019, 132, .	2.0	22
5	Molecular determinants of the Ska-Ndc80 interaction and their influence on microtubule tracking and force-coupling. ELife, 2019, 8, .	6.0	46
6	Multivalency of NDC80 in the outer kinetochore is essential to track shortening microtubules and generate forces. ELife, 2018, 7, .	6.0	67
7	CENP-F couples cargo to growing and shortening microtubule ends. Molecular Biology of the Cell, 2017, 28, 2400-2409.	2.1	32
8	Centromere protein F includes two sites that couple efficiently to depolymerizing microtubules. Journal of Cell Biology, 2015, 209, 813-828.	5.2	46
9	Preparation of Segmented Microtubules to Study Motions Driven by the Disassembling Microtubule Ends. Journal of Visualized Experiments, 2014, , .	0.3	22
10	Long tethers provide high-force coupling of the Dam1 ring to shortening microtubules. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7708-7713.	7.1	64
11	Tubulin depolymerization may be an ancient biological motor. Journal of Cell Science, 2010, 123, 3425-3434.	2.0	83
12	Different assemblies of the DAM1 complex follow shortening microtubules by distinct mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6918-6923.	7.1	85
13	Fibrils Connect Microtubule Tips with Kinetochores: A Mechanism to Couple Tubulin Dynamics to Chromosome Motion. Cell, 2008, 135, 322-333.	28.9	186
14	An Allosteric Mechanism for Switching between Parallel Tracks in Mammalian Sulfur Metabolism. PLoS Computational Biology, 2008, 4, e1000076.	3.2	16
15	The Dam1 ring binds microtubules strongly enough to be a processive as well as energy-efficient coupler for chromosome motion. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15423-15428.	7.1	87