Serge Dmitrieff

List of Publications by Citations

17 papers	791 citations	10 h-index	24 g-index
24 ext. papers	1,012 ext. citations	10.9 avg, IF	3.94 L-index

#	Paper	IF	Citations
17	GM1 structure determines SV40-induced membrane invagination and infection. *Nature Cell Biology*, **2010**, 12, 11-8; sup pp 1-12	23.4	461
16	Systematic Nanoscale Analysis of Endocytosis Links Efficient Vesicle Formation to Patterned Actin Nucleation. *Cell*, **2018**, 174, 884-896.e17	56.2	99
15	Membrane Mechanics of Endocytosis in Cells with Turgor. *PLoS Computational Biology*, **2015**, 11, e1004538	3.8	64
14	Amplification of actin polymerization forces. *Journal of Cell Biology*, **2016**, 212, 763-6	7.3	36
13	Balance of microtubule stiffness and cortical tension determines the size of blood cells with marginal band across species. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 4418-4423	11.5	28
12	Asymmetric division through a reduction of microtubule centering forces. *Journal of Cell Biology*, **2019**, 218, 771-782	7.3	18
11	A disassembly-driven mechanism explains F-actin-mediated chromosome transport in starfish oocytes. *ELife*, **2018**, 7,	8.9	15
10	The Perinuclear ER Scales Nuclear Size Independently of Cell Size in Early Embryos. *Developmental Cell*, **2020**, 54, 395-409.e7	10.2	14
9	A computational model of the early stages of acentriolar meiotic spindle assembly. *Molecular Biology of the Cell*, **2019**, 30, 863-875	3.5	13
8	Quantitative analysis of intra-Golgi transport shows intercisternal exchange for all cargo. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 15692-7	11.5	12
7	Geometrical Constraints Greatly Hinder Formin mDia1 Activity. *Nano Letters*, **2020**, 20, 22-32	11.5	8
6	ConfocalGN: A minimalistic confocal image generator. *SoftwareX*, **2017**, 6, 243-247	2.7	6
5	Systematic analysis of the molecular architecture of endocytosis reveals a nanoscale actin nucleation template that drives efficient vesicle formation		5
4	Elasticity of dense actin networks produces nanonewton protrusive forces		3
3	Scaling properties of centering forces. *Europhysics Letters*, **2019**, 125, 48001	1.6	2
2	Golgi apparatus: Homotypic fusion maintains biochemical gradients within the Golgi and improves the accuracy of protein maturation. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 718-21	5.6	2
1	Spindle assembly on immobilized chromatin micropatterns. *Methods in Enzymology*, **2014**, 540, 435-48	1.7	1