Gregory Alushin

List of Publications by Year
in descending order

15 papers	1,988 citations	567281 15 h-index	996975 15 g-index
16 all docs	16 docs citations	16 times ranked	2395 citing authors

#	Article	IF	Citations
1	High-Resolution Microtubule Structures Reveal the Structural Transitions in Î±Î²-Tubulin upon GTP Hydrolysis. Cell, 2014, 157, 1117-1129.	28.9	582
2	Mechanistic Origin of Microtubule Dynamic Instability and Its Modulation by EB Proteins. Cell, 2015, 162, 849-859.	28.9	367
3	The Ndc80 kinetochore complex forms oligomeric arrays along microtubules. Nature, 2010, 467, 805-810.	27.8	277
4	Direct Binding of Cenp-C to the Mis12 Complex Joins the Inner and Outer Kinetochore. Current Biology, 2011, 21, 391-398.	3.9	235
5	Multimodal microtubule binding by the Ndc80 kinetochore complex. Nature Structural and Molecular Biology, 2012, 19, 1161-1167.	8.2	86
6	Molecular requirements for the formation of a kinetochoreâ€“microtubule interface by Dam1 and Ndc80 complexes. Journal of Cell Biology, 2013, 200, 21-30.	5.2	79
7	Molecular mechanism for direct actin force-sensing by Î±-catenin. ELife, 2020, 9, .	6.0	62
8	Cryo-EM structures reveal specialization at the myosin VI-actin interface and a mechanism of force sensitivity. ELife, 2017, 6, .	6.0	58
9	Molecular Architecture and Connectivity of the Budding Yeast Mtw1 Kinetochore Complex. Journal of Molecular Biology, 2011, 405, 548-559.	4.2	53
10	The Structural Basis of Actin Organization by Vinculin and Metavinculin. Journal of Molecular Biology, 2016, 428, 10-25.	4.2	49
11	ACET is a highly potent and specific kainate receptor antagonist: Characterisation and effects on hippocampal mossy fibre function. Neuropharmacology, 2009, 56, 121-130.	4.1	44
12	The Microtubule Binding Properties of CENP-E's C-Terminus and CENP-F. Journal of Molecular Biology, 2013, 425, 4427-4441.	4.2	29
13	Binding site and ligand flexibility revealed by high resolution crystal structures of GluK1 competitive antagonists. Neuropharmacology, 2011, 60, 126-134.	4.1	24
14	Visualizing kinetochore architecture. Current Opinion in Structural Biology, 2011, 21, 661-669.	5.7	22
15	The Putative GTPase Encoded by MTG3 Functions in a Novel Pathway for Regulating Assembly of the Small Subunit of Yeast Mitochondrial Ribosomes. Journal of Biological Chemistry, 2012, 287, 24346-24355.	3.4	19