

Gregory Alushin

List of Publications by Year in descending order

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Version: 2024-02-01

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