

Kevin C Slep

List of Publications by Year in descending order

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37
papers

1,886
citations

361413

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345221

36
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43
all docs

43
docs citations

43
times ranked

2139
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural determinants for regulation of phosphodiesterase by a G protein at 2.0 Å... Nature, 2001, 409, 1071-1077.	27.8	256
2	Structural Basis of Microtubule Plus End Tracking by XMAP215, CLIP-170, and EB1. Molecular Cell, 2007, 27, 976-991.	9.7	233
3	The <i>Drosophila</i> afadin homologue Canoe regulates linkage of the actin cytoskeleton to adherens junctions during apical constriction. Journal of Cell Biology, 2009, 186, 57-73.	5.2	233
4	Structural determinants for EB1-mediated recruitment of APC and spectraplakins to the microtubule plus end. Journal of Cell Biology, 2005, 168, 587-598.	5.2	169
5	The Spectraplaklin Short Stop Is an Actin-Microtubule Cross-Linker That Contributes to Organization of the Microtubule Network. Molecular Biology of the Cell, 2010, 21, 1714-1724.	2.1	96
6	Structural and mechanistic insights into microtubule end-binding proteins. Current Opinion in Cell Biology, 2010, 22, 88-95.	5.4	74
7	The Structure of the Plk4 Cryptic Polo Box Reveals Two Tandem Polo Boxes Required for Centriole Duplication. Structure, 2012, 20, 1905-1917.	3.3	69
8	TOG-tubulin binding specificity promotes microtubule dynamics and mitotic spindle formation. Journal of Cell Biology, 2017, 216, 1641-1657.	5.2	55
9	Molecular architecture of $\text{G}\beta$ and the structural basis for RGS16-mediated deactivation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6243-6248.	7.1	53
10	A centrosome interactome provides insight into organelle assembly and reveals a non-duplication role for Plk4. Nature Communications, 2016, 7, 12476.	12.8	53
11	Crescerin uses a TOG domain array to regulate microtubules in the primary cilium. Molecular Biology of the Cell, 2015, 26, 4248-4264.	2.1	52
12	The role of TOG domains in microtubule plus end dynamics. Biochemical Society Transactions, 2009, 37, 1002-1006.	3.4	51
13	A Cryptic TOG Domain with a Distinct Architecture Underlies CLASP-Dependent Bipolar Spindle Formation. Structure, 2013, 21, 939-950.	3.3	50
14	The XMAP215 family drives microtubule polymerization using a structurally diverse TOG array. Molecular Biology of the Cell, 2014, 25, 2375-2392.	2.1	47
15	An ordered pattern of Ana2 phosphorylation by Plk4 is required for centriole assembly. Journal of Cell Biology, 2018, 217, 1217-1231.	5.2	47
16	The microtubule lattice and plus-end association of <i>Drosophila</i> Mini spindles is spatially regulated to fine-tune microtubule dynamics. Molecular Biology of the Cell, 2011, 22, 4343-4361.	2.1	34
17	Two Polo-like kinase 4 binding domains in Asterless perform distinct roles in regulating kinase stability. Journal of Cell Biology, 2015, 208, 401-414.	5.2	30
18	The Mechanism of Dynein Light Chain LC8-mediated Oligomerization of the Ana2 Centriole Duplication Factor. Journal of Biological Chemistry, 2014, 289, 20727-20739.	3.4	29

#	ARTICLE	IF	CITATIONS
19	The yeast dynein Dyn2-Pac11 complex is a dynein dimerization/processivity factor: structural and single-molecule characterization. <i>Molecular Biology of the Cell</i> , 2013, 24, 2362-2377.	2.1	28
20	Structure of a Yeast Dyn2-Nup159 Complex and Molecular Basis for Dynein Light Chain-Nuclear Pore Interaction. <i>Journal of Biological Chemistry</i> , 2012, 287, 15862-15873.	3.4	24
21	Control of microtubule dynamics using an optogenetic microtubule plus end-actin cross-linker. <i>Journal of Cell Biology</i> , 2018, 217, 779-793.	5.2	24
22	Asterless is a Polo-like kinase 4 substrate that both activates and inhibits kinase activity depending on its phosphorylation state. <i>Molecular Biology of the Cell</i> , 2018, 29, 2874-2886.	2.1	21
23	Multivalent interactions make adherens junction cytoskeletal linkage robust during morphogenesis. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	21
24	Newly Characterized Region of CP190 Associates with Microtubules and Mediates Proper Spindle Morphology in <i>Drosophila</i> Stem Cells. <i>PLoS ONE</i> , 2015, 10, e0144174.	2.5	19
25	Mapping multivalency in the CLIP-170-EB1 microtubule plus-end complex. <i>Journal of Biological Chemistry</i> , 2019, 294, 918-931.	3.4	18
26	γ -Tubulin and Microtubule-Binding Assays. <i>Methods in Molecular Biology</i> , 2011, 777, 87-97.	0.9	17
27	Structure of the ACF7 EF-Hand-GAR Module and Delineation of Microtubule Binding Determinants. <i>Structure</i> , 2017, 25, 1130-1138.e6.	3.3	15
28	Structures of TOG1 and TOG2 from the human microtubule dynamics regulator CLASP1. <i>PLoS ONE</i> , 2019, 14, e0219823.	2.5	15
29	A Cytoskeletal Symphony: Owed to TOG. <i>Developmental Cell</i> , 2018, 46, 5-7.	7.0	12
30	Biallelic mutations in the TOGARAM1 gene cause a novel primary ciliopathy. <i>Journal of Medical Genetics</i> , 2020, 58, jmedgenet-2020-106833.	3.2	12
31	<i>Drosophila melanogaster</i> Mini Spindles TOG3 Utilizes Unique Structural Elements to Promote Domain Stability and Maintain a TOG1- and TOG2-like Tubulin-binding Surface. <i>Journal of Biological Chemistry</i> , 2015, 290, 10149-10162.	3.4	10
32	Structure of the Human Discs Large 1 PDZ2 Adenomatous Polyposis Coli Cytoskeletal Polarity Complex: Insight into Peptide Engagement and PDZ Clustering. <i>PLoS ONE</i> , 2012, 7, e50097.	2.5	8
33	Stu2 uses a 15-nm parallel coiled coil for kinetochore localization and concomitant regulation of the mitotic spindle. <i>Molecular Biology of the Cell</i> , 2018, 29, 285-294.	2.1	5
34	The Secret of Centriole Length: Keep a LID on It. <i>Developmental Cell</i> , 2016, 37, 293-295.	7.0	1
35	Cytoskeletal cryptography: structure and mechanism of an eraser. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 532-534.	8.2	1
36	Cytoskeletal Repair: Microtubule Orthopaedics to the Rescue. <i>Current Biology</i> , 2020, 30, R646-R649.	3.9	1

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37	A microtubule dynamics reconstititional convention. Journal of Cell Biology, 2016, 215, 305-307.	5.2	0