

John S Allingham

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

1,181
citations

17
h-index

32
g-index

32
ext. papers

1,350
ext. citations

10.1
avg, IF

4.03
L-index

#	Paper	IF	Citations
31	These motors were made for walking. <i>Protein Science</i> , 2020 , 29, 1707-1723	6.3	5
30	Ste2 receptor-mediated chemotropism of <i>Fusarium graminearum</i> contributes to its pathogenicity against wheat. <i>Scientific Reports</i> , 2020 , 10, 10770	4.9	2
29	Conditional switching of KIF2A mutation provides new insights into cortical malformation pathogeny. <i>Human Molecular Genetics</i> , 2020 , 29, 766-784	5.6	9
28	Phasing with calcium at home. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019 , 75, 377-384	1.1	2
27	Kinesin-5 Is Dispensable for Bipolar Spindle Formation and Elongation in <i>Candida albicans</i> , but Simultaneous Loss of Kinesin-14 Activity Is Lethal. <i>MSphere</i> , 2019 , 4,	5	1
26	Loss-of-function mutations in KIF14 cause severe microcephaly and kidney development defects in humans and zebrafish. <i>Human Molecular Genetics</i> , 2019 , 28, 778-795	5.6	22
25	Ternary complex of Kif2A-bound tandem tubulin heterodimers represents a kinesin-13-mediated microtubule depolymerization reaction intermediate. <i>Nature Communications</i> , 2018 , 9, 2628	17.4	27
24	Peptide backbone circularization enhances antifreeze protein thermostability. <i>Protein Science</i> , 2017 , 26, 1932-1941	6.3	7
23	Structure of a 1.5-MDa adhesin that binds its Antarctic bacterium to diatoms and ice. <i>Science Advances</i> , 2017 , 3, e1701440	14.3	52
22	<i>Candida albicans</i> Kinesin Kar3 Depends on a Cik1-Like Regulatory Partner Protein for Its Roles in Mating, Cell Morphogenesis, and Bipolar Spindle Formation. <i>Eukaryotic Cell</i> , 2015 , 14, 755-74		3
21	An antifreeze protein folds with an interior network of more than 400 semi-clathrate waters. <i>Science</i> , 2014 , 343, 795-8	33.3	122
20	KIF14 binds tightly to microtubules and adopts a rigor-like conformation. <i>Journal of Molecular Biology</i> , 2014 , 426, 2997-3015	6.5	33
19	Crystal structure of calpain-3 penta-EF-hand (PEF) domain - a homodimerized PEF family member with calcium bound at the fifth EF-hand. <i>FEBS Journal</i> , 2014 , 281, 3138-49	5.7	22
18	Role of Ca ²⁺ in folding the tandem β -sandwich extender domains of a bacterial ice-binding adhesin. <i>FEBS Journal</i> , 2013 , 280, 5919-32	5.7	17
17	Kar3Vik1 mechanochemistry is inhibited by mutation or deletion of the C terminus of the Vik1 subunit. <i>Journal of Biological Chemistry</i> , 2013 , 288, 36957-70	5.4	4
16	Crystal structure of the <i>Candida albicans</i> Kar3 kinesin motor domain fused to maltose-binding protein. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 428, 427-32	3.4	4
15	Crystal structure of the Kar3-like kinesin motor domain from the filamentous fungus <i>Ashbya gossypii</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2012 , 80, 1016-27	4.2	7

14	Neck rotation and neck mimic docking in the noncatalytic Kar3-associated protein Vik1. <i>Journal of Biological Chemistry</i> , 2012 , 287, 40292-301	5.4	9
13	Functional adaptation between yeast actin and its cognate myosin motors. <i>Journal of Biological Chemistry</i> , 2011 , 286, 30384-30392	5.4	5
12	Actin-binding cleft closure in myosin II probed by site-directed spin labeling and pulsed EPR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 12867-72	11.5	41
11	The small molecule tool (S)-(-)-blebbistatin: novel insights of relevance to myosin inhibitor design. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 2076-84	3.9	29
10	Actin-binding toxin "tail" wags the dog. <i>Chemistry and Biology</i> , 2008 , 15, 205-7		3
9	Vik1 modulates microtubule-Kar3 interactions through a motor domain that lacks an active site. <i>Cell</i> , 2007 , 128, 1161-72	56.2	72
8	A structural basis for regulation of actin polymerization by pectenotoxins. <i>Journal of Molecular Biology</i> , 2007 , 371, 959-70	6.5	58
7	The structural basis of blebbistatin inhibition and specificity for myosin II. <i>Nature Structural and Molecular Biology</i> , 2005 , 12, 378-9	17.6	228
6	Structures of microfilament destabilizing toxins bound to actin provide insight into toxin design and activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 14527-32	11.5	80
5	Absolute stereochemistry of ulapualide A. <i>Organic Letters</i> , 2004 , 6, 597-9	6.2	45
4	Trisoxazole macrolide toxins mimic the binding of actin-capping proteins to actin. <i>Nature Structural and Molecular Biology</i> , 2003 , 10, 1058-63	17.6	134
3	Mechanisms of metal ion action in Tn10 transposition. <i>Journal of Molecular Biology</i> , 2002 , 319, 53-65	6.5	23
2	The RAG1/RAG2 complex constitutes a 3Vflap endonuclease: implications for junctional diversity in V(D)J and transpositional recombination. <i>Molecular Cell</i> , 1999 , 4, 935-47	17.6	70
1	All three residues of the Tn 10 transposase DDE catalytic triad function in divalent metal ion binding. <i>Journal of Molecular Biology</i> , 1999 , 289, 1195-206	6.5	45