Adrian O Olivares

List of Publications by Year
in descending order

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Version: 2024-02-01

29	1,491	471061 17	610482 24
papers	citations	h-index	g-index

31	31	31	1521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanical Protein Unfolding and Degradation. Annual Review of Physiology, 2018, 80, 413-429.	5.6	70
2	Effect of directional pulling on mechanical protein degradation by ATP-dependent proteolytic machines. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6306-E6313.	3.3	44
3	Mechanically Watching the ClpXP Proteolytic Machinery. Methods in Molecular Biology, 2017, 1486, 317-341.	0.4	8
4	Mechanistic insights into bacterial AAA+ proteases and protein-remodelling machines. Nature Reviews Microbiology, 2016, 14, 33-44.	13.6	243
5	Dissection of Axial-Pore Loop Function during Unfolding and Translocation by a AAA+ Proteolytic Machine. Cell Reports, 2015, 12, 1032-1041.	2.9	48
6	Stochastic but Highly Coordinated Protein Unfolding and Translocation by the ClpXP Proteolytic Machine. Cell, 2014, 158, 647-658.	13.5	120
7	Mechanochemical basis of protein degradation by a double-ring AAA+ machine. Nature Structural and Molecular Biology, 2014, 21, 871-875.	3.6	77
8	Single-Molecule Protein Unfolding and Translocation by an ATP-Fueled Proteolytic Machine. Cell, 2011, 145, 257-267.	13.5	251
9	A Myosinâ€...V Inhibitor Based on Privileged Chemical Scaffolds. Angewandte Chemie - International Edition, 2010, 49, 8484-8488.	7.2	39
10	Robust processivity of myosin V under off-axis loads. Nature Chemical Biology, 2010, 6, 300-305.	3.9	23
11	Myosin Isoform Determines the Conformational Dynamics and Cooperativity of Actin Filaments in the Strongly Bound Actomyosin Complex. Journal of Molecular Biology, 2010, 396, 501-509.	2.0	42
12	Watching the walk: Observing chemoâ€mechanical coupling in a processive myosin motor. HFSP Journal, 2009, 3, 67-70.	2.5	2
13	1P-124 Versatility of the unbinding force measurements at the single-molecule level adapted to different molecular motors(Molecular motor, The 47th Annual Meeting of the Biophysical Society of) Tj ETQq1 1 0.784314 rgBT /Overlo		
14	1P-138 Role of the lever arm in the subunit coordination in myosin V(Molecular motor, The 47th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	0.0	0
15	1TA4-06 Role of the lever arm in the subunit coordination in myosin V(The 47th Annual Meeting of the) Tj ETQq1 1 0.784314 rgBT /O	0.0	0
16	Structural and Energetic Analysis of Activation by a Cyclic Nucleotide Binding Domain. Journal of Molecular Biology, 2008, 381, 655-669.	2.0	33
17	Widely Distributed Residues in Thymosin Î²4 Are Critical for Actin Bindingâ€. Biochemistry, 2008, 47, 4181-4188.	1.2	6
18	Load-dependent ADP binding to myosins V and VI: Implications for subunit coordination and function. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7714-7719.	3.3	91

#	Article	IF	Citations
19	How the Load and the Nucleotide State Affect the Actin Filament Binding Mode of the Molecular Motor Myosin V. Journal of the Korean Physical Society, 2008, 53, 1726-1731.	0.3	3
20	2P132 Angular dependence of ADP dissociation kinetics in myosin V under directional loading(Molecular motors,Oral Presentations). Seibutsu Butsuri, 2007, 47, S146.	0.0	0
21	1P534 Loading direction controls the ADP affinity of myosin V.(26. Single molecule biophysics,Poster) Tj ETQq1 1 0.784314 rgBT /Ov	0.0	0
22	Single-molecular analysis of the binding state of myosin V and actin. Journal of Physics: Conference Series, 2006, 31, 239-240.	0.3	0
23	The Tail Domain of Myosin Va Modulates Actin Binding to One Head. Journal of Biological Chemistry, 2006, 281, 31326-31336.	1.6	35
24	The Tail Domain of Myosin Va Modulates Actin Binding to One Head. Journal of Biological Chemistry, 2006, 281, 31326-31336.	1.6	11
25	Holding the reins on Myosin V. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13719-13720.	3.3	11
26	Magnesium, ADP, and Actin Binding Linkage of Myosin V:Â Evidence for Multiple Myosin Vâ˜'ADP and Actomyosin Vâ˜'ADP Statesâ€. Biochemistry, 2005, 44, 8826-8840.	1.2	82
27	Mechanism of Nucleotide Binding to Actomyosin VI. Journal of Biological Chemistry, 2004, 279, 38608-38617.	1.6	56
28	Mechanochemical coupling of two substeps in a single myosin V motor. Nature Structural and Molecular Biology, 2004, 11, 877-883.	3.6	166
29	Synthesis, in vitro, and in vivo evaluation of phosphate ester derivatives of combretastatin A-4. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 1505-1508.	1.0	28