Adrian O Olivares

List of Publications by Year
in descending order

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	Single-Molecule Protein Unfolding and Translocation by an ATP-Fueled Proteolytic Machine. Cell, 2011, 145, 257-267.	13.5	251
2	Mechanistic insights into bacterial AAA+ proteases and protein-remodelling machines. Nature Reviews Microbiology, 2016, 14, 33-44.	13.6	243
3	Mechanochemical coupling of two substeps in a single myosin V motor. Nature Structural and Molecular Biology, 2004, 11, 877-883.	3.6	166
4	Stochastic but Highly Coordinated Protein Unfolding and Translocation by the ClpXP Proteolytic Machine. Cell, 2014, 158, 647-658.	13.5	120
5	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
6	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
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	Mechanical Protein Unfolding and Degradation. Annual Review of Physiology, 2018, 80, 413-429.	5.6	70
9	Mechanism of Nucleotide Binding to Actomyosin VI. Journal of Biological Chemistry, 2004, 279, 38608-38617.	1.6	56
10	Dissection of Axial-Pore Loop Function during Unfolding and Translocation by a AAA+ Proteolytic Machine. Cell Reports, 2015, 12, 1032-1041.	2.9	48
11	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
12	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
13	A Myosinâ€…V Inhibitor Based on Privileged Chemical Scaffolds. Angewandte Chemie - International Edition, 2010, 49, 8484-8488.	7.2	39
14	The Tail Domain of Myosin Va Modulates Actin Binding to One Head. Journal of Biological Chemistry, 2006, 281, 31326-31336.	1.6	35
15	Structural and Energetic Analysis of Activation by a Cyclic Nucleotide Binding Domain. Journal of Molecular Biology, 2008, 381, 655-669.	2.0	33
16	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
17	Robust processivity of myosin V under off-axis loads. Nature Chemical Biology, 2010, 6, 300-305.	3.9	23
18	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

#	Article	IF	Citations
19	The Tail Domain of Myosin Va Modulates Actin Binding to One Head. Journal of Biological Chemistry, 2006, 281, 31326-31336.	1.6	11
20	Mechanically Watching the ClpXP Proteolytic Machinery. Methods in Molecular Biology, 2017, 1486, 317-341.	0.4	8
21	Widely Distributed Residues in Thymosin Î²4 Are Critical for Actin Bindingâ€. Biochemistry, 2008, 47, 4181-4188.	1.2	6
22	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
23	Watching the walk: Observing chemoâ€mechanical coupling in a processive myosin motor. HFSP Journal, 2009, 3, 67-70.	2.5	2
24	1P534 Loading direction controls the ADP affinity of myosin V.(26. Single molecule biophysics,Poster) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.0	0
25	Single-molecular analysis of the binding state of myosin V and actin. Journal of Physics: Conference Series, 2006, 31, 239-240.	0.3	0
26	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
27	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 /Over	0.0	0
28	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 3	0.0	0
29	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