

Alvaro H Crevenna

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5067321/publications.pdf>

Version: 2024-02-01

31
papers

3,221
citations

430442

18
h-index

525886

27
g-index

36
all docs

36
docs citations

36
times ranked

6118
citing authors

#	ARTICLE	IF	CITATIONS
1	Lifect: a versatile marker to visualize F-actin. <i>Nature Methods</i> , 2008, 5, 605-607.	9.0	1,928
2	Processive Movement of MreB-Associated Cell Wall Biosynthetic Complexes in Bacteria. <i>Science</i> , 2011, 333, 225-228.	6.0	491
3	Inhibition of kinesin motility by ADP and phosphate supports a hand-over-hand mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1183-1188.	3.3	103
4	Cortical actin dynamics driven by formins and myosin V. <i>Journal of Cell Science</i> , 2011, 124, 1533-1541.	1.2	65
5	Directional Photonic Wire Mediated by Homo-Förster Resonance Energy Transfer on a DNA Origami Platform. <i>ACS Nano</i> , 2017, 11, 11264-11272.	7.3	61
6	Electrostatics Control Actin Filament Nucleation and Elongation Kinetics. <i>Journal of Biological Chemistry</i> , 2013, 288, 12102-12113.	1.6	48
7	Structural Dynamics of the YidC:Ribosome Complex during Membrane Protein Biogenesis. <i>Cell Reports</i> , 2016, 17, 2943-2954.	2.9	48
8	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. <i>Nature Cell Biology</i> , 2018, 20, 1172-1180.	4.6	48
9	Effects of Hofmeister Ions on the α -Helical Structure of Proteins. <i>Biophysical Journal</i> , 2012, 102, 907-915.	0.2	46
10	Secretory cargo sorting by Ca ²⁺ -dependent Cab45 oligomerization at the trans-Golgi network. <i>Journal of Cell Biology</i> , 2016, 213, 305-314.	2.3	45
11	Structural basis for the extended CAP-Gly domains of p150 ^{glued} binding to microtubules and the implication for tubulin dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11347-11352.	3.3	39
12	Cofilin recruits F-actin to SPCA1 and promotes Ca ²⁺ -mediated secretory cargo sorting. <i>Journal of Cell Biology</i> , 2014, 206, 635-654.	2.3	37
13	Regulating Contractility of the Actomyosin Cytoskeleton by pH. <i>Cell Reports</i> , 2012, 2, 433-439.	2.9	35
14	Influence of protein kinases on the osmosensitive release of taurine from cerebellar granule neurons. <i>Neurochemistry International</i> , 2001, 38, 153-161.	1.9	32
15	Actin stabilizing compounds show specific biological effects due to their binding mode. <i>Scientific Reports</i> , 2019, 9, 9731.	1.6	30
16	Role of the Cytosolic Loop C2 and the C Terminus of YidC in Ribosome Binding and Insertion Activity. <i>Journal of Biological Chemistry</i> , 2015, 290, 17250-17261.	1.6	29
17	Side-binding proteins modulate actin filament dynamics. <i>ELife</i> , 2015, 4, .	2.8	23
18	Secondary Structure and Compliance of a Predicted Flexible Domain in Kinesin-1 Necessary for Cooperation of Motors. <i>Biophysical Journal</i> , 2008, 95, 5216-5227.	0.2	22

#	ARTICLE	IF	CITATIONS
19	A DNA Origami Platform for Single-Pair Förster Resonance Energy Transfer Investigation of DNA-DNA Interactions and Ligation. <i>Journal of the American Chemical Society</i> , 2020, 142, 815-825.	6.6	21
20	Quantitative Analysis of Filament Branch Orientation in <i>Listeria</i> Actin Comet Tails. <i>Biophysical Journal</i> , 2016, 110, 817-826.	0.2	20
21	Covalent dye attachment influences the dynamics and conformational properties of flexible peptides. <i>PLoS ONE</i> , 2017, 12, e0177139.	1.1	18
22	Modulation of cross-linked actin networks by pH. <i>Soft Matter</i> , 2012, 8, 9685.	1.2	12
23	Chivosazole A Modulates Protein-Protein Interactions of Actin. <i>Journal of Natural Products</i> , 2019, 82, 1961-1970.	1.5	8
24	Zero-mode waveguides visualize the first steps during gelsolin-mediated actin filament formation. <i>Biophysical Journal</i> , 2022, 121, 327-335.	0.2	5
25	Pilot Investigation on p75 ^{ICD} Expression in Laryngeal Squamous Cell Carcinoma. <i>Cancers</i> , 2022, 14, 2622.	1.7	2
26	Establishing a DNA Origami Platform for Single-Molecule Fluorescence Studies of DNA Double-Strand Break Repair. <i>Biophysical Journal</i> , 2017, 112, 515a.	0.2	1
27	Analysis tools for single-monomer measurements of self-assembly processes. <i>Scientific Reports</i> , 2022, 12, 4682.	1.6	1
28	Actin Nucleation and Polymerization Investigated using Fluorescence Fluctuation Spectroscopy. <i>Biophysical Journal</i> , 2010, 98, 747a.	0.2	0
29	How Proteins Unfold. <i>Biophysical Journal</i> , 2012, 102, 43a-44a.	0.2	0
30	Direct Monomer-By-Monomer Observation of Gelsolin-Mediated Actin Filament Nucleation. <i>Biophysical Journal</i> , 2015, 108, 508a.	0.2	0
31	Dynamical Properties of Flexible Peptides are Modified by Covalent Fluorophore Attachment: A Combined Fluorescence and Molecular Dynamics Study. <i>Biophysical Journal</i> , 2017, 112, 208a.	0.2	0