

Alvaro H Crevenna

List of Publications by Citations

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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.

26

papers

2,531

citations

17

h-index

36

g-index

36

ext. papers

3,009

ext. citations

7.3

avg, IF

4.34

L-index

#	Paper	IF	Citations
26	Lifect: a versatile marker to visualize F-actin. <i>Nature Methods</i> , 2008 , 5, 605-7	21.6	1530
25	Processive movement of MreB-associated cell wall biosynthetic complexes in bacteria. <i>Science</i> , 2011 , 333, 225-8	33.3	397
24	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, 1183-8	11.5	87
23	Cortical actin dynamics driven by formins and myosin V. <i>Journal of Cell Science</i> , 2011 , 124, 1533-41	5.3	60
22	Directional Photonic Wire Mediated by Homo-Förster Resonance Energy Transfer on a DNA Origami Platform. <i>ACS Nano</i> , 2017 , 11, 11264-11272	16.7	45
21	Effects of Hofmeister ions on the helical structure of proteins. <i>Biophysical Journal</i> , 2012 , 102, 907-15	2.9	41
20	Electrostatics control actin filament nucleation and elongation kinetics. <i>Journal of Biological Chemistry</i> , 2013 , 288, 12102-13	5.4	35
19	Structural Dynamics of the YidC:Ribosome Complex during Membrane Protein Biogenesis. <i>Cell Reports</i> , 2016 , 17, 2943-2954	10.6	34
18	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, 11347-52	11.5	32
17	Influence of protein kinases on the osmosensitive release of taurine from cerebellar granule neurons. <i>Neurochemistry International</i> , 2001 , 38, 153-61	4.4	31
16	Secretory cargo sorting by Ca ²⁺ -dependent Cab45 oligomerization at the trans-Golgi network. <i>Journal of Cell Biology</i> , 2016 , 213, 305-14	7.3	30
15	Cofilin recruits F-actin to SPCA1 and promotes Ca ²⁺ -mediated secretory cargo sorting. <i>Journal of Cell Biology</i> , 2014 , 206, 635-54	7.3	27
14	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. <i>Nature Cell Biology</i> , 2018 , 20, 1172-1180	23.4	25
13	Regulating contractility of the actomyosin cytoskeleton by pH. <i>Cell Reports</i> , 2012 , 2, 433-9	10.6	24
12	Actin stabilizing compounds show specific biological effects due to their binding mode. <i>Scientific Reports</i> , 2019 , 9, 9731	4.9	21
11	Secondary structure and compliance of a predicted flexible domain in kinesin-1 necessary for cooperation of motors. <i>Biophysical Journal</i> , 2008 , 95, 5216-27	2.9	20
10	Side-binding proteins modulate actin filament dynamics. <i>ELife</i> , 2015 , 4,	8.9	18

9	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, 17250-61	5.4	17
8	Quantitative Analysis of Filament Branch Orientation in Listeria Actin Comet Tails. <i>Biophysical Journal</i> , 2016 , 110, 817-26	2.9	16
7	Modulation of cross-linked actin networks by pH. <i>Soft Matter</i> , 2012 , 8, 9685	3.6	11
6	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	16.4	11
5	Covalent dye attachment influences the dynamics and conformational properties of flexible peptides. <i>PLoS ONE</i> , 2017 , 12, e0177139	3.7	10
4	Chivosazole A Modulates Protein-Protein Interactions of Actin. <i>Journal of Natural Products</i> , 2019 , 82, 1961-1970	4.9	5
3	Zero-mode waveguides visualize the first steps during gelsolin-mediated actin filament formation.. <i>Biophysical Journal</i> , 2021 ,	2.9	1
2	Analysis tools for single-monomer measurements of self-assembly processes.. <i>Scientific Reports</i> , 2022 , 12, 4682	4.9	1
1	Pilot Investigation on p75ICD Expression in Laryngeal Squamous Cell Carcinoma. <i>Cancers</i> , 2022 , 14, 26226.6		0