Alvaro H Crevenna

List of Publications by Year in Descending Order

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	Analysis tools for single-monomer measurements of self-assembly processes.. *Scientific Reports*, **2022**, 12, 4682	4.9	1
25	Pilot Investigation on p75ICD Expression in Laryngeal Squamous Cell Carcinoma. *Cancers*, **2022**, 14, 2622	6.6	0
24	Zero-mode waveguides visualize the first steps during gelsolin-mediated actin filament formation.. *Biophysical Journal*, **2021**,	2.9	1
23	A DNA Origami Platform for Single-Pair Förster Resonance Energy Transfer Investigation of DNA-DNA Interactions and Ligation. *Journal of the American Chemical Society*, **2020**, 142, 815-825	16.4	11
22	Actin stabilizing compounds show specific biological effects due to their binding mode. *Scientific Reports*, **2019**, 9, 9731	4.9	21
21	Chivosazole A Modulates Protein-Protein Interactions of Actin. *Journal of Natural Products*, **2019**, 82, 1961-1970	4.9	5
20	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. *Nature Cell Biology*, **2018**, 20, 1172-1180	23.4	25
19	Directional Photonic Wire Mediated by Homo-Förster Resonance Energy Transfer on a DNA Origami Platform. *ACS Nano*, **2017**, 11, 11264-11272	16.7	45
18	Covalent dye attachment influences the dynamics and conformational properties of flexible peptides. *PLoS ONE*, **2017**, 12, e0177139	3.7	10
17	Quantitative Analysis of Filament Branch Orientation in Listeria Actin Comet Tails. *Biophysical Journal*, **2016**, 110, 817-26	2.9	16
16	Structural Dynamics of the YidC:Ribosome Complex during Membrane Protein Biogenesis. *Cell Reports*, **2016**, 17, 2943-2954	10.6	34
15	Secretory cargo sorting by Ca2+-dependent Cab45 oligomerization at the trans-Golgi network. *Journal of Cell Biology*, **2016**, 213, 305-14	7.3	30
14	Role of the Cytosolic Loop C2 and the C Terminus of YidC in Ribosome Binding and Insertion Activity. *Journal of Biological Chemistry*, **2015**, 290, 17250-61	5.4	17
13	Side-binding proteins modulate actin filament dynamics. *ELife*, **2015**, 4,	8.9	18
12	Cofilin recruits F-actin to SPCA1 and promotes Ca2+-mediated secretory cargo sorting. *Journal of Cell Biology*, **2014**, 206, 635-54	7.3	27
11	Structural basis for the extended CAP-Gly domains of p150(glued) binding to microtubules and the implication for tubulin dynamics. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 11347-52	11.5	32
10	Electrostatics control actin filament nucleation and elongation kinetics. *Journal of Biological Chemistry*, **2013**, 288, 12102-13	5.4	35

List of Publications

9	Regulating contractility of the actomyosin cytoskeleton by pH. *Cell Reports*, **2012**, 2, 433-9	10.6	24
8	Effects of Hofmeister ions on the α-helical structure of proteins. *Biophysical Journal*, **2012**, 102, 907-15	2.9	41
7	Modulation of cross-linked actin networks by pH. *Soft Matter*, **2012**, 8, 9685	3.6	11
6	Processive movement of MreB-associated cell wall biosynthetic complexes in bacteria. *Science*, **2011**, 333, 225-8	33.3	397
5	Cortical actin dynamics driven by formins and myosin V. *Journal of Cell Science*, **2011**, 124, 1533-41	5.3	60
4	Lifeact: a versatile marker to visualize F-actin. *Nature Methods*, **2008**, 5, 605-7	21.6	1530
3	Secondary structure and compliance of a predicted flexible domain in kinesin-1 necessary for cooperation of motors. *Biophysical Journal*, **2008**, 95, 5216-27	2.9	20
2	Inhibition of kinesin motility by ADP and phosphate supports a hand-over-hand mechanism. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 1183-8	11.5	87
1	Influence of protein kinases on the osmosensitive release of taurine from cerebellar granule neurons. *Neurochemistry International*, **2001**, 38, 153-61	4.4	31