William M Brieher

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3912884/publications.pdf

Version: 2024-02-01

36 papers	3,169 citations	304743 22 h-index	330143 37 g-index
41 all docs	41 docs citations	41 times ranked	3567 citing authors

#	Article	IF	Citations
1	Synaptopodin stress fiber and contractomere at the epithelial junction. Journal of Cell Biology, 2022, 221, .	5.2	4
2	Cadherin puncta are interdigitated dynamic actin protrusions necessary for stable cadherin adhesion. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
3	CD2AP links actin to PI3 kinase activity to extend epithelial cell height and constrain cell area. Journal of Cell Biology, 2020, 219, .	5.2	8
4	Actin protrusions push at apical junctions to maintain E-cadherin adhesion. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 432-438.	7.1	59
5	Mechanism of Long-Range Chromosome Motion Triggered by Gene Activation. Developmental Cell, 2020, 52, 309-320.e5.	7.0	32
6	Catastrophic actin filament bursting by cofilin, Aip1, and coronin. Journal of Biological Chemistry, 2020, 295, 13299-13313.	3.4	21
7	The actin filament bundling protein Î±-actinin-4 actually suppresses actin stress fibers by permitting actin turnover. Journal of Biological Chemistry, 2018, 293, 14520-14533.	3.4	26
8	CRMP-1 enhances EVL-mediated actin elongation to build lamellipodia and the actin cortex. Journal of Cell Biology, 2017, 216, 2463-2479.	5.2	24
9	Collapsin Response Mediator Protein-1 Regulates Arp2/3-dependent Actin Assembly. Journal of Biological Chemistry, 2016, 291, 658-664.	3.4	10
10	Aip1 Destabilizes Cofilin-Saturated Actin Filaments by Severing and Accelerating Monomer Dissociation from Ends. Current Biology, 2014, 24, 2749-2757.	3.9	67
11	Cadherin junctions and their cytoskeleton(s). Current Opinion in Cell Biology, 2013, 25, 39-46.	5.4	123
12	FSGS3/CD2AP is a barbed-end capping protein that stabilizes actin and strengthens adherens junctions. Journal of Cell Biology, 2013, 203, 815-833.	5.2	68
13	Mechanisms of actin disassembly. Molecular Biology of the Cell, 2013, 24, 2299-2302.	2.1	53
14	Î±-Actinin-4/FSGS1 is required for Arp2/3-dependent actin assembly at the adherens junction. Journal of Cell Biology, 2012, 196, 115-130.	5.2	152
15	Cyclase-associated Protein (CAP) Acts Directly on F-actin to Accelerate Cofilin-mediated Actin Severing across the Range of Physiological pH. Journal of Biological Chemistry, 2012, 287, 35722-35732.	3.4	64
16	The Natural Product Cucurbitacin E Inhibits Depolymerization of Actin Filaments. ACS Chemical Biology, 2012, 7, 1502-1508.	3.4	51
17	Facioscapulohumeral Muscular Dystrophy Region Gene 1 Is a Dynamic RNA-Associated and Actin-Bundling Protein. Journal of Molecular Biology, 2011, 411, 397-416.	4.2	22
18	Facioscapulohumeral muscular dystrophy region gene-1 (FRG-1) is an actin-bundling protein associated with muscle-attachment sites. Journal of Cell Science, 2010, 123, 1116-1123.	2.0	37

#	Article	IF	Citations
19	Quantitative Analysis of Actin Turnover in Listeria Comet Tails: Evidence for Catastrophic Filament Turnover. Biophysical Journal, 2010, 99, 2153-2162.	0.5	21
20	Some pharmacological properties of cyclic and linear analogs obtained by substituting each residue of an oxytocin antagonist with d-tryptophan. International Journal of Peptide and Protein Research, 2009, 38, 169-175.	0.1	11
21	A Quantitative Analysis of Contractility in Active Cytoskeletal Protein Networks. Biophysical Journal, 2008, 94, 3126-3136.	0.5	274
22	Coronin-1A Stabilizes F-Actin by Bridging Adjacent Actin Protomers and Stapling Opposite Strands of the Actin Filament. Journal of Molecular Biology, 2008, 376, 607-613.	4.2	48
23	Dynamic stabilization of actin filaments. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16531-16536.	7.1	69
24	Actin disassembly by cofilin, coronin, and Aip1 occurs in bursts and is inhibited by barbed-end cappers. Journal of Cell Biology, 2008, 182, 341-353.	5.2	161
25	A Type III Secretion System in Vibrio cholerae Translocates a Formin/Spire Hybrid-like Actin Nucleator to Promote Intestinal Colonization. Cell Host and Microbe, 2007, 1, 95-107.	11.0	142
26	Caspase-11 regulates cell migration by promoting Aip1â€“Cofilin-mediated actin depolymerization. Nature Cell Biology, 2007, 9, 276-286.	10.3	122
27	Cell-Free Extract Systems and the Cytoskeleton. Methods in Molecular Biology, 2007, 369, 199-212.	0.9	3
28	Rapid actin monomerâ€“insensitive depolymerization of Listeria actin comet tails by cofilin, coronin, and Aip1. Journal of Cell Biology, 2006, 175, 315-324.	5.2	128
29	Fascin-mediated propulsion of Listeria monocytogenes independent of frequent nucleation by the Arp2/3 complex. Journal of Cell Biology, 2004, 165, 233-242.	5.2	86
30	Antagonists of oxytocin featuring replacement with modified Î²-mercaptopropionic acids at position 1. Journal of Peptide Science, 2002, 8, 314-326.	1.4	14
31	Analysis of C-cadherin Regulation during Tissue Morphogenesis with an Activating Antibody. Journal of Cell Biology, 1999, 144, 351-359.	5.2	104
32	MOLECULAR AND FUNCTIONAL ANALYSIS OF CADHERIN-BASED ADHERENS JUNCTIONS. Annual Review of Cell and Developmental Biology, 1997, 13, 119-146.	9.4	759
33	Lateral clustering of the adhesive ectodomain: a fundamental determinant of cadherin function. Current Biology, 1997, 7, 308-315.	3.9	333
34	Systematic substitution of an oxytocin antagonist with D-amino acids; unexpected high antagonistic potency of the D-Cys6-substituted analog. Journal of Medicinal Chemistry, 1993, 36, 747-749.	6.4	12
35	Design of potent oxytocin antagonists featuring D-tryptophan at position 2. Journal of Medicinal Chemistry, 1991, 34, 642-646.	6.4	27
36	Improvement in potency of an oxytocin antagonist after systematic substitutions with L-tryptophan. Journal of Medicinal Chemistry, 1991, 34, 2089-2094.	6.4	11