

William M Brieher

List of Publications by Year in descending order

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36
papers

3,169
citations

304743

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docs citations

41
times ranked

3567
citing authors

#	ARTICLE	IF	CITATIONS
1	MOLECULAR AND FUNCTIONAL ANALYSIS OF CADHERIN-BASED ADHERENS JUNCTIONS. <i>Annual Review of Cell and Developmental Biology</i> , 1997, 13, 119-146.	9.4	759
2	Lateral clustering of the adhesive ectodomain: a fundamental determinant of cadherin function. <i>Current Biology</i> , 1997, 7, 308-315.	3.9	333
3	A Quantitative Analysis of Contractility in Active Cytoskeletal Protein Networks. <i>Biophysical Journal</i> , 2008, 94, 3126-3136.	0.5	274
4	Actin disassembly by cofilin, coronin, and Aip1 occurs in bursts and is inhibited by barbed-end cappers. <i>Journal of Cell Biology</i> , 2008, 182, 341-353.	5.2	161
5	Î±-Actinin-4/FSGS1 is required for Arp2/3-dependent actin assembly at the adherens junction. <i>Journal of Cell Biology</i> , 2012, 196, 115-130.	5.2	152
6	A Type III Secretion System in <i>Vibrio cholerae</i> Translocates a Formin/Spire Hybrid-like Actin Nucleator to Promote Intestinal Colonization. <i>Cell Host and Microbe</i> , 2007, 1, 95-107.	11.0	142
7	Rapid actin monomer-insensitive depolymerization of <i>Listeria</i> actin comet tails by cofilin, coronin, and Aip1. <i>Journal of Cell Biology</i> , 2006, 175, 315-324.	5.2	128
8	Cadherin junctions and their cytoskeleton(s). <i>Current Opinion in Cell Biology</i> , 2013, 25, 39-46.	5.4	123
9	Caspase-11 regulates cell migration by promoting Aip1-mediated Cofilin-mediated actin depolymerization. <i>Nature Cell Biology</i> , 2007, 9, 276-286.	10.3	122
10	Analysis of C-cadherin Regulation during Tissue Morphogenesis with an Activating Antibody. <i>Journal of Cell Biology</i> , 1999, 144, 351-359.	5.2	104
11	Fascin-mediated propulsion of <i>Listeria monocytogenes</i> independent of frequent nucleation by the Arp2/3 complex. <i>Journal of Cell Biology</i> , 2004, 165, 233-242.	5.2	86
12	Dynamic stabilization of actin filaments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16531-16536.	7.1	69
13	FSGS3/CD2AP is a barbed-end capping protein that stabilizes actin and strengthens adherens junctions. <i>Journal of Cell Biology</i> , 2013, 203, 815-833.	5.2	68
14	Aip1 Destabilizes Cofilin-Saturated Actin Filaments by Severing and Accelerating Monomer Dissociation from Ends. <i>Current Biology</i> , 2014, 24, 2749-2757.	3.9	67
15	Cyclase-associated Protein (CAP) Acts Directly on F-actin to Accelerate Cofilin-mediated Actin Severing across the Range of Physiological pH. <i>Journal of Biological Chemistry</i> , 2012, 287, 35722-35732.	3.4	64
16	Actin protrusions push at apical junctions to maintain E-cadherin adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 432-438.	7.1	59
17	Mechanisms of actin disassembly. <i>Molecular Biology of the Cell</i> , 2013, 24, 2299-2302.	2.1	53
18	The Natural Product Cucurbitacin E Inhibits Depolymerization of Actin Filaments. <i>ACS Chemical Biology</i> , 2012, 7, 1502-1508.	3.4	51

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19	Coronin-1A Stabilizes F-Actin by Bridging Adjacent Actin Protomers and Stapling Opposite Strands of the Actin Filament. <i>Journal of Molecular Biology</i> , 2008, 376, 607-613.	4.2	48
20	Facioscapulohumeral muscular dystrophy region gene-1 (FRG-1) is an actin-bundling protein associated with muscle-attachment sites. <i>Journal of Cell Science</i> , 2010, 123, 1116-1123.	2.0	37
21	Mechanism of Long-Range Chromosome Motion Triggered by Gene Activation. <i>Developmental Cell</i> , 2020, 52, 309-320.e5.	7.0	32
22	Design of potent oxytocin antagonists featuring D-tryptophan at position 2. <i>Journal of Medicinal Chemistry</i> , 1991, 34, 642-646.	6.4	27
23	The actin filament bundling protein \hat{I} -actinin-4 actually suppresses actin stress fibers by permitting actin turnover. <i>Journal of Biological Chemistry</i> , 2018, 293, 14520-14533.	3.4	26
24	CRMP-1 enhances EVL-mediated actin elongation to build lamellipodia and the actin cortex. <i>Journal of Cell Biology</i> , 2017, 216, 2463-2479.	5.2	24
25	Facioscapulohumeral Muscular Dystrophy Region Gene 1 Is a Dynamic RNA-Associated and Actin-Bundling Protein. <i>Journal of Molecular Biology</i> , 2011, 411, 397-416.	4.2	22
26	Quantitative Analysis of Actin Turnover in <i>Listeria</i> Comet Tails: Evidence for Catastrophic Filament Turnover. <i>Biophysical Journal</i> , 2010, 99, 2153-2162.	0.5	21
27	Catastrophic actin filament bursting by cofilin, Aip1, and coronin. <i>Journal of Biological Chemistry</i> , 2020, 295, 13299-13313.	3.4	21
28	Cadherin puncta are interdigitated dynamic actin protrusions necessary for stable cadherin adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	19
29	Antagonists of oxytocin featuring replacement with modified \hat{I}^2 -mercaptopropionic acids at position 1. <i>Journal of Peptide Science</i> , 2002, 8, 314-326.	1.4	14
30	Systematic substitution of an oxytocin antagonist with D-amino acids; unexpected high antagonistic potency of the D-Cys6-substituted analog. <i>Journal of Medicinal Chemistry</i> , 1993, 36, 747-749.	6.4	12
31	Improvement in potency of an oxytocin antagonist after systematic substitutions with L-tryptophan. <i>Journal of Medicinal Chemistry</i> , 1991, 34, 2089-2094.	6.4	11
32	Some pharmacological properties of cyclic and linear analogs obtained by substituting each residue of an oxytocin antagonist with d-tryptophan. <i>International Journal of Peptide and Protein Research</i> , 2009, 38, 169-175.	0.1	11
33	Collapsin Response Mediator Protein-1 Regulates Arp2/3-dependent Actin Assembly. <i>Journal of Biological Chemistry</i> , 2016, 291, 658-664.	3.4	10
34	CD2AP links actin to PI3 kinase activity to extend epithelial cell height and constrain cell area. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	8
35	Synaptopodin stress fiber and contractomere at the epithelial junction. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	4
36	Cell-Free Extract Systems and the Cytoskeleton. <i>Methods in Molecular Biology</i> , 2007, 369, 199-212.	0.9	3