Jan Faix

List of Publications by Year
in descending order

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Version: 2024-02-01

63	4,872	156536	139680
papers	citations	32 h-index	61 g-index

75	75	75	5938
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	VASP boosts protrusive activity of macroendocytic cups and drives phagosome rocketing after internalization. European Journal of Cell Biology, 2022, 101, 151200.	1.6	14
2	Ena/VASP proteins in cell edge protrusion, migration and adhesion. Journal of Cell Science, 2022, 135, .	1.2	34
3	Frameshift mutation S368fs in the gene encoding cytoskeletal Î²-actin leads to ACTB-associated syndromic thrombocytopenia by impairing actin dynamics. European Journal of Cell Biology, 2022, 101, 151216.	1.6	7
4	Calcium bursts allow rapid reorganization of EFhD2/Swip-1 cross-linked actin networks in epithelial wound closure. Nature Communications, 2022, 13, 2492.	5.8	8
5	Capping protein is dispensable for polarized actin network growth and actin-based motility. Journal of Biological Chemistry, 2020, 295, 15366-15375.	1.6	0
6	Lamellipodin tunes cell migration by stabilizing protrusions and promoting adhesion formation. Journal of Cell Science, 2020, 133, .	1.2	28
7	Formins specify membrane patterns generated by propagating actin waves. Molecular Biology of the Cell, 2020, 31, 373-385.	0.9	12
8	Loss of Ena/VASP interferes with lamellipodium architecture, motility and integrin-dependent adhesion. ELife, 2020, 9, .	2.8	76
9	Functional integrity of the contractile actin cortex is safeguarded by multiple Diaphanous-related formins. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3594-3603.	3.3	33
10	Functional Characterization of Ubiquitin-Like Core Autophagy Protein ATG12 in Dictyostelium discoideum. Cells, 2019, 8, 72.	1.8	15
11	IQGAP-related protein IqgC suppresses Ras signaling during large-scale endocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1289-1298.	3.3	19
12	Capping protein-controlled actin polymerization shapes lipid membranes. Nature Communications, 2018, 9, 1630.	5.8	51
13	Analysis of Random Migration of Dictyostelium Amoeba in Confined and Unconfined Environments. Methods in Molecular Biology, 2018, 1749, 341-350.	0.4	6
14	The Arp2/3 inhibitory protein Arpin is dispensable for chemotaxis. Biology of the Cell, 2017, 109, 162-166.	0.7	8
15	FMNL formins boost lamellipodial force generation. Nature Communications, 2017, 8, 14832.	5.8	112
16	Differential functions of WAVE regulatory complex subunits in the regulation of actin-driven processes. European Journal of Cell Biology, 2017, 96, 715-727.	1.6	28
17	Actin assembly mechanisms at a glance. Journal of Cell Science, 2017, 130, 3427-3435.	1.2	229
18	Kindlin-2 recruits paxillin and Arp2/3 to promote membrane protrusions during initial cell spreading. Journal of Cell Biology, 2017, 216, 3785-3798.	2.3	94

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19	Bin1 directly remodels actin dynamics through its <scp>BAR</scp> domain. EMBO Reports, 2017, 18, 2051-2066.	2.0	42
20	Distinct VASP tetramers synergize in the processive elongation of individual actin filaments from clustered arrays. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5815-E5824.	3.3	60
21	WHAMY is a novel actin polymerase promoting myoblast fusion, macrophage cell motility and sensory organ development. Journal of Cell Science, 2016, 129, 604-20.	1.2	11
22	A Diaphanous -related formin links Ras signaling directly to actin assembly in macropinocytosis and phagocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7464-E7473.	3.3	66
23	Visualization of Actin Assembly and Filament Turnover by In Vitro Multicolor TIRF Microscopy. Methods in Molecular Biology, 2016, 1407, 287-306.	0.4	8
24	Coronin7 regulates WASP and SCAR through CRIB mediated interaction with Rac proteins. Scientific Reports, 2015, 5, 14437.	1.6	9
25	A resilient formin-derived cortical actin meshwork in the rear drives actomyosin-based motility in 2D confinement. Nature Communications, 2015, 6, 8496.	5.8	33
26	Actin-Filament Disassembly: It Takes Two to Shrink Them Fast. Current Biology, 2015, 25, R450-R452.	1.8	4
27	Single-molecule microscopy of molecules tagged with GFP or RFP derivatives in mammalian cells using nanobody binders. Methods, 2015, 88, 89-97.	1.9	46
28	The inverse BAR-domain protein IBARa drives membrane remodelling to control osmoregulation, phagocytosis and cytokinesis. Journal of Cell Science, 2014, 127, 1279-92.	1.2	30
29	The Diaphanous-related formin dDia1 is required for highly directional phototaxis and formation of properly sized fruiting bodies in Dictyostelium. European Journal of Cell Biology, 2014, 93, 212-224.	1.6	9
30	The IQGAP-related protein DGAP1 mediates signaling to the actin cytoskeleton as an effector and a sequestrator of Rac1 GTPases. Cellular and Molecular Life Sciences, 2014, 71, 2775-2785.	2.4	9
31	Enhanced fear expression in Spir-1 actin organizer mutant mice. European Journal of Cell Biology, 2014, 93, 225-237.	1.6	14
32	CDC42 switches IRSp53 from inhibition of actin growth to elongation by clustering of VASP. EMBO Journal, 2013, 32, 2735-2750.	3.5	116
33	The Switch-associated Protein 70 (SWAP-70) Bundles Actin Filaments and Contributes to the Regulation of F-actin Dynamics. Journal of Biological Chemistry, 2013, 288, 28687-28703.	1.6	23
34	ForC lacks canonical formin activity but bundles actin filaments and is required for multicellular development of Dictyostelium cells. European Journal of Cell Biology, 2013, 92, 201-212.	1.6	9
35	The Application of the Cre-loxP System for Generating Multiple Knock-out and Knock-in Targeted Loci. Methods in Molecular Biology, 2013, 983, 249-267.	0.4	30
36	The F-BAR protein Cip4/Toca-1 antagonizes the formin Diaphanous in membrane stabilization and compartmentalization. Journal of Cell Science, 2013, 126, 1796-805.	1.2	47

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37	Arp2/3 complex is essential for actin network treadmilling as well as for targeting of capping protein and cofilin. Molecular Biology of the Cell, 2013, 24, 2861-2875.	0.9	68
38	Rac function is critical for cell migration but not required for spreading and focal adhesion formation. Journal of Cell Science, 2013, 126, 4572-88.	1.2	139
39	A dual role model for active Rac1 in cell migration. Small GTPases, 2013, 4, 110-115.	0.7	19
40	A dual role for Rac1 GTPases in the regulation of cell motility. Journal of Cell Science, 2012, 125, 387-398.	1.2	32
41	FMNL2 Drives Actin-Based Protrusion and Migration Downstream of Cdc42. Current Biology, 2012, 22, 1005-1012.	1.8	184
42	Highly effective removal of floxed Blasticidin S resistance cassettes from Dictyostelium discoideum mutants by extrachromosomal expression of Cre. European Journal of Cell Biology, 2012, 91, 156-160.	1.6	19
43	Heteromeric p97/p97R155C Complexes Induce Dominant Negative Changes in Wild-Type and Autophagy 9-Deficient Dictyostelium strains. PLoS ONE, 2012, 7, e46879.	1.1	35
44	Molecular mechanism of Ena/VASP-mediated actin-filament elongation. EMBO Journal, 2011, 30, 456-467.	3.5	143
45	Structure, Dynamics, Lipid Binding, and Physiological Relevance of the Putative GTPase-binding Domain of Dictyostelium Formin C*. Journal of Biological Chemistry, 2011, 286, 36907-36920.	1.6	19
46	Cofilin cooperates with fascin to disassemble filopodial actin filaments. Journal of Cell Science, 2011, 124, 3305-3318.	1.2	146
47	High-Resolution X-Ray Structure of the Trimeric Scar/WAVE-Complex Precursor Brk1. PLoS ONE, 2011, 6, e21327.	1.1	10
48	Cortactin Promotes Migration and Platelet-derived Growth Factor-induced Actin Reorganization by Signaling to Rho-GTPases. Molecular Biology of the Cell, 2009, 20, 3209-3223.	0.9	102
49	Filopodia: Complex models for simple rods. International Journal of Biochemistry and Cell Biology, 2009, 41, 1656-1664.	1.2	151
50	Clustering of VASP actively drives processive, WH2 domain-mediated actin filament elongation. EMBO Journal, 2008, 27, 2943-2954.	3.5	211
51	Arp2/3 complex interactions and actin network turnover in lamellipodia. EMBO Journal, 2008, 27, 982-992.	3.5	271
52	Staying in Shape with Formins. Developmental Cell, 2006, 10, 693-706.	3.1	302
53	The making of filopodia. Current Opinion in Cell Biology, 2006, 18, 18-25.	2.6	290
54	Generation of Multiple Knockout Mutants Using the Cre-loxP System. , 2006, 346, 187-200.		25

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55	Filopodia Formation in the Absence of Functional WAVE- and Arp2/3-Complexes. Molecular Biology of the Cell, 2006, 17, 2581-2591.	0.9	212
56	The bundling activity of vasodilator-stimulated phosphoprotein is required for filopodium formation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7694-7699.	3.3	140
57	The Diaphanous-related formin dDia2 is required for the formation and maintenance of filopodia. Nature Cell Biology, 2005, 7, 619-625.	4.6	233
58	A rapid and efficient method to generate multiple gene disruptions in Dictyostelium discoideum using a single selectable marker and the Cre-loxP system. Nucleic Acids Research, 2004, 32, e143-e143.	6.5	218
59	A Lim protein involved in the progression of cytokinesis and regulation of the mitotic spindle. Cytoskeleton, 2003, 56, 130-139.	4.4	53
60	Differential localization of the Dictyostelium kinase DPAKa during cytokinesis and cell migration. Journal of Muscle Research and Cell Motility, 2002, 23, 751-763.	0.9	34
61	Membrane Bending Modulus and Adhesion Energy of Wild-Type and Mutant Cells of Dictyostelium Lacking Talin or Cortexillins. Biophysical Journal, 1998, 74, 514-522.	0.2	226
62	DGAP1, a homologue of rasGTPase activating proteins that controls growth, cytokinesis, and development inDictyostelium discoideum. FEBS Letters, 1996, 394, 251-257.	1.3	68
63	Cortexillins, Major Determinants of Cell Shape and Size, Are Actin-Bundling Proteins with a Parallel Coiled-Coil Tail. Cell, 1996, 86, 631-642.	13.5	172