Julien Berro

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6970098/publications.pdf

Version: 2024-02-01

30	1,259	430874 18	501196 28
papers	citations	h-index	g-index

43	43	43	1162
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantitative Analysis of the Mechanism of Endocytic Actin Patch Assembly and Disassembly in Fission Yeast. Molecular Biology of the Cell, 2010, 21, 2894-2904.	2.1	159
2	Actin-Filament Stochastic Dynamics Mediated by ADF/Cofilin. Current Biology, 2007, 17, 825-833.	3.9	151
3	Mathematical Modeling of Endocytic Actin Patch Kinetics in Fission Yeast: Disassembly Requires Release of Actin Filament Fragments. Molecular Biology of the Cell, 2010, 21, 2905-2915.	2.1	114
4	Three Myosins Contribute Uniquely to the Assembly and Constriction of the Fission Yeast Cytokinetic Contractile Ring. Current Biology, 2015, 25, 1955-1965.	3.9	85
5	Molecular mechanisms of force production in clathrinâ€mediated endocytosis. FEBS Letters, 2018, 592, 3586-3605.	2.8	74
6	Stochastic Severing of Actin Filaments by Actin Depolymerizing Factor/Cofilin Controls the Emergence of a Steady Dynamical Regime. Biophysical Journal, 2008, 94, 2082-2094.	0.5	62
7	Cytokinetic nodes in fission yeast arise from two distinct types of nodes that merge during interphase. Journal of Cell Biology, 2014, 204, 977-988.	5.2	60
8	Local and global analysis of endocytic patch dynamics in fission yeast using a new â€œtemporal superresolutionâ€•realignment method. Molecular Biology of the Cell, 2014, 25, 3501-3514.	2.1	56
9	Attachment Conditions Control Actin Filament Buckling and the Production of Forces. Biophysical Journal, 2007, 92, 2546-2558.	0.5	47
10	Mathematical Models and Simulations of Cellular Processes Based on Actin Filaments*. Journal of Biological Chemistry, 2009, 284, 5433-5437.	3.4	45
11	Molecular diversity, metabolic transformation, and evolution of carotenoid feather pigments in cotingas (Aves: Cotingidae). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 1095-1116.	1.5	44
12	Synergies between Aip1p and capping protein subunits (Acp1p and Acp2p) in clathrin-mediated endocytosis and cell polarization in fission yeast. Molecular Biology of the Cell, 2014, 25, 3515-3527.	2.1	40
13	Structural organization and energy storage in crosslinked actin assemblies. PLoS Computational Biology, 2018, 14, e1006150.	3.2	39
14	Nutrient-dependent control of RNA polymerase II elongation rate regulates specific gene expression programs by alternative polyadenylation. Genes and Development, 2020, 34, 883-897.	5.9	33
15	High-speed superresolution imaging of the proteins in fission yeast clathrin-mediated endocytic actin patches. Molecular Biology of the Cell, 2018, 29, 295-303.	2.1	28
16	Use of a fluoride channel as a new selection marker for fission yeast plasmids and application to fast genome editing with CRISPR/Cas9. Yeast, 2016, 33, 549-557.	1.7	25
17	â€œEssentially, all models are wrong, but some are usefulâ€â€”a cross-disciplinary agenda for building useful models in cell biology and biophysics. Biophysical Reviews, 2018, 10, 1637-1647.	3.2	24
18	Actin assembly produces sufficient forces for endocytosis in yeast. Molecular Biology of the Cell, 2019, 30, 2014-2024.	2.1	24

#	Article	IF	Citations
19	Single-molecule imaging of the BAR-domain protein Pil1p reveals filament-end dynamics. Molecular Biology of the Cell, 2017, 28, 2251-2259.	2.1	21
20	Single-molecule turnover dynamics of actin and membrane coat proteins in clathrin-mediated endocytosis. ELife, 2019, 8, .	6.0	21
21	Mycofumigation through production of the volatile DNA-methylating agent N-methyl-N-nitrosoisobutyramide by fungi in the genus Muscodor. Journal of Biological Chemistry, 2017, 292, 7358-7371.	3.4	19
22	Endocytosis against high turgor pressure is made easier by partial coating and freely rotating base. Biophysical Journal, 2021, 120, 1625-1640.	0.5	19
23	Rapid adaptation of endocytosis, exocytosis, and eisosomes after an acute increase in membrane tension in yeast cells. ELife, 2021, 10, .	6.0	18
24	Crosslinking actin networks produces compressive force. Cytoskeleton, 2019, 76, 346-354.	2.0	11
25	Force Production by a Bundle of Growing Actin Filaments Is Limited by Its Mechanical Properties. Biophysical Journal, 2020, 118, 182-192.	0.5	11
26	DNA-Origami-Based Fluorescence Brightness Standards for Convenient and Fast Protein Counting in Live Cells. Nano Letters, 2020, 20, 8890-8896.	9.1	8
27	Quantitative Biology of Endocytosis. Colloquium Series on Quantitative Cell Biology, 2018, 4, i-74.	0.5	6
28	A model of actin-driven endocytosis explains differences of endocytic motility in budding and fission yeast. Molecular Biology of the Cell, 2022, 33, mbcE21070362.	2.1	3
29	Isolated THATCH domain of End4 is unable to bind F-actin independently in the fission yeast .. MicroPublication Biology, 2022, 2022, .	0.1	1
30	Cover Image, Volume 76, Issue 5. Cytoskeleton, 2019, 76, C4.	2.0	0