

# Julien Berro

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,259  
citations

430874

18  
h-index

501196

28  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1162  
citing authors

#	ARTICLE	IF	CITATIONS
1	A model of actin-driven endocytosis explains differences of endocytic motility in budding and fission yeast. <i>Molecular Biology of the Cell</i> , 2022, 33, mbcE21070362.	2.1	3
2	Isolated THATCH domain of End4 is unable to bind F-actin independently in the fission yeast .. <i>MicroPublication Biology</i> , 2022, 2022, .	0.1	1
3	Rapid adaptation of endocytosis, exocytosis, and eisosomes after an acute increase in membrane tension in yeast cells. <i>ELife</i> , 2021, 10, .	6.0	18
4	Endocytosis against high turgor pressure is made easier by partial coating and freely rotating base. <i>Biophysical Journal</i> , 2021, 120, 1625-1640.	0.5	19
5	Force Production by a Bundle of Growing Actin Filaments Is Limited by Its Mechanical Properties. <i>Biophysical Journal</i> , 2020, 118, 182-192.	0.5	11
6	Nutrient-dependent control of RNA polymerase II elongation rate regulates specific gene expression programs by alternative polyadenylation. <i>Genes and Development</i> , 2020, 34, 883-897.	5.9	33
7	DNA-Origami-Based Fluorescence Brightness Standards for Convenient and Fast Protein Counting in Live Cells. <i>Nano Letters</i> , 2020, 20, 8890-8896.	9.1	8
8	Crosslinking actin networks produces compressive force. <i>Cytoskeleton</i> , 2019, 76, 346-354.	2.0	11
9	Actin assembly produces sufficient forces for endocytosis in yeast. <i>Molecular Biology of the Cell</i> , 2019, 30, 2014-2024.	2.1	24
10	Cover Image, Volume 76, Issue 5. <i>Cytoskeleton</i> , 2019, 76, C4.	2.0	0
11	Single-molecule turnover dynamics of actin and membrane coat proteins in clathrin-mediated endocytosis. <i>ELife</i> , 2019, 8, .	6.0	21
12	High-speed superresolution imaging of the proteins in fission yeast clathrin-mediated endocytic actin patches. <i>Molecular Biology of the Cell</i> , 2018, 29, 295-303.	2.1	28
13	“Essentially, all models are wrong, but some are useful” a cross-disciplinary agenda for building useful models in cell biology and biophysics. <i>Biophysical Reviews</i> , 2018, 10, 1637-1647.	3.2	24
14	Structural organization and energy storage in crosslinked actin assemblies. <i>PLoS Computational Biology</i> , 2018, 14, e1006150.	3.2	39
15	Quantitative Biology of Endocytosis. <i>Colloquium Series on Quantitative Cell Biology</i> , 2018, 4, i-74.	0.5	6
16	Molecular mechanisms of force production in clathrin-mediated endocytosis. <i>FEBS Letters</i> , 2018, 592, 3586-3605.	2.8	74
17	Mycofumigation through production of the volatile DNA-methylating agent N-methyl-N-nitrosoisobutyramide by fungi in the genus <i>Muscodor</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 7358-7371.	3.4	19
18	Single-molecule imaging of the BAR-domain protein Pil1p reveals filament-end dynamics. <i>Molecular Biology of the Cell</i> , 2017, 28, 2251-2259.	2.1	21

#	ARTICLE	IF	CITATIONS
19	Use of a fluoride channel as a new selection marker for fission yeast plasmids and application to fast genome editing with CRISPR/Cas9. <i>Yeast</i> , 2016, 33, 549-557.	1.7	25
20	Three Myosins Contribute Uniquely to the Assembly and Constriction of the Fission Yeast Cytokinetic Contractile Ring. <i>Current Biology</i> , 2015, 25, 1955-1965.	3.9	85
21	Synergies between Aip1p and capping protein subunits (Acp1p and Acp2p) in clathrin-mediated endocytosis and cell polarization in fission yeast. <i>Molecular Biology of the Cell</i> , 2014, 25, 3515-3527.	2.1	40
22	Local and global analysis of endocytic patch dynamics in fission yeast using a new "temporal superresolution" realignment method. <i>Molecular Biology of the Cell</i> , 2014, 25, 3501-3514.	2.1	56
23	Cytokinetic nodes in fission yeast arise from two distinct types of nodes that merge during interphase. <i>Journal of Cell Biology</i> , 2014, 204, 977-988.	5.2	60
24	Molecular diversity, metabolic transformation, and evolution of carotenoid feather pigments in cotingas (Aves: Cotingidae). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012, 182, 1095-1116.	1.5	44
25	Mathematical Modeling of Endocytic Actin Patch Kinetics in Fission Yeast: Disassembly Requires Release of Actin Filament Fragments. <i>Molecular Biology of the Cell</i> , 2010, 21, 2905-2915.	2.1	114
26	Quantitative Analysis of the Mechanism of Endocytic Actin Patch Assembly and Disassembly in Fission Yeast. <i>Molecular Biology of the Cell</i> , 2010, 21, 2894-2904.	2.1	159
27	Mathematical Models and Simulations of Cellular Processes Based on Actin Filaments*. <i>Journal of Biological Chemistry</i> , 2009, 284, 5433-5437.	3.4	45
28	Stochastic Severing of Actin Filaments by Actin Depolymerizing Factor/Cofilin Controls the Emergence of a Steady Dynamical Regime. <i>Biophysical Journal</i> , 2008, 94, 2082-2094.	0.5	62
29	Attachment Conditions Control Actin Filament Buckling and the Production of Forces. <i>Biophysical Journal</i> , 2007, 92, 2546-2558.	0.5	47
30	Actin-Filament Stochastic Dynamics Mediated by ADF/Cofilin. <i>Current Biology</i> , 2007, 17, 825-833.	3.9	151