

Christophe GuÃ©rin

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,326
citations

394421

19
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580821

25
g-index

29
all docs

29
docs citations

29
times ranked

2548
citing authors

#	ARTICLE	IF	CITATIONS
1	Actin filaments regulate microtubule growth at the centrosome. EMBO Journal, 2019, 38, .	7.8	82
2	Quantitative regulation of the dynamic steady state of actin networks. ELife, 2019, 8, .	6.0	16
3	A key function for microtubule-associated-protein 6 in activity-dependent stabilisation of actin filaments in dendritic spines. Nature Communications, 2018, 9, 3775.	12.8	30
4	Network heterogeneity regulates steering in actin-based motility. Nature Communications, 2017, 8, 655.	12.8	30
5	The centrosome is an actin-organizing centre. Nature Cell Biology, 2016, 18, 65-75.	10.3	206
6	Architecture and Connectivity Govern Actin Network Contractility. Current Biology, 2016, 26, 616-626.	3.9	221
7	WAVE binds Ena/VASP for enhanced Arp2/3 complex-based actin assembly. Molecular Biology of the Cell, 2015, 26, 55-65.	2.1	58
8	Architecture Dependence of Actin Filament Network Disassembly. Current Biology, 2015, 25, 1437-1447.	3.9	104
9	Directed Actin Assembly and Motility. Methods in Enzymology, 2014, 540, 283-300.	1.0	7
10	Geometrical Control of Actin Assembly and Contractility. Methods in Cell Biology, 2014, 120, 19-38.	1.1	13
11	Fabrication of three-dimensional electrical connections by means of directed actin self-organization. Nature Materials, 2013, 12, 416-421.	27.5	55
12	2D and 3D homogenization of laminated cores in the frequency domain. EPJ Applied Physics, 2013, 64, 24517.	0.7	1
13	Actin Network Architecture Can Determine Myosin Motor Activity. Science, 2012, 336, 1310-1314.	12.6	281
14	Cofilin Tunes the Nucleotide State of Actin Filaments and Severs at Bare and Decorated Segment Boundaries. Current Biology, 2011, 21, 862-868.	3.9	192
15	Turnover of branched actin filament networks by stochastic fragmentation with ADF/cofilin. Molecular Biology of the Cell, 2011, 22, 2541-2550.	2.1	50
16	Homogenization for Periodical Electromagnetic Structure: Which Formulation?. IEEE Transactions on Magnetics, 2010, 46, 3409-3412.	2.1	30
17	A "Primer"-Based Mechanism Underlies Branched Actin Filament Network Formation and Motility. Current Biology, 2010, 20, 423-428.	3.9	117
18	Rapid formin-mediated actin-filament elongation is essential for polarized plant cell growth. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13341-13346.	7.1	158

#	ARTICLE	IF	CITATIONS
19	Circuit-Coupled $\{f t\}_{0}\hbox {-}\phi$ Formulation With Surface Impedance Condition. IEEE Transactions on Magnetics, 2008, 44, 730-733.	2.1	6
20	Identification of Arabidopsis Cyclase-associated Protein 1 as the First Nucleotide Exchange Factor for Plant Actin. Molecular Biology of the Cell, 2007, 18, 3002-3014.	2.1	74
21	Actin-Filament Stochastic Dynamics Mediated by ADF/Cofilin. Current Biology, 2007, 17, 825-833.	3.9	151
22	A Novel Mechanism for the Formation of Actin-Filament Bundles by a Nonprocessive Formin. Current Biology, 2006, 16, 1924-1930.	3.9	97
23	Plant formin AtFH5 is an evolutionarily conserved actin nucleator involved in cytokinesis. Nature Cell Biology, 2005, 7, 374-380.	10.3	167
24	The Formin Homology 1 Domain Modulates the Actin Nucleation and Bundling Activity of Arabidopsis FORMIN1. Plant Cell, 2005, 17, 2296-2313.	6.6	169
25	A current transformer modeling. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2002, 21, 505-511.	0.9	7