

Arnaud Echard

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

8,704
citations

126907

33
h-index

168389

53
g-index

58
all docs

58
docs citations

58
times ranked

17354
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Rab35 Regulates an Endocytic Recycling Pathway Essential for the Terminal Steps of Cytokinesis. <i>Current Biology</i> , 2006, 16, 1719-1725.	3.9	331
3	Regulation of mitotic spindle orientation: an integrated view. <i>EMBO Reports</i> , 2016, 17, 1106-1130.	4.5	259
4	Terminal Cytokinesis Events Uncovered after an RNAi Screen. <i>Current Biology</i> , 2004, 14, 1685-1693.	3.9	252
5	Rab35 GTPase and OCRL phosphatase remodel lipids and F-actin for successful cytokinesis. <i>Nature Cell Biology</i> , 2011, 13, 981-988.	10.3	252
6	Moesin and its activating kinase Slik are required for cortical stability and microtubule organization in mitotic cells. <i>Journal of Cell Biology</i> , 2008, 180, 739-746.	5.2	204
7	An ARF6/Rab35 GTPase Cascade for Endocytic Recycling and Successful Cytokinesis. <i>Current Biology</i> , 2012, 22, 147-153.	3.9	157
8	The Human Kinesin-Like Protein RB6K Is under Tight Cell Cycle Control and Is Essential for Cytokinesis. <i>Molecular and Cellular Biology</i> , 2001, 21, 2944-2955.	2.3	156
9	Rab35 <sc>GTPase</sc>: A Central Regulator of Phosphoinositides and F-actin in Endocytic Recycling and Beyond. <i>Traffic</i> , 2016, 17, 1063-1077.	2.7	136
10	Oxidation of F-actin controls the terminal steps of cytokinesis. <i>Nature Communications</i> , 2017, 8, 14528.	12.8	130
11	Rho-kinase Controls Cell Shape Changes during Cytokinesis. <i>Current Biology</i> , 2006, 16, 359-370.	3.9	117
12	Endocytic traffic in animal cell cytokinesis. <i>Current Opinion in Cell Biology</i> , 2008, 20, 454-461.	5.4	116
13	Alternative Splicing of the Human <i>Rab6A</i> Gene Generates Two Close but Functionally Different Isoforms. <i>Molecular Biology of the Cell</i> , 2000, 11, 3819-3833.	2.1	105
14	Rab35 GTPase couples cell division with initiation of epithelial apico-basal polarity and lumen opening. <i>Nature Communications</i> , 2016, 7, 11166.	12.8	97
15	Aurora B and Cyclin B Have Opposite Effects on the Timing of Cytokinesis Abscission in <i>Drosophila</i> Germ Cells and in Vertebrate Somatic Cells. <i>Developmental Cell</i> , 2013, 26, 250-265.	7.0	93
16	Midbody remnant engulfment after cytokinesis abscission in mammalian cells. <i>Journal of Cell Science</i> , 2014, 127, 3840-51.	2.0	93
17	Mutant p53s generate pro-invasive niches by influencing exosome podocalyxin levels. <i>Nature Communications</i> , 2018, 9, 5069.	12.8	91
18	Rab35 GTPase Triggers Switch-like Recruitment of the Lowe Syndrome Lipid Phosphatase OCRL on Newborn Endosomes. <i>Current Biology</i> , 2016, 26, 120-128.	3.9	84

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19	SLK-dependent activation of ERMs controls LGN's NuMA localization and spindle orientation. <i>Journal of Cell Biology</i> , 2014, 205, 791-799.	5.2	81
20	Membrane Traffic in the Late Steps of Cytokinesis. <i>Current Biology</i> , 2018, 28, R458-R470.	3.9	80
21	Actin, microtubule, septin and ESCRT filament remodeling during late steps of cytokinesis. <i>Current Opinion in Cell Biology</i> , 2018, 50, 27-34.	5.4	75
22	The NF- κ B Signaling Protein Bcl10 Regulates Actin Dynamics by Controlling AP1 and OCRL-Bearing Vesicles. <i>Developmental Cell</i> , 2012, 23, 954-967.	7.0	74
23	Passive coupling of membrane tension and cell volume during active response of cells to osmosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	65
24	Phosphoinositides: Lipids with informative heads and mastermind functions in cell division. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 832-843.	2.4	64
25	Emerging roles of MICAL family proteins " from actin oxidation to membrane trafficking during cytokinesis. <i>Journal of Cell Science</i> , 2017, 130, 1509-1517.	2.0	63
26	Dlg1 controls planar spindle orientation in the neuroepithelium through direct interaction with LGN. <i>Journal of Cell Biology</i> , 2014, 206, 707-717.	5.2	62
27	The Flemmingsome reveals an ESCRT-to-membrane coupling via ALIX/syntenin/syndecan-4 required for completion of cytokinesis. <i>Nature Communications</i> , 2020, 11, 1941.	12.8	61
28	Phosphoinositides and cytokinesis: The "PIP" of the iceberg. <i>Cytoskeleton</i> , 2012, 69, 893-912.	2.0	56
29	The Degradation of Two Mitotic Cyclins Contributes to the Timing of Cytokinesis. <i>Current Biology</i> , 2003, 13, 373-383.	3.9	55
30	Coupling fission and exit of RAB6 vesicles at Golgi hotspots through kinesin-myosin interactions. <i>Nature Communications</i> , 2017, 8, 1254.	12.8	55
31	SUMOylation of human septins is critical for septin filament bundling and cytokinesis. <i>Journal of Cell Biology</i> , 2017, 216, 4041-4052.	5.2	48
32	Membrane traffic and polarization of lipid domains during cytokinesis. <i>Biochemical Society Transactions</i> , 2008, 36, 395-399.	3.4	44
33	Rab35 GTPase and cancer: Linking membrane trafficking to tumorigenesis. <i>Traffic</i> , 2018, 19, 247-252.	2.7	39
34	Phosphatidylinositol 5-Phosphatase Oculocerebrorenal Syndrome of Lowe Protein (OCRL) Controls Actin Dynamics during Early Steps of <i>Listeria monocytogenes</i> Infection. <i>Journal of Biological Chemistry</i> , 2012, 287, 13128-13136.	3.4	36
35	Rab35 controls cilium length, function and membrane composition. <i>EMBO Reports</i> , 2019, 20, e47625.	4.5	35
36	Phagocytosis and Cytokinesis: Do Cells Use Common Tools to Cut and to Eat? Highlights on Common Themes and Differences. <i>Traffic</i> , 2013, 14, 355-364.	2.7	32

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37	Actin reduction by MsrB2 is a key component of the cytokinetic abscission checkpoint and prevents tetraploidy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4169-4179.	7.1	32
38	Oxidation and reduction of actin: Origin, impact in vitro and functional consequences in vivo. <i>European Journal of Cell Biology</i> , 2022, 101, 151249.	3.6	29
39	Rab35 and its effectors promote formation of tunneling nanotubes in neuronal cells. <i>Scientific Reports</i> , 2020, 10, 16803.	3.3	26
40	Rab35 regulates cadherin-mediated adherens junction formation and myoblast fusion. <i>Molecular Biology of the Cell</i> , 2013, 24, 234-245.	2.1	24
41	Caveolae promote successful abscission by controlling intercellular bridge tension during cytokinesis. <i>Science Advances</i> , 2022, 8, eabm5095.	10.3	24
42	Actin filament oxidation by MICAL1 suppresses protections from cofilin-induced disassembly. <i>EMBO Reports</i> , 2021, 22, e50965.	4.5	23
43	A simple model for the fate of the cytokinesis midbody remnant: Implications for remnant degradation by autophagy. <i>BioEssays</i> , 2013, 35, 472-481.	2.5	22
44	IFT proteins spatially control the geometry of cleavage furrow ingression and lumen positioning. <i>Nature Communications</i> , 2017, 8, 1928.	12.8	20
45	Rab35-regulated lipid turnover by myotubularins represses mTORC1 activity and controls myelin growth. <i>Nature Communications</i> , 2020, 11, 2835.	12.8	19
46	Broadly neutralizing anti-HIV-1 antibodies tether viral particles at the surface of infected cells. <i>Nature Communications</i> , 2022, 13, 630.	12.8	19
47	The viral restriction factor tetherin/BST2 tethers cytokinetic midbody remnants to the cell surface. <i>Current Biology</i> , 2021, 31, 2203-2213.e5.	3.9	14
48	IL-17A Recruits Rab35 to IL-17R to Mediate PKC ζ -Dependent Stress Fiber Formation and Airway Smooth Muscle Contractility. <i>Journal of Immunology</i> , 2019, 202, 1540-1548.	0.8	13
49	PTEN reduces endosomal PtdIns(4,5)P2 in a phosphatase-independent manner via a PLC pathway. <i>Journal of Cell Biology</i> , 2019, 218, 2198-2214.	5.2	11
50	The Changing Lipidome during Cell Division. <i>Cell</i> , 2014, 156, 394-395.	28.9	10
51	[17] Expression, purification, and biochemical properties of rabkinesin-6 domains and their interactions with Rab6A. <i>Methods in Enzymology</i> , 2001, 329, 157-165.	1.0	9
52	Connecting membrane traffic to ESCRT and the final cut. <i>Nature Cell Biology</i> , 2012, 14, 983-985.	10.3	7
53	ESCRTs: the final cut for cells. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 663-663.	37.0	1
54	Cell Biology: Alix ESCRTs Pavarotti during Cell Division. <i>Current Biology</i> , 2019, 29, R1074-R1077.	3.9	0