Johannes L Bos

List of Publications by Year
in descending order

30 papers	4,175 citations	430874 18 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	6097 citing authors

#	Article	IF	Citations
1	Quantifying single-cell ERK dynamics in colorectal cancer organoids reveals EGFR as an amplifier of oncogenic MAPK pathway signalling. Nature Cell Biology, 2021, 23, 377-390.	10.3	71
2	Multiple Rap1 effectors control Epac1-mediated tightening of endothelial junctions. Small GTPases, 2020, 11, 346-353.	1.6	17
3	CRISPR-induced RASGAP deficiencies in colorectal cancer organoids reveal that only loss of NF1 promotes resistance to EGFR inhibition. Oncotarget, 2019, 10, 1440-1457.	1.8	19
4	The Phosphatase PTPL1 Is Required for PTEN-Mediated Regulation of Apical Membrane Size. Molecular and Cellular Biology, 2018, 38, .	2.3	7
5	From Ras to Rap and Back, a Journey of 35 Years. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a031468.	6.2	16
6	A Tuba/Cdc42/Par6A complex is required to ensure singularity in apical domain formation during enterocyte polarization. PLoS ONE, 2018, 13, e0207159.	2.5	5
7	A Two-Tiered Mechanism Enables Localized Cdc42 Signaling during Enterocyte Polarization. Molecular and Cellular Biology, 2017, 37, .	2.3	11
8	Targeting mutant RAS in patient-derived colorectal cancer organoids by combinatorial drug screening. ELife, 2016, 5, .	6.0	191
9	Ras Association-Domain Dimers Bring Proteins Together. Structure, 2016, 24, 2039-2040.	3.3	1
10	Structure-Guided Design of Selective Epac1 and Epac2 Agonists. PLoS Biology, 2015, 13, e1002038.	5.6	68
11	ATP8B1-mediated spatial organization of Cdc42 signaling maintains singularity during enterocyte polarization. Journal of Cell Biology, 2015, 210, 1055-1063.	5.2	17
12	The PDZ Domain of the Guanine Nucleotide Exchange Factor PDZGEF Directs Binding to Phosphatidic Acid during Brush Border Formation. PLoS ONE, 2014, 9, e98253.	2.5	12
13	Mechanisms of Isoform Specific Rap2 Signaling during Enterocytic Brush Border Formation. PLoS ONE, 2014, 9, e106687.	2.5	10
14	Rap1 signaling in endothelial barrier control. Cell Adhesion and Migration, 2014, 8, 100-107.	2.7	61
15	DEP domains: structurally similar but functionally different. Nature Reviews Molecular Cell Biology, 2014, 15, 357-362.	37.0	63
16	Control of Epithelial Cell Migration and Invasion by the IKKÎ²- and CK1Î±-Mediated Degradation of RAPGEF2. Developmental Cell, 2013, 27, 574-585.	7.0	30
17	Quantitative global phosphoproteomics of human umbilical vein endothelial cells after activation of the Rap signaling pathway. Molecular BioSystems, 2013, 9, 732.	2.9	8
18	Semaphorin Signaling Meets Rap. Science Signaling, 2012, 5, pe6.	3.6	9

#	Article	IF	Citations
19	Evolution of the TOR Pathway. Journal of Molecular Evolution, 2011, 73, 209-220.	1.8	118
20	Phylogeny of the CDC25 homology domain reveals rapid differentiation of Ras pathways between early animals and fungi. Cellular Signalling, 2009, 21, 1579-1585.	3.6	21
21	Cellâ€“cell junction formation: The role of Rap1 and Rap1 guanine nucleotide exchange factors. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 790-796.	2.6	134
22	8â€pCPTâ€2â€²â€Oâ€Meâ€cAMPâ€AM: An Improved Epacâ€Selective cAMP Analogue. ChemBioChem, 2008, 9, 2052-2054.	2.6	106
23	cAMP-induced Epac-Rap activation inhibits epithelial cell migration by modulating focal adhesion and leading edge dynamics. Cellular Signalling, 2008, 20, 1104-1116.	3.6	48
24	Rap1B speeds up angiogenesis. Blood, 2008, 111, 2500-2501.	1.4	0
25	GEFs and GAPs: Critical Elements in the Control of Small G Proteins. Cell, 2007, 129, 865-877.	28.9	1,546
26	The PI3K effector Arap3 interacts with the PI(3,4,5)P3 phosphatase SHIP2 in a SAM domain-dependent manner. Cellular Signalling, 2007, 19, 1249-1257.	3.6	62
27	Epac proteins: multi-purpose cAMP targets. Trends in Biochemical Sciences, 2006, 31, 680-686.	7.5	487
28	Epac: a new cAMP target and new avenues in cAMP research. Nature Reviews Molecular Cell Biology, 2003, 4, 733-738.	37.0	444
29	Rap1 signalling: adhering to new models. Nature Reviews Molecular Cell Biology, 2001, 2, 369-377.	37.0	574
30	Low-density lipoprotein activates the small GTPases Rap1 and Ral in human platelets. Biochemical Journal, 2000, 349, 231-238.	3.7	18