

Johan De Rooij

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,640
citations

430874

18
h-index

580821

25
g-index

52
all docs

52
docs citations

52
times ranked

3469
citing authors

#	ARTICLE	IF	CITATIONS
1	Rap1 signalling: adhering to new models. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 369-377.	37.0	574
2	Vinculin potentiates E-cadherin mechanosensing and is recruited to actin-anchored sites within adherens junctions in a myosin II-dependent manner. <i>Journal of Cell Biology</i> , 2010, 189, 1107-1115.	5.2	569
3	Vinculin associates with endothelial VE-cadherin junctions to control force-dependent remodeling. <i>Journal of Cell Biology</i> , 2012, 196, 641-652.	5.2	411
4	Mechanosensitive systems at the cadherin-F-actin interface. <i>Journal of Cell Science</i> , 2013, 126, 403-413.	2.0	194
5	Mechanotransduction at cadherin-mediated adhesions. <i>Current Opinion in Cell Biology</i> , 2011, 23, 523-530.	5.4	142
6	Vinculin-dependent Cadherin mechanosensing regulates efficient epithelial barrier formation. <i>Biology Open</i> , 2012, 1, 1128-1140.	1.2	102
7	Mechanical control of the endothelial barrier. <i>Cell and Tissue Research</i> , 2014, 355, 545-555.	2.9	64
8	Converging and Unique Mechanisms of Mechanotransduction at Adhesion Sites. <i>Trends in Cell Biology</i> , 2016, 26, 612-623.	7.9	63
9	VASP, zyxin and TES are tension-dependent members of Focal Adherens Junctions independent of the β -catenin-vinculin module. <i>Scientific Reports</i> , 2015, 5, 17225.	3.3	56
10	Spatial collagen stiffening promotes collective breast cancer cell invasion by reinforcing extracellular matrix alignment. <i>Oncogene</i> , 2022, 41, 2458-2469.	5.9	47
11	Cadherin mechanotransduction in tissue remodeling. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4101-4116.	5.4	46
12	Cadherin mechanotransduction in leader-follower cell specification during collective migration. <i>Experimental Cell Research</i> , 2019, 376, 86-91.	2.6	45
13	Force transduction by cadherin adhesions in morphogenesis. <i>F1000Research</i> , 2019, 8, 1044.	1.6	43
14	The F-BAR protein pacsin2 inhibits asymmetric VE-cadherin internalization from tensile adherens junctions. <i>Nature Communications</i> , 2016, 7, 12210.	12.8	40
15	Vps3 and Vps8 control integrin trafficking from early to recycling endosomes and regulate integrin-dependent functions. <i>Nature Communications</i> , 2018, 9, 792.	12.8	40
16	β -catenin is a candidate tumor suppressor for the development of E-cadherin-expressing lobular-type breast cancer. <i>Journal of Pathology</i> , 2018, 245, 456-467.	4.5	34
17	β -E-catenin-dependent mechanotransduction is essential for proper convergent extension in zebrafish. <i>Biology Open</i> , 2016, 5, 1461-1472.	1.2	28
18	Mechanotransduction: Vinculin Provides Stability when Tension Rises. <i>Current Biology</i> , 2013, 23, R159-R161.	3.9	23

#	ARTICLE	IF	CITATIONS
19	An asymmetric junctional mechanoresponse coordinates mitotic rounding with epithelial integrity. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	22
20	Cadherin adhesion controlled by cortical actin dynamics. <i>Nature Cell Biology</i> , 2014, 16, 508-510.	10.3	21
21	Zygotic vinculin is not essential for embryonic development in zebrafish. <i>PLoS ONE</i> , 2017, 12, e0182278.	2.5	20
22	Vinculin controls endothelial cell junction dynamics during vascular lumen formation. <i>Cell Reports</i> , 2022, 39, 110658.	6.4	20
23	Resolving the cadherinâ€F-actin connection. <i>Nature Cell Biology</i> , 2017, 19, 14-16.	10.3	14
24	Quantitative imaging of focal adhesion dynamics and their regulation by HGF and Rap1 signaling. <i>Experimental Cell Research</i> , 2015, 330, 382-397.	2.6	13
25	Force-induced changes of β -catenin conformation stabilize vascular junctions independently of vinculin. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	9