

Stephan Huveneers

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,137
citations

126858

33
h-index

138417

58
g-index

65
all docs

65
docs citations

65
times ranked

6841
citing authors

#	ARTICLE	IF	CITATIONS
1	Adhesion signaling – crosstalk between integrins, Src and Rho. <i>Journal of Cell Science</i> , 2009, 122, 1059-1069.	1.2	712
2	Vinculin associates with endothelial VE-cadherin junctions to control force-dependent remodeling. <i>Journal of Cell Biology</i> , 2012, 196, 641-652.	2.3	411
3	Mechanosensitive systems at the cadherin–F-actin interface. <i>Journal of Cell Science</i> , 2013, 126, 403-413.	1.2	194
4	Integrins control motile strategy through a Rho–cofilin pathway. <i>Journal of Cell Biology</i> , 2005, 169, 515-526.	2.3	175
5	Between Rho(k) and a Hard Place. <i>Circulation Research</i> , 2015, 116, 895-908.	2.0	148
6	Effective Treatment of Edema and Endothelial Barrier Dysfunction With Imatinib. <i>Circulation</i> , 2012, 126, 2728-2738.	1.6	147
7	Cell–cell junctional mechanotransduction in endothelial remodeling. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 279-292.	2.4	137
8	Binding of soluble fibronectin to integrin $\beta 1$ – link to focal adhesion redistribution and contractile shape. <i>Journal of Cell Science</i> , 2008, 121, 2452-2462.	1.2	123
9	The Rac Exchange Factor Tiam1 Is Required for the Establishment and Maintenance of Cadherin-based Adhesions. <i>Journal of Biological Chemistry</i> , 2004, 279, 30092-30098.	1.6	122
10	F-actin-rich contractile endothelial pores prevent vascular leakage during leukocyte diapedesis through local RhoA signalling. <i>Nature Communications</i> , 2016, 7, 10493.	5.8	113
11	Nuclear Receptor Nur77 Limits the Macrophage Inflammatory Response through Transcriptional Reprogramming of Mitochondrial Metabolism. <i>Cell Reports</i> , 2018, 24, 2127-2140.e7.	2.9	110
12	Vinculin-dependent Cadherin mechanosensing regulates efficient epithelial barrier formation. <i>Biology Open</i> , 2012, 1, 1128-1140.	0.6	102
13	Integrins: Signaling, disease, and therapy. <i>International Journal of Radiation Biology</i> , 2007, 83, 743-751.	1.0	101
14	Cell-cell junctions as sensors and transducers of mechanical forces. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183316.	1.4	92
15	Real-time imaging of multivesicular body–plasma membrane fusion to quantify exosome release from single cells. <i>Nature Protocols</i> , 2020, 15, 102-121.	5.5	84
16	A local VE-cadherin/Trio-based signaling complex stabilizes endothelial junctions through Rac1. <i>Journal of Cell Science</i> , 2015, 128, 3041-54.	1.2	82
17	Rho GAPs and GEFs. <i>Cell Adhesion and Migration</i> , 2014, 8, 108-124.	1.1	70
18	Nanoparticle-Aided Characterization of Arterial Endothelial Architecture during Atherosclerosis Progression and Metabolic Therapy. <i>ACS Nano</i> , 2019, 13, 13759-13774.	7.3	70

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19	Immune Checkpoint Inhibitor Therapy Aggravates T Cell-Driven Plaque Inflammation in Atherosclerosis. <i>JACC: CardioOncology</i> , 2020, 2, 599-610.	1.7	69
20	Epac1 and PDZ-GEF cooperate in Rap1 mediated endothelial junction control. <i>Cellular Signalling</i> , 2011, 23, 2056-2064.	1.7	64
21	Deficiency of Nuclear Receptor Nur77 Aggravates Mouse Experimental Colitis by Increased NF κ B Activity in Macrophages. <i>PLoS ONE</i> , 2015, 10, e0133598.	1.1	60
22	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.	1.6	56
23	Endothelial Barrier Function and Leukocyte Transmigration in Atherosclerosis. <i>Biomedicines</i> , 2021, 9, 328.	1.4	54
24	Endothelial cell rearrangements during vascular patterning require PI3-kinase-mediated inhibition of actomyosin contractility. <i>Nature Communications</i> , 2018, 9, 4826.	5.8	53
25	Integrin β 3 Controls Activity and Oncogenic Potential of Primed c-Src. <i>Cancer Research</i> , 2007, 67, 2693-2700.	0.4	52
26	F-Actin-Anchored Focal Adhesions Distinguish Endothelial Phenotypes of Human Arteries and Veins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2059-2067.	1.1	49
27	Endothelial Alpha-Parvin Controls Integrity of Developing Vasculature and Is Required for Maintenance of Cell-Cell Junctions. <i>Circulation Research</i> , 2015, 117, 29-40.	2.0	44
28	CXCR4, but not CXCR3, drives CD8 ⁺ T cell entry into and migration through the murine bone marrow. <i>European Journal of Immunology</i> , 2019, 49, 576-589.	1.6	44
29	Sensing of Cytoskeletal Forces by Asymmetric Adherens Junctions. <i>Trends in Cell Biology</i> , 2018, 28, 328-341.	3.6	43
30	Antibody-Mediated Inhibition of CTLA4 Aggravates Atherosclerotic Plaque Inflammation and Progression in Hyperlipidemic Mice. <i>Cells</i> , 2020, 9, 1987.	1.8	43
31	The F-BAR protein pacsin2 inhibits asymmetric VE-cadherin internalization from tensile adherens junctions. <i>Nature Communications</i> , 2016, 7, 12210.	5.8	40
32	Maturation of <i>Pichia pastoris</i> -derived recombinant pro-Der β 1 induced by deglycosylation and by the natural cysteine protease Der β 1 from house dust mite. <i>FEBS Journal</i> , 2002, 269, 671-679.	0.2	38
33	Long non-coding RNA LASSIE regulates shear stress sensing and endothelial barrier function. <i>Communications Biology</i> , 2020, 3, 265.	2.0	32
34	Stiffness-Induced Endothelial DLC-1 Expression Forces Leukocyte Spreading through Stabilization of the ICAM-1 Adhesome. <i>Cell Reports</i> , 2018, 24, 3115-3124.	2.9	31
35	Endothelial YAP/TAZ Signaling in Angiogenesis and Tumor Vasculature. <i>Frontiers in Oncology</i> , 2020, 10, 612802.	1.3	31
36	Integrins Uncouple Src-induced Morphological and Oncogenic Transformation. <i>Journal of Biological Chemistry</i> , 2008, 283, 13243-13251.	1.6	28

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37	Interferon-Gamma Impairs Maintenance and Alters Hematopoietic Support of Bone Marrow Mesenchymal Stromal Cells. <i>Stem Cells and Development</i> , 2018, 27, 579-589.	1.1	24
38	DLC1 is a direct target of activated YAP/TAZ that drives collective migration and sprouting angiogenesis. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	23
39	A junctional PACSIN2/EHD4/MICAL-L1 complex coordinates VE-cadherin trafficking for endothelial migration and angiogenesis. <i>Nature Communications</i> , 2021, 12, 2610.	5.8	23
40	Cross-Talk between Integrins and Oncogenes Modulates Chemosensitivity. <i>Molecular Pharmacology</i> , 2009, 75, 947-955.	1.0	21
41	Bosutinib prevents vascular leakage by reducing focal adhesion turnover and reinforcing junctional integrity. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	20
42	Vinculin controls endothelial cell junction dynamics during vascular lumen formation. <i>Cell Reports</i> , 2022, 39, 110658.	2.9	20
43	Limited Role of Nuclear Receptor Nur77 in Escherichia coli-Induced Peritonitis. <i>Infection and Immunity</i> , 2014, 82, 253-264.	1.0	18
44	The Interaction of Src Kinase with β 3 Integrin Tails: A Potential Therapeutic Target in Thrombosis and Cancer. <i>Scientific World Journal</i> , The, 2010, 10, 1100-1106.	0.8	17
45	Nuclear shape, protrusive behaviour and in vivo retention of human bone marrow mesenchymal stromal cells is controlled by Lamin-A/C expression. <i>Scientific Reports</i> , 2019, 9, 14401.	1.6	16
46	Junction Mapper is a novel computer vision tool to decipher cell-cell contact phenotypes. <i>ELife</i> , 2019, 8, .	2.8	16
47	Microembolus clearance through angiophagy is an auxiliary mechanism preserving tissue perfusion in the rat brain. <i>Acta Neuropathologica Communications</i> , 2020, 8, 195.	2.4	13
48	Hematopoietic stem and progenitor cells use podosomes to transcellularly cross the bone marrow endothelium. <i>Haematologica</i> , 2020, 105, 2746-2756.	1.7	12
49	The MARCH6-SQLE Axis Controls Endothelial Cholesterol Homeostasis and Angiogenic Sprouting. <i>Cell Reports</i> , 2020, 32, 107944.	2.9	11
50	Force-induced changes of β -catenin conformation stabilize vascular junctions independently of vinculin. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	9
51	Diverse ultrastructural landscape of atherosclerotic endothelium. <i>Atherosclerosis</i> , 2021, 339, 35-45.	0.4	8
52	Endothelial Focal Adhesions Are Functional Obstacles for Leukocytes During Basolateral Crawling. <i>Frontiers in Immunology</i> , 2021, 12, 667213.	2.2	6
53	The regulation of MacMARCKS expression by integrin β 3. <i>Experimental Cell Research</i> , 2007, 313, 1260-1269.	1.2	5
54	Opening the vascular gate. <i>Nature Nanotechnology</i> , 2019, 14, 195-196.	15.6	4

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55	Bone Marrow Harbors a Unique Population of Dendritic Cells with the Potential to Boost Neutrophil Formation upon Exposure to Fungal Antigen. <i>Cells</i> , 2022, 11, 55.	1.8	3
56	Interferon-Gamma Impairs Expansion and Hematopoietic Support of Bone Marrow Mesenchymal Stromal Cells. <i>Blood</i> , 2016, 128, 3884-3884.	0.6	1
57	Vinculin associates with endothelial VE-cadherin junctions to control force-dependent remodeling. <i>Journal of Experimental Medicine</i> , 2012, 209, i3-i3.	4.2	1
58	Correction: Integrins control motile strategy through a Rho-“cofilin pathway. <i>Journal of Cell Biology</i> , 2005, 170, 497-497.	2.3	0
59	Editorial: Endothelial Dynamics in Health and Disease. <i>Frontiers in Physiology</i> , 2020, 11, 611117.	1.3	0
60	A local VE-cadherin and Trio-based signaling complex stabilizes endothelial junctions through Rac1. <i>Development (Cambridge)</i> , 2015, 142, e1.2-e1.2.	1.2	0