Ralf H Adams

List of Publications by Year
in descending order

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43 papers	3,540 citations	186265 28 h-index	265206 42 g-index
44 all docs	44 docs citations	44 times ranked	6288 citing authors

#	Article	IF	Citations
1	Mesenchymal stromal cell-derived septoclasts resorb cartilage during developmental ossification and fracture healing. Nature Communications, 2022, 13, 571.	12.8	21
2	Cardiac macrophages regulate isoproterenol-induced Takotsubo-like cardiomyopathy. JCI Insight, 2022, 7, .	5.0	20
3	Induction of osteogenesis by bone-targeted Notch activation. ELife, 2022, 11, .	6.0	15
4	Bone marrow endothelial dysfunction promotes myeloid cell expansion in cardiovascular disease. , 2022, 1, 28-44.		32
5	A specialized bone marrow microenvironment for fetal haematopoiesis. Nature Communications, 2022, 13, 1327.	12.8	18
6	Loss of vascular endothelial notch signaling promotes spontaneous formation of tertiary lymphoid structures. Nature Communications, 2022, 13, 2022.	12.8	16
7	Genetic lineage tracing reveals poor angiogenic potential of cardiac endothelial cells. Cardiovascular Research, 2021, 117, 256-270.	3.8	22
8	GPR182 is an endothelium-specific atypical chemokine receptor that maintains hematopoietic stem cell homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
9	Regional specialization and fate specification of bone stromal cells in skeletal development. Cell Reports, 2021, 36, 109352.	6.4	59
10	Dopamine signaling regulates hematopoietic stem and progenitor cell function. Blood, 2021, 138, 2051-2065.	1.4	19
11	The endotheliumâ€“bone axis in development, homeostasis and bone and joint disease. Nature Reviews Rheumatology, 2021, 17, 608-620.	8.0	67
12	Ephrin-B2â€“EphB4 communication mediates tumorâ€“endothelial cell interactions during hematogenous spread to spinal bone in a melanoma metastasis model. Oncogene, 2020, 39, 7063-7075.	5.9	10
13	A molecular map of murine lymph node blood vascular endothelium at single cell resolution. Nature Communications, 2020, 11, 3798.	12.8	74
14	Distinct fibroblast subsets regulate lacteal integrity through YAP/TAZ-induced VEGF-C in intestinal villi. Nature Communications, 2020, 11, 4102.	12.8	36
15	Meningeal lymphatic vessels regulate brain tumor drainage and immunity. Cell Research, 2020, 30, 229-243.	12.0	209
16	YAP/TAZ direct commitment and maturation of lymph node fibroblastic reticular cells. Nature Communications, 2020, 11, 519.	12.8	35
17	YAP1 and TAZ negatively control bone angiogenesis by limiting hypoxia-inducible factor signaling in endothelial cells. ELife, 2020, 9, .	6.0	51
18	Transit amplifying cells coordinate mouse incisor mesenchymal stem cell activation. Nature Communications, 2019, 10, 3596.	12.8	31

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19	Loss of the transcription factor RBPJ induces disease-promoting properties in brain pericytes. Nature Communications, 2019, 10, 2817.	12.8	52
20	Phenotypic analysis of Myo10 knockout (Myo10tm2/tm2) mice lacking full-length (motorized) but not brain-specific headless myosin X. Scientific Reports, 2019, 9, 597.	3.3	11
21	Integrin-linked kinase controls retinal angiogenesis and is linked to Wnt signaling and exudative vitreoretinopathy. Nature Communications, 2019, 10, 5243.	12.8	54
22	Low wnt/Î²-catenin signaling determines leaky vessels in the subfornical organ and affects water homeostasis in mice. ELife, 2019, 8, .	6.0	60
23	Endothelial EphB4 maintains vascular integrity and transport function in adult heart. ELife, 2019, 8, .	6.0	38
24	Wnt/Î²-catenin signaling regulates VE-cadherin-mediated anastomosis of brain capillaries by counteracting S1pr1 signaling. Nature Communications, 2018, 9, 4860.	12.8	66
25	NCK-dependent pericyte migration promotes pathological neovascularization in ischemic retinopathy. Nature Communications, 2018, 9, 3463.	12.8	60
26	Spatiotemporal endothelial cell â€“ pericyte association in tumors as shown by high resolution 4D intravital imaging. Scientific Reports, 2018, 8, 9596.	3.3	24
27	Pulmonary pericytes regulate lung morphogenesis. Nature Communications, 2018, 9, 2448.	12.8	72
28	Endothelial Tie1â€“mediated angiogenesis and vascular abnormalization promote tumor progression and metastasis. Journal of Clinical Investigation, 2018, 128, 834-845.	8.2	72
29	Cellâ€“matrix signals specify bone endothelial cells during developmental osteogenesis. Nature Cell Biology, 2017, 19, 189-201.	10.3	161
30	Plastic roles of pericytes in the bloodâ€“retinal barrier. Nature Communications, 2017, 8, 15296.	12.8	210
31	Transcriptional regulation of endothelial cell behavior during sprouting angiogenesis. Nature Communications, 2017, 8, 726.	12.8	71
32	Blood vessel control of macrophage maturation promotes arteriogenesis in ischemia. Nature Communications, 2017, 8, 952.	12.8	83
33	Uncontrolled angiogenic precursor expansion causes coronary artery anomalies in mice lacking Pofut1. Nature Communications, 2017, 8, 578.	12.8	32
34	Dll4 and Notch signalling couples sprouting angiogenesis and artery formation. Nature Cell Biology, 2017, 19, 915-927.	10.3	271
35	Pericytes regulate VEGF-induced endothelial sprouting through VEGFR1. Nature Communications, 2017, 8, 1574.	12.8	186
36	Polarized actin and VE-cadherin dynamics regulate junctional remodelling and cell migration during sprouting angiogenesis. Nature Communications, 2017, 8, 2210.	12.8	129

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37	Blood vessel formation and function in bone. Development (Cambridge), 2016, 143, 2706-2715.	2.5	324
38	Endothelial cells are progenitors of cardiac pericytes and vascular smooth muscle cells. Nature Communications, 2016, 7, 12422.	12.8	181
39	Regulation of monocyte cell fate by blood vessels mediated by Notch signalling. Nature Communications, 2016, 7, 12597.	12.8	115
40	Stability and function of adult vasculature is sustained by Akt/Jagged1 signalling axis in endothelium. Nature Communications, 2016, 7, 10960.	12.8	77
41	RhoA and ROCK mediate histamine-induced vascular leakage and anaphylactic shock. Nature Communications, 2015, 6, 6725.	12.8	141
42	Integrin Î²1 controls VE-cadherin localization and blood vessel stability. Nature Communications, 2015, 6, 6429.	12.8	171
43	Sample preparation for high-resolution 3D confocal imaging of mouse skeletal tissue. Nature Protocols, 2015, 10, 1904-1914.	12.0	120