

Kairbaan M Hodivala-Dilke

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

5,705
citations

31
h-index

68
g-index

68
ext. papers

6,320
ext. citations

13.1
avg, IF

5.35
L-index

#	Paper	IF	Citations
61	Disruption of pancreatic stellate cell myofibroblast phenotype promotes pancreatic tumor invasion.. <i>Cell Reports</i> , 2022 , 38, 110227	10.6	5
60	Improved Immunotherapy Efficacy by Vascular Modulation. <i>Cancers</i> , 2021 , 13,	6.6	3
59	Phosphorylation of pericyte FAK-Y861 affects tumour cell apoptosis and tumour blood vessel regression. <i>Angiogenesis</i> , 2021 , 24, 471-482	10.6	4
58	Pancreatic Cancer Chemotherapy Is Potentiated by Induction of Tertiary Lymphoid Structures in Mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 12, 1543-1565	7.9	6
57	Association of Low Tumor Endothelial Cell pY397-Focal Adhesion Kinase Expression With Survival in Patients With Neoadjuvant-Treated Locally Advanced Breast Cancer. <i>JAMA Network Open</i> , 2020 , 3, e2019304	19.4	1
56	Cancer Burden Is Controlled by Mural Cell- β -Integrin Regulated Crosstalk with Tumor Cells. <i>Cell</i> , 2020 , 181, 1346-1363.e21	56.2	20
55	Pericyte FAK negatively regulates Gas6/Axl signalling to suppress tumour angiogenesis and tumour growth. <i>Nature Communications</i> , 2020 , 11, 2810	17.4	15
54	Cancer associated fibroblast FAK regulates malignant cell metabolism. <i>Nature Communications</i> , 2020 , 11, 1290	17.4	53
53	Macrophages induce malignant traits in mammary epithelium via IKK/ β TBK1 kinases and the serine biosynthesis pathway. <i>EMBO Molecular Medicine</i> , 2020 , 12, e10491	12	9
52	"Splitting the matrix": intussusceptive angiogenesis meets MT1-MMP. <i>EMBO Molecular Medicine</i> , 2020 , 12, e11663	12	6
51	Tumor Cell-Derived Angiopoietin-2 Promotes Metastasis in Melanoma. <i>Cancer Research</i> , 2020 , 80, 2586-2598	12	12
50	Repurposing an anti-cancer agent for the treatment of hypertrophic heart disease. <i>Journal of Pathology</i> , 2019 , 249, 523-535	9.4	2
49	Single-cell transcriptome analyses reveal novel targets modulating cardiac neovascularization by resident endothelial cells following myocardial infarction. <i>European Heart Journal</i> , 2019 , 40, 2507-2520	9.5	71
48	Tumor Angiogenesis Is Differentially Regulated by Phosphorylation of Endothelial Cell Focal Adhesion Kinase Tyrosines-397 and -861. <i>Cancer Research</i> , 2019 , 79, 4371-4386	10.1	24
47	Novel Pure α β Integrin Antagonists That Do Not Induce Receptor Extension, Prime the Receptor, or Enhance Angiogenesis at Low Concentrations. <i>ACS Pharmacology and Translational Science</i> , 2019 , 2, 387-401	5.9	10
46	A HIF-LIMD1 negative feedback mechanism mitigates the pro-tumorigenic effects of hypoxia. <i>EMBO Molecular Medicine</i> , 2018 , 10,	12	11
45	Focal Adhesion Kinase (FAK) tyrosine 397E mutation restores the vascular leakage defect in endothelium-specific FAK-kinase dead mice. <i>Journal of Pathology</i> , 2017 , 242, 358-370	9.4	13

44	Dual role of pericyte $\alpha 5 \beta 1$ -integrin in tumour blood vessels. <i>Journal of Cell Science</i> , 2017 , 130, 1583-1595	5.3	18
43	Overcoming the Lack of Oral Availability of Cyclic Hexapeptides: Design of a Selective and Orally Available Ligand for the Integrin $\alpha 5 \beta 1$. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16405-16409	16.4	24
42	Lösung des Problems mangelnder oraler Verfügbarkeit cyclischer Hexapeptide: Entwicklung eines selektiven, oral verfügbaren Liganden für das Integrin $\alpha 5 \beta 1$. <i>Angewandte Chemie</i> , 2017 , 129, 16624-16629	3.6	5
41	Exploring Novel Methods for Modulating Tumor Blood Vessels in Cancer Treatment. <i>Current Biology</i> , 2016 , 26, R1161-R1166	6.3	65
40	Molecular Pathways: Endothelial Cell FAK-A Target for Cancer Treatment. <i>Clinical Cancer Research</i> , 2016 , 22, 3718-24	12.9	60
39	Pancreatic stellate cells regulate blood vessel density in the stroma of pancreatic ductal adenocarcinoma. <i>Pancreatology</i> , 2016 , 16, 995-1004	3.8	40
38	$\alpha 5 \beta 1$ Integrin and tumour blood vessels-learning from the past to shape the future. <i>Current Opinion in Cell Biology</i> , 2016 , 42, 121-127	9	65
37	The endothelial transcription factor ERG promotes vascular stability and growth through Wnt/ β -catenin signaling. <i>Developmental Cell</i> , 2015 , 32, 82-96	10.2	124
36	Dual-action combination therapy enhances angiogenesis while reducing tumor growth and spread. <i>Cancer Cell</i> , 2015 , 27, 123-37	24.3	135
35	Endothelial-cell FAK targeting sensitizes tumours to DNA-damaging therapy. <i>Nature</i> , 2014 , 514, 112-6	50.4	107
34	Tumour-associated endothelial-FAK correlated with molecular sub-type and prognostic factors in invasive breast cancer. <i>BMC Cancer</i> , 2014 , 14, 237	4.8	18
33	Haematopoietic focal adhesion kinase deficiency alters haematopoietic homeostasis to drive tumour metastasis. <i>Nature Communications</i> , 2014 , 5, 5054	17.4	9
32	Acute depletion of endothelial $\beta 1$ -integrin transiently inhibits tumor growth and angiogenesis in mice. <i>Circulation Research</i> , 2014 , 114, 79-91	15.7	31
31	FAK-heterozygous mice display enhanced tumour angiogenesis. <i>Nature Communications</i> , 2013 , 4, 2020	17.4	30
30	Stromal Claudin14-heterozygosity, but not deletion, increases tumour blood leakage without affecting tumour growth. <i>PLoS ONE</i> , 2013 , 8, e62516	3.7	13
29	Gene expression analysis in human breast cancer associated blood vessels. <i>PLoS ONE</i> , 2012 , 7, e44294	3.7	27
28	Focal adhesion kinase and tumour angiogenesis. <i>Journal of Pathology</i> , 2012 , 226, 404-12	9.4	122
27	Use of the mouse aortic ring assay to study angiogenesis. <i>Nature Protocols</i> , 2011 , 7, 89-104	18.8	333

26	Measuring angiogenesis in mice. <i>Methods in Molecular Biology</i> , 2011 , 769, 351-8	1.4	
25	The role of β -integrins in tumor angiogenesis: context is everything. <i>Current Opinion in Cell Biology</i> , 2011 , 23, 630-7	9	99
24	Tumour angiogenesis is reduced in the Tc1 mouse model of Down's syndrome. <i>Nature</i> , 2010 , 465, 813-7	50.4	101
23	Endothelial-Rac1 is not required for tumor angiogenesis unless α v β 3-integrin is absent. <i>PLoS ONE</i> , 2010 , 5, e9766	3.7	21
22	Endothelial α 3 β 1-integrin represses pathological angiogenesis and sustains endothelial-VEGF. <i>American Journal of Pathology</i> , 2010 , 177, 1534-48	5.8	49
21	Genetic ablation of the α 6-integrin subunit in Tie1Cre mice enhances tumour angiogenesis. <i>Journal of Pathology</i> , 2010 , 220, 370-81	9.4	26
20	Deficiency of bone marrow β 3-integrin enhances non-functional neovascularization. <i>Journal of Pathology</i> , 2010 , 220, 435-45	9.4	16
19	Endothelial FAK is required for tumour angiogenesis. <i>EMBO Molecular Medicine</i> , 2010 , 2, 516-28	12	101
18	α v β 3 integrin limits the contribution of neuropilin-1 to vascular endothelial growth factor-induced angiogenesis. <i>Journal of Biological Chemistry</i> , 2009 , 284, 33966-81	5.4	74
17	Stimulation of tumor growth and angiogenesis by low concentrations of RGD-mimetic integrin inhibitors. <i>Nature Medicine</i> , 2009 , 15, 392-400	50.5	390
16	Reply to: Will integrin inhibitors have proangiogenic effects in the clinic? <i>Nature Medicine</i> , 2009 , 15, 727-727	50.5	6
15	α v β 3 integrin and angiogenesis: a moody integrin in a changing environment. <i>Current Opinion in Cell Biology</i> , 2008 , 20, 514-9	9	107
14	Integrins: the keys to unlocking angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1703-13	9.4	203
13	Efficient, inducible Cre-recombinase activation in vascular endothelium. <i>Genesis</i> , 2008 , 46, 74-80	1.9	219
12	Primary mouse endothelial cell culture for assays of angiogenesis. <i>Methods in Molecular Medicine</i> , 2006 , 120, 503-9		34
11	Specific deletion of focal adhesion kinase suppresses tumor formation and blocks malignant progression. <i>Genes and Development</i> , 2004 , 18, 2998-3003	12.6	174
10	Elevated Flk1 (vascular endothelial growth factor receptor 2) signaling mediates enhanced angiogenesis in β 3-integrin-deficient mice. <i>Cancer Research</i> , 2004 , 64, 8643-50	10.1	139
9	β 3-integrin regulates vascular endothelial growth factor-A-dependent permeability. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 2108-14	9.4	77

8	Integrins in angiogenesis: multitalented molecules in a balancing act. <i>Cell and Tissue Research</i> , 2003 , 314, 131-44	4.2	129
7	Enhanced pathological angiogenesis in mice lacking beta3 integrin or beta3 and beta5 integrins. <i>Nature Medicine</i> , 2002 , 8, 27-34	50.5	561
6	Bone marrow contributes to renal parenchymal turnover and regeneration. <i>Journal of Pathology</i> , 2001 , 195, 229-35	9.4	550
5	Sticky science is skin deep. <i>Journal of Cell Science</i> , 2001 , 114, 3582-3582	5.3	
4	Beta3-integrin-deficient mice are a model for Glanzmann thrombasthenia showing placental defects and reduced survival. <i>Journal of Clinical Investigation</i> , 1999 , 103, 229-38	15.9	581
3	Novel roles for alpha3beta1 integrin as a regulator of cytoskeletal assembly and as a trans-dominant inhibitor of integrin receptor function in mouse keratinocytes. <i>Journal of Cell Biology</i> , 1998 , 142, 1357-69	7.3	192
2	alpha3beta1 Integrin is required for normal development of the epidermal basement membrane. <i>Journal of Cell Biology</i> , 1997 , 137, 729-42	7.3	362
1	Phosphorylation of pericyte FAK-Y861 affects tumour cell apoptosis and tumour blood vessel regression		2