

Kai Kessenbrock

List of Publications by Citations

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Version: 2024-04-28

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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.

36
papers

9,368
citations

22
h-index

44
g-index

44
ext. papers

11,295
ext. citations

15.4
avg, IF

6.17
L-index

#	Paper	IF	Citations
36	Matrix metalloproteinases: regulators of the tumor microenvironment. <i>Cell</i> , 2010 , 141, 52-67	56.2	3358
35	Lifeact: a versatile marker to visualize F-actin. <i>Nature Methods</i> , 2008 , 5, 605-7	21.6	1530
34	Netting neutrophils in autoimmune small-vessel vasculitis. <i>Nature Medicine</i> , 2009 , 15, 623-5	50.5	1100
33	Platelets induce neutrophil extracellular traps in transfusion-related acute lung injury. <i>Journal of Clinical Investigation</i> , 2012 , 122, 2661-71	15.9	646
32	Single-cell analysis reveals a stem-cell program in human metastatic breast cancer cells. <i>Nature</i> , 2015 , 526, 131-5	50.4	584
31	Cancer cells induce metastasis-supporting neutrophil extracellular DNA traps. <i>Science Translational Medicine</i> , 2016 , 8, 361ra138	17.5	404
30	Proteinase 3 and neutrophil elastase enhance inflammation in mice by inactivating antiinflammatory progranulin. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2438-47	15.9	269
29	Tumour heterogeneity and metastasis at single-cell resolution. <i>Nature Cell Biology</i> , 2018 , 20, 1349-1360	23.4	248
28	Single-cell analysis reveals fibroblast heterogeneity and myeloid-derived adipocyte progenitors in murine skin wounds. <i>Nature Communications</i> , 2019 , 10, 650	17.4	171
27	Profiling human breast epithelial cells using single cell RNA sequencing identifies cell diversity. <i>Nature Communications</i> , 2018 , 9, 2028	17.4	141
26	Matrix metalloproteinases in stem cell regulation and cancer. <i>Matrix Biology</i> , 2015 , 44-46, 184-90	11.4	126
25	Defining the emergence of myeloid-derived suppressor cells in breast cancer using single-cell transcriptomics. <i>Science Immunology</i> , 2020 , 5,	28	110
24	A role for matrix metalloproteinases in regulating mammary stem cell function via the Wnt signaling pathway. <i>Cell Stem Cell</i> , 2013 , 13, 300-13	18	104
23	PIM1 kinase inhibition as a targeted therapy against triple-negative breast tumors with elevated MYC expression. <i>Nature Medicine</i> , 2016 , 22, 1321-1329	50.5	102
22	Experimental Considerations for Single-Cell RNA Sequencing Approaches. <i>Frontiers in Cell and Developmental Biology</i> , 2018 , 6, 108	5.7	81
21	Tailor-made inflammation: how neutrophil serine proteases modulate the inflammatory response. <i>Journal of Molecular Medicine</i> , 2011 , 89, 23-8	5.5	71
20	International multicenter evaluation of autoantibodies to ribosomal P proteins. <i>Vaccine Journal</i> , 2006 , 13, 77-83		69

19	Defining Epidermal Basal Cell States during Skin Homeostasis and Wound Healing Using Single-Cell Transcriptomics. <i>Cell Reports</i> , 2020 , 30, 3932-3947.e6	10.6	47
18	Diverse regulation of mammary epithelial growth and branching morphogenesis through noncanonical Wnt signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3121-3126	11.5	35
17	Discoidin domain receptor 1 (DDR1) ablation promotes tissue fibrosis and hypoxia to induce aggressive basal-like breast cancers. <i>Genes and Development</i> , 2018 , 32, 244-257	12.6	27
16	Synthetic peptides: the future of patient management in systemic rheumatic diseases?. <i>Current Medicinal Chemistry</i> , 2007 , 14, 2831-8	4.3	26
15	Single-cell landscape in mammary epithelium reveals bipotent-like cells associated with breast cancer risk and outcome. <i>Communications Biology</i> , 2019 , 2, 306	6.7	23
14	An in vitro vascularized micro-tumor model of human colorectal cancer recapitulates in vivo responses to standard-of-care therapy. <i>Lab on A Chip</i> , 2021 , 21, 1333-1351	7.2	21
13	Microfluidic filter device with nylon mesh membranes efficiently dissociates cell aggregates and digested tissue into single cells. <i>Lab on A Chip</i> , 2018 , 18, 2776-2786	7.2	17
12	Integrated Single-Cell Transcriptomics and Chromatin Accessibility Analysis Reveals Regulators of Mammary Epithelial Cell Identity. <i>Cell Reports</i> , 2020 , 33, 108273	10.6	15
11	Microfluidic platform accelerates tissue processing into single cells for molecular analysis and primary culture models. <i>Nature Communications</i> , 2021 , 12, 2858	17.4	10
10	Automated segmentation and tracking of mitochondria in live-cell time-lapse images. <i>Nature Methods</i> , 2021 , 18, 1091-1102	21.6	8
9	Measuring matrix metalloproteinase activity in macrophages and polymorphonuclear leukocytes. <i>Current Protocols in Immunology</i> , 2011 , Chapter 14, Unit14.24	4	6
8	Coordinate control of basal epithelial cell fate and stem cell maintenance by core EMT transcription factor Zeb1.. <i>Cell Reports</i> , 2022 , 38, 110240	10.6	4
7	Let-7f miRNA regulates SDF-1 β and hypoxia-promoted migration of mesenchymal stem cells and attenuates mammary tumor growth upon exosomal release. <i>Cell Death and Disease</i> , 2021 , 12, 516	9.8	4
6	OVOL1 Regulates Psoriasis-Like Skin Inflammation and Epidermal Hyperplasia. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 1542-1552	4.3	3
5	Unraveling Heterogeneity in Epithelial Cell Fates of the Mammary Gland and Breast Cancer. <i>Cancers</i> , 2019 , 11,	6.6	2
4	Single-Cell Transcriptome Analysis Workflow for Splenic Myeloid-Derived Suppressor Cells from Murine Breast Cancer Models. <i>Methods in Molecular Biology</i> , 2021 , 2236, 177-187	1.4	2
3	Patient-derived xenograft culture-transplant system for investigation of human breast cancer metastasis. <i>Communications Biology</i> , 2021 , 4, 1268	6.7	1
2	Integrated single-cell transcriptomics and chromatin accessibility analysis reveals novel regulators of mammary epithelial cell identity		1

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Evidence for accelerated aging in mammary epithelia of women carrying germline or mutations..
Nature Aging, **2021**, 1, 838-849

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