

Joerg Huelsken

List of Publications by Year in descending order

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62
papers

11,993
citations

87888

38
h-index

118850

62
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64
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64
docs citations

64
times ranked

19805
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning Identifies Stemness Features Associated with Oncogenic Dedifferentiation. <i>Cell</i> , 2018, 173, 338-354.e15.	28.9	1,417
2	$\hat{\beta}$ -Catenin Controls Hair Follicle Morphogenesis and Stem Cell Differentiation in the Skin. <i>Cell</i> , 2001, 105, 533-545.	28.9	1,254
3	Interactions between cancer stem cells and their niche govern metastatic colonization. <i>Nature</i> , 2012, 481, 85-89.	27.8	1,167
4	Requirement for $\hat{\beta}$ -Catenin in Anterior-Posterior Axis Formation in Mice. <i>Journal of Cell Biology</i> , 2000, 148, 567-578.	5.2	592
5	Cutaneous cancer stem cell maintenance is dependent on $\hat{\beta}$ -catenin signalling. <i>Nature</i> , 2008, 452, 650-653.	27.8	564
6	Wnt/ $\hat{\beta}$ -Catenin Is Essential for Intestinal Homeostasis and Maintenance of Intestinal Stem Cells. <i>Molecular and Cellular Biology</i> , 2007, 27, 7551-7559.	2.3	533
7	New aspects of Wnt signaling pathways in higher vertebrates. <i>Current Opinion in Genetics and Development</i> , 2001, 11, 547-553.	3.3	528
8	The Wnt signalling pathway. <i>Journal of Cell Science</i> , 2002, 115, 3977-3978.	2.0	448
9	$\hat{\beta}$ -Catenin signals regulate cell growth and the balance between progenitor cell expansion and differentiation in the nervous system. <i>Developmental Biology</i> , 2003, 258, 406-418.	2.0	442
10	Hematopoietic stem cell and multilineage defects generated by constitutive $\hat{\beta}$ -catenin activation. <i>Nature Immunology</i> , 2006, 7, 1037-1047.	14.5	370
11	Reciprocal Requirements for EDA/EDAR/NF- $\hat{\beta}$ B and Wnt/ $\hat{\beta}$ -Catenin Signaling Pathways in Hair Follicle Induction. <i>Developmental Cell</i> , 2009, 17, 49-61.	7.0	310
12	$\hat{\beta}$ -Catenin Is Required for Specification of Proximal/Distal Cell Fate during Lung Morphogenesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 40231-40238.	3.4	298
13	Essential role of the Wnt pathway effector Tcf-1 for the establishment of functional CD8 T cell memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9777-9782.	7.1	294
14	Role of $\hat{\beta}$ -Catenin in Synaptic Vesicle Localization and Presynaptic Assembly. <i>Neuron</i> , 2003, 40, 719-731.	8.1	288
15	SOX2 Is an Oncogene Activated by Recurrent 3q26.3 Amplifications in Human Lung Squamous Cell Carcinomas. <i>PLoS ONE</i> , 2010, 5, e8960.	2.5	277
16	Autolysosomal $\hat{\beta}$ -catenin degradation regulates Wnt-autophagy-p62 crosstalk. <i>EMBO Journal</i> , 2013, 32, 1903-1916.	7.8	259
17	Requirement of plakophilin 2 for heart morphogenesis and cardiac junction formation. <i>Journal of Cell Biology</i> , 2004, 167, 149-160.	5.2	242
18	Long-term, multilineage hematopoiesis occurs in the combined absence of $\hat{\beta}$ -catenin and $\hat{\beta}$ -catenin. <i>Blood</i> , 2008, 111, 142-149.	1.4	199

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19	HOXA5 Counteracts Stem Cell Traits by Inhibiting Wnt Signaling in Colorectal Cancer. <i>Cancer Cell</i> , 2015, 28, 815-829.	16.8	185
20	The ankyrin repeat protein Diversin recruits Casein kinase Iε to the β-catenin degradation complex and acts in both canonical Wnt and Wnt/JNK signaling. <i>Genes and Development</i> , 2002, 16, 2073-2084.	5.9	181
21	Pancreas-Specific Deletion of β-Catenin Reveals Wnt-Dependent and Wnt-Independent Functions during Development. <i>Current Biology</i> , 2005, 15, 1677-1683.	3.9	156
22	Deletion of β-catenin impairs T cell development. <i>Nature Immunology</i> , 2003, 4, 1177-1182.	14.5	154
23	β-Catenin regulates Cripto- and Wnt3-dependent gene expression programs in mouse axis and mesoderm formation. <i>Development (Cambridge)</i> , 2003, 130, 6283-6294.	2.5	152
24	A Pan-Cancer Analysis Reveals High-Frequency Genetic Alterations in Mediators of Signaling by the TGF-β Superfamily. <i>Cell Systems</i> , 2018, 7, 422-437.e7.	6.2	134
25	β-Catenin Downregulation Is Required for Adaptive Cardiac Remodeling. <i>Circulation Research</i> , 2007, 100, 1353-1362.	4.5	129
26	Genetic interaction between Wnt/β-catenin and BMP receptor signaling during formation of the AER and the dorsal-ventral axis in the limb. <i>Genes and Development</i> , 2003, 17, 1963-1968.	5.9	124
27	Long-Term Engraftment of Primary Bone Marrow Stromal Cells Repairs Niche Damage and Improves Hematopoietic Stem Cell Transplantation. <i>Cell Stem Cell</i> , 2017, 21, 241-255.e6.	11.1	105
28	Polycomb Complex PRC1 Preserves Intestinal Stem Cell Identity by Sustaining Wnt/β-Catenin Transcriptional Activity. <i>Cell Stem Cell</i> , 2016, 18, 91-103.	11.1	97
29	Genetic Dissection of Differential Signaling Threshold Requirements for the Wnt/β-Catenin Pathway In Vivo. <i>PLoS Genetics</i> , 2010, 6, e1000816.	3.5	81
30	Inducibility of Drug-Metabolizing Enzymes by Xenobiotics in Mice with Liver-Specific Knockout of <i>Cttnb1</i> . <i>Drug Metabolism and Disposition</i> , 2009, 37, 1138-1145.	3.3	77
31	Differential requirement for β-catenin in epithelial and fiber cells during lens development. <i>Developmental Biology</i> , 2008, 321, 420-433.	2.0	70
32	Selection of Multipotent Stem Cells during Morphogenesis of Small Intestinal Crypts of <i>Lieberkühn</i> Is Perturbed by Stimulation of Lef-1/β-Catenin Signaling. <i>Journal of Biological Chemistry</i> , 2002, 277, 15843-15850.	3.4	68
33	A Subset of Cancer-Associated Fibroblasts Determines Therapy Resistance. <i>Cell</i> , 2018, 172, 643-644.	28.9	68
34	Phage Selection of Chemically Stabilized β-Helical Peptide Ligands. <i>ACS Chemical Biology</i> , 2016, 11, 1422-1427.	3.4	63
35	Cooperating pre-TCR and TCF-1-dependent signals ensure thymocyte survival. <i>Blood</i> , 2005, 106, 1726-1733.	1.4	61
36	Distinct requirements for Gab1 in Met and EGF receptor signaling <i>in vivo</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15376-15381.	7.1	60

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37	Outside-in integrin signalling regulates haematopoietic stem cell function via Periostin-Itgav axis. <i>Nature Communications</i> , 2016, 7, 13500.	12.8	56
38	β -catenin represses expression of the tumour suppressor 15-prostaglandin dehydrogenase in the normal intestinal epithelium and colorectal tumour cells. <i>Gut</i> , 2012, 61, 1306-1314.	12.1	54
39	Cancer stem cells: never Wnt away from the niche. <i>Current Opinion in Oncology</i> , 2009, 21, 41-46.	2.4	37
40	Metastasis: New insights into organ-specific extravasation and metastatic niches. <i>Experimental Cell Research</i> , 2013, 319, 1604-1610.	2.6	37
41	Dependence of reversibility and progression of mouse neuronopathic Gaucher disease on acid β -glucosidase residual activity levels. <i>Molecular Genetics and Metabolism</i> , 2008, 94, 190-203.	1.1	35
42	High-content, targeted RNA-seq screening in organoids for drug discovery in colorectal cancer. <i>Cell Reports</i> , 2021, 35, 109026.	6.4	35
43	Phage Selection of Peptide Macrocyces against β -Catenin To Interfere with Wnt Signaling. <i>ChemMedChem</i> , 2016, 11, 834-839.	3.2	28
44	SPROUTY2 is a β -catenin and FOXO3a target gene indicative of poor prognosis in colon cancer. <i>Oncogene</i> , 2014, 33, 1975-1985.	5.9	26
45	Cell-type-specific transcriptomics in chimeric models using transcriptome-based masks. <i>Nucleic Acids Research</i> , 2005, 33, e111-e111.	14.5	25
46	β -Catenin regulates P-cadherin expression in mammary basal epithelial cells. <i>FEBS Letters</i> , 2007, 581, 831-836.	2.8	24
47	Complex metastatic niches: already a target for therapy?. <i>Current Opinion in Cell Biology</i> , 2014, 31, 29-38.	5.4	23
48	Lrig1: a new master regulator of epithelial stem cells. <i>EMBO Journal</i> , 2012, 31, 2064-2066.	7.8	20
49	β -Catenin-Dependent Signals Maintain BCR-ABL1+ B Cell Acute Lymphoblastic Leukemia. <i>Cancer Cell</i> , 2019, 35, 649-663.e10.	16.8	20
50	Enhanced Rate of Acquisition of Point Mutations in Mouse Intestinal Adenomas Compared to Normal Tissue. <i>Cell Reports</i> , 2017, 19, 2185-2192.	6.4	18
51	Neural stem cells are increased after loss of β -catenin, but neural progenitors undergo cell death. <i>European Journal of Neuroscience</i> , 2011, 33, 1366-1375.	2.6	17
52	The niche under siege: novel targets for metastasis therapy. <i>Journal of Internal Medicine</i> , 2013, 274, 127-136.	6.0	17
53	The Periostin/Integrin- β v Axis Regulates the Size of Hematopoietic Stem Cell Pool in the Fetal Liver. <i>Stem Cell Reports</i> , 2020, 15, 340-357.	4.8	17
54	Microfluidic co-culture platform to quantify chemotaxis of primary stem cells. <i>Lab on A Chip</i> , 2016, 16, 1934-1945.	6.0	13

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55	To the Editor. European Journal of Immunology, 2009, 39, 3582-3583.	2.9	8
56	β-catenin negatively regulates expression of the prostaglandin transporter PGT in the normal intestinal epithelium and colorectal tumour cells: a role in the chemopreventive efficacy of aspirin?. British Journal of Cancer, 2012, 107, 1514-1517.	6.4	8
57	Tissue-specific stem cells: friend or foe?. Cell Research, 2009, 19, 279-281.	12.0	6
58	Cross-Tissue Identification of Somatic Stem and Progenitor Cells Using a Single-Cell RNA-Sequencing Derived Gene Signature. Stem Cells, 2017, 35, 2390-2402.	3.2	6
59	Niche-Mediated Integrin Signaling Supports Steady-State Hematopoiesis in the Spleen. Journal of Immunology, 2021, 206, 1549-1560.	0.8	5
60	Genomic Instability Profiles at the Single Cell Level in Mouse Colorectal Cancers of Defined Genotypes. Cancers, 2021, 13, 1267.	3.7	5
61	Abstract SY28-02: Interactions between cancer stem cells and their niche govern metastatic colonization. Cancer Research, 2012, 72, SY28-02-SY28-02.	0.9	5
62	Specific Gene Expression in Lgr5+ Stem Cells by Using Cre-Lox Recombination. Methods in Molecular Biology, 2020, 2171, 249-255.	0.9	1