

Jeroen P Roose

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,291
citations

257450

24
h-index

265206

42
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58
all docs

58
docs citations

58
times ranked

3522
citing authors

#	ARTICLE	IF	CITATIONS
1	Tcof1 haploinsufficiency promotes early T cell precursor-like leukemia in NrasQ61R/+ mice. <i>Leukemia</i> , 2022, , .	7.2	0
2	Cellular architecture of human brain metastases. <i>Cell</i> , 2022, 185, 729-745.e20.	28.9	69
3	Dysregulated RASGRP1 expression through RUNX1 mediated transcription promotes autoimmunity. <i>European Journal of Immunology</i> , 2021, 51, 471-482.	2.9	9
4	Regulation of the Small GTPase Ras and Its Relevance to Human Disease. <i>Methods in Molecular Biology</i> , 2021, 2262, 19-43.	0.9	4
5	<i>Nras</i> ^{Q61R/+} and <i>Kras</i> ^{Δ²⁷/Δ²⁷} cooperate to downregulate <i>Rasgrp1</i> and promote lympho-myeloid leukemia in early T-cell precursors. <i>Blood</i> , 2021, 137, 3259-3271.	1.4	5
6	Investigating increased hematopoietic stem cell fitness in a novel mouse model. <i>Small GTPases</i> , 2021, , 1-7.	1.6	0
7	Bioinformatic Approaches to Validation and Functional Analysis of 3D Lung Cancer Models. <i>Cancers</i> , 2021, 13, 701.	3.7	3
8	T cells: a dedicated effector kinase pathways for every trait?. <i>Biochemical Journal</i> , 2021, 478, 1303-1307.	3.7	0
9	Next-Generation Surrogate Wnts Support Organoid Growth and Deconvolute Frizzled Pleiotropy In Vivo. <i>Cell Stem Cell</i> , 2020, 27, 840-851.e6.	11.1	84
10	Protocol for Barcoding T Cells Combined with Timed Stimulations. <i>STAR Protocols</i> , 2020, 1, 100067.	1.2	3
11	Increased baseline RASGRP1 signals enhance stem cell fitness during native hematopoiesis. <i>Oncogene</i> , 2020, 39, 6920-6934.	5.9	6
12	Protocol for Comprehensive Synthetic Lethality Screens. <i>STAR Protocols</i> , 2020, 1, 100016.	1.2	0
13	mTOR and other effector kinase signals that impact T cell function and activity. <i>Immunological Reviews</i> , 2019, 291, 134-153.	6.0	53
14	Alternative ZAP70-p38 signals prime a classical p38 pathway through LAT and SOS to support regulatory T cell differentiation. <i>Science Signaling</i> , 2019, 12, .	3.6	11
15	Cryo-EM structure of a dimeric B-Raf:14-3-3 complex reveals asymmetry in the active sites of B-Raf kinases. <i>Science</i> , 2019, 366, 109-115.	12.6	127
16	Unraveling Heterogeneity in Epithelial Cell Fates of the Mammary Gland and Breast Cancer. <i>Cancers</i> , 2019, 11, 1423.	3.7	5
17	Active Tonic mTORC1 Signals Shape Baseline Translation in Naive T Cells. <i>Cell Reports</i> , 2019, 27, 1858-1874.e6.	6.4	28
18	High-Complexity shRNA Libraries and PI3 Kinase Inhibition in Cancer: High-Fidelity Synthetic Lethality Predictions. <i>Cell Reports</i> , 2019, 27, 631-647.e5.	6.4	9

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19	RasGRP1 is a potential biomarker for stratifying anti-EGFR therapy response in colorectal cancer. JCI Insight, 2019, 4, .	5.0	17
20	Comprehensive analysis of T cell leukemia signals reveals heterogeneity in the PI3 kinase-Akt pathway and limitations of PI3 kinase inhibitors as monotherapy. PLoS ONE, 2018, 13, e0193849.	2.5	14
21	Distinct oncogenic Ras signals characterized by profound differences in flux through the RasGDP/RasGTP cycle. Small GTPases, 2017, 8, 20-25.	1.6	10
22	RasGRP3 Mediates MAPK Pathway Activation in GNAQ Mutant Uveal Melanoma. Cancer Cell, 2017, 31, 685-696.e6.	16.8	113
23	Tonic LAT-HDAC7 Signals Sustain Nur77 and Irf4 Expression to Tune Naive CD4 ⁺ T Cells. Cell Reports, 2017, 19, 1558-1571.	6.4	34
24	Tonic Signals: Why Do Lymphocytes Bother?. Trends in Immunology, 2017, 38, 844-857.	6.8	86
25	A Histidine pH sensor regulates activation of the Ras-specific guanine nucleotide exchange factor RasGRP1. ELife, 2017, 6, .	6.0	32
26	One-way membrane trafficking of SOS in receptor-triggered Ras activation. Nature Structural and Molecular Biology, 2016, 23, 838-846.	8.2	49
27	Lost GRP on cytotoxicity?. Nature Immunology, 2016, 17, 1339-1340.	14.5	2
28	Kinase and Phosphatase Effector Pathways in T Cells. , 2016, , 25-37.		2
29	Unexpected insights for anti-EGFR cancer therapy. Oncotarget, 2015, 6, 18746-18747.	1.8	1
30	RasGRP1 opposes proliferative EGFR ⁺ “SOS1” Ras signals and restricts intestinal epithelial cell growth. Nature Cell Biology, 2015, 17, 804-815.	10.3	54
31	Flavors of EGFR-Ras signals impacting intestinal homeostasis. Cell Cycle, 2015, 14, 3205-3206.	2.6	2
32	RasGRP Ras guanine nucleotide exchange factors in cancer. Frontiers in Biology, 2013, 8, 508-532.	0.7	49
33	Dysregulated RasGRP1 Responds to Cytokine Receptor Input in T Cell Leukemogenesis. Science Signaling, 2013, 6, ra21.	3.6	45
34	Regulation of Ras Exchange Factors and Cellular Localization of Ras Activation by Lipid Messengers in T Cells. Frontiers in Immunology, 2013, 4, 239.	4.8	58
35	PLC- β 3 and PI3K Link Cytokines to ERK Activation in Hematopoietic Cells with Normal and Oncogenic <i>Kras</i> . Science Signaling, 2013, 6, ra105.	3.6	12
36	Activation of Extracellular Signal-Regulated Kinase but Not of p38 Mitogen-Activated Protein Kinase Pathways in Lymphocytes Requires Allosteric Activation of SOS. Molecular and Cellular Biology, 2013, 33, 2470-2484.	2.3	19

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37	Biochemical heterogeneity and developmental varieties in T-cell leukemia. <i>Cell Cycle</i> , 2013, 12, 1480-1481.	2.6	4
38	Structural analysis of autoinhibition in the Ras-specific exchange factor RasGRP1. <i>ELife</i> , 2013, 2, e00813.	6.0	78
39	Rasgrp1 mutation increases naïve T-cell CD44 expression and drives mTOR-dependent accumulation of Helios+ T cells and autoantibodies. <i>ELife</i> , 2013, 2, e01020.	6.0	45
40	STIM1, PKC- ζ and RasGRP set a threshold for proapoptotic Erk signaling during B cell development. <i>Nature Immunology</i> , 2011, 12, 425-433.	14.5	118
41	Basal LAT-diacylglycerol-RasGRP1 Signals in T Cells Maintain TCR ζ Gene Expression. <i>PLoS ONE</i> , 2011, 6, e25540.	2.5	24
42	Origin of the sharp boundary that discriminates positive and negative selection of thymocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 528-533.	7.1	59
43	Response and resistance to MEK inhibition in leukaemias initiated by hyperactive Ras. <i>Nature</i> , 2009, 461, 411-414.	27.8	141
44	Digital Signaling and Hysteresis Characterize Ras Activation in Lymphoid Cells. <i>Cell</i> , 2009, 136, 337-351.	28.9	362
45	Unusual Interplay of Two Types of Ras Activators, RasGRP and SOS, Establishes Sensitive and Robust Ras Activation in Lymphocytes. <i>Molecular and Cellular Biology</i> , 2007, 27, 2732-2745.	2.3	151
46	A Diacylglycerol-Protein Kinase C-RasGRP1 Pathway Directs Ras Activation upon Antigen Receptor Stimulation of T Cells. <i>Molecular and Cellular Biology</i> , 2005, 25, 4426-4441.	2.3	180
47	T Cell Receptor-Independent Basal Signaling via Erk and Abl Kinases Suppresses RAG Gene Expression. <i>PLoS Biology</i> , 2003, 1, e53.	5.6	88
48	Cellular Architecture of Human Brain Metastases. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0