

Atsushi Hirao

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

3,744
citations

331670

21
h-index

214800

47
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56
all docs

56
docs citations

56
times ranked

6933
citing authors

#	ARTICLE	IF	CITATIONS
1	The GPI-anchored protein CD109 protects hematopoietic progenitor cells from undergoing erythroid differentiation induced by TGF- β 2. <i>Leukemia</i> , 2022, 36, 847-855.	7.2	9
2	The Role of Nutrients in Maintaining Hematopoietic Stem Cells and Healthy Hematopoiesis for Life. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1574.	4.1	2
3	SMURF2 phosphorylation at Thr249 modifies glioma stemness and tumorigenicity by regulating TGF- β 2 receptor stability. <i>Communications Biology</i> , 2022, 5, 22.	4.4	8
4	Intracellular metabolic adaptation of intraepithelial CD4+CD8 β \pm T lymphocytes. <i>IScience</i> , 2022, 25, 104021.	4.1	14
5	Therapeutic advantage of targeting lysosomal membrane integrity supported by lysophagy in malignant glioma. <i>Cancer Science</i> , 2022, 113, 2716-2726.	3.9	6
6	RHEB is a potential therapeutic target in T cell acute lymphoblastic leukemia. <i>Biochemical and Biophysical Research Communications</i> , 2022, 621, 74-79.	2.1	3
7	Essential role of autophagy in protecting neonatal haematopoietic stem cells from oxidative stress in a p62-independent manner. <i>Scientific Reports</i> , 2021, 11, 1666.	3.3	12
8	Pillar[6]arene acts as a biosensor for quantitative detection of a vitamin metabolite in crude biological samples. <i>Communications Chemistry</i> , 2020, 3, .	4.5	7
9	Expansion of senescent megakaryocyte-lineage cells maintains CML cell leukemogenesis. <i>Blood Advances</i> , 2020, 4, 6175-6188.	5.2	5
10	Identification of 2-Fluoropalmitic Acid as a Potential Therapeutic Agent Against Glioblastoma. <i>Current Pharmaceutical Design</i> , 2020, 26, 4675-4684.	1.9	6
11	Identification of GSK3 β inhibitor kenpaullone as a temozolomide enhancer against glioblastoma. <i>Scientific Reports</i> , 2019, 9, 10049.	3.3	30
12	Identification of a novel arthritis-associated osteoclast precursor macrophage regulated by FoxM1. <i>Nature Immunology</i> , 2019, 20, 1631-1643.	14.5	107
13	Reciprocal regulation of STING and TCR signaling by mTORC1 for T-cell activation and function. <i>Life Science Alliance</i> , 2019, 2, e201800282.	2.8	40
14	Olfactomedin 4 Inhibits Erythroid Differentiation of Leukemic Cell Lines Induced By TGF- β 2: A Model of Preferential Commitment of Del(13q) Hematopoietic Stem Cells in Immune-Mediated Bone Marrow Failure. <i>Blood</i> , 2019, 134, 5000-5000.	1.4	1
15	Spred1 Safeguards Hematopoietic Homeostasis against Diet-Induced Systemic Stress. <i>Cell Stem Cell</i> , 2018, 22, 713-725.e8.	11.1	33
16	Distinct roles of Rheb and Raptor in activating mTOR complex 1 for the self-renewal of hematopoietic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1129-1135.	2.1	17
17	JLP-JNK signaling protects cancer cells from reactive oxygen species-induced cell death. <i>Biochemical and Biophysical Research Communications</i> , 2018, 501, 724-730.	2.1	14
18	Autophagy inhibition synergizes with calcium mobilization to achieve efficient therapy of malignant gliomas. <i>Cancer Science</i> , 2018, 109, 2497-2508.	3.9	16

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19	Regulation of Hematopoiesis and Hematological Disease by TGF- β Family Signaling Molecules. Cold Spring Harbor Perspectives in Biology, 2017, 9, a027987.	5.5	25
20	Functional dissection of hematopoietic stem cell populations with a stemness-monitoring system based on NS-GFP transgene expression. Scientific Reports, 2017, 7, 11442.	3.3	12
21	Identification of antipsychotic drug fluspirilene as a potential anti-glioma stem cell drug. Oncotarget, 2017, 8, 111728-111741.	1.8	29
22	DDIS-08. DRUG REPOSITIONING TARGETING GLIOMA STEM CELLS. Neuro-Oncology, 2016, 18, vi48-vi49.	1.2	0
23	MIP-1 β /CCL3-expressing basophil-lineage cells drive the leukemic hematopoiesis of chronic myeloid leukemia in mice. Blood, 2016, 127, 2607-2617.	1.4	32
24	Novel oral transforming growth factor- β signaling inhibitor EW7197 eradicates CML-initiating cells. Cancer Science, 2016, 107, 140-148.	3.9	28
25	Therapeutic Strategy for Targeting Aggressive Malignant Gliomas by Disrupting Their Energy Balance. Journal of Biological Chemistry, 2016, 291, 21496-21509.	3.4	31
26	Guest editorial: Cooperative networks for stem cell homeostasis in normal and malignant hematopoiesis: from metabolism to epigenetics. International Journal of Hematology, 2016, 103, 605-606.	1.6	1
27	A novel splenic B1 regulatory cell subset suppresses allergic disease through phosphatidylinositol 3-kinase-Akt pathway activation. Journal of Allergy and Clinical Immunology, 2016, 138, 1170-1182.e9.	2.9	54
28	Strong therapeutic potential of β -secretase inhibitor MRK003 for CD44-high and CD133-low glioblastoma initiating cells. Journal of Neuro-Oncology, 2015, 121, 239-250.	2.9	20
29	Foxo3a Inhibitors of Microbial Origin, JBIR-141 and JBIR-142. Organic Letters, 2015, 17, 5476-5479.	4.6	8
30	S6 Kinase- and β -TrCP2-Dependent Degradation of p19 ^{Arf} Is Required for Cell Proliferation. Molecular and Cellular Biology, 2015, 35, 3517-3527.	2.3	25
31	Pleiotropic roles of mTOR complexes in haemato-lymphopoiesis and leukemogenesis. Journal of Biochemistry, 2014, 156, 73-83.	1.7	21
32	Loss of Tsc1 accelerates malignant gliomagenesis when combined with oncogenic signals. Journal of Biochemistry, 2014, 155, 227-233.	1.7	19
33	Loss of mTOR complex 1 induces developmental blockage in early T-lymphopoiesis and eradicates T-cell acute lymphoblastic leukemia cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3805-3810.	7.1	65
34	Association of a murine leukaemia stem cell gene signature based on nucleostemin promoter activity with prognosis of acute myeloid leukaemia in patients. Biochemical and Biophysical Research Communications, 2014, 450, 837-843.	2.1	4
35	Phosphorylation of p62 Activates the Keap1-Nrf2 Pathway during Selective Autophagy. Molecular Cell, 2013, 51, 618-631.	9.7	880
36	Regulation of Glycolysis by Pdk Functions as a Metabolic Checkpoint for Cell Cycle Quiescence in Hematopoietic Stem Cells. Cell Stem Cell, 2013, 12, 49-61.	11.1	659

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37	Abundant Nucleostemin Expression Supports the Undifferentiated Properties of Germ Cell Tumors. American Journal of Pathology, 2013, 183, 592-603.	3.8	7
38	Mechanistic mammalian target protein of rapamycin signaling in hematopoietic stem cells and leukemia. Cancer Science, 2013, 104, 977-982.	3.9	22
39	mTORC1 Inactivation Prevents and Eradicates Acute Lymphoblastic T-Cell Leukemia. Blood, 2013, 122, 1211-1211.	1.4	0
40	Cutting Edge: mTORC1 in Intestinal CD11c+CD11b+ Dendritic Cells Regulates Intestinal Homeostasis by Promoting IL-10 Production. Journal of Immunology, 2012, 188, 4736-4740.	0.8	68
41	Nucleostemin in Injury-Induced Liver Regeneration. Stem Cells and Development, 2012, 21, 3044-3054.	2.1	12
42	PI3K-Akt-mTORC1-S6K1/2 Axis Controls Th17 Differentiation by Regulating Gfi1 Expression and Nuclear Translocation of ROR γ . Cell Reports, 2012, 1, 360-373.	6.4	283
43	mTORC1 is essential for leukemia propagation but not stem cell self-renewal. Journal of Clinical Investigation, 2012, 122, 2114-2129.	8.2	117
44	Molecular pathology of tumor-initiating cells: Lessons from Philadelphia chromosome-positive leukemia. Pathology International, 2011, 61, 501-508.	1.3	6
45	Maintenance of genomic integrity in hematopoietic stem cells. International Journal of Hematology, 2011, 93, 434-439.	1.6	56
46	NKX2.2 Suppresses Self-Renewal of Glioma-Initiating Cells. Cancer Research, 2011, 71, 1135-1145.	0.9	24
47	Molecular Mechanism Regulating Foxo In Leukemia Initiating Cells of Chronic Myeloid Leukemia.. Blood, 2010, 116, 3391-3391.	1.4	0
48	Identification of tumor-initiating cells in a highly aggressive brain tumor using promoter activity of nucleostemin. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17163-17168.	7.1	79
49	Identification of Stem Cells During Prepubertal Spermatogenesis via Monitoring of Nucleostemin Promoter Activity. Stem Cells, 2008, 26, 3237-3246.	3.2	35
50	Foxo3a Is Essential for Maintenance of the Hematopoietic Stem Cell Pool. Cell Stem Cell, 2007, 1, 101-112.	11.1	780
51	Anti-Oxidant NAC Prevents Hypersensitivity, Immunodeficiency and Lymphomagenesis in Atm ^{-/-} Mice.. Blood, 2006, 108, 4753-4753.	1.4	0
52	Inactivation of p38 MAPK Extends Self-Renewal Capacity of Haematopoietic Stem Cells.. Blood, 2005, 106, 265-265.	1.4	12