Keisuke Ito

List of Publications by Year in descending order

60 papers	10,225 citations	185998 28 h-index	168136 53 g-index
61 all docs	61 docs citations	61 times ranked	14119 citing authors

#	Article	IF	Citations
1	Tie2/Angiopoietin-1 Signaling Regulates Hematopoietic Stem Cell Quiescence in the Bone Marrow Niche. Cell, 2004, 118, 149-161.	13.5	1,753
2	Reactive oxygen species act through p38 MAPK to limit the lifespan of hematopoietic stem cells. Nature Medicine, 2006, 12, 446-451.	15.2	1,196
3	Regulation of oxidative stress by ATM is required for self-renewal of haematopoietic stem cells. Nature, 2004, 431, 997-1002.	13.7	1,084
4	Arteriolar niches maintain haematopoietic stem cell quiescence. Nature, 2013, 502, 637-643.	13.7	1,002
5	Metabolic requirements for the maintenance of self-renewing stem cells. Nature Reviews Molecular Cell Biology, 2014, 15, 243-256.	16.1	848
6	Foxo3a Is Essential for Maintenance of the Hematopoietic Stem Cell Pool. Cell Stem Cell, 2007, 1, 101-112.	5.2	780
7	A PMLâ€“PPAR-Î´ pathway for fatty acid oxidation regulates hematopoietic stem cell maintenance. Nature Medicine, 2012, 18, 1350-1358.	15.2	612
8	PML targeting eradicates quiescent leukaemia-initiating cells. Nature, 2008, 453, 1072-1078.	13.7	517
9	The Oncogenic MicroRNA miR-22 Targets the TET2 Tumor Suppressor to Promote Hematopoietic Stem Cell Self-Renewal and Transformation. Cell Stem Cell, 2013, 13, 87-101.	5.2	288
10	Self-renewal of a purified Tie2 ⁺ hematopoietic stem cell population relies on mitochondrial clearance. Science, 2016, 354, 1156-1160.	6.0	251
11	Cancer-Associated PTEN Mutants Act in a Dominant-Negative Manner to Suppress PTEN Protein Function. Cell, 2014, 157, 595-610.	13.5	235
12	A metabolic prosurvival role for PML in breast cancer. Journal of Clinical Investigation, 2012, 122, 3088-3100.	3.9	220
13	DNA-damage-induced differentiation of leukaemic cells as an anti-cancer barrier. Nature, 2014, 514, 107-111.	13.7	174
14	Hematopoietic Stem Cell Metabolism during Development and Aging. Developmental Cell, 2020, 54, 239-255.	3.1	124
15	Regulation of Reactive Oxygen Species by Atm Is Essential for Proper Response to DNA Double-Strand Breaks in Lymphocytes. Journal of Immunology, 2007, 178, 103-110.	0.4	109
16	Mitochondrial Stress-Initiated Aberrant Activation of the NLRP3 Inflammasome Regulates the Functional Deterioration of Hematopoietic Stem Cell Aging. Cell Reports, 2019, 26, 945-954.e4.	2.9	98
17	Metabolism and the Control of Cell Fate Decisions and Stem Cell Renewal. Annual Review of Cell and Developmental Biology, 2016, 32, 399-409.	4.0	86
18	Germline NPM1 mutations lead to altered rRNA 2â€²-O-methylation and cause dyskeratosis congenita. Nature Genetics, 2019, 51, 1518-1529.	9.4	84

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19	Metabolism as master of hematopoietic stem cell fate. International Journal of Hematology, 2019, 109, 18-27.	0.7	71
20	Hematopoietic stem cell fate through metabolic control. Experimental Hematology, 2018, 64, 1-11.	0.2	68
21	Non-catalytic Roles of Tet2 Are Essential to Regulate Hematopoietic Stem and Progenitor Cell Homeostasis. Cell Reports, 2019, 28, 2480-2490.e4.	2.9	66
22	A Macro View of MicroRNAs: The Discovery of MicroRNAs and Their Role in Hematopoiesis and Hematologic Disease. International Review of Cell and Molecular Biology, 2017, 334, 99-175.	1.6	58
23	A novel signaling network as a critical rheostat for the biology and maintenance of the normal stem cell and the cancer-initiating cell. Current Opinion in Genetics and Development, 2009, 19, 51-59.	1.5	47
24	Membrane-potential compensation reveals mitochondrial volume expansion during HSC commitment. Experimental Hematology, 2018, 68, 30-37.e1.	0.2	46
25	Electron transport chain complex II sustains high mitochondrial membrane potential in hematopoietic stem and progenitor cells. Stem Cell Research, 2019, 40, 101573.	0.3	40
26	Multilayer omics analysis reveals a non-classical retinoic acid signaling axis that regulates hematopoietic stem cell identity. Cell Stem Cell, 2022, 29, 131-148.e10.	5.2	40
27	DNMT3A and TET2 in the Pre-Leukemic Phase of Hematopoietic Disorders. Frontiers in Oncology, 2016, 6, 187.	1.3	38
28	Actinomycin D Targets NPM1c-Primed Mitochondria to Restore PML-Driven Senescence in AML Therapy. Cancer Discovery, 2021, 11, 3198-3213.	7.7	38
29	DNA Damage: A Sensible Mediator of the Differentiation Decision in Hematopoietic Stem Cells and in Leukemia. International Journal of Molecular Sciences, 2015, 16, 6183-6201.	1.8	26
30	A non-cell-autonomous role for Pml in the maintenance of leukemia from the niche. Nature Communications, 2018, 9, 66.	5.8	25
31	DNA damage response, redox status and hematopoiesis. Blood Cells, Molecules, and Diseases, 2014, 52, 12-18.	0.6	17
32	Mitochondrial Contributions to Hematopoietic Stem Cell Aging. International Journal of Molecular Sciences, 2021, 22, 11117.	1.8	17
33	Image-guided transplantation of single cells in the bone marrow of live animals. Scientific Reports, 2017, 7, 3875.	1.6	15
34	Metabolic Regulation of Hematopoietic Stem Cells. HemaSphere, 2022, 6, e740.	1.2	15
35	microRNA-22 promotes megakaryocyte differentiation through repression of its target, GFI1. Blood Advances, 2019, 3, 33-46.	2.5	14
36	The role of PML in hematopoietic and leukemic stem cell maintenance. International Journal of Hematology, 2014, 100, 18-26.	0.7	13

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37	Tet-mediated DNA demethylation regulates specification of hematopoietic stem and progenitor cells during mammalian embryogenesis. Science Advances, 2022, 8, eabm3470.	4.7	13
38	NPM1 ablation induces HSC aging and inflammation to develop myelodysplastic syndrome exacerbated by p53 loss. EMBO Reports, 2022, 23, e54262.	2.0	12
39	Mitochondrial control of hematopoietic stem cell balance and hematopoiesis. Frontiers in Biology, 2015, 10, 117-124.	0.7	9
40	Improving the Accuracy of Flow Cytometric Assessment of Mitochondrial Membrane Potential in Hematopoietic Stem and Progenitor Cells Through the Inhibition of Efflux Pumps. Journal of Visualized Experiments, 2019, , .	0.2	9
41	Leukemia Stem Cells as a Potential Target to Achieve Therapy-Free Remission in Chronic Myeloid Leukemia. Cancers, 2021, 13, 5822.	1.7	9
42	Analysis of the interaction of food components with model lingual epithelial cells: the case of sweet proteins. Flavour and Fragrance Journal, 2011, 26, 274-278.	1.2	8
43	Recent advances in â€œsickle and nicheâ€•research - Tribute to Dr. Paul S Frenette -. Stem Cell Reports, 2022, 17, 1509-1535.	2.3	8
44	HSC Contribution in Making Steady-State Blood. Immunity, 2016, 45, 464-466.	6.6	7
45	Intravital fluorescence microscopy with negative contrast. PLoS ONE, 2021, 16, e0255204.	1.1	6
46	Newly Identified Roles of PML in Stem Cell Biology. Frontiers in Oncology, 2013, 3, 50.	1.3	5
47	Bitterness-masking peptides for epigallocatechin gallate identified through peptide array analysis. Food Science and Technology Research, 2021, 27, 221-228.	0.3	5
48	The Role of Nucleophosmin In Hematopoietic Stem Cells and the Pathogenesis of Myelodysplastic Syndrome. Blood, 2010, 116, 95-95.	0.6	5
49	A PMLâ€“PPAR-Î´ Pathway for Fatty Acid Oxidation Regulates Hematopoietic Stem Cell Maintenance Through the Control of Asymmetric Division.. Blood, 2012, 120, 2327-2327.	0.6	5
50	CD36-Mediated Fatty Acid Oxidation in Hematopoietic Stem Cells Is a Novel Mechanism of Emergency Hematopoiesis in Response to Infection. Immunometabolism, 2022, 4, .	0.7	4
51	Trp-Trp acts as a multifunctional blocker for human bitter taste receptors, hTAS2R14, hTAS2R16, hTAS2R43, and hTAS2R46. Bioscience, Biotechnology and Biochemistry, 2021, 85, 1526-1529.	0.6	3
52	Insights Into the Metabolic Control of Hematopoietic Stem Cell Fate. Experimental Hematology, 2018, 64, S35.	0.2	1
53	Targeting Acute Myeloid Leukemia Stem Cells by MUC1-C Subunit Inhibition. Blood, 2010, 116, 848-848.	0.6	1
54	Resistance in the Ribosome: RUNX1, pre-LSCs, and HSPCs. Cell Stem Cell, 2015, 17, 129-131.	5.2	0

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55	Dipeptidyl peptidase IV inhibitory dipeptides contained in hydrolysates of green tea grounds. Food Science and Technology Research, 2021, 27, 329-334.	0.3	0
56	Of Nestin and Niches: Paul S. Frenette, MD (1965-2021). , 2021, 18, .		0
57	A new screening method for identifying chemosensory receptors responding to agonist. Bioscience, Biotechnology and Biochemistry, 2021, 85, 1521-1525.	0.6	0
58	1â€²-Acetoxychavicol acetate, a potent transient receptor potential ankyrin 1 agonist derived from Thai ginger, prevents visceral fat accumulation in mice fed with a high-fat and high-sucrose diet. Bioscience, Biotechnology and Biochemistry, 2021, 85, 2191-2194.	0.6	0
59	Paul S. Frenette (1965â€“2021). FASEB BioAdvances, 2022, 4, 5-8.	1.3	0
60	Electron Transport Chain Complex II Sustains High Mitochondrial Membrane Potential in Hematopoietic Stem and Progenitor Cells. Blood, 2019, 134, 1188-1188.	0.6	0