Keisuke Ito

List of Publications by Year
in descending order

69 papers	10,603 citations	170677 28 h-index	111472 62 g-index
83 all docs	83 docs citations	83 times ranked	14713 citing authors

#	Article	IF	Citations
1	A mitochondrial NADPH-cholesterol axis regulates extracellular vesicle biogenesis to support hematopoietic stem cell fate. Cell Stem Cell, 2024, 31, 359-377.e10.	10.7	5
2	Resilient anatomy and local plasticity of naive and stress haematopoiesis. Nature, 2024, 627, 839-846.	35.8	6
3	Metabolism and HSC fate: what NADPH is made for. Trends in Cell Biology, 2024, , .	8.0	0
4	PML at mitochondria-associated membranes governs a trimeric complex with NLRP3 and P2X7R that modulates the tumor immune microenvironment. Cell Death and Differentiation, 2023, 30, 429-441.	11.3	16
5	An HDG method for the Steklov eigenvalue problem. IMA Journal of Numerical Analysis, 2022, 42, 1929-1962.	2.9	4
6	Paul S. Frenette (1965â€“2021). FASEB BioAdvances, 2022, 4, 5-8.	2.4	0
7	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.	10.7	55
8	CD36-Mediated Fatty Acid Oxidation in Hematopoietic Stem Cells Is a Novel Mechanism of Emergency Hematopoiesis in Response to Infection. Immunometabolism, 2022, 4, .	2.0	5
9	<i>NPM1</i> ablation induces HSC aging and inflammation to develop myelodysplastic syndrome exacerbated by <i>p53</i> loss. EMBO Reports, 2022, 23, e54262.	4.5	17
10	Tet-mediated DNA demethylation regulates specification of hematopoietic stem and progenitor cells during mammalian embryogenesis. Science Advances, 2022, 8, eabm3470.	10.8	17
11	Metabolic Regulation of Hematopoietic Stem Cells. HemaSphere, 2022, 6, e740.	2.4	23
12	Recent advances in â€œsickle and nicheâ€•research - Tribute to Dr. Paul S Frenette -. Stem Cell Reports, 2022, 17, 1509-1535.	4.7	9
13	Dipeptidyl peptidase IV inhibitory dipeptides contained in hydrolysates of green tea grounds. Food Science and Technology Research, 2021, 27, 329-334.	0.6	0
14	Of Nestin and Niches: Paul S. Frenette, MD (1965-2021). , 2021, 18, .		0
15	A new screening method for identifying chemosensory receptors responding to agonist. Bioscience, Biotechnology and Biochemistry, 2021, 85, 1521-1525.	1.3	1
16	Ä°NSAN VE DOÄžA EKSENÄ°NDE EKOLOJÄ°K SANAT. Ä°nÃ¶nÃ¼ Ãœniversitesi KÃ¼ltÃ¼r Ve Sanat Dergisi, 2021, 7, 76-87.	0.1	3
17	Increasing Prevalence and Direct Health Care Cost of Inflammatory Bowel Disease Among Adults: A Population-Based Study From a Western Canadian Province. Journal of the Canadian Association of Gastroenterology, 2021, 4, 296-305.	0.3	3
18	A computational simulation model for assessing social performance of BIM implementations in construction projects. Journal of Computational Design and Engineering, 2021, 8, 799-811.	3.0	3

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19	The Dopaminergic Neuronal System Regulates the Inflammatory Status of Mouse Lacrimal Glands in Dry Eye Disease. , 2021, 62, 14.		4
20	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.	1.3	1
21	Actinomycin D Targets NPM1c-Primed Mitochondria to Restore PML-Driven Senescence in AML Therapy. Cancer Discovery, 2021, 11, 3198-3213.	14.1	43
22	Intravital fluorescence microscopy with negative contrast. PLoS ONE, 2021, 16, e0255204.	2.5	9
23	Bitterness-masking peptides for epigallocatechin gallate identified through peptide array analysis. Food Science and Technology Research, 2021, 27, 221-228.	0.6	5
24	Mitochondrial Contributions to Hematopoietic Stem Cell Aging. International Journal of Molecular Sciences, 2021, 22, 11117.	4.2	23
25	Leukemia Stem Cells as a Potential Target to Achieve Therapy-Free Remission in Chronic Myeloid Leukemia. Cancers, 2021, 13, 5822.	3.8	11
26	Hematopoietic Stem Cell Metabolism during Development and Aging. Developmental Cell, 2020, 54, 239-255.	7.0	145
27	Intrusive Arch versus Miniscrew-Supported Intrusion for Deep Bite Correction. Open Access Macedonian Journal of Medical Sciences, 2019, 7, 1841-1846.	0.2	18
28	LINKâ€'A lncRNA participates in the pathogenesis of glioma by interacting with survivin. Experimental and Therapeutic Medicine, 2019, 18, 1581-1586.	1.8	8
29	Pre-clinical Model of Cardiac Donation after Circulatory Death. Journal of Visualized Experiments, 2019, , .	0.3	3
30	Non-catalytic Roles of Tet2 Are Essential to Regulate Hematopoietic Stem and Progenitor Cell Homeostasis. Cell Reports, 2019, 28, 2480-2490.e4.	6.3	74
31	Electron transport chain complex II sustains high mitochondrial membrane potential in hematopoietic stem and progenitor cells. Stem Cell Research, 2019, 40, 101573.	0.7	46
32	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.	6.3	107
33	microRNA-22 promotes megakaryocyte differentiation through repression of its target, GFI1. Blood Advances, 2019, 3, 33-46.	5.3	15
34	Germline NPM1 mutations lead to altered rRNA 2â€²-O-methylation and cause dyskeratosis congenita. Nature Genetics, 2019, 51, 1518-1529.	20.2	90
35	Metabolism as master of hematopoietic stem cell fate. International Journal of Hematology, 2019, 109, 18-27.	1.5	75
36	Electron Transport Chain Complex II Sustains High Mitochondrial Membrane Potential in Hematopoietic Stem and Progenitor Cells. Blood, 2019, 134, 1188-1188.	1.4	0

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37	A non-cell-autonomous role for Pml in the maintenance of leukemia from the niche. Nature Communications, 2018, 9, 66.	13.0	25
38	Membrane-potential compensation reveals mitochondrial volume expansion during HSC commitment. Experimental Hematology, 2018, 68, 30-37.e1.	0.5	49
39	Hematopoietic stem cell fate through metabolic control. Experimental Hematology, 2018, 64, 1-11.	0.5	71
40	Insights Into the Metabolic Control of Hematopoietic Stem Cell Fate. Experimental Hematology, 2018, 64, S35.	0.5	1
41	Image-guided transplantation of single cells in the bone marrow of live animals. Scientific Reports, 2017, 7, 3875.	3.4	15
42	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.	5.3	61
43	DNMT3A and TET2 in the Pre-Leukemic Phase of Hematopoietic Disorders. Frontiers in Oncology, 2016, 6, 187.	2.9	42
44	Metabolism and the Control of Cell Fate Decisions and Stem Cell Renewal. Annual Review of Cell and Developmental Biology, 2016, 32, 399-409.	9.3	89
45	HSC Contribution in Making Steady-State Blood. Immunity, 2016, 45, 464-466.	14.0	7
46	Resistance in the Ribosome: RUNX1, pre-LSCs, and HSPCs. Cell Stem Cell, 2015, 17, 129-131.	10.7	0
47	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.	4.2	26
48	Mitochondrial control of hematopoietic stem cell balance and hematopoiesis. Frontiers in Biology, 2015, 10, 117-124.	0.7	9
49	DNA damage response, redox status and hematopoiesis. Blood Cells, Molecules, and Diseases, 2014, 52, 12-18.	1.5	18
50	Metabolic requirements for the maintenance of self-renewing stem cells. Nature Reviews Molecular Cell Biology, 2014, 15, 243-256.	36.9	873
51	The role of PML in hematopoietic and leukemic stem cell maintenance. International Journal of Hematology, 2014, 100, 18-26.	1.5	13
52	Cancer-Associated PTEN Mutants Act in a Dominant-Negative Manner to Suppress PTEN Protein Function. Cell, 2014, 157, 595-610.	27.7	236
53	DNA-damage-induced differentiation of leukaemic cells as an anti-cancer barrier. Nature, 2014, 514, 107-111.	35.8	182
54	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.	10.7	294

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55	Arteriolar niches maintain haematopoietic stem cell quiescence. Nature, 2013, 502, 637-643.	35.8	1,040
56	Newly Identified Roles of PML in Stem Cell Biology. Frontiers in Oncology, 2013, 3, 50.	2.9	6
57	A PMLâ€“PPAR-Î´ pathway for fatty acid oxidation regulates hematopoietic stem cell maintenance. Nature Medicine, 2012, 18, 1350-1358.	29.9	636
58	A metabolic prosurvival role for PML in breast cancer. Journal of Clinical Investigation, 2012, 122, 3088-3100.	6.6	229
59	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.	1.4	6
60	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.	2.5	8
61	Targeting Acute Myeloid Leukemia Stem Cells by MUC1-C Subunit Inhibition. Blood, 2010, 116, 848-848.	1.4	1
62	The Role of Nucleophosmin In Hematopoietic Stem Cells and the Pathogenesis of Myelodysplastic Syndrome. Blood, 2010, 116, 95-95.	1.4	5
63	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.	3.4	47
64	PML targeting eradicates quiescent leukaemia-initiating cells. Nature, 2008, 453, 1072-1078.	35.8	524
65	Regulation of Reactive Oxygen Species by <i>Atm</i> Is Essential for Proper Response to DNA Double-Strand Breaks in Lymphocytes. Journal of Immunology, 2007, 178, 103-110.	0.8	109
66	Foxo3a Is Essential for Maintenance of the Hematopoietic Stem Cell Pool. Cell Stem Cell, 2007, 1, 101-112.	10.7	794
67	Reactive oxygen species act through p38 MAPK to limit the lifespan of hematopoietic stem cells. Nature Medicine, 2006, 12, 446-451.	29.9	1,210
68	Regulation of oxidative stress by ATM is required for self-renewal of haematopoietic stem cells. Nature, 2004, 431, 997-1002.	35.8	1,098
69	Tie2/Angiopoietin-1 Signaling Regulates Hematopoietic Stem Cell Quiescence in the Bone Marrow Niche. Cell, 2004, 118, 149-161.	27.7	1,771