Keisuke Ito

List of Publications by Year
in descending order

70	10,768	153493 30	110988 64
papers	citations	h-index	g-index

86	86	86	18983
all docs	docs citations	times ranked	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.	27.8	1,771
2	Reactive oxygen species act through p38 MAPK to limit the lifespan of hematopoietic stem cells. Nature Medicine, 2006, 12, 446-451.	30.1	1,210
3	Regulation of oxidative stress by ATM is required for self-renewal of haematopoietic stem cells. Nature, 2004, 431, 997-1002.	36.2	1,098
4	Arteriolar niches maintain haematopoietic stem cell quiescence. Nature, 2013, 502, 637-643.	36.2	1,040
5	Metabolic requirements for the maintenance of self-renewing stem cells. Nature Reviews Molecular Cell Biology, 2014, 15, 243-256.	37.3	873
6	Foxo3a Is Essential for Maintenance of the Hematopoietic Stem Cell Pool. Cell Stem Cell, 2007, 1, 101-112.	11.0	794
7	A PMLâ€“PPAR-Î´ pathway for fatty acid oxidation regulates hematopoietic stem cell maintenance. Nature Medicine, 2012, 18, 1350-1358.	30.1	636
8	PML targeting eradicates quiescent leukaemia-initiating cells. Nature, 2008, 453, 1072-1078.	36.2	524
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.	11.0	294
10	Cancer-Associated PTEN Mutants Act in a Dominant-Negative Manner to Suppress PTEN Protein Function. Cell, 2014, 157, 595-610.	27.8	236
11	A metabolic prosurvival role for PML in breast cancer. Journal of Clinical Investigation, 2012, 122, 3088-3100.	8.2	229
12	DNA-damage-induced differentiation of leukaemic cells as an anti-cancer barrier. Nature, 2014, 514, 107-111.	36.2	182
13	Hematopoietic Stem Cell Metabolism during Development and Aging. Developmental Cell, 2020, 54, 239-255.	7.0	145
14	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.	0.8	109
15	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
16	Germline NPM1 mutations lead to altered rRNA 2â€²-O-methylation and cause dyskeratosis congenita. Nature Genetics, 2019, 51, 1518-1529.	20.4	90
17	Metabolism and the Control of Cell Fate Decisions and Stem Cell Renewal. Annual Review of Cell and Developmental Biology, 2016, 32, 399-409.	9.4	89
18	Earlier Diagnosis of Invasive Fusariosis with Aspergillus Serum Galactomannan Testing. PLoS ONE, 2014, 9, e87784.	2.5	83

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19	Metabolism as master of hematopoietic stem cell fate. International Journal of Hematology, 2019, 109, 18-27.	1.6	75
20	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
21	Hematopoietic stem cell fate through metabolic control. Experimental Hematology, 2018, 64, 1-11.	0.5	71
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.	5.3	61
23	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.	11.0	55
24	Membrane-potential compensation reveals mitochondrial volume expansion during HSC commitment. Experimental Hematology, 2018, 68, 30-37.e1.	0.5	49
25	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
26	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
27	Actinomycin D Targets NPM1c-Primed Mitochondria to Restore PML-Driven Senescence in AML Therapy. Cancer Discovery, 2021, 11, 3198-3213.	14.2	43
28	DNMT3A and TET2 in the Pre-Leukemic Phase of Hematopoietic Disorders. Frontiers in Oncology, 2016, 6, 187.	2.9	42
29	Measurement of flow harmonics correlations with mean transverse momentum in leadâ€“lead and protonâ€“lead collisions atÂ$$sqrt{s_{mathrm{NN}}} = 5.02~hbox {TeV}$$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	4.0	41
30	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
31	A non-cell-autonomous role for Pml in the maintenance of leukemia from the niche. Nature Communications, 2018, 9, 66.	13.2	25
32	Mitochondrial Contributions to Hematopoietic Stem Cell Aging. International Journal of Molecular Sciences, 2021, 22, 11117.	4.2	23
33	Metabolic Regulation of Hematopoietic Stem Cells. HemaSphere, 2022, 6, e740.	2.4	23
34	Wild-Type Neural Progenitors Divide and Differentiate Normally in an Amyloid-Rich Environment. Journal of Neuroscience, 2013, 33, 17335-17341.	3.8	19
35	DNA damage response, redox status and hematopoiesis. Blood Cells, Molecules, and Diseases, 2014, 52, 12-18.	1.5	18
36	NPM1 ablation induces HSC aging and inflammation to develop myelodysplastic syndrome exacerbated by p53 loss. EMBO Reports, 2022, 23, e54262.	5.1	17

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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.	10.9	17
38	Biological Effects of Plasma-Based Graphene Oxide Deposition on Titanium. Journal of Nanomaterials, 2019, 2019, 1-7.	2.8	16
39	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
40	Image-guided transplantation of single cells in the bone marrow of live animals. Scientific Reports, 2017, 7, 3875.	3.4	15
41	microRNA-22 promotes megakaryocyte differentiation through repression of its target, GFI1. Blood Advances, 2019, 3, 33-46.	5.4	15
42	Comparative Anticoagulant and Platelet Modulatory Effects of Enoxaparin and Sulodexide. Clinical and Applied Thrombosis/Hemostasis, 2009, 15, 501-511.	1.7	14
43	The role of PML in hematopoietic and leukemic stem cell maintenance. International Journal of Hematology, 2014, 100, 18-26.	1.6	13
44	Leukemia Stem Cells as a Potential Target to Achieve Therapy-Free Remission in Chronic Myeloid Leukemia. Cancers, 2021, 13, 5822.	3.8	11
45	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, , .	0.3	10
46	Mitochondrial control of hematopoietic stem cell balance and hematopoiesis. Frontiers in Biology, 2015, 10, 117-124.	0.7	9
47	Intravital fluorescence microscopy with negative contrast. PLoS ONE, 2021, 16, e0255204.	2.5	9
48	Recent advances in â€œsickle and nicheâ€•research - Tribute to Dr. Paul S Frenette -. Stem Cell Reports, 2022, 17, 1509-1535.	4.7	9
49	Granular Arch Shapes in Storage Silo Determined by Quasi-static Analysis under Uniform Vertical Pressure. Journal of Solid Mechanics and Materials Engineering, 2010, 4, 1237-1248.	0.4	8
50	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
51	HSC Contribution in Making Steady-State Blood. Immunity, 2016, 45, 464-466.	14.2	7
52	Newly Identified Roles of PML in Stem Cell Biology. Frontiers in Oncology, 2013, 3, 50.	2.9	6
53	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
54	Resilient anatomy and local plasticity of naive and stress haematopoiesis. Nature, 2024, 627, 839-846.	36.2	6

#	Article	IF	Citations
55	Bitterness-masking peptides for epigallocatechin gallate identified through peptide array analysis. Food Science and Technology Research, 2021, 27, 221-228.	0.6	5
56	The Role of Nucleophosmin In Hematopoietic Stem Cells and the Pathogenesis of Myelodysplastic Syndrome. Blood, 2010, 116, 95-95.	1.4	5
57	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
58	A mitochondrial NADPH-cholesterol axis regulates extracellular vesicle biogenesis to support hematopoietic stem cell fate. Cell Stem Cell, 2024, 31, 359-377.e10.	11.0	5
59	Ocurrence and risk factors associated with Mycoplasma agalactiae infection in dairy goat herds of ParaÃba State, Brazil. Pesquisa Veterinaria Brasileira, 2019, 39, 93-98.	0.5	2
60	RIFM fragrance ingredient safety assessment, hexen-2-al, CAS Registry Number 6728-26-3. Food and Chemical Toxicology, 2021, 156, 112425.	3.7	2
61	Insights Into the Metabolic Control of Hematopoietic Stem Cell Fate. Experimental Hematology, 2018, 64, S35.	0.5	1
62	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
63	Targeting Acute Myeloid Leukemia Stem Cells by MUC1-C Subunit Inhibition. Blood, 2010, 116, 848-848.	1.4	1
64	Lateral Cyst of the Prostate Causing Urinary Retention and Subileus. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2008, 180, 1005-1007.	0.3	0
65	Resistance in the Ribosome: RUNX1, pre-LSCs, and HSPCs. Cell Stem Cell, 2015, 17, 129-131.	11.0	0
66	Dipeptidyl peptidase IV inhibitory dipeptides contained in hydrolysates of green tea grounds. Food Science and Technology Research, 2021, 27, 329-334.	0.6	0
67	Of Nestin and Niches: Paul S. Frenette, MD (1965-2021). , 2021, 18, .		0
68	Paul S. Frenette (1965â€“2021). FASEB BioAdvances, 2022, 4, 5-8.	2.4	0
69	Electron Transport Chain Complex II Sustains High Mitochondrial Membrane Potential in Hematopoietic Stem and Progenitor Cells. Blood, 2019, 134, 1188-1188.	1.4	0
70	Metabolism and HSC fate: what NADPH is made for. Trends in Cell Biology, 2024, , .	8.1	0