Daniel Lucas

List of Publications by Year
in descending order

59 papers	7,537 citations	304743 22 h-index	233421 45 g-index
67 all docs	67 docs citations	67 times ranked	11277 citing authors

#	Article	IF	Citations
1	Tissue-Resident Macrophages Self-Maintain Locally throughout Adult Life with Minimal Contribution from Circulating Monocytes. Immunity, 2013, 38, 792-804.	14.3	1,767
2	Haematopoietic stem cell release is regulated by circadian oscillations. Nature, 2008, 452, 442-447.	27.8	1,103
3	Arteriolar niches maintain haematopoietic stem cell quiescence. Nature, 2013, 502, 637-643.	27.8	1,002
4	Bone marrow CD169+ macrophages promote the retention of hematopoietic stem and progenitor cells in the mesenchymal stem cell niche. Journal of Experimental Medicine, 2011, 208, 261-271.	8.5	732
5	Megakaryocytes regulate hematopoietic stem cell quiescence through CXCL4 secretion. Nature Medicine, 2014, 20, 1315-1320.	30.7	483
6	Adrenergic Nerves Govern Circadian Leukocyte Recruitment to Tissues. Immunity, 2012, 37, 290-301.	14.3	406
7	Mesenchymal Stem Cell: Keystone of the Hematopoietic Stem Cell Niche and a Stepping-Stone for Regenerative Medicine. Annual Review of Immunology, 2013, 31, 285-316.	21.8	381
8	CD169+ macrophages provide a niche promoting erythropoiesis under homeostasis and stress. Nature Medicine, 2013, 19, 429-436.	30.7	370
9	Chemotherapy-induced bone marrow nerve injury impairs hematopoietic regeneration. Nature Medicine, 2013, 19, 695-703.	30.7	232
10	Mobilized Hematopoietic Stem Cell Yield Depends on Species-Specific Circadian Timing. Cell Stem Cell, 2008, 3, 364-366.	11.1	207
11	Norepinephrine reuptake inhibition promotes mobilization in mice: potential impact to rescue low stem cell yields. Blood, 2012, 119, 3962-3965.	1.4	86
12	Granulocyte-derived TNFÎ± promotes vascular and hematopoietic regeneration in the bone marrow. Nature Medicine, 2018, 24, 95-102.	30.7	78
13	In situ mapping identifies distinct vascular niches for myelopoiesis. Nature, 2021, 590, 457-462.	27.8	74
14	Regionally Restricted Hox Function in Adult Bone Marrow Multipotent Mesenchymal Stem/Stromal Cells. Developmental Cell, 2016, 39, 653-666.	7.0	71
15	Hox11 expressing regional skeletal stem cells are progenitors for osteoblasts, chondrocytes and adipocytes throughout life. Nature Communications, 2019, 10, 3168.	12.8	70
16	Cholinergic Signals from the CNS Regulate G-CSF-Mediated HSC Mobilization from Bone Marrow via a Glucocorticoid Signaling Relay. Cell Stem Cell, 2017, 20, 648-658.e4.	11.1	68
17	Neutrophils as regulators of the hematopoietic niche. Blood, 2019, 133, 2140-2148.	1.4	40
18	Overexpression of human DNA polymerase Â (Pol Â) in a Burkitt's lymphoma cell line affects the somatic hypermutation rate. Nucleic Acids Research, 2004, 32, 5861-5873.	14.5	35

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19	Altered Hematopoiesis in Mice Lacking DNA Polymerase Î¼ Is Due to Inefficient Double-Strand Break Repair. PLoS Genetics, 2009, 5, e1000389.	3.5	33
20	The Bone Marrow Microenvironment for Hematopoietic Stem Cells. Advances in Experimental Medicine and Biology, 2017, 1041, 5-18.	1.6	33
21	Structural organization of the bone marrow and its role in hematopoiesis. Current Opinion in Hematology, 2021, 28, 36-42.	2.5	28
22	SOCS up-regulation mobilizes autologous stem cells through CXCR4 blockade. Blood, 2006, 108, 3928-3937.	1.4	24
23	Trafficking of Stem Cells. Methods in Molecular Biology, 2011, 750, 3-24.	0.9	23
24	Polymeraseâ€„Î¼ is up-regulated during the Tâ€„cell-dependent immune response and its deficiency alters developmental dynamics of spleen centroblasts. European Journal of Immunology, 2005, 35, 1601-1611.	2.9	18
25	Dynamic Regulation of Hematopoietic Stem Cells by Bone Marrow Niches. Current Stem Cell Reports, 2018, 4, 201-208.	1.6	17
26	A Tie2-Notch1 signaling axis regulates regeneration of the endothelial bone marrow niche. Haematologica, 2019, 104, 2164-2177.	3.5	17
27	Increased Learning and Brain Long-Term Potentiation in Aged Mice Lacking DNA Polymerase Î¼. PLoS ONE, 2013, 8, e53243.	2.5	17
28	The Role of the Bone Marrow Microenvironment in the Response to Infection. Frontiers in Immunology, 2020, 11, 585402.	4.8	14
29	Leukocyte Trafficking and Regulation of Murine Hematopoietic Stem Cells and Their Niches. Frontiers in Immunology, 2019, 10, 387.	4.8	13
30	The orphan nuclear receptor TR4 regulates erythroid cell proliferation and maturation. Blood, 2017, 130, 2537-2547.	1.4	11
31	Utility of CRISPR/Cas9 systems in hematology research. Experimental Hematology, 2017, 54, 1-3.	0.4	11
32	Inducible model for Â-six-mediated site-specific recombination in mammalian cells. Nucleic Acids Research, 2006, 34, e1-e1.	14.5	9
33	In vivo site-specific recombination using the Î²-rec/sixsystem. BioTechniques, 2008, 45, 69-78.	1.8	7
34	Unraveling bone marrow architecture. Nature Cell Biology, 2020, 22, 5-6.	10.3	7
35	PolÎ¼ Deficiency Increases Resistance to Oxidative Damage and Delays Liver Aging. PLoS ONE, 2014, 9, e93074.	2.5	6
36	Local Adrenergic Nerves Regulate Diurnal Leukocyte Adhesion: Impact In Sickle Cell Disease. Blood, 2011, 118, 1099-1099.	1.4	6

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37	Anatomy of Hematopoiesis and Local Microenvironments in the Bone Marrow. Where to?. Frontiers in Immunology, 2021, 12, 768439.	4.8	6
38	Osteoblasts: yes, they can. Blood, 2008, 112, 455-455.	1.4	5
39	Reprogramming finds its niche. Nature, 2014, 511, 301-302.	27.8	5
40	Two new routes to make blood: Hematopoietic specification from pluripotent cell lines versus reprogramming of somatic cells. Experimental Hematology, 2015, 43, 756-759.	0.4	5
41	Understanding hematopoiesis from a single-cell standpoint. Experimental Hematology, 2016, 44, 447-450.	0.4	5
42	Megakaryocytes regulate hematopoietic stem cell quiescence via CXCL4 secretion. Experimental Hematology, 2014, 42, S18.	0.4	3
43	Megakaryocytes Regulate Hematopoietic Stem Cell Quiescence Via PF4 Secretion. Blood, 2013, 122, 3-3.	1.4	2
44	Paul S. Frenette (1965â€"2021). Cell, 2021, 184, 5073-5076.	28.9	1
45	The Sympathetic Nervous System Regulates Hematopoietic Stem and Progenitor Cell Homing and Engraftment.. Blood, 2008, 112, 1387-1387.	1.4	1
46	Mobilized Hematopoietic Stem Cell Yield Depends on Species-Specific Circadian Timing. Blood, 2008, 112, 3494-3494.	1.4	1
47	Peri-vascular megakaryocytes restrain hematopoietic stem cell proliferation. Experimental Hematology, 2013, 41, S12.	0.4	0
48	MSC Niche for Hematopoiesis. , 2013, , 91-106.		0
49	From the bedside to the bench: new discoveries on blood cell fate and function. Experimental Hematology, 2017, 47, 24-30.	0.4	0
50	In memory of Paul Sylvain Frenette, a pioneering explorer of the hematopoietic stem cell niche who left far too early. Experimental Hematology, 2021, , .	0.4	0
51	In memory of a game-changing haematologist. Nature, 2021, 597, 31-31.	27.8	0
52	Paul S. Frenette (1965â€"2021). Developmental Cell, 2021, 56, 2688-2691.	7.0	0
53	Paul S. Frenette (1965â€"2021). Nature Cell Biology, 2021, 23, 1049-1050.	10.3	0
54	Paul S. Frenette (1965â€"2021). Cell Stem Cell, 2021, 28, 1686-1689.	11.1	0

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55	Circadian Traffic of Hematopoietic Stem Cells Is Orchestrated by the Molecular Clock and Mediated by Î²3 Adrenergic Signals from the Sympathetic Nervous System.. Blood, 2007, 110, 219-219.	1.4	0
56	Circadian Expression of Endothelial Selectins, Regulated by the Sympathetic Nervous System, Controls Peripheral Leukocyte Homeostasis. Blood, 2008, 112, 548-548.	1.4	0
57	Leukocyte recruitment to the cremaster muscle exhibits circadian oscillations. FASEB Journal, 2010, 24, 355.6.	0.5	0
58	Circadian Adrenergic Regulation of Bone Marrow Endothelial Adhesion Molecule Expression Impacts Progenitor Recruitment and Engraftment Efficiency. Blood, 2010, 116, 398-398.	1.4	0
59	A young microenvironment promotes B-ALL in mice. Blood, 2021, 138, 1789-1790.	1.4	0