Cristina Lo Celso

List of Publications by Year
in descending order

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54 papers	3,376 citations	279487 23 h-index	214527 47 g-index
57 all docs	57 docs citations	57 times ranked	5010 citing authors

#	Article	IF	Citations
1	Metalloproteinase inhibition reduces AML growth, prevents stem cell loss, and improves chemotherapy effectiveness. Blood Advances, 2022, 6, 3126-3141.	2.5	12
2	The EHA Research Roadmap: Hematopoietic Stem Cells and Allotransplantation. HemaSphere, 2022, 6, e0714.	1.2	1
3	Reversible CD8 T cellâ€“neuron cross-talk causes aging-dependent neuronal regenerative decline. Science, 2022, 376, eabd5926.	6.0	30
4	Generation of neighbor-labeling cells to study intercellular interactions in vivo. Nature Protocols, 2021, 16, 872-892.	5.5	19
5	From the niche to malignant hematopoiesis and back: reciprocal interactions between leukemia and the bone marrow microenvironment. JBMR Plus, 2021, 5, e10516.	1.3	9
6	Intravital Imaging of Bone Marrow Niches. Methods in Molecular Biology, 2021, 2308, 203-222.	0.4	5
7	The EHA Research Roadmap: Normal Hematopoiesis. HemaSphere, 2021, 5, e669.	1.2	1
8	Dynamic responses of the haematopoietic stem cell niche to diverse stresses. Nature Cell Biology, 2020, 22, 7-17.	4.6	86
9	Manipulating niche composition limits damage to haematopoietic stem cells during Plasmodium infection. Nature Cell Biology, 2020, 22, 1399-1410.	4.6	26
10	Targeting adhesion to the vascular niche to improve therapy for acute myeloid leukemia. Nature Communications, 2020, 11, 3691.	5.8	6
11	Activated stromal cells transfer mitochondria to rescue acute lymphoblastic leukemia cells from oxidative stress. Blood, 2019, 134, 1415-1429.	0.6	148
12	Defining the inÂvivo characteristics of acute myeloid leukemia cells behavior by intravital imaging. Immunology and Cell Biology, 2019, 97, 229-235.	1.0	20
13	Imaging methods used to study mouse and human HSC niches: Current and emerging technologies. Bone, 2019, 119, 19-35.	1.4	27
14	The interplay of leukemia cells and the bone marrow microenvironment. Blood, 2018, 131, 1507-1511.	0.6	87
15	Inhibition of Endosteal Vascular Niche Remodeling Rescues Hematopoietic Stem Cell Loss in AML. Cell Stem Cell, 2018, 22, 64-77.e6.	5.2	249
16	Shigella -Induced Emergency Granulopoiesis Protects Zebrafish Larvae from Secondary Infection. MBio, 2018, 9, .	1.8	28
17	Redirection to the bone marrow improves T cell persistence and antitumor functions. Journal of Clinical Investigation, 2018, 128, 2010-2024.	3.9	39
18	Multiple membrane extrusion sites drive megakaryocyte migration into bone marrow blood vessels. Life Science Alliance, 2018, 1, e201800061.	1.3	36

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19	The evolving view of the hematopoietic stem cell niche. Experimental Hematology, 2017, 50, 22-26.	0.2	60
20	Intravital microscopy in historic and contemporary immunology. Immunology and Cell Biology, 2017, 95, 506-513.	1.0	54
21	Revealing the inner workings of human HSC adhesion. Blood, 2017, 129, 921-922.	0.6	1
22	Single Cell Phenotyping Reveals Heterogeneity Among Hematopoietic Stem Cells Following Infection. Stem Cells, 2017, 35, 2292-2304.	1.4	15
23	Concise Review: Stem Cell Population Biology: Insights from Hematopoiesis. Stem Cells, 2017, 35, 80-88.	1.4	23
24	Enhanced human hematopoietic stem and progenitor cell engraftment by blocking donor T cellâ€“mediated TNFÎ± signaling. Science Translational Medicine, 2017, 9, .	5.8	23
25	The passive biomechanics of human pelvic collecting lymphatic vessels. PLoS ONE, 2017, 12, e0183222.	1.1	6
26	Automated Identification and Measurement of Haematopoietic Stem Cells in 3D Intravital Microscopy Data. , 2016, , .		0
27	T-cell acute leukaemia exhibits dynamic interactions with bone marrow microenvironments. Nature, 2016, 538, 518-522.	13.7	159
28	Systematic tracking of altered haematopoiesis during sporozoite-mediated malaria development reveals multiple response points. Open Biology, 2016, 6, 160038.	1.5	16
29	Automated Identification and Localization of Hematopoietic Stem Cells in 3D Intravital Microscopy Data. Stem Cell Reports, 2015, 5, 139-153.	2.3	27
30	Flying back to the nest. Intravital, 2014, 3, e29653.	2.0	2
31	In vivo time-lapse imaging shows diverse niche engagement by quiescent and naturally activated hematopoietic stem cells. Blood, 2014, 124, 79-83.	0.6	62
32	Haematopoietic focal adhesion kinase deficiency alters haematopoietic homeostasis to drive tumour metastasis. Nature Communications, 2014, 5, 5054.	5.8	17
33	In Vivo 4-Dimensional Tracking of Hematopoietic Stem and Progenitor Cells in Adult Mouse Calvarial Bone Marrow. Journal of Visualized Experiments, 2014, , e51683.	0.2	14
34	Deciphering Hematopoietic Stem Cells in Their Niches: A Critical Appraisal of Genetic Models, Lineage Tracing, and Imaging Strategies. Cell Stem Cell, 2013, 13, 520-533.	5.2	148
35	Homozygous JAK2V617F drives rapid hematopoietic stem cell proliferation and differentiation at the expense of self-renewal. Experimental Hematology, 2013, 41, S15.	0.2	0
36	In vivo imaging of quiescent and physiologically activated haematopoietic stem cells. Experimental Hematology, 2013, 41, S4.	0.2	0

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37	Quantification of stem cell / niche interactions by coupling in vivo imaging and in silico simulation. Experimental Hematology, 2013, 41, S31.	0.2	0
38	Population dynamics of normal and leukaemia stem cells in the haematopoietic stem cell niche show distinct regimes where leukaemia will be controlled. Journal of the Royal Society Interface, 2013, 10, 20120968.	1.5	30
39	Tracking Single Cells in Live Animals Using a Photoconvertible Near-Infrared Cell Membrane Label. PLoS ONE, 2013, 8, e69257.	1.1	50
40	In vivo imaging of Treg cells providing immune privilege to the haematopoietic stem-cell niche. Nature, 2011, 474, 216-219.	13.7	502
41	In vivo imaging of transplanted hematopoietic stem and progenitor cells in mouse calvarium bone marrow. Nature Protocols, 2011, 6, 1-14.	5.5	135
42	Guanine nucleotide exchange factor Vav1 regulates perivascular homing and bone marrow retention of hematopoietic stem and progenitor cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9607-9612.	3.3	38
43	The haematopoietic stem cell niche at a glance. Journal of Cell Science, 2011, 124, 3529-3535.	1.2	127
44	Real-Time RT-PCR Analysis of Individual Osteolineage Cells within the Hematopoietic Stem Cell Niche. Blood, 2011, 118, 2389-2389.	0.6	0
45	Vav1 Regulates Perivascular Homing, Bone Marrow Retention and Engraftment of Hematopoietic Stem Cells Via SDF1a Signaling. Blood, 2010, 116, 400-400.	0.6	0
46	In vivo imaging of hematopoietic stem cells and their microenvironment. Journal of Biophotonics, 2009, 2, 619-631.	1.1	85
47	Live-animal tracking of individual haematopoietic stem/progenitor cells in their niche. Nature, 2009, 457, 92-96.	13.7	800
48	A Regulatory Network Between Notch and AKT Signaling Pathways Differentially Controls Megakaryocyte Development From Hematopoietic Stem or Committed Progenitor Cells.. Blood, 2009, 114, 384-384.	0.6	1
49	Regulation of Rho GTPases by the Hematopoietic-Specific Guanine Nucleotide Exchange Factor Vav1 Is Critical for Hematopoietic Stem Cell Retention in the Endosteal Niche and Engraftment.. Blood, 2009, 114, 80-80.	0.6	0
50	Leukemia Stem Cells Are Resistant to In Vivo, Cell Non-Autonomous Wnt Inhibition.. Blood, 2009, 114, 1025-1025.	0.6	0
51	Characterization of Bipotential Epidermal Progenitors Derived from Human Sebaceous Gland: Contrasting Roles of c-Myc and Î²-Catenin. Stem Cells, 2008, 26, 1241-1252.	1.4	117
52	Stem Cells Remember Their Grade. Cell Stem Cell, 2007, 1, 132-134.	5.2	1
53	Analysis of the Hematopoietic Stem Cell Niche. Current Protocols in Stem Cell Biology, 2007, 3, Unit 2A.5.	3.0	7
54	Isolation and Transplantation of Hematopoietic Stem Cells (HSCs). Journal of Visualized Experiments, 2007, , 157.	0.2	24