

Cristina Lo Celso

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,376
citations

279487

23
h-index

214527

47
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57
all docs

57
docs citations

57
times ranked

5010
citing authors

#	ARTICLE	IF	CITATIONS
1	Live-animal tracking of individual haematopoietic stem/progenitor cells in their niche. <i>Nature</i> , 2009, 457, 92-96.	13.7	800
2	In vivo imaging of Treg cells providing immune privilege to the haematopoietic stem-cell niche. <i>Nature</i> , 2011, 474, 216-219.	13.7	502
3	Inhibition of Endosteal Vascular Niche Remodeling Rescues Hematopoietic Stem Cell Loss in AML. <i>Cell Stem Cell</i> , 2018, 22, 64-77.e6.	5.2	249
4	T-cell acute leukaemia exhibits dynamic interactions with bone marrow microenvironments. <i>Nature</i> , 2016, 538, 518-522.	13.7	159
5	Deciphering Hematopoietic Stem Cells in Their Niches: A Critical Appraisal of Genetic Models, Lineage Tracing, and Imaging Strategies. <i>Cell Stem Cell</i> , 2013, 13, 520-533.	5.2	148
6	Activated stromal cells transfer mitochondria to rescue acute lymphoblastic leukemia cells from oxidative stress. <i>Blood</i> , 2019, 134, 1415-1429.	0.6	148
7	In vivo imaging of transplanted hematopoietic stem and progenitor cells in mouse calvarium bone marrow. <i>Nature Protocols</i> , 2011, 6, 1-14.	5.5	135
8	The haematopoietic stem cell niche at a glance. <i>Journal of Cell Science</i> , 2011, 124, 3529-3535.	1.2	127
9	Characterization of Bipotential Epidermal Progenitors Derived from Human Sebaceous Gland: Contrasting Roles of c-Myc and β -Catenin. <i>Stem Cells</i> , 2008, 26, 1241-1252.	1.4	117
10	The interplay of leukemia cells and the bone marrow microenvironment. <i>Blood</i> , 2018, 131, 1507-1511.	0.6	87
11	Dynamic responses of the haematopoietic stem cell niche to diverse stresses. <i>Nature Cell Biology</i> , 2020, 22, 7-17.	4.6	86
12	In vivo imaging of hematopoietic stem cells and their microenvironment. <i>Journal of Biophotonics</i> , 2009, 2, 619-631.	1.1	85
13	In vivo time-lapse imaging shows diverse niche engagement by quiescent and naturally activated hematopoietic stem cells. <i>Blood</i> , 2014, 124, 79-83.	0.6	62
14	The evolving view of the hematopoietic stem cell niche. <i>Experimental Hematology</i> , 2017, 50, 22-26.	0.2	60
15	Intravital microscopy in historic and contemporary immunology. <i>Immunology and Cell Biology</i> , 2017, 95, 506-513.	1.0	54
16	Tracking Single Cells in Live Animals Using a Photoconvertible Near-Infrared Cell Membrane Label. <i>PLoS ONE</i> , 2013, 8, e69257.	1.1	50
17	Redirection to the bone marrow improves T cell persistence and antitumor functions. <i>Journal of Clinical Investigation</i> , 2018, 128, 2010-2024.	3.9	39
18	Guanine nucleotide exchange factor Vav1 regulates perivascular homing and bone marrow retention of hematopoietic stem and progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9607-9612.	3.3	38

#	ARTICLE	IF	CITATIONS
19	Multiple membrane extrusion sites drive megakaryocyte migration into bone marrow blood vessels. <i>Life Science Alliance</i> , 2018, 1, e201800061.	1.3	36
20	Population dynamics of normal and leukaemia stem cells in the haematopoietic stem cell niche show distinct regimes where leukaemia will be controlled. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120968.	1.5	30
21	Reversible CD8 T cell-neuron cross-talk causes aging-dependent neuronal regenerative decline. <i>Science</i> , 2022, 376, eabd5926.	6.0	30
22	<i>Shigella</i> -Induced Emergency Granulopoiesis Protects Zebrafish Larvae from Secondary Infection. <i>MBio</i> , 2018, 9, .	1.8	28
23	Automated Identification and Localization of Hematopoietic Stem Cells in 3D Intravital Microscopy Data. <i>Stem Cell Reports</i> , 2015, 5, 139-153.	2.3	27
24	Imaging methods used to study mouse and human HSC niches: Current and emerging technologies. <i>Bone</i> , 2019, 119, 19-35.	1.4	27
25	Manipulating niche composition limits damage to haematopoietic stem cells during Plasmodium infection. <i>Nature Cell Biology</i> , 2020, 22, 1399-1410.	4.6	26
26	Isolation and Transplantation of Hematopoietic Stem Cells (HSCs). <i>Journal of Visualized Experiments</i> , 2007, , 157.	0.2	24
27	Concise Review: Stem Cell Population Biology: Insights from Hematopoiesis. <i>Stem Cells</i> , 2017, 35, 80-88.	1.4	23
28	Enhanced human hematopoietic stem and progenitor cell engraftment by blocking donor T cell-mediated TNF signaling. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	23
29	Defining the <i>in vivo</i> characteristics of acute myeloid leukemia cells behavior by intravital imaging. <i>Immunology and Cell Biology</i> , 2019, 97, 229-235.	1.0	20
30	Generation of neighbor-labeling cells to study intercellular interactions in vivo. <i>Nature Protocols</i> , 2021, 16, 872-892.	5.5	19
31	Haematopoietic focal adhesion kinase deficiency alters haematopoietic homeostasis to drive tumour metastasis. <i>Nature Communications</i> , 2014, 5, 5054.	5.8	17
32	Systematic tracking of altered haematopoiesis during sporozoite-mediated malaria development reveals multiple response points. <i>Open Biology</i> , 2016, 6, 160038.	1.5	16
33	Single Cell Phenotyping Reveals Heterogeneity Among Hematopoietic Stem Cells Following Infection. <i>Stem Cells</i> , 2017, 35, 2292-2304.	1.4	15
34	<i>In Vivo</i> 4-Dimensional Tracking of Hematopoietic Stem and Progenitor Cells in Adult Mouse Calvarial Bone Marrow. <i>Journal of Visualized Experiments</i> , 2014, , e51683.	0.2	14
35	Metalloproteinase inhibition reduces AML growth, prevents stem cell loss, and improves chemotherapy effectiveness. <i>Blood Advances</i> , 2022, 6, 3126-3141.	2.5	12
36	From the niche to malignant hematopoiesis and back: reciprocal interactions between leukemia and the bone marrow microenvironment. <i>JBMR Plus</i> , 2021, 5, e10516.	1.3	9

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37	Analysis of the Hematopoietic Stem Cell Niche. Current Protocols in Stem Cell Biology, 2007, 3, Unit 2A.5.	3.0	7
38	Targeting adhesion to the vascular niche to improve therapy for acute myeloid leukemia. Nature Communications, 2020, 11, 3691.	5.8	6
39	The passive biomechanics of human pelvic collecting lymphatic vessels. PLoS ONE, 2017, 12, e0183222.	1.1	6
40	Intravital Imaging of Bone Marrow Niches. Methods in Molecular Biology, 2021, 2308, 203-222.	0.4	5
41	Flying back to the nest. Intravital, 2014, 3, e29653.	2.0	2
42	Stem Cells Remember Their Grade. Cell Stem Cell, 2007, 1, 132-134.	5.2	1
43	Revealing the inner workings of human HSC adhesion. Blood, 2017, 129, 921-922.	0.6	1
44	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
45	The EHA Research Roadmap: Normal Hematopoiesis. HemaSphere, 2021, 5, e669.	1.2	1
46	The EHA Research Roadmap: Hematopoietic Stem Cells and Allogeneic Transplantation. HemaSphere, 2022, 6, e0714.	1.2	1
47	Homozygous JAK2V617F drives rapid hematopoietic stem cell proliferation and differentiation at the expense of self-renewal. Experimental Hematology, 2013, 41, S15.	0.2	0
48	In vivo imaging of quiescent and physiologically activated haematopoietic stem cells. Experimental Hematology, 2013, 41, S4.	0.2	0
49	Quantification of stem cell / niche interactions by coupling in vivo imaging and in silico simulation. Experimental Hematology, 2013, 41, S31.	0.2	0
50	Automated Identification and Measurement of Haematopoietic Stem Cells in 3D Intravital Microscopy Data. , 2016, , .		0
51	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
52	Leukemia Stem Cells Are Resistant to In Vivo, Cell Non-Autonomous Wnt Inhibition.. Blood, 2009, 114, 1025-1025.	0.6	0
53	Vav1 Regulates Perivascular Homing, Bone Marrow Retention and Engraftment of Hematopoietic Stem Cells Via SDF1a Signaling. Blood, 2010, 116, 400-400.	0.6	0
54	Real-Time RT-PCR Analysis of Individual Osteolineage Cells within the Hematopoietic Stem Cell Niche. Blood, 2011, 118, 2389-2389.	0.6	0