

Elisa Laurenti

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

10,889
citations

126907

33
h-index

138484

58
g-index

76
all docs

76
docs citations

76
times ranked

17275
citing authors

#	ARTICLE	IF	CITATIONS
1	Hematopoietic Stem Cells Reversibly Switch from Dormancy to Self-Renewal during Homeostasis and Repair. <i>Cell</i> , 2008, 135, 1118-1129.	28.9	1,627
2	The genetic basis of early T-cell precursor acute lymphoblastic leukaemia. <i>Nature</i> , 2012, 481, 157-163.	27.8	1,430
3	Isolation of Single Human Hematopoietic Stem Cells Capable of Long-Term Multilineage Engraftment. <i>Science</i> , 2011, 333, 218-221.	12.6	717
4	Hematopoiesis: A Human Perspective. <i>Cell Stem Cell</i> , 2012, 10, 120-136.	11.1	679
5	A single-cell resolution map of mouse hematopoietic stem and progenitor cell differentiation. <i>Blood</i> , 2016, 128, e20-e31.	1.4	608
6	Distinct routes of lineage development reshape the human blood hierarchy across ontogeny. <i>Science</i> , 2016, 351, aab2116.	12.6	597
7	From haematopoietic stem cells to complex differentiation landscapes. <i>Nature</i> , 2018, 553, 418-426.	27.8	549
8	Single-cell multi-omics analysis of the immune response in COVID-19. <i>Nature Medicine</i> , 2021, 27, 904-916.	30.7	452
9	Population dynamics of normal human blood inferred from somatic mutations. <i>Nature</i> , 2018, 561, 473-478.	27.8	427
10	Decoding human fetal liver haematopoiesis. <i>Nature</i> , 2019, 574, 365-371.	27.8	392
11	The unfolded protein response governs integrity of the haematopoietic stem-cell pool during stress. <i>Nature</i> , 2014, 510, 268-272.	27.8	292
12	Somatic mutation landscapes at single-molecule resolution. <i>Nature</i> , 2021, 593, 405-410.	27.8	254
13	Hematopoietic Stem Cell Function and Survival Depend on c-Myc and N-Myc Activity. <i>Cell Stem Cell</i> , 2008, 3, 611-624.	11.1	253
14	CDK6 Levels Regulate Quiescence Exit in Human Hematopoietic Stem Cells. <i>Cell Stem Cell</i> , 2015, 16, 302-313.	11.1	247
15	DNA Methylation Dynamics of Human Hematopoietic Stem Cell Differentiation. <i>Cell Stem Cell</i> , 2016, 19, 808-822.	11.1	216
16	Dormant and Self-Renewing Hematopoietic Stem Cells and Their Niches. <i>Annals of the New York Academy of Sciences</i> , 2007, 1106, 64-75.	3.8	202
17	The transcriptional architecture of early human hematopoiesis identifies multilevel control of lymphoid commitment. <i>Nature Immunology</i> , 2013, 14, 756-763.	14.5	188
18	Balancing dormant and self-renewing hematopoietic stem cells. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 461-468.	3.3	176

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19	Clonal dynamics of haematopoiesis across the human lifespan. <i>Nature</i> , 2022, 606, 343-350.	27.8	160
20	Enhanced c-Met activity promotes G-CSF-induced mobilization of hematopoietic progenitor cells via ROS signaling. <i>Blood</i> , 2011, 117, 419-428.	1.4	114
21	The human protein Hurler-1 substitutes for <i>Drosophila</i> Lethal giant larvae tumour suppressor function in vivo. <i>Oncogene</i> , 2004, 23, 8688-8694.	5.9	112
22	A KRAB/KAP1-miRNA Cascade Regulates Erythropoiesis Through Stage-Specific Control of Mitophagy. <i>Science</i> , 2013, 340, 350-353.	12.6	95
23	Myc's other life: stem cells and beyond. <i>Current Opinion in Cell Biology</i> , 2009, 21, 844-854.	5.4	89
24	Sphingolipid Modulation Activates Proteostasis Programs to Govern Human Hematopoietic Stem Cell Self-Renewal. <i>Cell Stem Cell</i> , 2019, 25, 639-653.e7.	11.1	79
25	Blood and immune development in human fetal bone marrow and Down syndrome. <i>Nature</i> , 2021, 598, 327-331.	27.8	73
26	Estimating Dormant and Active Hematopoietic Stem Cell Kinetics through Extensive Modeling of Bromodeoxyuridine Label-Retaining Cell Dynamics. <i>PLoS ONE</i> , 2009, 4, e6972.	2.5	71
27	Reduced Lymphoid Lineage Priming Promotes Human Hematopoietic Stem Cell Expansion. <i>Cell Stem Cell</i> , 2014, 14, 94-106.	11.1	63
28	Myelo-lymphoid lineage restriction occurs in the human haematopoietic stem cell compartment before lymphoid-primed multipotent progenitors. <i>Nature Communications</i> , 2018, 9, 4100.	12.8	62
29	Dynamic Regulation of Notch 1 and Notch 2 Surface Expression during T Cell Development and Activation Revealed by Novel Monoclonal Antibodies. <i>Journal of Immunology</i> , 2009, 183, 7212-7222.	0.8	58
30	Early loss of Crebbp confers malignant stem cell properties on lymphoid progenitors. <i>Nature Cell Biology</i> , 2017, 19, 1093-1104.	10.3	58
31	Intercellular network structure and regulatory motifs in the human hematopoietic system. <i>Molecular Systems Biology</i> , 2014, 10, 741.	7.2	57
32	Lineage- and stage-restricted lentiviral vectors for the gene therapy of chronic granulomatous disease. <i>Gene Therapy</i> , 2011, 18, 1087-1097.	4.5	45
33	Anaplastic large cell lymphoma-propagating cells are detectable by side population analysis and possess an expression profile reflective of a primitive origin. <i>Oncogene</i> , 2015, 34, 1843-1852.	5.9	40
34	Sphingosine-1-Phosphate Receptor 3 Potentiates Inflammatory Programs in Normal and Leukemia Stem Cells to Promote Differentiation. <i>Blood Cancer Discovery</i> , 2021, 2, 32-53.	5.0	35
35	Inducible Gene and shRNA Expression in Resident Hematopoietic Stem Cells In Vivo. <i>Stem Cells</i> , 2010, 28, 1390-1398.	3.2	29
36	c-Myc controls the development of CD8 ⁺ TCR ⁺ intestinal intraepithelial lymphocytes from thymic precursors by regulating IL-15-dependent survival. <i>Blood</i> , 2010, 115, 4431-4438.	1.4	27

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37	Unique molecular and functional features of extramedullary hematopoietic stem and progenitor cell reservoirs in humans. <i>Blood</i> , 2022, 139, 3387-3401.	1.4	26
38	Regulation of Episomal Gene Expression by KRAB/KAP1-Mediated Histone Modifications. <i>Journal of Virology</i> , 2009, 83, 5574-5580.	3.4	25
39	Molecular landscapes of human hematopoietic stem cells in health and leukemia. <i>Annals of the New York Academy of Sciences</i> , 2016, 1370, 5-14.	3.8	24
40	Hyaluronic acidâ€œGPC5C signalling promotes dormancy in haematopoietic stem cells. <i>Nature Cell Biology</i> , 2022, 24, 1038-1048.	10.3	24
41	Dominant-negative Ikaros cooperates with BCR-ABL1 to induce human acute myeloid leukemia in xenografts. <i>Leukemia</i> , 2015, 29, 177-187.	7.2	23
42	Improved HSC reconstitution and protection from inflammatory stress and chemotherapy in mice lacking granzyme B. <i>Journal of Experimental Medicine</i> , 2014, 211, 769-779.	8.5	20
43	Hematopoietic stem and progenitor cells outside the bone marrow: where, when, and why. <i>Experimental Hematology</i> , 2021, 104, 9-16.	0.4	19
44	Molecular and functional characterization of early human hematopoiesis. <i>Annals of the New York Academy of Sciences</i> , 2012, 1266, 68-71.	3.8	16
45	Transcriptional characterization of human megakaryocyte polyploidization and lineage commitment. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 1236-1249.	3.8	15
46	STAT1 is essential for HSC function and maintains MHCIIhi stem cells that resist myeloablation and neoplastic expansion. <i>Blood</i> , 2022, 140, 1592-1606.	1.4	15
47	Hematopoietic stem cells retain functional potential and molecular identity in hibernation cultures. <i>Stem Cell Reports</i> , 2021, 16, 1614-1628.	4.8	12
48	A transcriptomic continuum of differentiation arrest identifies myeloid interface acute leukemias with poor prognosis. <i>Leukemia</i> , 2021, 35, 724-736.	7.2	8
49	Beyond â€œto divide or not to divideâ€œ: Kinetics matters in hematopoietic stem cells. <i>Experimental Hematology</i> , 2020, 92, 1-10.e2.	0.4	7
50	Chronic lymphocytic leukemia increases the pool of peripheral blood hematopoietic stem cells and skews differentiation. <i>Blood Advances</i> , 2020, 4, 6310-6314.	5.2	3
51	Hematopoietic Stem Cells Reversibly Switch from Dormancy to Self-Renewal during Homeostasis and Repair. <i>Cell</i> , 2009, 138, 209.	28.9	2
52	Immature acute leukaemias: lessons from the haematopoietic roadmap. <i>FEBS Journal</i> , 2022, 289, 4355-4370.	4.7	2
53	Sphingolipid Perturbation Activates Proteostasis Programs to Govern Human Hematopoietic Stem Cell Self-Renewal. <i>Blood</i> , 2018, 132, 170-170.	1.4	2
54	Human megakaryocytes: finding the root. <i>Blood</i> , 2017, 129, 3277-3279.	1.4	1

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55	Molecular and Functional Characterization of Early Lineage Commitment of Human Hematopoietic Stem Cells. <i>Blood</i> , 2011, 118, 907-907.	1.4	1
56	DNMT3A R882 Mutation in Human Haematopoietic Stem Cells Alters Differentiation Towards Neutrophils and Monocytes. <i>Blood</i> , 2021, 138, 2162-2162.	1.4	1
57	Discovery of Novel Recurrent Mutations in Childhood Early T-Cell Precursor Acute Lymphoblastic Leukemia by Whole Genome Sequencing - a Report From the St Jude Children's Research Hospital - Washington University Pediatric Cancer Genome Project. <i>Blood</i> , 2011, 118, 68-68.	1.4	0
58	The Human Blood Hierarchy Is Shaped By Distinct Progenitor Lineages Across Development. <i>Blood</i> , 2015, 126, 2360-2360.	1.4	0
59	Sphingosine-1-Phosphate Receptor 3 (S1PR3) Promotes Myeloid Commitment of Human Hematopoietic and Leukemic Stem Cells. <i>Blood</i> , 2018, 132, 1329-1329.	1.4	0
60	A Transcriptomic Continuum of Differentiation Arrest in Acute Leukemia. <i>Blood</i> , 2019, 134, 2511-2511.	1.4	0
61	1015 " HUMAN HAEMATOPOIETIC STEM AND PROGENITOR CELL LANDSCAPES: LOCATION MATTERS. <i>Experimental Hematology</i> , 2020, 88, S21.	0.4	0
62	Blood stem cells SElect quiescence. <i>Blood</i> , 2020, 136, 2967-2968.	1.4	0
63	1019 " HUMAN HAEMATOPOIETIC STEM CELLS THROUGH A SINGLE CELL LENS. <i>Experimental Hematology</i> , 2021, 100, S23.	0.4	0
64	2027 " INTEGRATED SINGLE CELL ANALYSIS IDENTIFIES UNIQUE MOLECULAR AND FUNCTIONAL FEATURES OF EXTRAMEDULLARY HAEMATOPOIESIS IN HUMANS. <i>Experimental Hematology</i> , 2021, 100, S40-S41.	0.4	0
65	2025 " HAEMATOPOIETIC STEM CELL CLONAL DYNAMICS ACROSS THE HUMAN LIFESPAN. <i>Experimental Hematology</i> , 2021, 100, S39-S40.	0.4	0