Hanna K A Mikkola

List of Publications by Year
in descending order

39 papers	3,933 citations	201674 27 h-index	330143 37 g-index
43 all docs	43 docs citations	43 times ranked	5523 citing authors

#	Article	IF	Citations
1	The Placenta Is a Niche for Hematopoietic Stem Cells. Developmental Cell, 2005, 8, 365-375.	7.0	561
2	The journey of developing hematopoietic stem cells. Development (Cambridge), 2006, 133, 3733-3744.	2.5	448
3	Haematopoietic stem cells retain long-term repopulating activity and multipotency in the absence of stem-cell leukaemia SCL/tal-1 gene. Nature, 2003, 421, 547-551.	27.8	344
4	Expression of CD41 marks the initiation of definitive hematopoiesis in the mouse embryo. Blood, 2003, 101, 508-516.	1.4	328
5	The Emergence of Hematopoietic Stem Cells IsÂInitiated in the Placental Vasculature in the Absence of Circulation. Cell Stem Cell, 2008, 2, 252-263.	11.1	282
6	The hematopoietic stem cell and its niche: a comparative view. Genes and Development, 2007, 21, 3044-3060.	5.9	191
7	Differentiation of human embryonic stem cells to HOXA+ hemogenic vasculature that resembles the aorta-gonad-mesonephros. Nature Biotechnology, 2016, 34, 1168-1179.	17.5	150
8	Scl Represses Cardiomyogenesis in Prospective Hemogenic Endothelium and Endocardium. Cell, 2012, 150, 590-605.	28.9	142
9	Haemogenic endocardium contributes to transient definitive haematopoiesis. Nature Communications, 2013, 4, 1564.	12.8	119
10	The Histone Methyltransferase Activity of MLL1 Is Dispensable for Hematopoiesis and Leukemogenesis. Cell Reports, 2014, 7, 1239-1247.	6.4	110
11	Analysis of cardiomyocyte clonal expansion during mouse heart development and injury. Nature Communications, 2018, 9, 754.	12.8	94
12	MLLT3 governs human haematopoietic stem-cell self-renewal and engraftment. Nature, 2019, 576, 281-286.	27.8	94
13	Tie2Cre-mediated gene ablation defines the stem-cell leukemia gene (SCL/tal1)â€"dependent window during hematopoietic stem-cell development. Blood, 2005, 105, 3871-3874.	1.4	93
14	Mapping human haematopoietic stem cells from haemogenic endothelium to birth. Nature, 2022, 604, 534-540.	27.8	88
15	The first trimester human placenta is a site for terminal maturation of primitive erythroid cells. Blood, 2010, 116, 3321-3330.	1.4	87
16	Medial HOXA genes demarcate haematopoietic stem cell fate during human development. Nature Cell Biology, 2016, 18, 595-606.	10.3	81
17	InÂVivo Mapping of Notch Pathway Activity in Normal and Stress Hematopoiesis. Cell Stem Cell, 2013, 13, 190-204.	11.1	80
18	GLI2 inhibition abrogates human leukemia stem cell dormancy. Journal of Translational Medicine, 2015, 13, 98.	4.4	80

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19	Hepatic Leukemia Factor Maintains Quiescence of Hematopoietic Stem Cells and Protects the Stem Cell Pool during Regeneration. Cell Reports, 2017, 21, 3514-3523.	6.4	72
20	Progesterone Receptor in the Vascular Endothelium Triggers Physiological Uterine Permeability Preimplantation. Cell, 2014, 156, 549-562.	28.9	62
21	LYVE1 Marks the Divergence of Yolk Sac Definitive Hemogenic Endothelium from the Primitive Erythroid Lineage. Cell Reports, 2016, 17, 2286-2298.	6.4	57
22	Genetic Regulation of Fibroblast Activation and Proliferation in Cardiac Fibrosis. Circulation, 2018, 138, 1224-1235.	1.6	56
23	Mef2C is a lineage-restricted target of Scl/Tal1 and regulates megakaryopoiesis and B-cell homeostasis. Blood, 2009, 113, 3461-3471.	1.4	51
24	Trophoblasts Regulate the Placental Hematopoietic Niche through PDGF-B Signaling. Developmental Cell, 2012, 22, 651-659.	7.0	47
25	Transcriptional Activators, Repressors, and Epigenetic Modifiers Controlling Hematopoietic Stem Cell Development. Pediatric Research, 2006, 59, 33R-39R.	2.3	38
26	VEGF-C protects the integrity of the bone marrow perivascular niche in mice. Blood, 2020, 136, 1871-1883.	1.4	38
27	Critical requirement of VEGF-C in transition to fetal erythropoiesis. Blood, 2016, 128, 710-720.	1.4	33
28	Expansion on Stromal Cells Preserves the Undifferentiated State of Human Hematopoietic Stem Cells Despite Compromised Reconstitution Ability. PLoS ONE, 2013, 8, e53912.	2.5	28
29	Placenta as a newly identified source of hematopoietic stem cells. Current Opinion in Hematology, 2010, 17, 313-318.	2.5	25
30	MEF2C protects bone marrow B-lymphoid progenitors during stress haematopoiesis. Nature Communications, 2016, 7, 12376.	12.8	24
31	Isolation and Visualization of Mouse Placental Hematopoietic Stem Cells. Current Protocols in Stem Cell Biology, 2008, 6, Unit 2A.8.1-2A.8.14.	3.0	8
32	Protagonist or antagonist? The complex roles of retinoids in the regulation of hematopoietic stem cells and their specification from pluripotent stem cells. Experimental Hematology, 2018, 65, 1-16.	0.4	7
33	Return to youth with Sox17: Figure 1.. Genes and Development, 2011, 25, 1557-1562.	5.9	6
34	Mef2C Maintains B Cell Homeostasis Through the Regulation of DNA Repair Machinery. Blood, 2012, 120, 278-278.	1.4	3
35	Decoding Human Hematopoietic Stem Cell Self-Renewal. Current Stem Cell Reports, 2022, 8, 93-106.	1.6	3
36	ESAM: adding to the hematopoietic toolbox. Blood, 2009, 113, 2871-2872.	1.4	2

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37	Tracking HSC Origin: From Bench to Placenta. Developmental Cell, 2016, 36, 479-480.	7.0	1
38	Knockdown of ABCme Impairs Heme Biosynthesis as Revealed by Integrating of RNAi and the LiveCellÂ® Array.. Blood, 2005, 106, 3732-3732.	1.4	0
39	Yolk sac steps up to the plate. Journal of Experimental Medicine, 2022, 219, .	8.5	0