

Hanna K A Mikkola

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

3,100
citations

24
h-index

43
g-index

43
ext. papers

3,561
ext. citations

14.6
avg, IF

4.78
L-index

#	Paper	IF	Citations
39	The placenta is a niche for hematopoietic stem cells. <i>Developmental Cell</i> , 2005 , 8, 365-75	10.2	493
38	The journey of developing hematopoietic stem cells. <i>Development (Cambridge)</i> , 2006 , 133, 3733-44	6.6	376
37	Haematopoietic stem cells retain long-term repopulating activity and multipotency in the absence of stem-cell leukaemia SCL/tal-1 gene. <i>Nature</i> , 2003 , 421, 547-51	50.4	309
36	Expression of CD41 marks the initiation of definitive hematopoiesis in the mouse embryo. <i>Blood</i> , 2003 , 101, 508-16	2.2	301
35	The emergence of hematopoietic stem cells is initiated in the placental vasculature in the absence of circulation. <i>Cell Stem Cell</i> , 2008 , 2, 252-63	18	241
34	The hematopoietic stem cell and its niche: a comparative view. <i>Genes and Development</i> , 2007 , 21, 3044-60	2.6	163
33	Scl represses cardiomyogenesis in prospective hemogenic endothelium and endocardium. <i>Cell</i> , 2012 , 150, 590-605	56.2	121
32	Differentiation of human embryonic stem cells to HOXA hemogenic vasculature that resembles the aorta-gonad-mesonephros. <i>Nature Biotechnology</i> , 2016 , 34, 1168-1179	44.5	96
31	Haemogenic endocardium contributes to transient definitive haematopoiesis. <i>Nature Communications</i> , 2013 , 4, 1564	17.4	94
30	The histone methyltransferase activity of MLL1 is dispensable for hematopoiesis and leukemogenesis. <i>Cell Reports</i> , 2014 , 7, 1239-47	10.6	91
29	Tie2Cre-mediated gene ablation defines the stem-cell leukemia gene (SCL/tal1)-dependent window during hematopoietic stem-cell development. <i>Blood</i> , 2005 , 105, 3871-4	2.2	86
28	In vivo mapping of notch pathway activity in normal and stress hematopoiesis. <i>Cell Stem Cell</i> , 2013 , 13, 190-204	18	67
27	GLI2 inhibition abrogates human leukemia stem cell dormancy. <i>Journal of Translational Medicine</i> , 2015 , 13, 98	8.5	66
26	The first trimester human placenta is a site for terminal maturation of primitive erythroid cells. <i>Blood</i> , 2010 , 116, 3321-30	2.2	66
25	Analysis of cardiomyocyte clonal expansion during mouse heart development and injury. <i>Nature Communications</i> , 2018 , 9, 754	17.4	65
24	Medial HOXA genes demarcate haematopoietic stem cell fate during human development. <i>Nature Cell Biology</i> , 2016 , 18, 595-606	23.4	50
23	Progesterone receptor in the vascular endothelium triggers physiological uterine permeability preimplantation. <i>Cell</i> , 2014 , 156, 549-62	56.2	49

22	Hepatic Leukemia Factor Maintains Quiescence of Hematopoietic Stem Cells and Protects the Stem Cell Pool during Regeneration. <i>Cell Reports</i> , 2017 , 21, 3514-3523	10.6	40
21	Mef2C is a lineage-restricted target of Scl/Tal1 and regulates megakaryopoiesis and B-cell homeostasis. <i>Blood</i> , 2009 , 113, 3461-71	2.2	40
20	Trophoblasts regulate the placental hematopoietic niche through PDGF-B signaling. <i>Developmental Cell</i> , 2012 , 22, 651-9	10.2	39
19	MLLT3 governs human haematopoietic stem-cell self-renewal and engraftment. <i>Nature</i> , 2019 , 576, 281-284	5.4	38
18	Transcriptional activators, repressors, and epigenetic modifiers controlling hematopoietic stem cell development. <i>Pediatric Research</i> , 2006 , 59, 33R-9R	3.2	33
17	LYVE1 Marks the Divergence of Yolk Sac Definitive Hemogenic Endothelium from the Primitive Erythroid Lineage. <i>Cell Reports</i> , 2016 , 17, 2286-2298	10.6	31
16	Genetic Regulation of Fibroblast Activation and Proliferation in Cardiac Fibrosis. <i>Circulation</i> , 2018 , 138, 1224-1235	16.7	28
15	Expansion on stromal cells preserves the undifferentiated state of human hematopoietic stem cells despite compromised reconstitution ability. <i>PLoS ONE</i> , 2013 , 8, e53912	3.7	22
14	Placenta as a newly identified source of hematopoietic stem cells. <i>Current Opinion in Hematology</i> , 2010 , 17, 313-8	3.3	22
13	Critical requirement of VEGF-C in transition to fetal erythropoiesis. <i>Blood</i> , 2016 , 128, 710-20	2.2	21
12	VEGF-C protects the integrity of the bone marrow perivascular niche in mice. <i>Blood</i> , 2020 , 136, 1871-1882	3.2	14
11	MEF2C protects bone marrow B-lymphoid progenitors during stress haematopoiesis. <i>Nature Communications</i> , 2016 , 7, 12376	17.4	12
10	Isolation and visualization of mouse placental hematopoietic stem cells. <i>Current Protocols in Stem Cell Biology</i> , 2008 , Chapter 2, Unit 2A.8.1-2A.8.14	2.8	8
9	Protagonist or antagonist? The complex roles of retinoids in the regulation of hematopoietic stem cells and their specification from pluripotent stem cells. <i>Experimental Hematology</i> , 2018 , 65, 1-16	3.1	6
8	Return to youth with Sox17. <i>Genes and Development</i> , 2011 , 25, 1557-62	12.6	5
7	Mapping human haematopoietic stem cells from haemogenic endothelium to birth.. <i>Nature</i> , 2022 ,	50.4	4
6	Tracking HSC Origin: From Bench to Placenta. <i>Developmental Cell</i> , 2016 , 36, 479-80	10.2	1
5	ESAM: adding to the hematopoietic toolbox. <i>Blood</i> , 2009 , 113, 2871-2	2.2	1

- 4 Mef2C Maintains B Cell Homeostasis Through the Regulation of DNA Repair Machinery. *Blood*, **2012**, 120, 278-278 2.2 1
- 3 Hematopoietic Stem Cell Development in The Placenta **2013**, 37-52
- 2 Hematopoietic Stem Cell Development in the Placenta **2010**, 189-201
- 1 Knockdown of ABCme Impairs Heme Biosynthesis as Revealed by Integrating of RNAi and the LiveCell[®] Array.. *Blood*, **2005**, 106, 3732-3732 2.2