Kathleen E Mcgrath

List of Publications by Year
in descending order

58 papers	2,293 citations	394286 19 h-index	302012 39 g-index
58 all docs	58 docs citations	58 times ranked	2966 citing authors

#	Article	IF	Citations
1	Circulating primitive murine erythroblasts undergo complex proteomic and metabolomic changes during terminal maturation. Blood Advances, 2022, 6, 3072-3089.	2.5	6
2	Modeling human yolk sac hematopoiesis with pluripotent stem cells. Journal of Experimental Medicine, 2022, 219, .	4.2	25
3	Lung megakaryocytes are immune modulatory cells. Journal of Clinical Investigation, 2021, 131, .	3.9	96
4	Î²2M Signals Monocytes Through Non-Canonical TGFÎ² Receptor Signal Transduction. Circulation Research, 2021, 128, 655-669.	2.0	9
5	Mds1, an inducible Cre allele specific to adult-repopulating hematopoietic stem cells. Cell Reports, 2021, 36, 109562.	2.9	7
6	<i>Mds1 CreERT2</i>-Based Lineage-Tracing Reveals Increasing Contributions of HSCs to Fetal Hematopoiesis and to Adult Tissue-Resident Macrophages in the Marrow. Blood, 2021, 138, 2153-2153.	0.6	2
7	Circulating Primitive Erythroblasts in the Murine Embryo Undergo Complex Proteomic and Metabolomic Changes during Terminal Maturation. Blood, 2021, 138, 851-851.	0.6	0
8	Adult, but Not Neonatal, Platelet Transfusions Drive a Monocyte Trafficking Phenotype in Vitro and In Vivo. Blood, 2021, 138, 2144-2144.	0.6	1
9	Potently Cytotoxic Natural Killer Cells Initially Emerge from Erythro-Myeloid Progenitors during Mammalian Development. Developmental Cell, 2020, 53, 229-239.e7.	3.1	63
10	Lin28b regulates age-dependent differences in murine platelet function. Blood Advances, 2019, 3, 72-82.	2.5	22
11	Platelet-derived Î²2M regulates monocyte inflammatory responses. JCI Insight, 2019, 4, .	2.3	27
12	Potently Cytotoxic Natural Killer Cell Potential Initially Emerges from Erythro-Myeloid Progenitors during Mammalian Development. Blood, 2019, 134, 2464-2464.	0.6	0
13	Megakaryopoiesis and Platelet-Innate Immune Cell Interactions Are Developmentally Regulated. Blood, 2019, 134, 2470-2470.	0.6	0
14	Analysis of Erythropoiesis Using Imaging Flow Cytometry. Methods in Molecular Biology, 2018, 1698, 175-192.	0.4	7
15	EVI1 overexpression reprograms hematopoiesis via upregulation of Spi1 transcription. Nature Communications, 2018, 9, 4239.	5.8	39
16	Kit ligand has a critical role in mouse yolk sac and aortaâ€“gonadâ€“mesonephros hematopoiesis. EMBO Reports, 2018, 19, .	2.0	35
17	Ontogeny As a Critical Determinant of Natural Killer Cell Potential and Function. Blood, 2018, 132, 1271-1271.	0.6	0
18	Definitive EMP and Pre-HSC Emerge in Myb-Null Murine Embryos and Retain Macrophage Potential. Blood, 2018, 132, 2556-2556.	0.6	1

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19	Circulating primitive erythroblasts establish a functional, protein 4.1R-dependent cytoskeletal network prior to enucleating. Scientific Reports, 2017, 7, 5164.	1.6	13
20	EKLF/KLF1-regulated cell cycle exit is essential for erythroblast enucleation. Blood, 2016, 128, 1631-1641.	0.6	64
21	Definitive Hematopoiesis in the Yolk Sac Emerges from Wnt-Responsive Hemogenic Endothelium Independently of Circulation and Arterial Identity. Stem Cells, 2016, 34, 431-444.	1.4	141
22	Imaging Flow Cytometric Analysis of Primary Bone Marrow Megakaryocytes. Methods in Molecular Biology, 2016, 1389, 265-277.	0.4	2
23	Stat5 and Stat3 Differentially Regulate Early and Late Stages of Primary Embryonic Erythroid Cell Maturation. Blood, 2016, 128, 3877-3877.	0.6	0
24	Early hematopoiesis and macrophage development. Seminars in Immunology, 2015, 27, 379-387.	2.7	124
25	Bmi-1 Regulates Extensive Erythroid Self-Renewal. Stem Cell Reports, 2015, 4, 995-1003.	2.3	19
26	Distinct Sources of Hematopoietic Progenitors Emerge before HSCs and Provide Functional Blood Cells in the Mammalian Embryo. Cell Reports, 2015, 11, 1892-1904.	2.9	317
27	Utilization of imaging flow cytometry to define intermediates of megakaryopoiesis in vivo and in vitro. Journal of Immunological Methods, 2015, 423, 45-51.	0.6	7
28	A Systems Approach Identifies Essential FOXO3 Functions at Key Steps of Terminal Erythropoiesis. PLoS Genetics, 2015, 11, e1005526.	1.5	55
29	Definitive Erythro-Myeloid Progenitors (EMPs) Emerge in the Myb-/- Embryo and Retain the Capacity to Differentiate into Macrophages. Blood, 2015, 126, 2372-2372.	0.6	0
30	Red cell island dances: switching hands. Blood, 2014, 123, 3847-3848.	0.6	7
31	P-Selectin Expression and Platelet Function Are Developmentally Regulated. Blood, 2014, 124, 1439-1439.	0.6	3
32	EMP Emergence from Hemogenic Endothelium in the Mammalian Yolk Sac Is Independent of Flow and Arterial Identity, but Is Regulated By Canonical Wnt Signaling. Blood, 2014, 124, 768-768.	0.6	1
33	A Systems Approach Identifies Essential FOXO3 Functions in Erythroblast Enucleation Process. Blood, 2014, 124, 445-445.	0.6	6
34	Embryologic Origin of Functional Granulopoiesis. Blood, 2014, 124, 228-228.	0.6	0
35	Temporal-Spatial Mapping Of Hematopoietic Progenitors In The Embryo Reveals a Differentially Regulated Program Of Endothelial-To-Hematopoietic Transition In The Yolk Sac. Blood, 2013, 122, 1178-1178.	0.6	2
36	Spatial and Temporal Fluctuations In Marrow SDF-1 Following Radiation Injury Regulate Megakaryocyte-Vascular Niche Interactions and Circulating Platelet Levels. Blood, 2013, 122, 568-568.	0.6	1

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37	Erythroid Lineage Cells Are Found In Close Association With Bone In The Marrow Microenvironment. Blood, 2013, 122, 945-945.	0.6	0
38	SDF-1 Acutely Promotes the Physical Association of Megakaryocytes with Vascular Endothelium in the Bone Marrow and Increases the Number of Circulating Platelets.. Blood, 2012, 120, 2306-2306.	0.6	0
39	Megakaryopoiesis in the Mammalian Embryo Is Distinguished From the Adult by Rapid Maturation At Low Ploidy and Generates Platelets with Altered Morphology and Function.. Blood, 2012, 120, 2305-2305.	0.6	0
40	A transient definitive erythroid lineage with unique regulation of the Î²-globin locus in the mammalian embryo. Blood, 2011, 117, 4600-4608.	0.6	131
41	Definitive Erythro-Myeloid Progenitors (EMP) Emerge in the Yolk Sac From Hemogenic Endothelium and Share Transcriptional Regulators with Adult Hematopoiesis. Blood, 2011, 118, 910-910.	0.6	0
42	EPO-Dependent Recovery of Late-Stage Erythroid Progenitors in the Marrow Precedes Splenic Expansion: Insights From a Sublethal Radiation Model. Blood, 2011, 118, 180-180.	0.6	6
43	Definitive Hematopoiesis In the Mammalian Embryo Prior to HSC Formation.. Blood, 2010, 116, 1599-1599.	0.6	0
44	Erythropoietin Induction by Anemia Is Required for CFU-E Expansion During Erythroid Recovery From Sublethal Radiation Injury. Blood, 2010, 116, 3218-3218.	0.6	0
45	â€œDefinitiveâ€•Erythropoiesis Has Distinct Developmental Origins and Globin Expression Patterns in the Mammalian Embryo.. Blood, 2009, 114, 2539-2539.	0.6	0
46	Multispectral imaging of hematopoietic cells: Where flow meets morphology. Journal of Immunological Methods, 2008, 336, 91-97.	0.6	120
47	Chapter 1 Ontogeny of Erythropoiesis in the Mammalian Embryo. Current Topics in Developmental Biology, 2008, 82, 1-22.	1.0	96
48	Enucleation of primitive erythroid cells generates a transient population of â€œpyrenocytesâ€•in the mammalian fetus. Blood, 2008, 111, 2409-2417.	0.6	112
49	The megakaryocyte lineage originates from hemangioblast precursors and is an integral component both of primitive and of definitive hematopoiesis. Blood, 2007, 109, 1433-1441.	0.6	259
50	Enucleation of Primitive Erythroid Cells Generates a Transient Population of â€œPyrenocytesâ€•in the Mammalian Fetus.. Blood, 2007, 110, 425-425.	0.6	0
51	Response of the Erythroid Lineage to Irradiation.. Blood, 2007, 110, 3660-3660.	0.6	0
52	Diverse Myeloid Lineage Potential Arises in the Yolk Sac of the Mammalian Embryo.. Blood, 2006, 108, 1666-1666.	0.6	0
53	Hematopoiesis in the yolk sac: more than meets the eye. Experimental Hematology, 2005, 33, 1021-1028.	0.2	144
54	Circulation Plays an Essential Role in Distributing Mammalian Yolk Sac Definitive Hematopoietic Progenitor Cells to the Embryo Proper; Using the Ncx1 Knockout Mouse Model To Prevent Circulation.. Blood, 2005, 106, 517-517.	0.6	3

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55	â€œMaturationalâ€•Globin Switching in Primary Primitive Erythroid Cells.. Blood, 2005, 106, 3634-3634.	0.6	0
56	Circulation is established in a stepwise pattern in the mammalian embryo. Blood, 2003, 101, 1669-1675.	0.6	249
57	Subtractive hybridization reveals tissue-specific expression of ahnak during embryonic development. Development Growth and Differentiation, 2001, 43, 133-143.	0.6	25
58	Expression of homeobox genes, including an insulin promoting factor, in the murine yolk sac at the time of hematopoietic initiation. Molecular Reproduction and Development, 1997, 48, 145-153.	1.0	46