Jason M Butler

List of Publications by Year
in descending order

54 papers	7,158 citations	185998 28 h-index	243296 44 g-index
79 all docs	79 docs citations	79 times ranked	9398 citing authors

#	Article	IF	Citations
1	Engineering a niche supporting hematopoietic stem cell development using integrated single-cell transcriptomics. Nature Communications, 2022, 13, 1584.	5.8	23
2	Vascular Regulation of Hematopoietic Stem Cell Homeostasis, Regeneration, and Aging. Current Stem Cell Reports, 2021, 7, 194-203.	0.7	9
3	Endothelial mTOR maintains hematopoiesis during aging. Journal of Experimental Medicine, 2020, 217, .	4.2	18
4	Inhibition of Oxidative Phosphorylation Reverses Bone Marrow Hypoxia Visualized in Imageable Syngeneic B-ALL Mouse Model. Frontiers in Oncology, 2020, 10, 991.	1.3	11
5	Chronic activation of endothelial MAPK disrupts hematopoiesis via NFKB dependent inflammatory stress reversible by SCGF. Nature Communications, 2020, 11, 666.	5.8	44
6	Blood making: learning what to put into the dish. F1000Research, 2020, 9, 38.	0.8	6
7	The bone marrow microenvironment at single-cell resolution. Nature, 2019, 569, 222-228.	13.7	624
8	The Chromatin Remodeler BPTF Activates a Stemness Gene-Expression Program Essential for the Maintenance of Adult Hematopoietic Stem Cells. Stem Cell Reports, 2018, 10, 675-683.	2.3	26
9	Production of BMP4 by endothelial cells is crucial for endogenous thymic regeneration. Science Immunology, 2018, 3, .	5.6	93
10	The Instructive Role of the Bone Marrow Niche in Aging and Leukemia. Current Stem Cell Reports, 2018, 4, 291-298.	0.7	18
11	Derivation and characterization of a UCP1 reporter human ES cell line. Stem Cell Research, 2018, 30, 12-21.	0.3	5
12	Inhibition of Endothelial mTOR Drives Hematopoietic Stem Cell Aging. Blood, 2018, 132, 1289-1289.	0.6	0
13	Endothelial MAPK Activation Disrupts Hematopoiesis By Depleting Plasma SCGF. Blood, 2018, 132, 1290-1290.	0.6	0
14	Aging of the Vascular Niche Enhances Leukemia-Initiating Cell Metabolic Switch. Blood, 2018, 132, 871-871.	0.6	0
15	Regulation of the hematopoietic stem cell lifecycle by the endothelial niche. Current Opinion in Hematology, 2017, 24, 289-299.	1.2	33
16	A Common Origin for B-1a and B-2 Lymphocytes in Clonal Pre- Hematopoietic Stem Cells. Stem Cell Reports, 2017, 8, 1563-1572.	2.3	41
17	Conversion of adult endothelium to immunocompetent haematopoietic stem cells. Nature, 2017, 545, 439-445.	13.7	191
18	Altered feto-placental vascularization, feto-placental malperfusion, and fetal growth restriction in mice with Egfl7 loss-of-function. Development (Cambridge), 2017, 144, 2469-2479.	1.2	26

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19	Endothelial Cells Promote Expansion of Long-Term Engrafting Marrow Hematopoietic Stem and Progenitor Cells in Primates. Stem Cells Translational Medicine, 2017, 6, 864-876.	1.6	28
20	Endothelial jagged-2 sustains hematopoietic stem and progenitor reconstitution after myelosuppression. Journal of Clinical Investigation, 2017, 127, 4242-4256.	3.9	63
21	Endothelial transplantation rejuvenates aged hematopoietic stem cell function. Journal of Clinical Investigation, 2017, 127, 4163-4178.	3.9	109
22	Mechanisms Governing Endogenous Thymic Regeneration. Blood, 2017, 130, 66-66.	0.6	0
23	Endothelial-specific inhibition of NF-Î²B enhances functional haematopoiesis. Nature Communications, 2016, 7, 13829.	5.8	40
24	Distinct bone marrow blood vessels differentially regulate haematopoiesis. Nature, 2016, 532, 323-328.	13.7	553
25	Spleen hypoplasia leads to abnormal stress hematopoiesis in mice with loss of Pbx homeoproteins in splenic mesenchyme. Journal of Anatomy, 2016, 229, 153-169.	0.9	8
26	Angiocrine functions of organ-specific endothelial cells. Nature, 2016, 529, 316-325.	13.7	717
27	Direct Conversion of Adult Endothelial Cells into Immunecompetent Long-Term Engraftable Clinically Scalable Hematopoietic Stem Cells: Pathway to Therapeutic Translation. Blood, 2016, 128, 372-372.	0.6	1
28	Vascular niche promotes hematopoietic multipotent progenitor formation from pluripotent stem cells. Journal of Clinical Investigation, 2015, 125, 1243-1254.	3.9	96
29	Endothelium and NOTCH specify and amplify aorta-gonad-mesonephrosâ€“derived hematopoietic stem cells. Journal of Clinical Investigation, 2015, 125, 2032-2045.	3.9	74
30	Vascular Platform to Define Hematopoietic Stem Cell Factors and Enhance Regenerative Hematopoiesis. Stem Cell Reports, 2015, 5, 881-894.	2.3	43
31	Distinct Bone Marrow Blood Vessels Differentially Regulate Normal and Malignant Hematopoietic Stem and Progenitor Cells. Blood, 2015, 126, 664-664.	0.6	1
32	Vascular Niche-Derived Angiocrine Factors Specify and Maintain Hematopoietic Stem Cells. Blood, 2015, 126, SCI-25-SCI-25.	0.6	1
33	Rejuvenation of Aged Vascular Niches to Enhance Hematopoietic Function. Blood, 2015, 126, 781-781.	0.6	0
34	Production of BMP4 By Endothelial Cells Is Crucial for Endogenous Thymic Regeneration. Blood, 2015, 126, 637-637.	0.6	0
35	Angiocrine Factors Deployed by Tumor Vascular Niche Induce B Cell Lymphoma Invasiveness and Chemoresistance. Cancer Cell, 2014, 25, 350-365.	7.7	203
36	Activation of the vascular niche supports leukemic progression and resistance to chemotherapy. Experimental Hematology, 2014, 42, 976-986.e3.	0.2	47

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37	Inducible Nitric Oxide Synthase in Neutrophils and Endothelium Contributes to Ischemic Brain Injury in Mice. Journal of Immunology, 2014, 193, 2531-2537.	0.4	112
38	Reprogramming human endothelial cells to haematopoietic cells requires vascular induction. Nature, 2014, 511, 312-318.	13.7	211
39	Notch Signaling By Either Notch1 or Notch2 Mediates Expansion of AGM-Derived Long-Term HSC Populations in Vitro. Blood, 2014, 124, 2897-2897.	0.6	0
40	NF-Kb Inhibition in Endothelial Cells Enhances the Self-Renewal and Regeneration of the Hematopoietic System. Blood, 2014, 124, 353-353.	0.6	0
41	Endothelial Cells Promote Endogenous Thymic Regeneration after Injury Via BMP4 Signaling. Blood, 2014, 124, 2429-2429.	0.6	0
42	Molecular Signatures of Tissue-Specific Microvascular Endothelial Cell Heterogeneity in Organ Maintenance and Regeneration. Developmental Cell, 2013, 26, 204-219.	3.1	548
43	Endothelial Jagged-1 Is Necessary for Homeostatic and Regenerative Hematopoiesis. Cell Reports, 2013, 4, 1022-1034.	2.9	224
44	Human ESC-derived hemogenic endothelial cells undergo distinct waves of endothelial to hematopoietic transition. Blood, 2013, 121, 770-780.	0.6	78
45	In Vivo Selection and Long-Term Engraftment Of Hematopoietic Stem Cells Generated Via Vascular Niche Induction Of Nonhuman Primate Induced Pluripotent Stem Cells. Blood, 2013, 122, 466-466.	0.6	1
46	AGM-Derived Endothelial Cells and Notch Ligands Provide Embryonic Hematopoietic Stem Cell-Supportive Niches In Vitro. Blood, 2013, 122, 1167-1167.	0.6	0
47	Development of a vascular niche platform for expansion of repopulating human cord blood stem and progenitor cells. Blood, 2012, 120, 1344-1347.	0.6	90
48	Inductive angiocrine signals from sinusoidal endothelium are required for liver regeneration. Nature, 2010, 468, 310-315.	13.7	686
49	Angiocrine factors from Akt-activated endothelial cells balance self-renewal and differentiation of haematopoietic stem cells. Nature Cell Biology, 2010, 12, 1046-1056.	4.6	343
50	Instructive role of the vascular niche in promoting tumour growth and tissue repair by angiocrine factors. Nature Reviews Cancer, 2010, 10, 138-146.	12.8	511
51	Endothelial Cells Are Essential for the Self-Renewal and Repopulation of Notch-Dependent Hematopoietic Stem Cells. Cell Stem Cell, 2010, 6, 251-264.	5.2	582
52	Hematopoietic Support by Endothelium. Blood, 2010, 116, SCI-45-SCI-45.	0.6	0
53	Engraftment and Reconstitution of Hematopoiesis Is Dependent on VEGFR2-Mediated Regeneration of Sinusoidal Endothelial Cells. Cell Stem Cell, 2009, 4, 263-274.	5.2	548
54	The Role of the Donor in the Repair of the Marrow Vascular Niche Following Hematopoietic Stem Cell Transplant. Stem Cells, 2007, 25, 2945-2955.	1.4	60