Paul S Frenette

List of Publications by Year
in descending order

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242 papers	37,648 citations	4146 87 h-index	3034 188 g-index
256 all docs	256 docs citations	256 times ranked	38490 citing authors

#	Article	IF	Citations
1	Mesenchymal and haematopoietic stem cells form a unique bone marrow niche. Nature, 2010, 466, 829-834.	27.8	2,935
2	Tissue-Resident Macrophages Self-Maintain Locally throughout Adult Life with Minimal Contribution from Circulating Monocytes. Immunity, 2013, 38, 792-804.	14.3	1,767
3	Signals from the Sympathetic Nervous System Regulate Hematopoietic Stem Cell Egress from Bone Marrow. Cell, 2006, 124, 407-421.	28.9	1,211
4	Haematopoietic stem cell release is regulated by circadian oscillations. Nature, 2008, 452, 442-447.	27.8	1,103
5	The meaning, the sense and the significance: translating the science of mesenchymal stem cells into medicine. Nature Medicine, 2013, 19, 35-42.	30.7	1,032
6	Arteriolar niches maintain haematopoietic stem cell quiescence. Nature, 2013, 502, 637-643.	27.8	1,002
7	Autonomic Nerve Development Contributes to Prostate Cancer Progression. Science, 2013, 341, 1236361.	12.6	851
8	Circadian control of the immune system. Nature Reviews Immunology, 2013, 13, 190-198.	22.7	782
9	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	2.9	766
10	Bone marrow CD169+ macrophages promote the retention of hematopoietic stem and progenitor cells in the mesenchymal stem cell niche. Journal of Experimental Medicine, 2011, 208, 261-271.	8.5	732
11	Deciphering the transcriptional network of the dendritic cell lineage. Nature Immunology, 2012, 13, 888-899.	14.5	688
12	Hematopoietic stem cell niche maintenance during homeostasis and regeneration. Nature Medicine, 2014, 20, 833-846.	30.7	628
13	Neutrophil ageing is regulated by the microbiome. Nature, 2015, 525, 528-532.	27.8	627
14	The bone marrow microenvironment at single-cell resolution. Nature, 2019, 569, 222-228.	27.8	624
15	Haematopoietic stem cell activity andÂinteractions with the niche. Nature Reviews Molecular Cell Biology, 2019, 20, 303-320.	37.0	588
16	Rhythmic Modulation of the Hematopoietic Niche through Neutrophil Clearance. Cell, 2013, 153, 1025-1035.	28.9	555
17	Targeted disruption of cd39/ATP diphosphohydrolase results in disordered hemostasis and thromboregulation. Nature Medicine, 1999, 5, 1010-1017.	30.7	519
18	Susceptibility to Infection and Altered Hematopoiesis in Mice Deficient in Both P- and E-Selectins. Cell, 1996, 84, 563-574.	28.9	507

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19	Guidelines for the use of flow cytometry and cell sorting in immunological studies[*]. European Journal of Immunology, 2017, 47, 1584-1797.	2.9	505
20	Megakaryocytes regulate hematopoietic stem cell quiescence through CXCL4 secretion. Nature Medicine, 2014, 20, 1315-1320.	30.7	483
21	A mouse model of severe von Willebrand disease: Defects in hemostasis and thrombosis. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9524-9529.	7.1	479
22	Platelets roll on stimulated endothelium in vivo: an interaction mediated by endothelial P-selectin.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 7450-7454.	7.1	437
23	Bone Marrow Mesenchymal Stem and Progenitor Cells Induce Monocyte Emigration in Response to Circulating Toll-like Receptor Ligands. Immunity, 2011, 34, 590-601.	14.3	425
24	PDGFRÎ± and CD51 mark human Nestin+ sphere-forming mesenchymal stem cells capable of hematopoietic progenitor cell expansion. Journal of Experimental Medicine, 2013, 210, 1351-1367.	8.5	425
25	Primary role for adherent leukocytes in sickle cell vascular occlusion: A new paradigm. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3047-3051.	7.1	412
26	Adrenergic Nerves Govern Circadian Leukocyte Recruitment to Tissues. Immunity, 2012, 37, 290-301.	14.3	406
27	Hematopoietic Progenitor Cell Rolling in Bone Marrow Microvessels: Parallel Contributions by Endothelial Selectins and Vascular Cell Adhesion Molecule 1. Journal of Experimental Medicine, 1998, 188, 465-474.	8.5	404
28	B Cell-Driven Lymphangiogenesis in Inflamed Lymph Nodes Enhances Dendritic Cell Mobilization. Immunity, 2006, 24, 203-215.	14.3	395
29	P-Selectin Glycoprotein Ligand 1 (Psgl-1) Is Expressed on Platelets and Can Mediate Plateletâ€“Endothelial Interactions in Vivo. Journal of Experimental Medicine, 2000, 191, 1413-1422.	8.5	388
30	Mesenchymal Stem Cell: Keystone of the Hematopoietic Stem Cell Niche and a Stepping-Stone for Regenerative Medicine. Annual Review of Immunology, 2013, 31, 285-316.	21.8	381
31	CD169+ macrophages provide a niche promoting erythropoiesis under homeostasis and stress. Nature Medicine, 2013, 19, 429-436.	30.7	370
32	The combined role of P- and E-selectins in atherosclerosis.. Journal of Clinical Investigation, 1998, 102, 145-152.	8.2	366
33	GM-CSF Controls Nonlymphoid Tissue Dendritic Cell Homeostasis but Is Dispensable for the Differentiation of Inflammatory Dendritic Cells. Immunity, 2012, 36, 1031-1046.	14.3	365
34	Osterix Marks Distinct Waves of Primitive and Definitive Stromal Progenitors during Bone Marrow Development. Developmental Cell, 2014, 29, 340-349.	7.0	365
35	Endothelial selectins and vascular cell adhesion molecule-1 promote hematopoietic progenitor homing to bone marrow. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14423-14428.	7.1	354
36	Making sense of hematopoietic stem cell niches. Blood, 2015, 125, 2621-2629.	1.4	342

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37	Differential cytokine contributions of perivascular haematopoietic stem cell niches. Nature Cell Biology, 2017, 19, 214-223.	10.3	332
38	Adhesion Molecules. New England Journal of Medicine, 1996, 334, 1526-1529.	27.0	312
39	Acute Myelogenous Leukemia-Induced Sympathetic Neuropathy Promotes Malignancy in an Altered Hematopoietic Stem Cell Niche. Cell Stem Cell, 2014, 15, 365-375.	11.1	308
40	Heterotypic interactions enabled by polarized neutrophil microdomains mediate thromboinflammatory injury. Nature Medicine, 2009, 15, 384-391.	30.7	307
41	Adrenergic nerves activate an angio-metabolic switch in prostate cancer. Science, 2017, 358, 321-326.	12.6	304
42	The vessel wall and its interactions. Blood, 2008, 111, 5271-5281.	1.4	301
43	Niches for Hematopoietic Stem Cells and Their Progeny. Immunity, 2018, 48, 632-648.	14.3	290
44	Neutrophils, platelets, and inflammatory pathways at the nexus of sickle cell disease pathophysiology. Blood, 2016, 127, 801-809.	1.4	288
45	Vaso-occlusion in sickle cell disease: pathophysiology and novel targeted therapies. Blood, 2013, 122, 3892-3898.	1.4	281
46	Heme-induced neutrophil extracellular traps contribute to the pathogenesis of sickle cell disease. Blood, 2014, 123, 3818-3827.	1.4	281
47	Sickle cell disease: old discoveries, new concepts, and future promise. Journal of Clinical Investigation, 2007, 117, 850-858.	8.2	279
48	Adhesion Molecules â€" Blood Vessels and Blood Cells. New England Journal of Medicine, 1996, 335, 43-45.	27.0	265
49	Complete Identification of E-Selectin Ligands on Neutrophils Reveals Distinct Functions of PSGL-1, ESL-1, and CD44. Immunity, 2007, 26, 477-489.	14.3	264
50	Diabetes Impairs Hematopoietic Stem Cell Mobilization by Altering Niche Function. Science Translational Medicine, 2011, 3, 104ra101.	12.4	254
51	Dietary Intake Regulates the Circulating Inflammatory Monocyte Pool. Cell, 2019, 178, 1102-1114.e17.	28.9	254
52	Adrenergic nerve degeneration in bone marrow drives aging of the hematopoietic stem cell niche. Nature Medicine, 2018, 24, 782-791.	30.7	253
53	Self-renewal of a purified Tie2 ⁺ hematopoietic stem cell population relies on mitochondrial clearance. Science, 2016, 354, 1156-1160.	12.6	251
54	Niche heterogeneity in the bone marrow. Annals of the New York Academy of Sciences, 2016, 1370, 82-96.	3.8	235

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55	Chemotherapy-induced bone marrow nerve injury impairs hematopoietic regeneration. Nature Medicine, 2013, 19, 695-703.	30.7	232
56	Nerves in cancer. Nature Reviews Cancer, 2020, 20, 143-157.	28.4	229
57	Endothelial Jagged-1 Is Necessary for Homeostatic and Regenerative Hematopoiesis. Cell Reports, 2013, 4, 1022-1034.	6.4	224
58	Sickle cell vaso-occlusion: multistep and multicellular paradigm. Current Opinion in Hematology, 2002, 9, 101-106.	2.5	213
59	Mobilized Hematopoietic Stem Cell Yield Depends on Species-Specific Circadian Timing. Cell Stem Cell, 2008, 3, 364-366.	11.1	207
60	GMI-1070, a novel pan-selectin antagonist, reverses acute vascular occlusions in sickle cell mice. Blood, 2010, 116, 1779-1786.	1.4	205
61	Fetal liver hematopoietic stem cell niches associate with portal vessels. Science, 2016, 351, 176-180.	12.6	193
62	CD150high Bone Marrow Tregs Maintain Hematopoietic Stem Cell Quiescence and Immune Privilege via Adenosine. Cell Stem Cell, 2018, 22, 445-453.e5.	11.1	188
63	Multiple, targeted deficiencies in selectins reveal a predominant role for P-selectin in leukocyte recruitment. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 11452-11457.	7.1	186
64	Platelet-Endothelial Interactions in Inflamed Mesenteric Venules. Blood, 1998, 91, 1318-1324.	1.4	185
65	Neural Regulation of Hematopoiesis, Inflammation, and Cancer. Neuron, 2015, 86, 360-373.	8.1	184
66	Roadmap for the Emerging Field of Cancer Neuroscience. Cell, 2020, 181, 219-222.	28.9	182
67	Rapid mobilization of hematopoietic progenitors by AMD3100 and catecholamines is mediated by CXCR4-dependent SDF-1 release from bone marrow stromal cells. Leukemia, 2011, 25, 1286-1296.	7.2	180
68	CD44 is a physiological E-selectin ligand on neutrophils. Journal of Experimental Medicine, 2005, 201, 1183-1189.	8.5	177
69	PSGL-1 participates in E-selectinâ€“mediated progenitor homing to bone marrow: evidence for cooperation between E-selectin ligands and Î±4 integrin. Blood, 2003, 102, 2060-2067.	1.4	170
70	Cooperation of Î²₂â€•and Î²₃â€adrenergic receptors in hematopoietic progenitor cell mobilization. Annals of the New York Academy of Sciences, 2010, 1192, 139-144.	3.8	163
71	Vasculature-Associated Cells Expressing Nestin in Developing Bones Encompass Early Cells in the Osteoblast and Endothelial Lineage. Developmental Cell, 2014, 29, 330-339.	7.0	160
72	The hematopoietic stem cell niche: from embryo to adult. Development (Cambridge), 2018, 145, .	2.5	155

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73	Lineage-Biased Hematopoietic Stem Cells Are Regulated by Distinct Niches. Developmental Cell, 2018, 44, 634-641.e4.	7.0	154
74	Pretransplant CSF-1 therapy expands recipient macrophages and ameliorates GVHD after allogeneic hematopoietic cell transplantation. Journal of Experimental Medicine, 2011, 208, 1069-1082.	8.5	145
75	Stem cell factor is selectively secreted by arterial endothelial cells in bone marrow. Nature Communications, 2018, 9, 2449.	12.8	145
76	Identification of a radio-resistant and cycling dermal dendritic cell population in mice and men. Journal of Experimental Medicine, 2006, 203, 2627-2638.	8.5	128
77	Cytokine-induced meningitis is dramatically attenuated in mice deficient in endothelial selectins.. Journal of Clinical Investigation, 1996, 97, 2485-2490.	8.2	127
78	Circadian rhythms influence hematopoietic stem cells. Current Opinion in Hematology, 2009, 16, 235-242.	2.5	114
79	Sulfated glycans induce rapid hematopoietic progenitor cell mobilization: evidence for selectin-dependent and independent mechanisms. Blood, 2000, 96, 2460-2468.	1.4	112
80	Role of P-Selectin Cytoplasmic Domain in Granular Targeting In Vivo and in Early Inflammatory Responses. Journal of Cell Biology, 1998, 143, 1129-1141.	5.2	109
81	Sickle Cell Vaso-Occlusion. Hematology/Oncology Clinics of North America, 2005, 19, 771-784.	2.2	109
82	Complexity of bone marrow hematopoietic stem cell niche. International Journal of Hematology, 2017, 106, 45-54.	1.6	109
83	Functional selectin ligands mediating human CD34+ cell interactions with bone marrow endothelium are enhanced postnatally. Journal of Clinical Investigation, 2002, 110, 559-569.	8.2	106
84	Insights into Selectin Function from Knockout Mice. Thrombosis and Haemostasis, 1997, 78, 060-064.	3.4	105
85	Nociceptive nerves regulate haematopoietic stem cell mobilization. Nature, 2021, 589, 591-596.	27.8	99
86	Insights into leukocyte adhesion deficiency type 2 from a novel mutation in the GDP-fucose transporter gene. Blood, 2003, 101, 1705-1712.	1.4	95
87	Intravenous immunoglobulins reverse acute vaso-occlusive crises in sickle cell mice through rapid inhibition of neutrophil adhesion. Blood, 2008, 111, 915-923.	1.4	88
88	Cross talk between neutrophils and the microbiota. Blood, 2019, 133, 2168-2177.	1.4	87
89	Norepinephrine reuptake inhibition promotes mobilization in mice: potential impact to rescue low stem cell yields. Blood, 2012, 119, 3962-3965.	1.4	86
90	Hydroxyurea and a cGMP-amplifying agent have immediate benefits on acute vaso-occlusive events in sickle cell disease mice. Blood, 2012, 120, 2879-2888.	1.4	86

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91	Sickle Cell Vasoocclusion: Heterotypic, Multicellular Aggregations Driven by Leukocyte Adhesion. Microcirculation, 2004, 11, 167-177.	1.8	83
92	Small RNAs derived from lncRNA RNase MRP have gene-silencing activity relevant to human cartilageâ€“hair hypoplasia. Human Molecular Genetics, 2014, 23, 368-382.	2.9	83
93	Intravenous immune globulin prevents venular vaso-occlusion in sickle cell mice by inhibiting leukocyte adhesion and the interactions between sickle erythrocytes and adherent leukocytes. Blood, 2004, 103, 2397-2400.	1.4	82
94	A Novel Model for Lymphocytic Infiltration of the Thyroid Gland Generated by Transgenic Expression of the CC Chemokine CCL21. Journal of Immunology, 2004, 173, 4791-4798.	0.8	81
95	Imaging receptor microdomains on leukocyte subsets in live mice. Nature Methods, 2007, 4, 219-222.	19.0	79
96	Regulation of leucocyte homeostasis in the circulation. Cardiovascular Research, 2015, 107, 340-351.	3.8	79
97	Granulocyte-derived TNFÎ± promotes vascular and hematopoietic regeneration in the bone marrow. Nature Medicine, 2018, 24, 95-102.	30.7	78
98	The Gut Microbiome Regulates Psychological-Stress-Induced Inflammation. Immunity, 2020, 53, 417-428.e4.	14.3	78
99	Integrin Î±4Î²7 and its counterreceptor MAdCAM-1 contribute to hematopoietic progenitor recruitment into bone marrow following transplantation. Blood, 2004, 104, 2020-2026.	1.4	76
100	Engineering a haematopoietic stem cell niche by revitalizing mesenchymal stromal cells. Nature Cell Biology, 2019, 21, 560-567.	10.3	74
101	An Anillin-Ect2 Complex Stabilizes Central Spindle Microtubules at the Cortex during Cytokinesis. PLoS ONE, 2012, 7, e34888.	2.5	73
102	Activated Neutrophils Are Associated with Pediatric Cerebral Malaria Vasculopathy in Malawian Children. MBio, 2016, 7, e01300-15.	4.1	70
103	Brain motor and fear circuits regulate leukocytes during acute stress. Nature, 2022, 607, 578-584.	27.8	69
104	Hematopoietic Stem Cell Trafficking. Annals of the New York Academy of Sciences, 2007, 1116, 392-413.	3.8	68
105	Cholinergic Signals from the CNS Regulate G-CSF-Mediated HSC Mobilization from Bone Marrow via a Glucocorticoid Signaling Relay. Cell Stem Cell, 2017, 20, 648-658.e4.	11.1	68
106	Bone marrow NG2+/Nestin+ mesenchymal stem cells drive DTC dormancy via TGF-Î²2. Nature Cancer, 2021, 2, 327-339.	13.2	68
107	Overlapping Functions of E- and P-Selectin in Neutrophil Recruitment During Acute Inflammation. Blood, 1998, 92, 2345-2352.	1.4	64
108	Locking a Leukocyte Integrin with Statins. New England Journal of Medicine, 2001, 345, 1419-1421.	27.0	64

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109	Neural Regulation of Bone and Bone Marrow. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a031344.	6.2	63
110	Vaso-occlusion in sickle cell disease: pathophysiology and novel targeted therapies. Hematology American Society of Hematology Education Program, 2013, 2013, 362-369.	2.5	53
111	Enforced fucosylation of neonatal CD34+ cells generates selectin ligands that enhance the initial interactions with microvessels but not homing to bone marrow. Blood, 2005, 105, 567-575.	1.4	52
112	Experimental murine acid aspiration injury is mediated by neutrophils and the alternative complement pathway. Journal of Applied Physiology, 1997, 83, 1090-1095.	2.5	51
113	This Niche Is a Maze; An Amazing Niche. Cell Stem Cell, 2013, 12, 391-392.	11.1	47
114	Functional selectin ligands mediating human CD34+ cell interactions with bone marrow endothelium are enhanced postnatally. Journal of Clinical Investigation, 2002, 110, 559-569.	8.2	45
115	Maea expressed by macrophages, but not erythroblasts, maintains postnatal murine bone marrow erythroblastic islands. Blood, 2019, 133, 1222-1232.	1.4	44
116	Physiological Contribution of CD44 as a Ligand for E-Selectin during Inflammatory T-Cell Recruitment. American Journal of Pathology, 2011, 178, 2437-2446.	3.8	43
117	The integrin Î±MÎ²2 anchors hematopoietic progenitors in the bone marrow during enforced mobilization. Blood, 2004, 104, 993-1001.	1.4	41
118	Alternative CD44 splicing in intestinal stem cells and tumorigenesis. Oncogene, 2014, 33, 537-538.	5.9	41
119	The microbiota regulates hematopoietic stem cell fate decisions by controlling iron availability in bone marrow. Cell Stem Cell, 2022, 29, 232-247.e7.	11.1	41
120	Intravenous Immunoglobulins Modulate Neutrophil Activation and Vascular Injury Through FcÎ³RIII and SHP-1. Circulation Research, 2012, 110, 1057-1066.	4.5	40
121	Niche derived netrin-1 regulates hematopoietic stem cell dormancy via its receptor neogenin-1. Nature Communications, 2021, 12, 608.	12.8	39
122	A novel role for factor VIII and thrombin/PAR1 in regulating hematopoiesis and its interplay with the bone structure. Blood, 2013, 122, 2562-2571.	1.4	38
123	Sickle cell vasoocclusion: heterotypic, multicellular aggregations driven by leukocyte adhesion. Microcirculation, 2004, 11, 167-77.	1.8	38
124	Artery-Associated Sympathetic Innervation Drives Rhythmic Vascular Inflammation of Arteries and Veins. Circulation, 2019, 140, 1100-1114.	1.6	37
125	CXCL1 and its receptor, CXCR2, mediate murine sickle cell vaso-occlusion during hemolytic transfusion reactions. Journal of Clinical Investigation, 2011, 121, 1397-1401.	8.2	37
126	Generation and Characterization of a Novel Adhesion Function Blocking Monoclonal Antibody Recognizing Both Rat and Mouse E-Selectin. Hybridoma, 1997, 16, 355-361.	0.6	36

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127	The secrets of the bone marrow niche: Enigmatic niche brings challenge for HSC expansion. Nature Medicine, 2012, 18, 864-865.	30.7	36
128	The Majority of CD45â€“ÂTer119â€“ÂCD31â€“ Bone Marrow Cell Fraction Is of Hematopoietic Origin and Contains Erythroid and Lymphoid Progenitors. Immunity, 2018, 49, 627-639.e6.	14.3	36
129	Singleâ€dose intravenous gammaglobulin can stabilize neutrophil <scp>M</scp>acâ€1 activation in sickle cell pain crisis. American Journal of Hematology, 2015, 90, 381-385.	4.1	34
130	Influences of vascular niches on hematopoietic stem cell fate. International Journal of Hematology, 2014, 99, 699-705.	1.6	32
131	Clinically Actionable Strategies for Studying Neural Influences in Cancer. Cancer Cell, 2020, 38, 11-14.	16.8	30
132	Macrophages, not neutrophils, infiltrate skeletal muscle in mice deficient in P/E selectins after mechanical reloading. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R727-R732.	1.8	28
133	MAEA is an E3 ubiquitin ligase promoting autophagy and maintenance of haematopoietic stem cells. Nature Communications, 2021, 12, 2522.	12.8	27
134	Galactocerebrosides Are Required Postnatally for Stromal-Dependent Bone Marrow Lymphopoiesis. Immunity, 2003, 18, 789-800.	14.3	26
135	Bone Marrow Neuropathy Prevents Hematopoietic Regeneration. Blood, 2011, 118, 139-139.	1.4	26
136	A non-cell-autonomous role for Pml in the maintenance of leukemia from the niche. Nature Communications, 2018, 9, 66.	12.8	25
137	The Diagnostic Value of CA 27-29, CA 15-3, Mucin-Like Carcinoma Antigen, Carcinoembryonic Antigen and CA 19-9 in Breast and Gastrointestinal Malignancies. Tumor Biology, 1994, 15, 247-254.	1.8	24
138	Trafficking of Stem Cells. Methods in Molecular Biology, 2011, 750, 3-24.	0.9	23
139	Granulocyte-Macrophage colony stimulating factor (GM-CSF) priming in the treatment of elderly patients with acute myelogenous leukemia. American Journal of Hematology, 1995, 49, 48-55.	4.1	21
140	P- and E-selectin-deficient mice are susceptible to cerebral ischemiaâ€“reperfusion injury. Brain Research, 1999, 835, 360-364.	2.2	21
141	Future directions in preclinical and translational cancer neuroscience research. Nature Cancer, 2020, 1, 1027-1031.	13.2	19
142	VCAM1 confers innate immune tolerance on haematopoietic and leukaemic stem cells. Nature Cell Biology, 2022, 24, 290-298.	10.3	19
143	Leukocyte Podosomes Sense Their Way through the Endothelium. Immunity, 2007, 26, 753-755.	14.3	18
144	Targeting Mac-1-mediated leukocyteâ€“RBC interactions uncouples the benefits for acute vaso-occlusion and chronic organ damage. Experimental Hematology, 2016, 44, 940-946.	0.4	15

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145	T-Regulating Hair Follicle Stem Cells. Immunity, 2017, 46, 979-981.	14.3	15
146	Neutrophil microdomains: linking heterocellular interactions with vascular injury. Current Opinion in Hematology, 2010, 17, 25-30.	2.5	14
147	Snai2 Maintains Bone Marrow Niche Cells by Repressing Osteopontin Expression. Developmental Cell, 2020, 53, 503-513.e5.	7.0	14
148	DNA and protein components of nuclear acceptor sites for androgen receptors in the rat prostate. The Journal of Steroid Biochemistry, 1987, 27, 513-520.	1.1	13
149	Macrophage Erythroblast Attacher (MAEA), but Not VCAM1, Is Required for the Bone Marrow Erythroblastic Niche. Blood, 2015, 126, 2128-2128.	1.4	13
150	Tet-mediated DNA demethylation regulates specification of hematopoietic stem and progenitor cells during mammalian embryogenesis. Science Advances, 2022, 8, eabm3470.	10.3	13
151	Bad Blood: A trigger for TRALI. Nature Medicine, 2010, 16, 382-383.	30.7	12
152	The good side of inflammation: Staphylococcus aureus proteins SpA and Sbi contribute to proper abscess formation and wound healing during skin and soft tissue infections. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2657-2670.	3.8	12
153	Nociceptors protect sickle cell disease mice from vaso-occlusive episodes and chronic organ damage. Journal of Experimental Medicine, 2021, 218, .	8.5	12
154	Olinciguat, a stimulator of soluble guanylyl cyclase, attenuates inflammation, vasoâ€occlusion and nephropathy in mouse models of sickle cell disease. British Journal of Pharmacology, 2021, 178, 3463-3475.	5.4	12
155	Stimulation of adrenergic activity by desipramine enhances hematopoietic stem and progenitor cell mobilization along with Gâ€CSF in multiple myeloma: A pilot study. American Journal of Hematology, 2017, 92, 1047-1051.	4.1	11
156	Use of beta-blocker types and risk of incident prostate cancer in a multiethnic population. Urologic Oncology: Seminars and Original Investigations, 2020, 38, 794.e11-794.e16.	1.6	11
157	Targeting CXCR4, SDF1 and Beta-Adrenergic Receptors In the AML Microenvironment by Novel Antagonist POL6326, G-CSF and Isoproterenol. Blood, 2010, 116, 2179-2179.	1.4	11
158	Beneficial Effects of Soluble Guanylyl Cyclase Stimulation and Activation in Sickle Cell Disease Are Amplified by Hydroxyurea: In Vitro and In Vivo Studies. Journal of Pharmacology and Experimental Therapeutics, 2020, 374, 469-478.	2.5	10
159	GÎ±s Uncouples Hematopoietic Stem Cell Homing and Mobilization. Cell Stem Cell, 2009, 4, 379-380.	11.1	9
160	Loss of Adrenergic Nerves in the Bone Marrow Microenvironment Drives an Aging HSC Niche Phenotype. Blood, 2016, 128, 169-169.	1.4	9
161	When integrins fail to integrate. Nature Medicine, 2009, 15, 249-250.	30.7	7
162	Prospective cohort study of the circadian rhythm pattern in allogeneic sibling donors undergoing standard granulocyte colony-stimulating factor mobilization. Stem Cell Research and Therapy, 2013, 4, 30.	5.5	7

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163	HSC Contribution in Making Steady-State Blood. Immunity, 2016, 45, 464-466.	14.3	7
164	Nestin+NG2+ Cells Form a Reserve Stem Cell Population in the Mouse Prostate. Stem Cell Reports, 2019, 12, 1201-1211.	4.8	7
165	E and P Selectins Are Not Required for Resistance to Severe Murine Lyme Arthritis. Infection and Immunity, 1998, 66, 4557-4559.	2.2	6
166	Galactocerebrosides, Essential for Hematopoietic Progenitor Mobilization, Regulate SDF-1 (CXCL12)-Mediated Attraction to Bone.. Blood, 2004, 104, 665-665.	1.4	6
167	Coordinated Regulation of Hematopoietic and Mesenchymal Stem Cells in a Bone Marrow Niche.. Blood, 2009, 114, 2-2.	1.4	6
168	Local Adrenergic Nerves Regulate Diurnal Leukocyte Adhesion: Impact In Sickle Cell Disease. Blood, 2011, 118, 1099-1099.	1.4	6
169	Osteoblasts: yes, they can. Blood, 2008, 112, 455-455.	1.4	5
170	Reprogramming finds its niche. Nature, 2014, 511, 301-302.	27.8	5
171	Randomized phase 2 trial of Intravenous Gamma Globulin (IVIG) for the treatment of acute vaso-occlusive crisis in patients with sickle cell disease: Lessons learned from the midpoint analysis. Complementary Therapies in Medicine, 2020, 52, 102481.	2.7	5
172	Mesenchymal Stem Cells, Regulated by the Sympathetic Nervous System, Form the Hematopoietic Stem Cell Niche. Blood, 2008, 112, 4-4.	1.4	5
173	P-selectin and VWF tie the knot. Blood, 2004, 103, 1979-1980.	1.4	4
174	B Cell-Driven Lymphangiogenesis in Inflamed Lymph Nodes Enhances Dendritic Cell Mobilization. Immunity, 2006, 25, 689.	14.3	4
175	Seasonal manifestations of sickle cell disease activity. Nature Medicine, 2019, 25, 536-537.	30.7	4
176	Intravenous Immunoglobulins Reverse Acute Vaso-Occlusive Crises in Sickle Cell Mice through Rapid Inhibition of Neutrophil Adhesion.. Blood, 2007, 110, 146-146.	1.4	4
177	Vaso-Occlusion-Promoting Neutrophil Mac-1 Integrin Activation in Human Sickle Cell Crises Is Stabilized By a Single Dose of Intravenous Gammaglobulin. Blood, 2014, 124, 4089-4089.	1.4	4
178	Megakaryocytes regulate hematopoietic stem cell quiescence via CXCL4 secretion. Experimental Hematology, 2014, 42, S18.	0.4	3
179	Very low incidence of <i>Clostridioides difficile</i> infection in pediatric sickle cell disease patients. Haematologica, 2021, 106, 1489-1490.	3.5	3
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