

Paul S Frenette

List of Publications by Year in descending order

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242
papers

37,648
citations

4120

87
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3021

188
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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. <i>Nature</i> , 2010, 466, 829-834.	13.7	2,935
2	Tissue-Resident Macrophages Self-Maintain Locally throughout Adult Life with Minimal Contribution from Circulating Monocytes. <i>Immunity</i> , 2013, 38, 792-804.	6.6	1,767
3	Signals from the Sympathetic Nervous System Regulate Hematopoietic Stem Cell Egress from Bone Marrow. <i>Cell</i> , 2006, 124, 407-421.	13.5	1,211
4	Haematopoietic stem cell release is regulated by circadian oscillations. <i>Nature</i> , 2008, 452, 442-447.	13.7	1,103
5	The meaning, the sense and the significance: translating the science of mesenchymal stem cells into medicine. <i>Nature Medicine</i> , 2013, 19, 35-42.	15.2	1,032
6	Arteriolar niches maintain haematopoietic stem cell quiescence. <i>Nature</i> , 2013, 502, 637-643.	13.7	1,002
7	Autonomic Nerve Development Contributes to Prostate Cancer Progression. <i>Science</i> , 2013, 341, 1236361.	6.0	851
8	Circadian control of the immune system. <i>Nature Reviews Immunology</i> , 2013, 13, 190-198.	10.6	782
9	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019, 49, 1457-1973.	1.6	766
10	Bone marrow CD169+ macrophages promote the retention of hematopoietic stem and progenitor cells in the mesenchymal stem cell niche. <i>Journal of Experimental Medicine</i> , 2011, 208, 261-271.	4.2	732
11	Deciphering the transcriptional network of the dendritic cell lineage. <i>Nature Immunology</i> , 2012, 13, 888-899.	7.0	688
12	Hematopoietic stem cell niche maintenance during homeostasis and regeneration. <i>Nature Medicine</i> , 2014, 20, 833-846.	15.2	628
13	Neutrophil ageing is regulated by the microbiome. <i>Nature</i> , 2015, 525, 528-532.	13.7	627
14	The bone marrow microenvironment at single-cell resolution. <i>Nature</i> , 2019, 569, 222-228.	13.7	624
15	Haematopoietic stem cell activity and interactions with the niche. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 303-320.	16.1	588
16	Rhythmic Modulation of the Hematopoietic Niche through Neutrophil Clearance. <i>Cell</i> , 2013, 153, 1025-1035.	13.5	555
17	Targeted disruption of cd39/ATP diphosphohydrolase results in disordered hemostasis and thromboregulation. <i>Nature Medicine</i> , 1999, 5, 1010-1017.	15.2	519
18	Susceptibility to Infection and Altered Hematopoiesis in Mice Deficient in Both P- and E-Selectins. <i>Cell</i> , 1996, 84, 563-574.	13.5	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.	1.6	505
20	Megakaryocytes regulate hematopoietic stem cell quiescence through CXCL4 secretion. Nature Medicine, 2014, 20, 1315-1320.	15.2	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.	3.3	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.	3.3	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.	6.6	425
24	PDGFR \pm and CD51 mark human Nestin $^+$ sphere-forming mesenchymal stem cells capable of hematopoietic progenitor cell expansion. Journal of Experimental Medicine, 2013, 210, 1351-1367.	4.2	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.	3.3	412
26	Adrenergic Nerves Govern Circadian Leukocyte Recruitment to Tissues. Immunity, 2012, 37, 290-301.	6.6	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.	4.2	404
28	B Cell-Driven Lymphangiogenesis in Inflamed Lymph Nodes Enhances Dendritic Cell Mobilization. Immunity, 2006, 24, 203-215.	6.6	395
29	P-Selectin Glycoprotein Ligand 1 (Psgl-1) Is Expressed on Platelets and Can Mediate Platelet-Endothelial Interactions in Vivo. Journal of Experimental Medicine, 2000, 191, 1413-1422.	4.2	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.	9.5	381
31	CD169 $^+$ macrophages provide a niche promoting erythropoiesis under homeostasis and stress. Nature Medicine, 2013, 19, 429-436.	15.2	370
32	The combined role of P- and E-selectins in atherosclerosis.. Journal of Clinical Investigation, 1998, 102, 145-152.	3.9	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.	6.6	365
34	Osterix Marks Distinct Waves of Primitive and Definitive Stromal Progenitors during Bone Marrow Development. Developmental Cell, 2014, 29, 340-349.	3.1	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.	3.3	354
36	Making sense of hematopoietic stem cell niches. Blood, 2015, 125, 2621-2629.	0.6	342

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37	Differential cytokine contributions of perivascular haematopoietic stem cell niches. <i>Nature Cell Biology</i> , 2017, 19, 214-223.	4.6	332
38	Adhesion Molecules. <i>New England Journal of Medicine</i> , 1996, 334, 1526-1529.	13.9	312
39	Acute Myelogenous Leukemia-Induced Sympathetic Neuropathy Promotes Malignancy in an Altered Hematopoietic Stem Cell Niche. <i>Cell Stem Cell</i> , 2014, 15, 365-375.	5.2	308
40	Heterotypic interactions enabled by polarized neutrophil microdomains mediate thromboinflammatory injury. <i>Nature Medicine</i> , 2009, 15, 384-391.	15.2	307
41	Adrenergic nerves activate an angio-metabolic switch in prostate cancer. <i>Science</i> , 2017, 358, 321-326.	6.0	304
42	The vessel wall and its interactions. <i>Blood</i> , 2008, 111, 5271-5281.	0.6	301
43	Niches for Hematopoietic Stem Cells and Their Progeny. <i>Immunity</i> , 2018, 48, 632-648.	6.6	290
44	Neutrophils, platelets, and inflammatory pathways at the nexus of sickle cell disease pathophysiology. <i>Blood</i> , 2016, 127, 801-809.	0.6	288
45	Vaso-occlusion in sickle cell disease: pathophysiology and novel targeted therapies. <i>Blood</i> , 2013, 122, 3892-3898.	0.6	281
46	Heme-induced neutrophil extracellular traps contribute to the pathogenesis of sickle cell disease. <i>Blood</i> , 2014, 123, 3818-3827.	0.6	281
47	Sickle cell disease: old discoveries, new concepts, and future promise. <i>Journal of Clinical Investigation</i> , 2007, 117, 850-858.	3.9	279
48	Adhesion Molecules " Blood Vessels and Blood Cells. <i>New England Journal of Medicine</i> , 1996, 335, 43-45.	13.9	265
49	Complete Identification of E-Selectin Ligands on Neutrophils Reveals Distinct Functions of PSGL-1, ESL-1, and CD44. <i>Immunity</i> , 2007, 26, 477-489.	6.6	264
50	Diabetes Impairs Hematopoietic Stem Cell Mobilization by Altering Niche Function. <i>Science Translational Medicine</i> , 2011, 3, 104ra101.	5.8	254
51	Dietary Intake Regulates the Circulating Inflammatory Monocyte Pool. <i>Cell</i> , 2019, 178, 1102-1114.e17.	13.5	254
52	Adrenergic nerve degeneration in bone marrow drives aging of the hematopoietic stem cell niche. <i>Nature Medicine</i> , 2018, 24, 782-791.	15.2	253
53	Self-renewal of a purified <i>Tie2</i> ⁺ hematopoietic stem cell population relies on mitochondrial clearance. <i>Science</i> , 2016, 354, 1156-1160.	6.0	251
54	Niche heterogeneity in the bone marrow. <i>Annals of the New York Academy of Sciences</i> , 2016, 1370, 82-96.	1.8	235

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55	Chemotherapy-induced bone marrow nerve injury impairs hematopoietic regeneration. <i>Nature Medicine</i> , 2013, 19, 695-703.	15.2	232
56	Nerves in cancer. <i>Nature Reviews Cancer</i> , 2020, 20, 143-157.	12.8	229
57	Endothelial Jagged-1 Is Necessary for Homeostatic and Regenerative Hematopoiesis. <i>Cell Reports</i> , 2013, 4, 1022-1034.	2.9	224
58	Sickle cell vaso-occlusion: multistep and multicellular paradigm. <i>Current Opinion in Hematology</i> , 2002, 9, 101-106.	1.2	213
59	Mobilized Hematopoietic Stem Cell Yield Depends on Species-Specific Circadian Timing. <i>Cell Stem Cell</i> , 2008, 3, 364-366.	5.2	207
60	GMI-1070, a novel pan-selectin antagonist, reverses acute vascular occlusions in sickle cell mice. <i>Blood</i> , 2010, 116, 1779-1786.	0.6	205
61	Fetal liver hematopoietic stem cell niches associate with portal vessels. <i>Science</i> , 2016, 351, 176-180.	6.0	193
62	CD150 ^{high} Bone Marrow Tregs Maintain Hematopoietic Stem Cell Quiescence and Immune Privilege via Adenosine. <i>Cell Stem Cell</i> , 2018, 22, 445-453.e5.	5.2	188
63	Multiple, targeted deficiencies in selectins reveal a predominant role for P-selectin in leukocyte recruitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 11452-11457.	3.3	186
64	Platelet-Endothelial Interactions in Inflamed Mesenteric Venules. <i>Blood</i> , 1998, 91, 1318-1324.	0.6	185
65	Neural Regulation of Hematopoiesis, Inflammation, and Cancer. <i>Neuron</i> , 2015, 86, 360-373.	3.8	184
66	Roadmap for the Emerging Field of Cancer Neuroscience. <i>Cell</i> , 2020, 181, 219-222.	13.5	182
67	Rapid mobilization of hematopoietic progenitors by AMD3100 and catecholamines is mediated by CXCR4-dependent SDF-1 release from bone marrow stromal cells. <i>Leukemia</i> , 2011, 25, 1286-1296.	3.3	180
68	CD44 is a physiological E-selectin ligand on neutrophils. <i>Journal of Experimental Medicine</i> , 2005, 201, 1183-1189.	4.2	177
69	PSGL-1 participates in E-selectin-mediated progenitor homing to bone marrow: evidence for cooperation between E-selectin ligands and $\alpha 4$ integrin. <i>Blood</i> , 2003, 102, 2060-2067.	0.6	170
70	Cooperation of $\beta 2$ and $\beta 3$ adrenergic receptors in hematopoietic progenitor cell mobilization. <i>Annals of the New York Academy of Sciences</i> , 2010, 1192, 139-144.	1.8	163
71	Vasculature-Associated Cells Expressing Nestin in Developing Bones Encompass Early Cells in the Osteoblast and Endothelial Lineage. <i>Developmental Cell</i> , 2014, 29, 330-339.	3.1	160
72	The hematopoietic stem cell niche: from embryo to adult. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	155

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73	Lineage-Biased Hematopoietic Stem Cells Are Regulated by Distinct Niches. <i>Developmental Cell</i> , 2018, 44, 634-641.e4.	3.1	154
74	Pretransplant CSF-1 therapy expands recipient macrophages and ameliorates GVHD after allogeneic hematopoietic cell transplantation. <i>Journal of Experimental Medicine</i> , 2011, 208, 1069-1082.	4.2	145
75	Stem cell factor is selectively secreted by arterial endothelial cells in bone marrow. <i>Nature Communications</i> , 2018, 9, 2449.	5.8	145
76	Identification of a radio-resistant and cycling dermal dendritic cell population in mice and men. <i>Journal of Experimental Medicine</i> , 2006, 203, 2627-2638.	4.2	128
77	Cytokine-induced meningitis is dramatically attenuated in mice deficient in endothelial selectins.. <i>Journal of Clinical Investigation</i> , 1996, 97, 2485-2490.	3.9	127
78	Circadian rhythms influence hematopoietic stem cells. <i>Current Opinion in Hematology</i> , 2009, 16, 235-242.	1.2	114
79	Sulfated glycans induce rapid hematopoietic progenitor cell mobilization: evidence for selectin-dependent and independent mechanisms. <i>Blood</i> , 2000, 96, 2460-2468.	0.6	112
80	Role of P-Selectin Cytoplasmic Domain in Granular Targeting In Vivo and in Early Inflammatory Responses. <i>Journal of Cell Biology</i> , 1998, 143, 1129-1141.	2.3	109
81	Sickle Cell Vaso-Occlusion. <i>Hematology/Oncology Clinics of North America</i> , 2005, 19, 771-784.	0.9	109
82	Complexity of bone marrow hematopoietic stem cell niche. <i>International Journal of Hematology</i> , 2017, 106, 45-54.	0.7	109
83	Functional selectin ligands mediating human CD34+ cell interactions with bone marrow endothelium are enhanced postnatally. <i>Journal of Clinical Investigation</i> , 2002, 110, 559-569.	3.9	106
84	Insights into Selectin Function from Knockout Mice. <i>Thrombosis and Haemostasis</i> , 1997, 78, 060-064.	1.8	105
85	Nociceptive nerves regulate haematopoietic stem cell mobilization. <i>Nature</i> , 2021, 589, 591-596.	13.7	99
86	Insights into leukocyte adhesion deficiency type 2 from a novel mutation in the GDP-fucose transporter gene. <i>Blood</i> , 2003, 101, 1705-1712.	0.6	95
87	Intravenous immunoglobulins reverse acute vaso-occlusive crises in sickle cell mice through rapid inhibition of neutrophil adhesion. <i>Blood</i> , 2008, 111, 915-923.	0.6	88
88	Cross talk between neutrophils and the microbiota. <i>Blood</i> , 2019, 133, 2168-2177.	0.6	87
89	Norepinephrine reuptake inhibition promotes mobilization in mice: potential impact to rescue low stem cell yields. <i>Blood</i> , 2012, 119, 3962-3965.	0.6	86
90	Hydroxyurea and a cGMP-amplifying agent have immediate benefits on acute vaso-occlusive events in sickle cell disease mice. <i>Blood</i> , 2012, 120, 2879-2888.	0.6	86

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91	Sickle Cell Vasooclusion: Heterotypic, Multicellular Aggregations Driven by Leukocyte Adhesion. <i>Microcirculation</i> , 2004, 11, 167-177.	1.0	83
92	Small RNAs derived from lncRNA RNase MRP have gene-silencing activity relevant to human cartilage hair hypoplasia. <i>Human Molecular Genetics</i> , 2014, 23, 368-382.	1.4	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. <i>Blood</i> , 2004, 103, 2397-2400.	0.6	82
94	A Novel Model for Lymphocytic Infiltration of the Thyroid Gland Generated by Transgenic Expression of the CC Chemokine CCL21. <i>Journal of Immunology</i> , 2004, 173, 4791-4798.	0.4	81
95	Imaging receptor microdomains on leukocyte subsets in live mice. <i>Nature Methods</i> , 2007, 4, 219-222.	9.0	79
96	Regulation of leucocyte homeostasis in the circulation. <i>Cardiovascular Research</i> , 2015, 107, 340-351.	1.8	79
97	Granulocyte-derived TNF \pm promotes vascular and hematopoietic regeneration in the bone marrow. <i>Nature Medicine</i> , 2018, 24, 95-102.	15.2	78
98	The Gut Microbiome Regulates Psychological-Stress-Induced Inflammation. <i>Immunity</i> , 2020, 53, 417-428.e4.	6.6	78
99	Integrin α 4 β 7 and its counterreceptor MAdCAM-1 contribute to hematopoietic progenitor recruitment into bone marrow following transplantation. <i>Blood</i> , 2004, 104, 2020-2026.	0.6	76
100	Engineering a haematopoietic stem cell niche by revitalizing mesenchymal stromal cells. <i>Nature Cell Biology</i> , 2019, 21, 560-567.	4.6	74
101	An Anillin-Ect2 Complex Stabilizes Central Spindle Microtubules at the Cortex during Cytokinesis. <i>PLoS ONE</i> , 2012, 7, e34888.	1.1	73
102	Activated Neutrophils Are Associated with Pediatric Cerebral Malaria Vasculopathy in Malawian Children. <i>MBio</i> , 2016, 7, e01300-15.	1.8	70
103	Brain motor and fear circuits regulate leukocytes during acute stress. <i>Nature</i> , 2022, 607, 578-584.	13.7	69
104	Hematopoietic Stem Cell Trafficking. <i>Annals of the New York Academy of Sciences</i> , 2007, 1116, 392-413.	1.8	68
105	Cholinergic Signals from the CNS Regulate G-CSF-Mediated HSC Mobilization from Bone Marrow via a Glucocorticoid Signaling Relay. <i>Cell Stem Cell</i> , 2017, 20, 648-658.e4.	5.2	68
106	Bone marrow NG2 $^+$ /Nestin $^+$ mesenchymal stem cells drive DTC dormancy via TGF- β 2. <i>Nature Cancer</i> , 2021, 2, 327-339.	5.7	68
107	Overlapping Functions of E- and P-Selectin in Neutrophil Recruitment During Acute Inflammation. <i>Blood</i> , 1998, 92, 2345-2352.	0.6	64
108	Locking a Leukocyte Integrin with Statins. <i>New England Journal of Medicine</i> , 2001, 345, 1419-1421.	13.9	64

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109	Neural Regulation of Bone and Bone Marrow. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a031344.	2.9	63
110	Vaso-occlusion in sickle cell disease: pathophysiology and novel targeted therapies. Hematology American Society of Hematology Education Program, 2013, 2013, 362-369.	0.9	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.	0.6	52
112	Experimental murine acid aspiration injury is mediated by neutrophils and the alternative complement pathway. Journal of Applied Physiology, 1997, 83, 1090-1095.	1.2	51
113	This Niche Is a Maze; An Amazing Niche. Cell Stem Cell, 2013, 12, 391-392.	5.2	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.	3.9	45
115	Mae expressed by macrophages, but not erythroblasts, maintains postnatal murine bone marrow erythroblastic islands. Blood, 2019, 133, 1222-1232.	0.6	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.	1.9	43
117	The integrin α 5 β 2 anchors hematopoietic progenitors in the bone marrow during enforced mobilization. Blood, 2004, 104, 993-1001.	0.6	41
118	Alternative CD44 splicing in intestinal stem cells and tumorigenesis. Oncogene, 2014, 33, 537-538.	2.6	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.	5.2	41
120	Intravenous Immunoglobulins Modulate Neutrophil Activation and Vascular Injury Through Fc γ RIII and SHP-1. Circulation Research, 2012, 110, 1057-1066.	2.0	40
121	Niche derived netrin-1 regulates hematopoietic stem cell dormancy via its receptor neogenin-1. Nature Communications, 2021, 12, 608.	5.8	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.	0.6	38
123	Sickle cell vasoocclusion: heterotypic, multicellular aggregations driven by leukocyte adhesion. Microcirculation, 2004, 11, 167-77.	1.0	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.	3.9	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.	0.9	36

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127	The secrets of the bone marrow niche: Enigmatic niche brings challenge for HSC expansion. <i>Nature Medicine</i> , 2012, 18, 864-865.	15.2	36
128	The Majority of CD45 ^{Ter119} CD31 ⁺ Bone Marrow Cell Fraction Is of Hematopoietic Origin and Contains Erythroid and Lymphoid Progenitors. <i>Immunity</i> , 2018, 49, 627-639.e6.	6.6	36
129	Single-dose intravenous gammaglobulin can stabilize neutrophil $M\alpha 1$ activation in sickle cell pain crisis. <i>American Journal of Hematology</i> , 2015, 90, 381-385.	2.0	34
130	Influences of vascular niches on hematopoietic stem cell fate. <i>International Journal of Hematology</i> , 2014, 99, 699-705.	0.7	32
131	Clinically Actionable Strategies for Studying Neural Influences in Cancer. <i>Cancer Cell</i> , 2020, 38, 11-14.	7.7	30
132	Macrophages, not neutrophils, infiltrate skeletal muscle in mice deficient in P/E selectins after mechanical reloading. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 285, R727-R732.	0.9	28
133	MAEA is an E3 ubiquitin ligase promoting autophagy and maintenance of haematopoietic stem cells. <i>Nature Communications</i> , 2021, 12, 2522.	5.8	27
134	Galactocerebrosides Are Required Postnatally for Stromal-Dependent Bone Marrow Lymphopoiesis. <i>Immunity</i> , 2003, 18, 789-800.	6.6	26
135	Bone Marrow Neuropathy Prevents Hematopoietic Regeneration. <i>Blood</i> , 2011, 118, 139-139.	0.6	26
136	A non-cell-autonomous role for Pml in the maintenance of leukemia from the niche. <i>Nature Communications</i> , 2018, 9, 66.	5.8	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. <i>Tumor Biology</i> , 1994, 15, 247-254.	0.8	24
138	Trafficking of Stem Cells. <i>Methods in Molecular Biology</i> , 2011, 750, 3-24.	0.4	23
139	Granulocyte-Macrophage colony stimulating factor (GM-CSF) priming in the treatment of elderly patients with acute myelogenous leukemia. <i>American Journal of Hematology</i> , 1995, 49, 48-55.	2.0	21
140	P- and E-selectin-deficient mice are susceptible to cerebral ischemia-reperfusion injury. <i>Brain Research</i> , 1999, 835, 360-364.	1.1	21
141	Future directions in preclinical and translational cancer neuroscience research. <i>Nature Cancer</i> , 2020, 1, 1027-1031.	5.7	19
142	VCAM1 confers innate immune tolerance on haematopoietic and leukaemic stem cells. <i>Nature Cell Biology</i> , 2022, 24, 290-298.	4.6	19
143	Leukocyte Podosomes Sense Their Way through the Endothelium. <i>Immunity</i> , 2007, 26, 753-755.	6.6	18
144	Targeting Mac-1-mediated leukocyte-RBC interactions uncouples the benefits for acute vaso-occlusion and chronic organ damage. <i>Experimental Hematology</i> , 2016, 44, 940-946.	0.2	15

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145	T-Regulating Hair Follicle Stem Cells. <i>Immunity</i> , 2017, 46, 979-981.	6.6	15
146	Neutrophil microdomains: linking heterocellular interactions with vascular injury. <i>Current Opinion in Hematology</i> , 2010, 17, 25-30.	1.2	14
147	Snai2 Maintains Bone Marrow Niche Cells by Repressing Osteopontin Expression. <i>Developmental Cell</i> , 2020, 53, 503-513.e5.	3.1	14
148	DNA and protein components of nuclear acceptor sites for androgen receptors in the rat prostate. <i>The Journal of Steroid Biochemistry</i> , 1987, 27, 513-520.	1.3	13
149	Macrophage Erythroblast Attacher (MAEA), but Not VCAM1, Is Required for the Bone Marrow Erythroblastic Niche. <i>Blood</i> , 2015, 126, 2128-2128.	0.6	13
150	Tet-mediated DNA demethylation regulates specification of hematopoietic stem and progenitor cells during mammalian embryogenesis. <i>Science Advances</i> , 2022, 8, eabm3470.	4.7	13
151	Bad Blood: A trigger for TRALI. <i>Nature Medicine</i> , 2010, 16, 382-383.	15.2	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. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2657-2670.	1.8	12
153	Nociceptors protect sickle cell disease mice from vaso-occlusive episodes and chronic organ damage. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	12
154	Olinciguat, a stimulator of soluble guanylyl cyclase, attenuates inflammation, vaso-occlusion and nephropathy in mouse models of sickle cell disease. <i>British Journal of Pharmacology</i> , 2021, 178, 3463-3475.	2.7	12
155	Stimulation of adrenergic activity by desipramine enhances hematopoietic stem and progenitor cell mobilization along with G-CSF in multiple myeloma: A pilot study. <i>American Journal of Hematology</i> , 2017, 92, 1047-1051.	2.0	11
156	Use of beta-blocker types and risk of incident prostate cancer in a multiethnic population. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2020, 38, 794.e11-794.e16.	0.8	11
157	Targeting CXCR4, SDF1 and Beta-Adrenergic Receptors In the AML Microenvironment by Novel Antagonist POL6326, G-CSF and Isoproterenol. <i>Blood</i> , 2010, 116, 2179-2179.	0.6	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. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 374, 469-478.	1.3	10
159	G β s Uncouples Hematopoietic Stem Cell Homing and Mobilization. <i>Cell Stem Cell</i> , 2009, 4, 379-380.	5.2	9
160	Loss of Adrenergic Nerves in the Bone Marrow Microenvironment Drives an Aging HSC Niche Phenotype. <i>Blood</i> , 2016, 128, 169-169.	0.6	9
161	When integrins fail to integrate. <i>Nature Medicine</i> , 2009, 15, 249-250.	15.2	7
162	Prospective cohort study of the circadian rhythm pattern in allogeneic sibling donors undergoing standard granulocyte colony-stimulating factor mobilization. <i>Stem Cell Research and Therapy</i> , 2013, 4, 30.	2.4	7

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