David T Scadden

List of Publications by Year in Descending Order

192 papers	21,534 citations	62 h-index	146 g-index
214 ext. papers	25,197 ext. citations	17.7 avg, IF	7.02 L-index

#	Paper	IF	Citations
192	Bone marrow endothelial dysfunction promotes myeloid cell expansion in cardiovascular disease **2022**, 1, 28-44		4
191	B lymphocyte-derived acetylcholine limits steady-state and emergency hematopoiesis.. *Nature Immunology*, **2022**, 23, 605-618	19.1	6
190	Chromatin-state barriers enforce an irreversible mammalian cell fate decision. *Cell Reports*, **2021**, 37, 109967	10.6	4
189	Inhibition of S-Adenosylmethionine Synthesis Promotes Erythropoiesis Via Epigenetic Modifications. *Blood*, **2021**, 138, 1991-1991	2.2	
188	Spatial Transcriptomics Reveals DPP4 As Novel Marker of a More Proliferative Phenotype in Early AML Progression. *Blood*, **2021**, 138, 3310-3310	2.2	1
187	Myeloid-Biased HSC Require Semaphorin4a from the Bone Marrow Niche for Self-Renewal Under Stress and Life-Long Persistence. *Blood*, **2021**, 138, 3283-3283	2.2	
186	Human prostate cancer bone metastases have an actionable immunosuppressive microenvironment. *Cancer Cell*, **2021**, 39, 1464-1478.e8	24.3	12
185	What is the role of the bone marrow microenvironment in AML?. *Best Practice and Research in Clinical Haematology*, **2021**, 34, 101328	4.2	
184	Malic enzyme 2 connects the Krebs cycle intermediate fumarate to mitochondrial biogenesis. *Cell Metabolism*, **2021**, 33, 1027-1041.e8	24.6	3
183	Metabolic perturbations sensitize triple-negative breast cancers to apoptosis induced by BH3 mimetics. *Science Signaling*, **2021**, 14,	8.8	2
182	Progression signature underlies clonal evolution and dissemination of multiple myeloma. *Blood*, **2021**, 137, 2360-2372	2.2	9
181	Efficacy and safety of anti-CD45-saporin as conditioning agent for RAG deficiency. *Journal of Allergy and Clinical Immunology*, **2021**, 147, 309-320.e6	11.5	12
180	The skeletal stem cell **2021**, 75-98		
179	Analysis of Leukemia Cell Metabolism through Stable Isotope Tracing in Mice. *Bio-protocol*, **2021**, 11, e4171	0.9	0
178	Imaging dynamic mTORC1 pathway activity in vivo reveals marked shifts that support time-specific inhibitor therapy in AML. *Nature Communications*, **2021**, 12, 245	17.4	5
177	Young haematopoietic stem cells are picky eaters. *Cell Research*, **2021**, 31, 377-378	24.7	
176	tiRNA signaling via stress-regulated vesicle transfer in the hematopoietic niche. *Cell Stem Cell*, **2021**, 28, 2090-2103.e9	18	5

175	Low NCOR2 levels in multiple myeloma patients drive multidrug resistance via MYC upregulation. *Blood Cancer Journal*, **2021**, 11, 194	7	2
174	C9orf72 suppresses systemic and neural inflammation induced by gut bacteria. *Nature*, **2020**, 582, 89-94	50.4	83
173	Aldehyde dehydrogenase 3a2 protects AML cells from oxidative death and the synthetic lethality of ferroptosis inducers. *Blood*, **2020**, 136, 1303-1316	2.2	31
172	Lipid availability determines fate of skeletal progenitor cells via SOX9. *Nature*, **2020**, 579, 111-117	50.4	53
171	A biomaterial-based vaccine eliciting durable tumour-specific responses against acute myeloid leukaemia. *Nature Biomedical Engineering*, **2020**, 4, 40-51	19	46
170	Reversing Clonal Hematopoiesis and Associated Atherosclerotic Disease By Targeted Antibody-Drug-Conjugate (ADC) Conditioning and Transplant. *Blood*, **2020**, 136, 34-35	2.2	
169	Mgta-145, in Combination with Plerixafor in a Phase 1 Clinical Trial, Mobilizes Large Numbers of Human Hematopoietic Stem Cells and a Graft with Immunosuppressive Effects for Allogeneic Transplant. *Blood*, **2020**, 136, 31-32	2.2	2
168	Lactate Dehydrogenase A Governs Cardiac Hypertrophic Growth in Response to Hemodynamic Stress. *Cell Reports*, **2020**, 32, 108087	10.6	16
167	Effective Multi-lineage Engraftment in a Mouse Model of Fanconi Anemia Using Non-genotoxic Antibody-Based Conditioning. *Molecular Therapy - Methods and Clinical Development*, **2020**, 17, 455-464	6.4	12
166	Induction of a Timed Metabolic Collapse to Overcome Cancer Chemoresistance. *Cell Metabolism*, **2020**, 32, 391-403.e6	24.6	33
165	Adult blood stem cell localization reflects the abundance of reported bone marrow niche cell types and their combinations. *Blood*, **2020**, 136, 2296-2307	2.2	28
164	Cell interactions in the bone marrow microenvironment affecting myeloid malignancies. *Blood Advances*, **2020**, 4, 3795-3803	7.8	16
163	VEGF-C protects the integrity of the bone marrow perivascular niche in mice. *Blood*, **2020**, 136, 1871-1882	2.2	14
162	A Cellular Taxonomy of the Bone Marrow Stroma in Homeostasis and Leukemia. *Cell*, **2019**, 177, 1915-1932.e16	36.2	314
161	Lineage Tracing Reveals a Subset of Reserve Muscle Stem Cells Capable of Clonal Expansion under Stress. *Cell Stem Cell*, **2019**, 24, 944-957.e5	18	44
160	Ptpn21 Controls Hematopoietic Stem Cell Homeostasis and Biomechanics. *Cell Stem Cell*, **2019**, 24, 608-620.e6	20.4	24
159	Selective hematopoietic stem cell ablation using CD117-antibody-drug-conjugates enables safe and effective transplantation with immunity preservation. *Nature Communications*, **2019**, 10, 617	17.4	70
158	An injectable bone marrow-like scaffold enhances T cell immunity after hematopoietic stem cell transplantation. *Nature Biotechnology*, **2019**, 37, 293-302	44.5	62

157	Programmable microencapsulation for enhanced mesenchymal stem cell persistence and immunomodulation. *Proceedings of the National Academy of Sciences of the United States of America* , **2019**, 116, 15392-15397	11.5	73
156	Stress-Induced Changes in Bone Marrow Stromal Cell Populations Revealed through Single-Cell Protein Expression Mapping. *Cell Stem Cell*, **2019**, 25, 570-583.e7	18	63
155	Exercise reduces inflammatory cell production and cardiovascular inflammation via instruction of hematopoietic progenitor cells. *Nature Medicine*, **2019**, 25, 1761-1771	50.5	90
154	Epigenetic Activation of the pH Regulator MCT4 in Acute Myeloid Leukemia Exploits a Fundamental Metabolic Process of Enhancing Cell Growth through Proton Shifting. *Blood*, **2019**, 134, 3765-3765	2.2	1
153	Thymus Regeneration Is Dependent on Distinct Mesenchymal Stromal Cell Populations. *Blood*, **2019** , 134, 586-586	2.2	
152	A Specific Mesenchymal Stem and Progenitor Cell (MSPC) Subpopulation with a Multi-Potent Gene Signature Is Transcriptionally Altered in the Setting of Myelodysplastic Syndrome (MDS) in Primary Human Bone Marrow Aspirates. *Blood*, **2019**, 134, 1708-1708	2.2	0
151	Glucocorticoids Regulate Bone Marrow B Lymphopoiesis After Stroke. *Circulation Research*, **2019**, 124, 1372-1385	15.7	26
150	Metcalf Lecture Award: Applying niche biology to engineer T-cell regenerative therapies. *Experimental Hematology*, **2019**, 80, 1-10	3.1	1
149	Identification of Functionally Distinct Mx1+αSMA+ Periosteal Skeletal Stem Cells. *Cell Stem Cell*, **2019**, 25, 784-796.e5	18	52
148	Growing old in the age of heterogeneity: the perils of shifting clonality. *Current Opinion in Hematology*, **2019**, 26, 222-227	3.3	1
147	Cell Cycle Analysis of Hematopoietic Stem and Progenitor Cells by Multicolor Flow Cytometry. *Current Protocols in Cytometry*, **2019**, 87, e50	3.6	5
146	Hematopoietic Microenvironment **2018**, 119-126		1
145	Modulating Bone Marrow Hematopoietic Lineage Potential to Prevent Bone Metastasis in Breast Cancer. *Cancer Research*, **2018**, 78, 5300-5314	10.1	18
144	dropEst: pipeline for accurate estimation of molecular counts in droplet-based single-cell RNA-seq experiments. *Genome Biology*, **2018**, 19, 78	18.3	81
143	The Wave2 scaffold Hem-1 is required for transition of fetal liver hematopoiesis to bone marrow. *Nature Communications*, **2018**, 9, 2377	17.4	9
142	Bone marrow drives central nervous system regeneration after radiation injury. *Journal of Clinical Investigation*, **2018**, 128, 281-293	15.9	29
141	The NOTCH1/CD44 axis drives pathogenesis in a T cell acute lymphoblastic leukemia model. *Journal of Clinical Investigation*, **2018**, 128, 2802-2818	15.9	30
140	DHODH Inhibitors in the Treatment of Acute Myeloid Leukemia: Defining the Mechanism of Action and the Basis of the Metabolic Therapeutic Window. *Blood*, **2018**, 132, 2716-2716	2.2	2

139	Rapid Mobilization Reveals a Highly Engraftable Hematopoietic Stem Cell. *Cell*, **2018**, 172, 191-204.e10	56.2	61
138	deficiency-induced bone marrow niche alterations lead to the initiation of myeloproliferative neoplasm. *Blood Advances*, **2018**, 2, 534-548	7.8	21
137	Shipping mouse bone marrow: Keep it in the bone. *Experimental Hematology*, **2017**, 49, 68-72	3.1	2
136	Neoplasms in Acquired Immunodeficiency Syndrome **2017**, 1-23		
135	Hematopoiesis: Reconciling Historic Controversies about the Niche. *Cell Stem Cell*, **2017**, 20, 590-592	18	23
134	ZFP521 regulates murine hematopoietic stem cell function and facilitates MLL-AF9 leukemogenesis in mouse and human cells. *Blood*, **2017**, 130, 619-624	2.2	13
133	The metabolic regulator mTORC1 controls terminal myeloid differentiation. *Science Immunology*, **2017**, 2,	28	11
132	Written in bone: young bone makes young blood. *EMBO Journal*, **2017**, 36, 831-833	13	3
131	Bone marrow-derived immature myeloid cells are a main source of circulating suPAR contributing to proteinuric kidney disease. *Nature Medicine*, **2017**, 23, 100-106	50.5	89
130	Preclinical modeling highlights the therapeutic potential of hematopoietic stem cell gene editing for correction of SCID-X1. *Science Translational Medicine*, **2017**, 9,	17.5	116
129	Harnessing the Biology of Stem CellsRNiche **2017**, 15-31		4
128	Osteoblasts remotely supply lung tumors with cancer-promoting SiglecF neutrophils. *Science*, **2017**, 358,	33.3	172
127	Amino acid-insensitive mTORC1 regulation enables nutritional stress resilience in hematopoietic stem cells. *Journal of Clinical Investigation*, **2017**, 127, 1405-1413	15.9	15
126	Osteoblastic Cell-Derived Extracellular Vesicles Transfer Small RNAs That Alter the Physiology of Hematopoietic Cells In Vivo. *Blood*, **2017**, 130, 93-93	2.2	
125	Inhibition of Dihydroorotate Dehydrogenase Overcomes Differentiation Blockade in Acute Myeloid Leukemia. *Cell*, **2016**, 167, 171-186.e15	56.2	214
124	PHD3 Loss in Cancer Enables Metabolic Reliance on Fatty Acid Oxidation via Deactivation of ACC2. *Molecular Cell*, **2016**, 63, 1006-20	17.6	75
123	Epigenetic Memory Underlies Cell-Autonomous Heterogeneous Behavior of Hematopoietic Stem Cells. *Cell*, **2016**, 167, 1310-1322.e17	56.2	124
122	Leukaemogenic effects of Ptpn11 activating mutations in the stem cell microenvironment. *Nature*, **2016**, 539, 304-308	50.4	154

121	Non-genotoxic conditioning for hematopoietic stem cell transplantation using a hematopoietic-cell-specific internalizing immunotoxin. *Nature Biotechnology*, **2016**, 34, 738-45	44.5	121
120	Single Targeted Exon Mutation Creates a True Congenic Mouse for Competitive Hematopoietic Stem Cell Transplantation: The C57BL/6-CD45.1(STEM) Mouse. *Stem Cell Reports*, **2016**, 6, 985-992	8	34
119	Tle1 tumor suppressor negatively regulates inflammation in vivo and modulates NF-B inflammatory pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1871-6	11.5	43
118	Endogenous transmembrane protein UT2 inhibits pSTAT3 and suppresses hematological malignancy. *Journal of Clinical Investigation*, **2016**, 126, 1300-10	15.9	6
117	Inhibition of the Enzyme Dihydroorotate Dehydrogenase Overcomes Differentiation Blockade in Acute Myeloid Leukemia. *Blood*, **2016**, 128, 1656-1656	2.2	1
116	Rapid Mobilization Reveals a Highly Engraftable Hematopoietic Stem Cell. *Blood*, **2016**, 128, 368-368	2.2	
115	Hematopoietic Stem Cell Niche in Health and Disease. *Annual Review of Pathology: Mechanisms of Disease*, **2016**, 11, 555-81	34	92
114	Distinct bone marrow blood vessels differentially regulate haematopoiesis. *Nature*, **2016**, 532, 323-8	50.4	411
113	Blood and Bone. *New England Journal of Medicine*, **2016**, 374, 1891-3	59.2	2
112	Heterogeneity of the bone marrow niche. *Current Opinion in Hematology*, **2016**, 23, 331-8	3.3	62
111	Distinctive Mesenchymal-Parenchymal Cell Pairings Govern B Cell Differentiation in the Bone Marrow. *Stem Cell Reports*, **2016**, 7, 220-35	8	31
110	Development of ML390: A Human DHODH Inhibitor That Induces Differentiation in Acute Myeloid Leukemia. *ACS Medicinal Chemistry Letters*, **2016**, 7, 1112-1117	4.3	36
109	Generation of Definitive Engraftable Hematopoietic Stem Cells from Human Pluripotent Stem Cells **2016**, 16-26		1
108	Angiogenin Promotes Hematopoietic Regeneration by Dichotomously Regulating Quiescence of Stem and Progenitor Cells. *Cell*, **2016**, 166, 894-906	56.2	101
107	Proximity-Based Differential Single-Cell Analysis of the Niche to Identify Stem/Progenitor Cell Regulators. *Cell Stem Cell*, **2016**, 19, 530-543	18	96
106	Specific bone cells produce DLL4 to generate thymus-seeding progenitors from bone marrow. *Journal of Experimental Medicine*, **2015**, 212, 759-74	16.6	94
105	Myocardial Infarction Activates CCR2(+) Hematopoietic Stem and Progenitor Cells. *Cell Stem Cell*, **2015**, 16, 477-87	18	129
104	Mesenchymal cell contributions to the stem cell niche. *Cell Stem Cell*, **2015**, 16, 239-53	18	332

103	Notch Receptor-Ligand Engagement Maintains Hematopoietic Stem Cell Quiescence and Niche Retention. *Stem Cells*, **2015**, 33, 2280-93	5.8	26
102	A hostel for the hostile: the bone marrow niche in hematologic neoplasms. *Haematologica*, **2015**, 100, 1376-87	6.6	73
101	Global transcriptome analysis of T-competent progenitors in the bone marrow. *Genomics Data*, **2015**, 5, 100-2		
100	Bone marrow stem cells: current and emerging concepts. *Annals of the New York Academy of Sciences*, **2015**, 1335, 32-44	6.5	63
99	Engineering pulmonary vasculature in decellularized rat and human lungs. *Nature Biotechnology*, **2015**, 33, 1097-102	44.5	154
98	Ischemic stroke activates hematopoietic bone marrow stem cells. *Circulation Research*, **2015**, 116, 407-17	15.7	126
97	Transcriptome comparison of distinct osteolineage subsets in the hematopoietic stem cell niche using a triple fluorescent transgenic mouse model. *Genomics Data*, **2015**, 5, 318-9		1
96	Harnessing the apoptotic programs in cancer stem-like cells. *EMBO Reports*, **2015**, 16, 1084-98	6.5	36
95	Not All Created Equal: Lineage Hard-Wiring in the Production of Blood. *Cell*, **2015**, 163, 1568-70	56.2	15
94	Niche-Based Screening in Multiple Myeloma Identifies a Kinesin-5 Inhibitor with Improved Selectivity over Hematopoietic Progenitors. *Cell Reports*, **2015**, 10, 755-770	10.6	18
93	Distinct Bone Marrow Blood Vessels Differentially Regulate Normal and Malignant Hematopoietic Stem and Progenitor Cells. *Blood*, **2015**, 126, 664-664	2.2	1
92	Targeting the Warburg effect for leukemia therapy: Magnitude matters. *Molecular and Cellular Oncology*, **2015**, 2, e981988	1.2	6
91	Direct measurement of local oxygen concentration in the bone marrow of live animals. *Nature*, **2014**, 508, 269-73	50.4	709
90	Nice neighborhood: emerging concepts of the stem cell niche. *Cell*, **2014**, 157, 41-50	56.2	241
89	Tic-TACs: refreshing hair growth. *Cell*, **2014**, 157, 769-70	56.2	3
88	The bone marrow niche for haematopoietic stem cells. *Nature*, **2014**, 505, 327-34	50.4	1479
87	D-cyclins repress apoptosis in hematopoietic cells by controlling death receptor Fas and its ligand FasL. *Developmental Cell*, **2014**, 30, 255-67	10.2	22
86	Cell-state-specific metabolic dependency in hematopoiesis and leukemogenesis. *Cell*, **2014**, 158, 1309-1323	56.2	220

85	Deep diving in the blood stem cell-ome. *EMBO Journal*, **2014**, 33, 2281-2	13	
84	SnapShot: The hematopoietic stem cell niche. *Cell*, **2014**, 158, 228-228.e1	56.2	17
83	Bayesian approach to single-cell differential expression analysis. *Nature Methods*, **2014**, 11, 740-2	21.6	783
82	Sequential in vivo imaging of osteogenic stem/progenitor cells during fracture repair. *Journal of Visualized Experiments*, **2014**,	1.6	8
81	Inhibiting stromal cell heparan sulfate synthesis improves stem cell mobilization and enables engraftment without cytotoxic conditioning. *Blood*, **2014**, 124, 2937-47	2.2	34
80	Cellular thrust and parry in the leukemic niche. *Blood*, **2014**, 124, 2760-1	2.2	4
79	Blood loses it when nerves go bad. *Cell Research*, **2014**, 24, 1151-2	24.7	2
78	Boner dark side: mutated osteoblasts implicated in leukemia. *Cell Research*, **2014**, 24, 383-4	24.7	3
77	Transmembrane Inhibitor of RICTOR/mTORC2 in Hematopoietic Progenitors. *Stem Cell Reports*, **2014**, 3, 832-40	8	15
76	Sex steroid blockade enhances thymopoiesis by modulating Notch signaling. *Journal of Experimental Medicine*, **2014**, 211, 2341-9	16.6	74
75	Clonal-Heterogeneity and Propensity for Bone Metastasis in Multiple Myeloma. *Blood*, **2014**, 124, 3370-3370	2.2	1
74	Proximity-Based Single Cell Analysis of the Bone Marrow Niche Identifies Interleukin-18 As a Quiescence Regulator of Early Hematopoietic Progenitors. *Blood*, **2014**, 124, 773-773	2.2	1
73	Loss of Notch Receptor-Ligand Engagement Leads to Increased Hematopoietic Stem and Progenitor Cell Egress and Mobilization. *Blood*, **2014**, 124, 652-652	2.2	
72	Differential regulation of myeloid leukemias by the bone marrow microenvironment. *Nature Medicine*, **2013**, 19, 1513-7	50.5	190
71	Myelopoiesis is regulated by osteocytes through Gs-dependent signaling. *Blood*, **2013**, 121, 930-9	2.2	128
70	Differential stem- and progenitor-cell trafficking by prostaglandin E2. *Nature*, **2013**, 495, 365-9	50.4	109
69	Ex Vivo expansion Of Umbilical Cord Blood CD34+ Cells Under Hypoxic Conditions Using Novel Compound#999 With Cytokines. *Blood*, **2013**, 122, 4508-4508	2.2	1
68	Human and Murine -Defensin-Derived Peptides Induce Rapid Mobilization Of Murine Hematopoietic Stem and Progenitor Cells Via Activation Of CXCR4 Signaling and CXCL12 Release. *Blood*, **2013**, 122, 890-890	2.2	

67	BCR-ABL1+ Leukemic Stem Cells Are Dependent On Selectin-Ligand Interactions For Engraftment In The Bone Marrow Niche. *Blood*, **2013**, 122, 2703-2703	2.2	
66	Endogenous bone marrow MSCs are dynamic, fate-restricted participants in bone maintenance and regeneration. *Cell Stem Cell*, **2012**, 10, 259-72	18	461
65	Rethinking stroma: lessons from the blood. *Cell Stem Cell*, **2012**, 10, 648-649	18	17
64	mTOR complex 1 plays critical roles in hematopoiesis and Pten-loss-evoked leukemogenesis. *Cell Stem Cell*, **2012**, 11, 429-39	18	145
63	The secrets of the bone marrow niche: Metabolic priming for AML. *Nature Medicine*, **2012**, 18, 865-867	50.5	13
62	Differential Regulation of Myeloid Leukemias by the Bone Marrow Microenvironment. *Blood*, **2012**, 120, 1245-1245	2.2	0
61	Identifying Small Molecules That Overcome HoxA9-Mediated Differentiation Arrest in Acute Myeloid Leukemia. *Blood*, **2012**, 120, 3513-3513	2.2	
60	The bone marrow at the crossroads of blood and immunity. *Nature Reviews Immunology*, **2011**, 12, 49-60	36.5	234
59	In vivo imaging of Treg cells providing immune privilege to the haematopoietic stem-cell niche. *Nature*, **2011**, 474, 216-9	50.4	403
58	AKT/FOXO signaling enforces reversible differentiation blockade in myeloid leukemias. *Cell*, **2011**, 146, 697-708	56.2	203
57	In vivo imaging of transplanted hematopoietic stem and progenitor cells in mouse calvarium bone marrow. *Nature Protocols*, **2011**, 6, 1-14	18.8	103
56	Diabetes impairs hematopoietic stem cell mobilization by altering niche function. *Science Translational Medicine*, **2011**, 3, 104ra101	17.5	211
55	Parathyroid Hormone-Induced Modulation of the Bone Marrow Microenvironment Reduces Leukemic Stem Cells in Murine Chronic Myelogenous-Leukemia-Like Disease Via a TGFbeta-Dependent Pathway. *Blood*, **2011**, 118, 1670-1670	2.2	1
54	Osteocytes Support Hematopoiesis by Altering the Bone Marrow Microenvironment Through Gs Signaling. *Blood*, **2011**, 118, 219-219	2.2	
53	Real-Time RT-PCR Analysis of Individual Osteolineage Cells within the Hematopoietic Stem Cell Niche. *Blood*, **2011**, 118, 2389-2389	2.2	
52	Bone progenitor dysfunction induces myelodysplasia and secondary leukaemia. *Nature*, **2010**, 464, 852-7	50.4	815
51	Mesenchymal and haematopoietic stem cells form a unique bone marrow niche. *Nature*, **2010**, 466, 829-34	50.4	2446
50	CYC065, a Potent Derivative of Seliciclib Is Active In Multiple Myeloma In Preclinical Studies. *Blood*, **2010**, 116, 2999-2999	2.2	1

49	Lenalidomide In Combination with the Activin Receptor Type II Murine Fc Protein RAP-011: Preclinical Rationale for a Novel Anti-Myeloma Strategy. *Blood*, **2010**, 116, 4075-4075	2.2	1
48	Parathyroid Hormone-Induced Modulation of the Bone Marrow Microenvironment Inhibits the Development of Murine Chronic Myelogenous-Leukemia-Like Disease. *Blood*, **2010**, 116, 937-937	2.2	
47	Role of BMP Signaling In the Anemia of Chronic Disease. *Blood*, **2010**, 116, 2043-2043	2.2	
46	Vav1 Regulates Perivascular Homing, Bone Marrow Retention and Engraftment of Hematopoietic Stem Cells Via SDF1a Signaling. *Blood*, **2010**, 116, 400-400	2.2	
45	Live-animal tracking of individual haematopoietic stem/progenitor cells in their niche. *Nature*, **2009**, 457, 92-6	50.4	706
44	Role of the osteoblast lineage in the bone marrow hematopoietic niches. *Journal of Bone and Mineral Research*, **2009**, 24, 759-64	6.3	85
43	CCL3 Impairs Osteoblast Function Via Downregulation of Osteocalcin.. *Blood*, **2009**, 114, 739-739	2.2	
42	A Regulatory Network Between Notch and AKT Signaling Pathways Differentially Controls Megakaryocyte Development From Hematopoietic Stem or Committed Progenitor Cells.. *Blood*, **2009**, 114, 384-384	2.2	
41	Regulation of Rho GTPases by the Hematopoietic-Specific Guanine Nucleotide Exchange Factor Vav1 Is Critical for Hematopoietic Stem Cell Retention in the Endosteal Niche and Engraftment.. *Blood*, **2009**, 114, 80-80	2.2	
40	Deconstructing stem cell self-renewal: genetic insights into cell-cycle regulation. *Nature Reviews Genetics*, **2008**, 9, 115-28	30.1	656
39	Wnt signaling in the niche enforces hematopoietic stem cell quiescence and is necessary to preserve self-renewal in vivo. *Cell Stem Cell*, **2008**, 2, 274-83	18	392
38	Osteoblastic regulation of B lymphopoiesis is mediated by Gs{alpha}-dependent signaling pathways. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 16976-81	11.5	202
37	Promoting Osteoblastogenesis Using a Novel Dkk-1 Neutralizing Antibody in the Treatment of Multiple Myeloma Related Bone Disease. *Blood*, **2008**, 112, 2739-2739	2.2	3
36	The stem cell niche in health and leukemic disease. *Best Practice and Research in Clinical Haematology*, **2007**, 20, 19-27	4.2	48
35	Therapeutic targeting of a stem cell niche. *Nature Biotechnology*, **2007**, 25, 238-43	44.5	263
34	A microenvironment-induced myeloproliferative syndrome caused by retinoic acid receptor gamma deficiency. *Cell*, **2007**, 129, 1097-110	56.2	432
33	The weight of cell identity. *Journal of Clinical Investigation*, **2007**, 117, 3653-5	15.9	5
32	Case records of the Massachusetts General Hospital. Case 30-2006. A 41-year-old man with dyspnea, fever, and lymphadenopathy. *New England Journal of Medicine*, **2006**, 355, 1358-68	59.2	6

31	Nucleotide Receptor P2Y14 Modulates Hematopoietic Stem Cell Response to Tissue Injury Altering Stem Cell Preservation and Tissue Recovery.. *Blood*, **2006**, 108, 679-679	2.2	1
30	Bortezomib Induces Proliferation of Mesenchymal Progenitor Cells and Promotes Differentiation towards Osteoblastic Lineage.. *Blood*, **2006**, 108, 88-88	2.2	4
29	Hematopoietic Stem Cell Engraftment in Bone Marrow Is Dependent upon Gs. *Blood*, **2006**, 108, 857-857	2.2	
28	Neither Germinal Center (GC) vs Non-Germinal Center (Non-GC) Phenotype nor FOXP1 Expression Correlate with Outcome in AIDS-Associated Diffuse Large B-Cell Lymphoma (DLBCL): Study of Patients from AIDS Malignancies Consortium Trials 010 and 034.. *Blood*, **2006**, 108, 2023-2023	2.2	
27	Osteopontin is a hematopoietic stem cell niche component that negatively regulates stem cell pool size. *Journal of Experimental Medicine*, **2005**, 201, 1781-91	16.6	535
26	In vivo imaging of specialized bone marrow endothelial microdomains for tumour engraftment. *Nature*, **2005**, 435, 969-73	50.4	701
25	Adult Stem Cells. *American Journal of Transplantation*, **2005**, 5, 193-193	8.7	1
24	Dose Adjusted IV Busulfan/Cyclophosphamide (BU/CY) and Autologous (AU) Stem Cell Transplantation (SCT) for Recurrent Lymphoma.. *Blood*, **2004**, 104, 1884-1884	2.2	1
23	Matrix Glycoprotein Osteopontin Is a Stem Cell Niche Constituent That Constrains the Hematopoietic Stem Cell Pool Size.. *Blood*, **2004**, 104, 664-664	2.2	3
22	Unique Expression of Platelet Endothelial Cell Adhesion Molecule-1 (PECAM-1/CD31) on Embryonic Stem Cells.. *Blood*, **2004**, 104, 3914-3914	2.2	
21	Specialized Bone Marrow Endothelium Defines Microdomains for Tumor and Stem Cell Engraftment.. *Blood*, **2004**, 104, 663-663	2.2	
20	AIDS-related malignancies. *Annual Review of Medicine*, **2003**, 54, 285-303	17.4	45
19	Heterologous cells cooperate to augment stem cell migration, homing, and engraftment. *Blood*, **2003**, 101, 45-51	2.2	45
18	AIDS lymphomas: beginning of an EPOCH?. *Blood*, **2003**, 101, 4647-4647	2.2	
17	T-cell differentiation: Notch another step. *Blood*, **2003**, 102, 2316-2316	2.2	
16	Stem cells and immune reconstitution in AIDS. *Blood Reviews*, **2003**, 17, 227-31	11.1	8
15	Toward cellular-based therapies for HIV infection. *Journal of Hematotherapy and Stem Cell Research* , **2002**, 11, 759-64		2
14	Tat peptide-derivatized magnetic nanoparticles allow in vivo tracking and recovery of progenitor cells. *Nature Biotechnology*, **2000**, 18, 410-4	44.5	1573

13	Active movement of T cells away from a chemokine. *Nature Medicine*, **2000**, 6, 543-8	50.5	253
12	Pulsed electric fields for selection of hematopoietic cells and depletion of tumor cell contaminants. *Nature Biotechnology*, **2000**, 18, 882-7	44.5	28
11	Stem cell repopulation efficiency but not pool size is governed by p27(kip1). *Nature Medicine*, **2000**, 6, 1235-40	50.5	294
10	Extracellular cyclic ADP-ribose increases intracellular free calcium concentration and stimulates proliferation of human hemopoietic progenitors. *FASEB Journal*, **2000**, 14, 680-90	0.9	70
9	Epstein-Barr virus, the CNS, and AIDS-related lymphomas: as close as flame to smoke. *Journal of Clinical Oncology*, **2000**, 18, 3323-4	2.2	14
8	Efficient generation of human T cells from a tissue-engineered thymic organoid. *Nature Biotechnology*, **2000**, 18, 729-34	44.5	127
7	Hematopoietic stem cell quiescence maintained by p21cip1/waf1. *Science*, **2000**, 287, 1804-8	33.3	1077
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2	Epstein-Barr virus-driven gene therapy for EBV-related lymphomas. *Nature Medicine*, **1996**, 2, 1379-82	50.5	37
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