Irving L Weissman

List of Publications by Year
in descending order

302 papers	62,626 citations	1981 104 h-index	1096 239 g-index
313 all docs	313 docs citations	313 times ranked	65925 citing authors

#	Article	IF	Citations
1	Stem cells, cancer, and cancer stem cells. Nature, 2001, 414, 105-111.	13.7	8,665
2	Purified hematopoietic stem cells can differentiate into hepatocytes in vivo. Nature Medicine, 2000, 6, 1229-1234.	15.2	2,255
3	A clonogenic common myeloid progenitor that gives rise to all myeloid lineages. Nature, 2000, 404, 193-197.	13.7	2,194
4	Haematopoietic stem cells adopt mature haematopoietic fates in ischaemic myocardium. Nature, 2004, 428, 668-673.	13.7	1,639
5	PD-1 expression by tumour-associated macrophages inhibits phagocytosis and tumour immunity. Nature, 2017, 545, 495-499.	13.7	1,489
6	A cell-surface molecule involved in organ-specific homing of lymphocytes. Nature, 1983, 304, 30-34.	13.7	1,457
7	Little Evidence for Developmental Plasticity of Adult Hematopoietic Stem Cells. Science, 2002, 297, 2256-2259.	6.0	1,423
8	New tools for studying microglia in the mouse and human CNS. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1738-46.	3.3	1,400
9	CD47 Is an Adverse Prognostic Factor and Therapeutic Antibody Target on Human Acute Myeloid Leukemia Stem Cells. Cell, 2009, 138, 286-299.	13.5	1,371
10	CD47 Is Upregulated on Circulating Hematopoietic Stem Cells and Leukemia Cells to Avoid Phagocytosis. Cell, 2009, 138, 271-285.	13.5	1,282
11	The CD47-signal regulatory protein alpha (SIRPa) interaction is a therapeutic target for human solid tumors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6662-6667.	3.3	1,255
12	The long-term repopulating subset of hematopoietic stem cells is deterministic and isolatable by phenotype. Immunity, 1994, 1, 661-673.	6.6	976
13	A molecular cell atlas of the human lung from single-cell RNA sequencing. Nature, 2020, 587, 619-625.	13.7	963
14	Anti-CD47 Antibody Synergizes with Rituximab to Promote Phagocytosis and Eradicate Non-Hodgkin Lymphoma. Cell, 2010, 142, 699-713.	13.5	894
15	CD47 Blockade by Hu5F9-G4 and Rituximab in Non-Hodgkinâ€™s Lymphoma. New England Journal of Medicine, 2018, 379, 1711-1721.	13.9	796
16	The aging of hematopoietic stem cells. Nature Medicine, 1996, 2, 1011-1016.	15.2	790
17	CD24 signalling through macrophage Siglec-10 is a target for cancer immunotherapy. Nature, 2019, 572, 392-396.	13.7	744
18	The Biology of Hematopoietic Stem Cells. Annual Review of Cell and Developmental Biology, 1995, 11, 35-71.	4.0	687

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19	A single-cell transcriptomic atlas characterizes ageing tissues in the mouse. Nature, 2020, 583, 590-595.	13.7	683
20	Hematopoietic stem cell: selfâ€renewal versus differentiation. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 640-653.	6.6	666
21	Clonal Evolution of Preleukemic Hematopoietic Stem Cells Precedes Human Acute Myeloid Leukemia. Science Translational Medicine, 2012, 4, 149ra118.	5.8	630
22	Calreticulin Is the Dominant Pro-Phagocytic Signal on Multiple Human Cancers and Is Counterbalanced by CD47. Science Translational Medicine, 2010, 2, 63ra94.	5.8	591
23	Identification, molecular characterization, clinical prognosis, and therapeutic targeting of human bladder tumor-initiating cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14016-14021.	3.3	584
24	Identification and Specification of the Mouse Skeletal Stem Cell. Cell, 2015, 160, 285-298.	13.5	571
25	Tumorigenicity as a clinical hurdle for pluripotent stem cell therapies. Nature Medicine, 2013, 19, 998-1004.	15.2	559
26	Phagocytosis checkpoints as new targets for cancer immunotherapy. Nature Reviews Cancer, 2019, 19, 568-586.	12.8	557
27	Thymus cell migration: Quantitative aspects of cellular traffic from the thymus to the periphery in mice. European Journal of Immunology, 1980, 10, 210-218.	1.6	551
28	Identification and isolation of a dermal lineage with intrinsic fibrogenic potential. Science, 2015, 348, aaa2151.	6.0	520
29	Anti-CD47 antibodyâ€“mediated phagocytosis of cancer by macrophages primes an effective antitumor T-cell response. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11103-11108.	3.3	518
30	B220: a B cell-specific member of the T200 glycoprotein family. Nature, 1981, 289, 681-683.	13.7	508
31	The CD47â€“SIRPÎ± pathway in cancer immune evasion and potential therapeutic implications. Current Opinion in Immunology, 2012, 24, 225-232.	2.4	507
32	Identification of a Hierarchy of Multipotent Hematopoietic Progenitors in Human Cord Blood. Cell Stem Cell, 2007, 1, 635-645.	5.2	485
33	Coronary arteries form by developmental reprogramming of venous cells. Nature, 2010, 464, 549-553.	13.7	476
34	CD47-blocking antibodies restore phagocytosis and prevent atherosclerosis. Nature, 2016, 536, 86-90.	13.7	443
35	Identification of the Human Skeletal Stem Cell. Cell, 2018, 175, 43-56.e21.	13.5	425
36	Engineered SIRPÎ± Variants as Immunotherapeutic Adjuvants to Anticancer Antibodies. Science, 2013, 341, 88-91.	6.0	401

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37	Endochondral ossification is required for haematopoietic stem-cell niche formation. Nature, 2009, 457, 490-494.	13.7	383
38	First-in-Human, First-in-Class Phase I Trial of the Anti-CD47 Antibody Hu5F9-G4 in Patients With Advanced Cancers. Journal of Clinical Oncology, 2019, 37, 946-953.	0.8	377
39	Quiescent Hematopoietic Stem Cells Accumulate DNA Damage during Aging that Is Repaired upon Entry into Cell Cycle. Cell Stem Cell, 2014, 15, 37-50.	5.2	373
40	Pre-Clinical Development of a Humanized Anti-CD47 Antibody with Anti-Cancer Therapeutic Potential. PLoS ONE, 2015, 10, e0137345.	1.1	373
41	Efficient Transplantation via Antibody-Based Clearance of Hematopoietic Stem Cell Niches. Science, 2007, 318, 1296-1299.	6.0	370
42	Engagement of MHC class I by the inhibitory receptor LILRB1 suppresses macrophages and is a target of cancer immunotherapy. Nature Immunology, 2018, 19, 76-84.	7.0	370
43	Mapping the Pairwise Choices Leading from Pluripotency to Human Bone, Heart, and Other Mesoderm Cell Types. Cell, 2016, 166, 451-467.	13.5	367
44	Single-cell analysis reveals T cell infiltration in old neurogenic niches. Nature, 2019, 571, 205-210.	13.7	351
45	Germ-layer and lineage-restricted stem/progenitors regenerate the mouse digit tip. Nature, 2011, 476, 409-413.	13.7	350
46	Cell-fate conversion of lymphoid-committed progenitors by instructive actions of cytokines. Nature, 2000, 407, 383-386.	13.7	348
47	"Fluorescent Timer": Protein That Changes Color with Time. , 2000, 290, 1585-1588.		347
48	Organ specificity of lymphocyte migration: mediation by highly selective lymphocyte interaction with organ-specific determinants on high endothelial venules. European Journal of Immunology, 1980, 10, 556-561.	1.6	344
49	Improving immuneâ€“vascular crosstalk for cancer immunotherapy. Nature Reviews Immunology, 2018, 18, 195-203.	10.6	340
50	CD47-blocking immunotherapies stimulate macrophage-mediated destruction of small-cell lung cancer. Journal of Clinical Investigation, 2016, 126, 2610-2620.	3.9	336
51	Non-equivalence of Wnt and R-spondin ligands during Lgr5+ intestinal stem-cell self-renewal. Nature, 2017, 545, 238-242.	13.7	327
52	Efficient Endoderm Induction from Human Pluripotent Stem Cells by Logically Directing Signals Controlling Lineage Bifurcations. Cell Stem Cell, 2014, 14, 237-252.	5.2	325
53	Therapeutic Antibody Targeting of CD47 Eliminates Human Acute Lymphoblastic Leukemia. Cancer Research, 2011, 71, 1374-1384.	0.4	318
54	Disrupting the CD47-SIRPÎ± anti-phagocytic axis by a humanized anti-CD47 antibody is an efficacious treatment for malignant pediatric brain tumors. Science Translational Medicine, 2017, 9, .	5.8	306

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55	An immunoglobulin heavy-chain gene is formed by at least two recombinational events. Nature, 1980, 283, 733-739.	13.7	305
56	The monoclonal antibody TER-119 recognizes a molecule associated with glycophorin A and specifically marks the late stages of murine erythroid lineage. British Journal of Haematology, 2000, 109, 280-287.	1.2	303
57	The Role of Apoptosis in the Regulation of Hematopoietic Stem Cells. Journal of Experimental Medicine, 2000, 191, 253-264.	4.2	300
58	Engineering high-affinity PD-1 variants for optimized immunotherapy and immuno-PET imaging. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6506-14.	3.3	299
59	The murine T-cell receptor uses a limited repertoire of expressed VÎ² gene segments. Nature, 1985, 316, 517-523.	13.7	294
60	THYMUS CELL MIGRATION. Journal of Experimental Medicine, 1967, 126, 291-304.	4.2	279
61	Hoxb5 marks long-term haematopoietic stem cells and reveals a homogenous perivascular niche. Nature, 2016, 530, 223-227.	13.7	275
62	Restoring metabolism of myeloid cells reverses cognitive decline in ageing. Nature, 2021, 590, 122-128.	13.7	264
63	Phenotypic and Functional Changes Induced at the Clonal Level in Hematopoietic Stem Cells After 5-Fluorouracil Treatment. Blood, 1997, 89, 3596-3606.	0.6	259
64	Breaking Down the Barriers to Precision Cancer Nanomedicine. Trends in Biotechnology, 2017, 35, 159-171.	4.9	254
65	Gene Expression Commons: An Open Platform for Absolute Gene Expression Profiling. PLoS ONE, 2012, 7, e40321.	1.1	227
66	Hematopoietic stem cell and progenitor cell mechanisms in myelodysplastic syndromes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3011-3016.	3.3	225
67	Macrophages are critical effectors of antibody therapies for cancer. MAbs, 2015, 7, 303-310.	2.6	223
68	Anti-SIRPÎ± antibody immunotherapy enhances neutrophil and macrophage antitumor activity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10578-E10585.	3.3	223
69	Anti-CD47 Treatment Stimulates Phagocytosis of Glioblastoma by M1 and M2 Polarized Macrophages and Promotes M1 Polarized Macrophages In Vivo. PLoS ONE, 2016, 11, e0153550.	1.1	221
70	Existing cardiomyocytes generate cardiomyocytes at a low rate after birth in mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8850-8855.	3.3	219
71	Macrophages as mediators of tumor immunosurveillance. Trends in Immunology, 2010, 31, 212-219.	2.9	215
72	Macrophages eat cancer cells using their own calreticulin as a guide: Roles of TLR and Btk. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2145-2150.	3.3	210

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73	Clonal Analysis of Mouse Development Reveals a Polyclonal Origin for Yolk Sac Blood Islands. Developmental Cell, 2006, 11, 519-533.	3.1	209
74	Programmed cell removal: a new obstacle in the road to developing cancer. Nature Reviews Cancer, 2012, 12, 58-67.	12.8	208
75	Epigenetic and in vivo comparison of diverse MSC sources reveals an endochondral signature for human hematopoietic niche formation. Blood, 2015, 125, 249-260.	0.6	201
76	InÂVivo Clonal Analysis Reveals Lineage-Restricted Progenitor Characteristics in Mammalian Kidney Development, Maintenance, and Regeneration. Cell Reports, 2014, 7, 1270-1283.	2.9	199
77	Articular cartilage regeneration by activated skeletal stem cells. Nature Medicine, 2020, 26, 1583-1592.	15.2	194
78	Single-cell analysis of early progenitor cells that build coronary arteries. Nature, 2018, 559, 356-362.	13.7	190
79	Tumor-Associated Macrophages Enhance Tumor Hypoxia and Aerobic Glycolysis. Cancer Research, 2019, 79, 795-806.	0.4	188
80	Therapeutic Targeting of the Macrophage Immune Checkpoint CD47 in Myeloid Malignancies. Frontiers in Oncology, 2019, 9, 1380.	1.3	187
81	Microglia are effector cells of CD47-SIRPÎ± antiphagocytic axis disruption against glioblastoma. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 997-1006.	3.3	183
82	Identification of the earliest natural killer cellâ€“committed progenitor in murine bone marrow. Blood, 2011, 118, 5439-5447.	0.6	178
83	The Role of Efferocytosis in Atherosclerosis. Circulation, 2017, 135, 476-489.	1.6	173
84	Pro-efferocytic nanoparticles are specifically taken up by lesional macrophages and prevent atherosclerosis. Nature Nanotechnology, 2020, 15, 154-161.	15.6	173
85	A CD47-associated super-enhancer links pro-inflammatory signalling to CD47 upregulation in breast cancer. Nature Communications, 2017, 8, 14802.	5.8	168
86	Molecular Pathways: Activating T Cells after Cancer Cell Phagocytosis from Blockade of CD47 â€œDon't Eat Meâ€•Signals. Clinical Cancer Research, 2015, 21, 3597-3601.	3.2	167
87	Pericytes are progenitors for coronary artery smooth muscle. ELife, 2015, 4, .	2.8	162
88	Identification and prospective isolation of a mesothelial precursor lineage giving rise to smooth muscle cells and fibroblasts for mammalian internal organs, and their vasculature. Nature Cell Biology, 2012, 14, 1251-1260.	4.6	158
89	Unifying mechanism for different fibrotic diseases. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4757-4762.	3.3	155
90	Transplantation of highly purified CD34+Thy-1+ hematopoietic stem cells in patients with metastatic breast cancer. Biology of Blood and Marrow Transplantation, 2000, 6, 262-271.	2.0	152

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91	Systemic and mucosal IgA responses are variably induced in response to SARS-CoV-2 mRNA vaccination and are associated with protection against subsequent infection. Mucosal Immunology, 2022, 15, 799-808.	2.7	152
92	Clonal Tracking of Rhesus Macaque Hematopoiesis Highlights a Distinct Lineage Origin for Natural Killer Cells. Cell Stem Cell, 2014, 14, 486-499.	5.2	149
93	A Roadmap for Human Liver Differentiation from Pluripotent Stem Cells. Cell Reports, 2018, 22, 2190-2205.	2.9	145
94	Aged skeletal stem cells generate an inflammatory degenerative niche. Nature, 2021, 597, 256-262.	13.7	143
95	Hematopoietic cells maintain hematopoietic fates upon entering the brain. Journal of Experimental Medicine, 2005, 201, 1579-1589.	4.2	141
96	Hematopoietic stem cell transplantation in immunocompetent hosts without radiation or chemotherapy. Science Translational Medicine, 2016, 8, 351ra105.	5.8	140
97	Regenerating the field of cardiovascular cell therapy. Nature Biotechnology, 2019, 37, 232-237.	9.4	140
98	Stem Cells â€" Scientific, Medical, and Political Issues. New England Journal of Medicine, 2002, 346, 1576-1579.	13.9	138
99	Tuning Cytokine Receptor Signaling by Re-orienting Dimer Geometry with Surrogate Ligands. Cell, 2015, 160, 1196-1208.	13.5	138
100	Stem Cell Research. JAMA - Journal of the American Medical Association, 2005, 294, 1359.	3.8	136
101	Identification of phagocytosis regulators using magnetic genome-wide CRISPR screens. Nature Genetics, 2018, 50, 1716-1727.	9.4	135
102	Bone marrow cells give rise to distinct cell clones within the thymus. Nature, 1984, 309, 629-631.	13.7	134
103	Purified Allogeneic Hematopoietic Stem Cell Transplantation Blocks Diabetes Pathogenesis in NOD Mice. Diabetes, 2003, 52, 59-68.	0.3	129
104	Endoscopic molecular imaging of human bladder cancer using a CD47 antibody. Science Translational Medicine, 2014, 6, 260ra148.	5.8	124
105	Role of interleukin-7 in T-cell development from hematopoietic stem cells. Immunological Reviews, 1998, 165, 13-28.	2.8	121
106	Immune Priming of the Tumor Microenvironment by Radiation. Trends in Cancer, 2016, 2, 638-645.	3.8	120
107	Clonal precursor of bone, cartilage, and hematopoietic niche stromal cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12643-12648.	3.3	116
108	Programmed cell removal by calreticulin in tissue homeostasis and cancer. Nature Communications, 2018, 9, 3194.	5.8	114

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109	Allorecognition Histocompatibility in a Protochordate Species: Is the Relationship to MHC Somatic or Structural?. Immunological Reviews, 1990, 113, 227-241.	2.8	107
110	Bcl-2 Cooperates with Promyelocytic Leukemia Retinoic Acid Receptor Î± Chimeric Protein (PmlrarÎ±) to Block Neutrophil Differentiation and Initiate Acute Leukemia. Journal of Experimental Medicine, 2001, 193, 531-544.	4.2	105
111	Anti-GD2 synergizes with CD47 blockade to mediate tumor eradication. Nature Medicine, 2022, 28, 333-344.	15.2	105
112	Practical Immuno-PET Radiotracer Design Considerations for Human Immune Checkpoint Imaging. Journal of Nuclear Medicine, 2017, 58, 538-546.	2.8	102
113	Characterization of a Population of Cells in the Bone Marrow that Phenotypically Mimics Hematopoietic Stem Cells: Resting Stem Cells or Mystery Population?. Stem Cells, 1998, 16, 38-48.	1.4	101
114	Integrin Molecules Involved in Lymphocyte Homing to Peyer's Patches. Immunological Reviews, 1989, 108, 45-61.	2.8	100
115	Inter-cellular CRISPR screens reveal regulators of cancer cell phagocytosis. Nature, 2021, 597, 549-554.	13.7	95
116	Identification and characterization of an injury-induced skeletal progenitor. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9920-9925.	3.3	93
117	Inhibition of Apoptosis Overcomes Stage-Related Compatibility Barriers to Chimera Formation in Mouse Embryos. Cell Stem Cell, 2016, 19, 587-592.	5.2	92
118	Where Hematopoietic Stem Cells Live: The Bone Marrow Niche. Antioxidants and Redox Signaling, 2018, 29, 191-204.	2.5	92
119	Transcriptional activation of hypoxia-inducible factor-1 (HIF-1) in myeloid cells promotes angiogenesis through VEGF and S100A8. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2698-2703.	3.3	90
120	Age-associated changes in human hematopoietic stem cells. Seminars in Hematology, 2017, 54, 39-42.	1.8	89
121	A morphological and immunohistochemical study of programmed cell death in Botryllus schlosseri (Tunicata, Ascidiacea). Cell and Tissue Research, 1993, 272, 115-127.	1.5	86
122	Reactivation of the pluripotency program precedes formation of the cranial neural crest. Science, 2021, 371, .	6.0	84
123	CD14-expressing cancer cells establish the inflammatory and proliferative tumor microenvironment in bladder cancer. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4725-4730.	3.3	83
124	Clonally expanding smooth muscle cells promote atherosclerosis by escaping efferocytosis and activating the complement cascade. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15818-15826.	3.3	83
125	Granzyme A and perforin as markers for rejection in cardiac transplantation. European Journal of Immunology, 1991, 21, 687-692.	1.6	82
126	Murine leukaemogenesis: monoclonal antibodies to T-cell determinants arrest T-lymphoma cell proliferation. Nature, 1980, 285, 259-261.	13.7	80

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127	Pharmacological rescue of diabetic skeletal stem cell niches. Science Translational Medicine, 2017, 9, .	5.8	80
128	Global analysis of shared TÂcell specificities in human non-small cell lung cancer enables HLA inference and antigen discovery. Immunity, 2021, 54, 586-602.e8.	6.6	80
129	â€œVelcroâ€•Engineering of High Affinity CD47 Ectodomain as Signal Regulatory Protein Î± (SIRPÎ±) Antagonists That Enhance Antibody-dependent Cellular Phagocytosis. Journal of Biological Chemistry, 2015, 290, 12650-12663.	1.6	75
130	Prospective isolation of human erythroid lineage-committed progenitors. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9638-9643.	3.3	74
131	De novo mutations in mitochondrial DNA of iPSCs produce immunogenic neoepitopes in mice and humans. Nature Biotechnology, 2019, 37, 1137-1144.	9.4	74
132	Identification of tumorigenic cells and therapeutic targets in pancreatic neuroendocrine tumors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4464-4469.	3.3	70
133	Decoupling the Functional Pleiotropy of Stem Cell Factor by Tuning c-Kit Signaling. Cell, 2017, 168, 1041-1052.e18.	13.5	70
134	Surgical adhesions in mice are derived from mesothelial cells and can be targeted by antibodies against mesothelial markers. Science Translational Medicine, 2018, 10, .	5.8	70
135	CD47-Targeted Near-Infrared Photoimmunotherapy for Human Bladder Cancer. Clinical Cancer Research, 2019, 25, 3561-3571.	3.2	70
136	Clonal-level lineage commitment pathways of hematopoietic stem cells in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1447-1456.	3.3	68
137	Computational correction of index switching in multiplexed sequencing libraries. Nature Methods, 2018, 15, 305-307.	9.0	67
138	Combining CD47 blockade with trastuzumab eliminates HER2-positive breast cancer cells and overcomes trastuzumab tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	67
139	In vitro development of B cells and macrophages from early mouse fetal thymocytes. European Journal of Immunology, 1994, 24, 781-784.	1.6	65
140	Allorecognition in colonial tunicates: protection against predatory cell lineages?. Immunological Reviews, 1999, 167, 69-79.	2.8	64
141	Lyt markers on thymus cell migrants. Nature, 1978, 276, 79-80.	13.7	62
142	TOLERANCE OF ALLOGENEIC HEART GRAFTS IN MICE SIMULTANEOUSLY RECONSTITUTED WITH PURIFIED ALLOGENEIC HEMATOPOIETIC STEM CELLS1. Transplantation, 1998, 65, 295-304.	0.5	62
143	Stem cells are units of natural selection for tissue formation, for germline development, and in cancer development. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8922-8928.	3.3	60
144	Complex mammalian-like haematopoietic system found in a colonial chordate. Nature, 2018, 564, 425-429.	13.7	60

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145	Isolation and functional assessment of mouse skeletal stem cell lineage. Nature Protocols, 2018, 13, 1294-1309.	5.5	60
146	Learning from Host-Defense Peptides: Cationic, Amphipathic Peptoids with Potent Anticancer Activity. PLoS ONE, 2014, 9, e90397.	1.1	60
147	Myeloid Cell Origins, Differentiation, and Clinical Implications. Microbiology Spectrum, 2016, 4, .	1.2	59
148	The road ended up at stem cells. Immunological Reviews, 2002, 185, 159-174.	2.8	58
149	LYVE1 Marks the Divergence of Yolk Sac Definitive Hemogenic Endothelium from the Primitive Erythroid Lineage. Cell Reports, 2016, 17, 2286-2298.	2.9	57
150	Antibody Therapy Targeting CD47 and CD271 Effectively Suppresses Melanoma Metastasis in Patient-Derived Xenografts. Cell Reports, 2016, 16, 1701-1716.	2.9	56
151	Dendritic Cell Development from Common Myeloid Progenitors. Annals of the New York Academy of Sciences, 2001, 938, 167-174.	1.8	55
152	Identification of Multipotent Progenitors that Emerge Prior to Hematopoietic Stem Cells in Embryonic Development. Stem Cell Reports, 2014, 2, 457-472.	2.3	55
153	Delivery of monocyte lineage cells in a biomimetic scaffold enhances tissue repair. JCI Insight, 2017, 2, .	2.3	55
154	An Alternate Pathway for T Cell Development Supported by the Bone Marrow Microenvironment: Recapitulation of Thymic Maturation. Journal of Experimental Medicine, 1998, 187, 1813-1823.	4.2	53
155	SCNT-Derived ESCs with Mismatched Mitochondria Trigger an Immune Response in Allogeneic Hosts. Cell Stem Cell, 2015, 16, 33-38.	5.2	52
156	Combination Treatment with 5F9 and Azacitidine Enhances Phagocytic Elimination of Acute Myeloid Leukemia. Blood, 2018, 132, 2729-2729.	0.6	52
157	Homing receptor-bearing thymocytes, an immunocompetent cortical subpopulation. Nature, 1985, 313, 233-235.	13.7	51
158	Mapping the Genome of a Model Protochordate. I. A Low Resolution Genetic Map Encompassing the Fusion/Histocompatibility (Fu/HC) Locus of Botryllus schlosseri. Genetics, 1998, 149, 277-287.	1.2	50
159	Discriminating cellular heterogeneity using microwell-based RNA cytometry. Nature Communications, 2014, 5, 3451.	5.8	49
160	Surgical debulking promotes recruitment of macrophages and triggers glioblastoma phagocytosis in combination with CD47 blocking immunotherapy. Oncotarget, 2017, 8, 12145-12157.	0.8	48
161	An atlas of transcriptional, chromatin accessibility, and surface marker changes in human mesoderm development. Scientific Data, 2016, 3, 160109.	2.4	47
162	Evidence of continuous evolutionary change in structures mediating adherence of lymphocytes to specialised venules. Nature, 1979, 280, 496-498.	13.7	46

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163	Localization of lymphocyte subpopulations in peripheral lymphoid organs: Directed lymphocyte migration and segregation into specific microenvironments. American Journal of Anatomy, 1984, 170, 391-405.	0.9	46
164	Expression of granzyme a in salivary gland biopsies from patients with primary sjÃ¶gren's syndrome. Arthritis and Rheumatism, 1994, 37, 1046-1054.	6.7	46
165	Long-Term Outcome of Patients with Metastatic Breast Cancer Treated with High-Dose Chemotherapy and Transplantation of Purified Autologous Hematopoietic Stem Cells. Biology of Blood and Marrow Transplantation, 2012, 18, 125-133.	2.0	46
166	Eradication of Canine Diffuse Large B-Cell Lymphoma in a Murine Xenograft Model with CD47 Blockade and Anti-CD20. Cancer Immunology Research, 2016, 4, 1072-1087.	1.6	46
167	Antibody Conditioning Enables MHC-Mismatched Hematopoietic Stem Cell Transplants and Organ Graft Tolerance. Cell Stem Cell, 2019, 25, 185-192.e3.	5.2	46
168	A functional subset of CD8+ T cells during chronic exhaustion is defined by SIRPÎ± expression. Nature Communications, 2019, 10, 794.	5.8	46
169	In utero depletion of fetal hematopoietic stem cells improves engraftment after neonatal transplantation in mice. Blood, 2014, 124, 973-980.	0.6	44
170	Hypoxia-inducible factor-1Î± regulates microglial functions affecting neuronal survival in the acute phase of ischemic stroke in mice. Oncotarget, 2017, 8, 111508-111521.	0.8	43
171	Hematopoietic stem cell-independent hematopoiesis and the origins of innate-like B lymphocytes. Development (Cambridge), 2019, 146, .	1.2	43
172	Adult stem cells and regenerative medicineâ€"a symposium report. Annals of the New York Academy of Sciences, 2020, 1462, 27-36.	1.8	43
173	Vâ€"J joining of immunoglobulin Îº genes only occurs on one homologous chromosome. Nature, 1980, 284, 179-181.	13.7	42
174	Botryllus schlosseri, an emerging model for the study of aging, stem cells, and mechanisms of regeneration. Invertebrate Reproduction and Development, 2015, 59, 33-38.	0.3	42
175	Effects of Ultra-high doserate FLASH Irradiation on the Tumor Microenvironment in Lewis Lung Carcinoma: Role of Myosin Light Chain. International Journal of Radiation Oncology Biology Physics, 2021, 109, 1440-1453.	0.4	42
176	Targeting macrophage checkpoint inhibitor SIRPÎ± for anticancer therapy. JCI Insight, 2020, 5, .	2.3	40
177	Separation and labeling of specific subpopulations ofBotryllus blood cells. The Journal of Experimental Zoology, 1984, 229, 401-411.	1.4	39
178	Dysregulated integrin Î±VÎ²3 and CD47 signaling promotes joint inflammation, cartilage breakdown, and progression of osteoarthritis. JCI Insight, 2019, 4, .	2.3	39
179	Distinct skeletal stem cell types orchestrate long bone skeletogenesis. ELife, 2021, 10, .	2.8	38
180	Normal and Neoplastic Stem Cells. Novartis Foundation Symposium, 2008, , 35-54.	1.2	37

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181	Antigen-induced changes in B cell subsets in lymph nodes: analysis by dual fluorescence flow cytofluorometry. European Journal of Immunology, 1986, 16, 829-834.	1.6	36
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