

Irving L Weissman

List of Publications by Year in descending order

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Version: 2024-02-01

302
papers

62,626
citations

1614

105
h-index

932

240
g-index

313
all docs

313
docs citations

313
times ranked

60322
citing authors

#	ARTICLE	IF	CITATIONS
1	CD47 expression attenuates Ebola virus-induced immunopathology in mice. <i>Antiviral Research</i> , 2022, 197, 105226.	4.1	2
2	CD47-targeted therapeutics: status and prospects. <i>Immuno-Oncology Technology</i> , 2022, 13, 100070.	0.3	36
3	Anti-GD2 synergizes with CD47 blockade to mediate tumor eradication. <i>Nature Medicine</i> , 2022, 28, 333-344.	30.7	105
4	PNP Hydrogel Prevents Formation of Symbblephara in Mice After Ocular Alkali Injury. <i>Translational Vision Science and Technology</i> , 2022, 11, 31.	2.2	2
5	CD47 Blockade Leads to Chemokine-Dependent Monocyte Infiltration and Loss of B Cells from the Splenic Marginal Zone. <i>Journal of Immunology</i> , 2022, 208, 1371-1377.	0.8	1
6	The pleiotropic benefits of statins include the ability to reduce CD47 and amplify the effect of pro-efferocytic therapies in atherosclerosis. , 2022, 1, 253-262.		22
7	2021 Jeffrey M. Hoeg Award Lecture: Defining the Role of Efferocytosis in Cardiovascular Disease: A Focus on the CD47 (Cluster of Differentiation 47) Axis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 101161ATVBHA122317049.	2.4	5
8	Systemic and mucosal IgA responses are variably induced in response to SARS-CoV-2 mRNA vaccination and are associated with protection against subsequent infection. <i>Mucosal Immunology</i> , 2022, 15, 799-808.	6.0	152
9	Adversarial domain translation networks for integrating large-scale atlas-level single-cell datasets. <i>Nature Computational Science</i> , 2022, 2, 317-330.	8.0	13
10	Impact of magrolimab treatment in combination with azacitidine on red blood cells in patients with higher-risk myelodysplastic syndrome (HR-MDS).. <i>Journal of Clinical Oncology</i> , 2022, 40, 7054-7054.	1.6	3
11	Two distinct evolutionary conserved neural degeneration pathways characterized in a colonial chordate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	10
12	Effects of Ultra-high dose-rate FLASH Irradiation on the Tumor Microenvironment in Lewis Lung Carcinoma: Role of Myosin Light Chain. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 1440-1453.	0.8	42
13	Wounds Inhibit Tumor Growth In Vivo. <i>Annals of Surgery</i> , 2021, 273, 173-180.	4.2	6
14	Restoring metabolism of myeloid cells reverses cognitive decline in ageing. <i>Nature</i> , 2021, 590, 122-128.	27.8	264
15	Hoxb5 defines the heterogeneity of self-renewal capacity in the hematopoietic stem cell compartment. <i>Biochemical and Biophysical Research Communications</i> , 2021, 539, 34-41.	2.1	13
16	Reactivation of the pluripotency program precedes formation of the cranial neural crest. <i>Science</i> , 2021, 371, .	12.6	84
17	CD47 blockade reduces the pathologic features of experimental cerebral malaria and promotes survival of hosts with <i>Plasmodium</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	7
18	Global analysis of shared T cell specificities in human non-small cell lung cancer enables HLA inference and antigen discovery. <i>Immunity</i> , 2021, 54, 586-602.e8.	14.3	80

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19	Overexpression of CD47 is associated with brain overgrowth and 16p11.2 deletion syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
20	Distinct skeletal stem cell types orchestrate long bone skeletogenesis. ELife, 2021, 10, .	6.0	38
21	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, .	7.1	67
22	Absence of CD11a Expression Identifies Embryonic Hematopoietic Stem Cell Precursors via Competitive Neonatal Transplantation Assay. Frontiers in Cell and Developmental Biology, 2021, 9, 734176.	3.7	0
23	Aged skeletal stem cells generate an inflammatory degenerative niche. Nature, 2021, 597, 256-262.	27.8	143
24	Inter-cellular CRISPR screens reveal regulators of cancer cell phagocytosis. Nature, 2021, 597, 549-554.	27.8	95
25	A Clinical PET Imaging Tracer ([18F]DASA-23) to Monitor Pyruvate Kinase M2â€“Induced Glycolytic Reprogramming in Glioblastoma. Clinical Cancer Research, 2021, 27, 6467-6478.	7.0	9
26	Epidermal-Derived Hedgehog Signaling Drives Mesenchymal Proliferation during Digit Tip Regeneration. Journal of Clinical Medicine, 2021, 10, 4261.	2.4	1
27	Sexual and asexual development: two distinct programs producing the same tunicate. Cell Reports, 2021, 34, 108681.	6.4	25
28	Safe and Effective <i>In Vivo</i> Targeting and Gene Editing in Hematopoietic Stem Cells: Strategies for Accelerating Development. Human Gene Therapy, 2021, 32, 31-42.	2.7	15
29	JSP191 As a Single-Agent Conditioning Regimen Results in Successful Engraftment, Donor Myeloid Chimerism, and Production of Donor Derived Naïve Lymphocytes in Patients with Severe Combined Immunodeficiency (SCID). Blood, 2021, 138, 554-554.	1.4	5
30	Cancer stem cells: advances in biology and clinical translationâ€”a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 142-163.	3.8	8
31	Coronary blood vessels from distinct origins converge to equivalent states during mouse and human development. ELife, 2021, 10, .	6.0	15
32	<i>RUNX3</i> levels in human hematopoietic progenitors are regulated by aging and dictate erythroid-myeloid balance. Haematologica, 2020, 105, 905-913.	3.5	14
33	Irradiation or temozolomide chemotherapy enhances anti-CD47 treatment of glioblastoma. Innate Immunity, 2020, 26, 130-137.	2.4	29
34	Adult stem cells and regenerative medicineâ€”a symposium report. Annals of the New York Academy of Sciences, 2020, 1462, 27-36.	3.8	43
35	A single-cell transcriptomic atlas characterizes ageing tissues in the mouse. Nature, 2020, 583, 590-595.	27.8	683
36	A molecular cell atlas of the human lung from single-cell RNA sequencing. Nature, 2020, 587, 619-625.	27.8	963

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37	Articular cartilage regeneration by activated skeletal stem cells. <i>Nature Medicine</i> , 2020, 26, 1583-1592.	30.7	194
38	Semaphorin 3A mediated brain tumor stem cell proliferation and invasion in EGFRviii mutant gliomas. <i>BMC Cancer</i> , 2020, 20, 1213.	2.6	17
39	Clonally expanding smooth muscle cells promote atherosclerosis by escaping efferocytosis and activating the complement cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15818-15826.	7.1	83
40	Upregulation of CD47 Is a Host Checkpoint Response to Pathogen Recognition. <i>MBio</i> , 2020, 11, .	4.1	29
41	Heme oxygenase-1 deficiency triggers exhaustion of hematopoietic stem cells. <i>EMBO Reports</i> , 2020, 21, e47895.	4.5	19
42	Evolutionary perspective on the hematopoietic system through a colonial chordate: allogeneic immunity and hematopoiesis. <i>Current Opinion in Immunology</i> , 2020, 62, 91-98.	5.5	12
43	Pro-efferocytic nanoparticles are specifically taken up by lesional macrophages and prevent atherosclerosis. <i>Nature Nanotechnology</i> , 2020, 15, 154-161.	31.5	173
44	Immunotherapeutic Blockade of CD47 Inhibitory Signaling Enhances Innate and Adaptive Immune Responses to Viral Infection. <i>Cell Reports</i> , 2020, 31, 107494.	6.4	31
45	Evolutionarily conserved resistance to phagocytosis observed in melanoma cells is insensitive to upregulation of pro-phagocytic signals and to CD47 blockade. <i>Melanoma Research</i> , 2020, 30, 147-158.	1.2	12
46	Targeting macrophage checkpoint inhibitor SIRP1 for anticancer therapy. <i>JCI Insight</i> , 2020, 5, .	5.0	40
47	Proteomic analysis of young and old mouse hematopoietic stem cells and their progenitors reveals post-transcriptional regulation in stem cells. <i>ELife</i> , 2020, 9, .	6.0	21
48	De novo mutations in mitochondrial DNA of iPSCs produce immunogenic neoepitopes in mice and humans. <i>Nature Biotechnology</i> , 2019, 37, 1137-1144.	17.5	74
49	Hematopoietic stem cell-independent hematopoiesis and the origins of innate-like B lymphocytes. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	43
50	CD24 signalling through macrophage Siglec-10 is a target for cancer immunotherapy. <i>Nature</i> , 2019, 572, 392-396.	27.8	744
51	Single-cell analysis reveals T cell infiltration in old neurogenic niches. <i>Nature</i> , 2019, 571, 205-210.	27.8	351
52	Phagocytosis checkpoints as new targets for cancer immunotherapy. <i>Nature Reviews Cancer</i> , 2019, 19, 568-586.	28.4	557
53	The GABA receptor GABRR1 is expressed on and functional in hematopoietic stem cells and megakaryocyte progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18416-18422.	7.1	28
54	Stability of a Flexible Rotor-Bearing System with a Transverse Crack. <i>Mechanisms and Machine Science</i> , 2019, , 3363-3373.	0.5	0

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55	Antibody Conditioning Enables MHC-Mismatched Hematopoietic Stem Cell Transplants and Organ Graft Tolerance. <i>Cell Stem Cell</i> , 2019, 25, 185-192.e3.	11.1	46
56	CD47-Targeted Near-Infrared Photoimmunotherapy for Human Bladder Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 3561-3571.	7.0	70
57	First-in-Human, First-in-Class Phase I Trial of the Anti-CD47 Antibody Hu5F9-G4 in Patients With Advanced Cancers. <i>Journal of Clinical Oncology</i> , 2019, 37, 946-953.	1.6	377
58	Regenerating the field of cardiovascular cell therapy. <i>Nature Biotechnology</i> , 2019, 37, 232-237.	17.5	140
59	A functional subset of CD8+ T cells during chronic exhaustion is defined by SIRPÎ± expression. <i>Nature Communications</i> , 2019, 10, 794.	12.8	46
60	Neutrophil and monocyte kinetics play critical roles in mouse peritoneal adhesion formation. <i>Blood Advances</i> , 2019, 3, 2713-2721.	5.2	25
61	The Ban on US Government Funding Research Using Human Fetal Tissues: How Does This Fit with the NIH Mission to Advance Medical Science for the Benefit of the Citizenry?. <i>Stem Cell Reports</i> , 2019, 13, 777-786.	4.8	23
62	Neogenin-1 distinguishes between myeloid-biased and balanced <i>Hoxb5</i> ⁺ mouse long-term hematopoietic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25115-25125.	7.1	26
63	Microglia are effector cells of CD47-SIRPÎ± antiphagocytic axis disruption against glioblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 997-1006.	7.1	183
64	Tumor-Associated Macrophages Enhance Tumor Hypoxia and Aerobic Glycolysis. <i>Cancer Research</i> , 2019, 79, 795-806.	0.9	188
65	Clonal-level lineage commitment pathways of hematopoietic stem cells in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1447-1456.	7.1	68
66	Therapeutic Targeting of the Macrophage Immune Checkpoint CD47 in Myeloid Malignancies. <i>Frontiers in Oncology</i> , 2019, 9, 1380.	2.8	187
67	Dysregulated integrin Î±23 and CD47 signaling promotes joint inflammation, cartilage breakdown, and progression of osteoarthritis. <i>JCI Insight</i> , 2019, 4, .	5.0	39
68	A Roadmap for Human Liver Differentiation from Pluripotent Stem Cells. <i>Cell Reports</i> , 2018, 22, 2190-2205.	6.4	145
69	Improving immune-vascular crosstalk for cancer immunotherapy. <i>Nature Reviews Immunology</i> , 2018, 18, 195-203.	22.7	340
70	Computational correction of index switching in multiplexed sequencing libraries. <i>Nature Methods</i> , 2018, 15, 305-307.	19.0	67
71	Where Hematopoietic Stem Cells Live: The Bone Marrow Niche. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 191-204.	5.4	92
72	Surgical adhesions in mice are derived from mesothelial cells and can be targeted by antibodies against mesothelial markers. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	70

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73	Identification of phagocytosis regulators using magnetic genome-wide CRISPR screens. <i>Nature Genetics</i> , 2018, 50, 1716-1727.	21.4	135
74	Complex mammalian-like haematopoietic system found in a colonial chordate. <i>Nature</i> , 2018, 564, 425-429.	27.8	60
75	Notch1 regulates the initiation of metastasis and self-renewal of Group 3 medulloblastoma. <i>Nature Communications</i> , 2018, 9, 4121.	12.8	36
76	CD47 Blockade by Hu5F9-G4 and Rituximab in Non-Hodgkin's Lymphoma. <i>New England Journal of Medicine</i> , 2018, 379, 1711-1721.	27.0	796
77	Identification of the Human Skeletal Stem Cell. <i>Cell</i> , 2018, 175, 43-56.e21.	28.9	425
78	Hypoxia-inducible factor-1 (HIF-1) activation in myeloid cells accelerates DSS-induced colitis progression in mice. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	28
79	Single-cell analysis of early progenitor cells that build coronary arteries. <i>Nature</i> , 2018, 559, 356-362.	27.8	190
80	Isolation and functional assessment of mouse skeletal stem cell lineage. <i>Nature Protocols</i> , 2018, 13, 1294-1309.	12.0	60
81	Programmed cell removal by calreticulin in tissue homeostasis and cancer. <i>Nature Communications</i> , 2018, 9, 3194.	12.8	114
82	Screening for genes that regulate the differentiation of human megakaryocytic lineage cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9308-E9316.	7.1	22
83	Partial Lobular Hepatectomy: A Surgical Model for Morphologic Liver Regeneration. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	1
84	Engagement of MHC class I by the inhibitory receptor LILRB1 suppresses macrophages and is a target of cancer immunotherapy. <i>Nature Immunology</i> , 2018, 19, 76-84.	14.5	370
85	RBC-Specific CD47 Pruning Confers Protection and Underlies the Transient Anemia in Patients Treated with Anti-CD47 Antibody 5F9. <i>Blood</i> , 2018, 132, 2327-2327.	1.4	13
86	Combination Treatment with 5F9 and Azacitidine Enhances Phagocytic Elimination of Acute Myeloid Leukemia. <i>Blood</i> , 2018, 132, 2729-2729.	1.4	52
87	A first-in-class, first-in-human phase 1 pharmacokinetic (PK) and pharmacodynamic (PD) study of Hu5F9-G4, an anti-CD47 monoclonal antibody (mAb), in patients with advanced solid tumors. <i>Journal of Clinical Oncology</i> , 2018, 36, 3002-3002.	1.6	13
88	The Role of Efferocytosis in Atherosclerosis. <i>Circulation</i> , 2017, 135, 476-489.	1.6	173
89	Pharmacological rescue of diabetic skeletal stem cell niches. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	80
90	Clonal reversal of ageing-associated stem cell lineage bias via a pluripotent intermediate. <i>Nature Communications</i> , 2017, 8, 14533.	12.8	36

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91	Decoupling the Functional Pleiotropy of Stem Cell Factor by Tuning c-Kit Signaling. <i>Cell</i> , 2017, 168, 1041-1052.e18.	28.9	70
92	Unifying mechanism for different fibrotic diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4757-4762.	7.1	155
93	Identification of mouse cochlear progenitors that develop hair and supporting cells in the organ of Corti. <i>Nature Communications</i> , 2017, 8, 15046.	12.8	34
94	Non-equivalence of Wnt and R-spondin ligands during Lgr5+ intestinal stem-cell self-renewal. <i>Nature</i> , 2017, 545, 238-242.	27.8	327
95	PD-1 expression by tumour-associated macrophages inhibits phagocytosis and tumour immunity. <i>Nature</i> , 2017, 545, 495-499.	27.8	1,489
96	Brief Report: External Beam Radiation Therapy for the Treatment of Human Pluripotent Stem Cell-Derived Teratomas. <i>Stem Cells</i> , 2017, 35, 1994-2000.	3.2	12
97	Localized hepatic lobular regeneration by central-vein-associated lineage-restricted progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3654-3659.	7.1	8
98	A CD47-associated super-enhancer links pro-inflammatory signalling to CD47 upregulation in breast cancer. <i>Nature Communications</i> , 2017, 8, 14802.	12.8	168
99	Disrupting the CD47-SIRP α anti-phagocytic axis by a humanized anti-CD47 antibody is an efficacious treatment for malignant pediatric brain tumors. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	306
100	Practical Immuno-PET Radiotracer Design Considerations for Human Immune Checkpoint Imaging. <i>Journal of Nuclear Medicine</i> , 2017, 58, 538-546.	5.0	102
101	IMMU-18. HUMANIZED ANTI-CD47 ANTIBODY COMBINED WITH AN AGONIST ANTI-CD40 ANTIBODY IS AN EFFECTIVE TREATMENT FOR DIPG XENOGRAFTS WITH CRANIOSPINAL DISSEMINATION. <i>Neuro-Oncology</i> , 2017, 19, iv31-iv31.	1.2	2
102	Anti-SIRP α antibody immunotherapy enhances neutrophil and macrophage antitumor activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10578-E10585.	7.1	223
103	Age-associated changes in human hematopoietic stem cells. <i>Seminars in Hematology</i> , 2017, 54, 39-42.	3.4	89
104	Breaking Down the Barriers to Precision Cancer Nanomedicine. <i>Trends in Biotechnology</i> , 2017, 35, 159-171.	9.3	254
105	Surgical debulking promotes recruitment of macrophages and triggers glioblastoma phagocytosis in combination with CD47 blocking immunotherapy. <i>Oncotarget</i> , 2017, 8, 12145-12157.	1.8	48
106	Hypoxia-inducible factor-1 α regulates microglial functions affecting neuronal survival in the acute phase of ischemic stroke in mice. <i>Oncotarget</i> , 2017, 8, 111508-111521.	1.8	43
107	Delivery of monocyte lineage cells in a biomimetic scaffold enhances tissue repair. <i>JCI Insight</i> , 2017, 2, .	5.0	55
108	CD47-blocking immunotherapies stimulate macrophage-mediated destruction of small-cell lung cancer. <i>Journal of Clinical Investigation</i> , 2016, 126, 2610-2620.	8.2	336

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109	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.	2.5	221
110	Normal and Neoplastic Stem Cells. Cold Spring Harbor Symposia on Quantitative Biology, 2016, 81, 1-9.	1.1	11
111	An atlas of transcriptional, chromatin accessibility, and surface marker changes in human mesoderm development. Scientific Data, 2016, 3, 160109.	5.3	47
112	Immune Priming of the Tumor Microenvironment by Radiation. Trends in Cancer, 2016, 2, 638-645.	7.4	120
113	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.	7.1	70
114	Developmental cell death programs license cytotoxic cells to eliminate histocompatible partners. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6520-6525.	7.1	21
115	Antibody Therapy Targeting CD47 and CD271 Effectively Suppresses Melanoma Metastasis in Patient-Derived Xenografts. Cell Reports, 2016, 16, 1701-1716.	6.4	56
116	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.	3.4	46
117	Myeloid Cell Origins, Differentiation, and Clinical Implications. Microbiology Spectrum, 2016, 4, .	3.0	59
118	LYVE1 Marks the Divergence of Yolk Sac Definitive Hemogenic Endothelium from the Primitive Erythroid Lineage. Cell Reports, 2016, 17, 2286-2298.	6.4	57
119	CD47-blocking antibodies restore phagocytosis and prevent atherosclerosis. Nature, 2016, 536, 86-90.	27.8	443
120	Mapping the Pairwise Choices Leading from Pluripotency to Human Bone, Heart, and Other Mesoderm Cell Types. Cell, 2016, 166, 451-467.	28.9	367
121	Hematopoietic stem cell transplantation in immunocompetent hosts without radiation or chemotherapy. Science Translational Medicine, 2016, 8, 351ra105.	12.4	140
122	Inhibition of Apoptosis Overcomes Stage-Related Compatibility Barriers to Chimera Formation in Mouse Embryos. Cell Stem Cell, 2016, 19, 587-592.	11.1	92
123	How One Thing Led to Another. Annual Review of Immunology, 2016, 34, 1-30.	21.8	16
124	Dynamic Patterns of Clonal Evolution in Tumor Vasculature Underlie Alterations in Lymphocyte-Endothelial Recognition to Foster Tumor Immune Escape. Cancer Research, 2016, 76, 1348-1353.	0.9	23
125	Hoxb5 marks long-term haematopoietic stem cells and reveals a homogenous perivascular niche. Nature, 2016, 530, 223-227.	27.8	275
126	A Mechanism for Somatic Brain Mosaicism. Cell, 2016, 164, 593-595.	28.9	24

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127	Surveillance of Stem Cell Fate and Function: A System for Assessing Cell Survival and Collagen Expression <i>in Situ</i> . <i>Tissue Engineering - Part A</i> , 2016, 22, 31-40.	3.1	10
128	New tools for studying microglia in the mouse and human CNS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1738-46.	7.1	1,400
129	Evidence that α 7 Integrin Regulates Hematopoietic Stem Cell Homing and Engraftment Through Interaction with MADCAM-1. <i>Stem Cells and Development</i> , 2016, 25, 18-26.	2.1	26
130	Training the next generation of biomedical investigators in glycosciences. <i>Journal of Clinical Investigation</i> , 2016, 126, 405-408.	8.2	32
131	Super Cross-Presentation of Tumor Antigens to Elicit Anti-Lymphoma Immunity By Synthetic Design of an Anti-Phosphatidylserine Bridge Protein. <i>Blood</i> , 2016, 128, 1844-1844.	1.4	0
132	<i>En1</i> fibroblasts and melanoma. <i>Melanoma Management</i> , 2015, 2, 191-192.	0.5	1
133	Pericytes are progenitors for coronary artery smooth muscle. <i>ELife</i> , 2015, 4, .	6.0	162
134	Pre-Clinical Development of a Humanized Anti-CD47 Antibody with Anti-Cancer Therapeutic Potential. <i>PLoS ONE</i> , 2015, 10, e0137345.	2.5	373
135	Tuning Cytokine Receptor Signaling by Re-orienting Dimer Geometry with Surrogate Ligands. <i>Cell</i> , 2015, 160, 1196-1208.	28.9	138
136	Expression of TCR α CD122 peptides by murine bone marrow cells does not identify T cell progenitors. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 1956-1964.	3.6	1
137	Macrophages are critical effectors of antibody therapies for cancer. <i>MAbs</i> , 2015, 7, 303-310.	5.2	223
138	Identification and Specification of the Mouse Skeletal Stem Cell. <i>Cell</i> , 2015, 160, 285-298.	28.9	571
139	Macrophages eat cancer cells using their own calreticulin as a guide: Roles of TLR and Btk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2145-2150.	7.1	210
140	Epigenetic and in vivo comparison of diverse MSC sources reveals an endochondral signature for human hematopoietic niche formation. <i>Blood</i> , 2015, 125, 249-260.	1.4	201
141	Prospective isolation of human erythroid lineage-committed progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9638-9643.	7.1	74
142	Identification and characterization of an injury-induced skeletal progenitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9920-9925.	7.1	93
143	Molecular Pathways: Activating T Cells after Cancer Cell Phagocytosis from Blockade of CD47 α Don't Eat Me Signals. <i>Clinical Cancer Research</i> , 2015, 21, 3597-3601.	7.0	167
144	Stem cells are units of natural selection for tissue formation, for germline development, and in cancer development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8922-8928.	7.1	60

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145	Identification and isolation of a dermal lineage with intrinsic fibrogenic potential. <i>Science</i> , 2015, 348, aaa2151.	12.6	520
146	CD14-expressing cancer cells establish the inflammatory and proliferative tumor microenvironment in bladder cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4725-4730.	7.1	83
147	Engineering of High Affinity CD47 Ectodomain as Signal Regulatory Protein $\hat{\pm}$ (SIRP $\hat{\pm}$) Antagonists That Enhance Antibody-dependent Cellular Phagocytosis. <i>Journal of Biological Chemistry</i> , 2015, 290, 12650-12663.	3.4	75
148	Evolution of normal and neoplastic tissue stem cells: progress after Robert Hooke. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140364.	4.0	8
149	Lift NIH restrictions on chimera research. <i>Science</i> , 2015, 350, 640-640.	12.6	17
150	<i>Botryllus schlosseri</i> , an emerging model for the study of aging, stem cells, and mechanisms of regeneration. <i>Invertebrate Reproduction and Development</i> , 2015, 59, 33-38.	0.8	42
151	Sleep disruption impairs haematopoietic stem cell transplantation in mice. <i>Nature Communications</i> , 2015, 6, 8516.	12.8	34
152	Engineering high-affinity PD-1 variants for optimized immunotherapy and immuno-PET imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6506-14.	7.1	299
153	SCNT-Derived ESCs with Mismatched Mitochondria Trigger an Immune Response in Allogeneic Hosts. <i>Cell Stem Cell</i> , 2015, 16, 33-38.	11.1	52
154	Upregulation of CD11A on Hematopoietic Stem Cells Denotes the Loss of Long-Term Reconstitution Potential. <i>Stem Cell Reports</i> , 2014, 3, 707-715.	4.8	19
155	Osteoclast Derivation from Mouse Bone Marrow. <i>Journal of Visualized Experiments</i> , 2014, , e52056.	0.3	24
156	Endoscopic molecular imaging of human bladder cancer using a CD47 antibody. <i>Science Translational Medicine</i> , 2014, 6, 260ra148.	12.4	124
157	Identification of Multipotent Progenitors that Emerge Prior to Hematopoietic Stem Cells in Embryonic Development. <i>Stem Cell Reports</i> , 2014, 2, 457-472.	4.8	55
158	Transcriptional activation of hypoxia-inducible factor-1 (HIF-1) in myeloid cells promotes angiogenesis through VEGF and S100A8. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2698-2703.	7.1	90
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