John E Dick

List of Publications by Year
in descending order

320 papers	53,672 citations	3721 89 h-index	1280 225 g-index
346 all docs	346 docs citations	346 times ranked	45779 citing authors

#	Article	IF	Citations
1	Human acute myeloid leukemia is organized as a hierarchy that originates from a primitive hematopoietic cell. Nature Medicine, 1997, 3, 730-737.	15.2	6,150
2	A cell initiating human acute myeloid leukaemia after transplantation into SCID mice. Nature, 1994, 367, 645-648.	13.7	4,203
3	A human colon cancer cell capable of initiating tumour growth in immunodeficient mice. Nature, 2007, 445, 106-110.	13.7	3,765
4	Evolution of the Cancer Stem Cell Model. Cell Stem Cell, 2014, 14, 275-291.	5.2	1,825
5	The genetic basis of early T-cell precursor acute lymphoblastic leukaemia. Nature, 2012, 481, 157-163.	13.7	1,430
6	Identification of pre-leukaemic haematopoietic stem cells in acute leukaemia. Nature, 2014, 506, 328-333.	13.7	1,241
7	Targeting of CD44 eradicates human acute myeloid leukemic stem cells. Nature Medicine, 2006, 12, 1167-1174.	15.2	1,127
8	Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2009, 81, 6813-6822.	3.2	1,121
9	Stem cell concepts renew cancer research. Blood, 2008, 112, 4793-4807.	0.6	921
10	Stem cell gene expression programs influence clinical outcome in human leukemia. Nature Medicine, 2011, 17, 1086-1093.	15.2	894
11	Acute myeloid leukemia originates from a hierarchy of leukemic stem cell classes that differ in self-renewal capacity. Nature Immunology, 2004, 5, 738-743.	7.0	871
12	Purification of primitive human hematopoietic cells capable of repopulating immune-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 5320-5325.	3.3	794
13	Identification of primitive human hematopoietic cells capable of repopulating NOD/SCID mouse bone marrow: Implications for gene therapy. Nature Medicine, 1996, 2, 1329-1337.	15.2	765
14	Isolation of Single Human Hematopoietic Stem Cells Capable of Long-Term Multilineage Engraftment. Science, 2011, 333, 218-221.	6.0	717
15	Variable Clonal Repopulation Dynamics Influence Chemotherapy Response in Colorectal Cancer. Science, 2013, 339, 543-548.	6.0	691
16	Hematopoiesis: A Human Perspective. Cell Stem Cell, 2012, 10, 120-136.	5.2	679
17	Introduction of a selectable gene into primitive stem cells capable of long-term reconstitution of the hemopoietic system of W/Wv mice. Cell, 1985, 42, 71-79.	13.5	655
18	A 17-gene stemness score for rapid determination of risk in acute leukaemia. Nature, 2016, 540, 433-437.	13.7	617

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19	Prediction of acute myeloid leukaemia risk in healthy individuals. Nature, 2018, 559, 400-404.	13.7	617
20	Distinct routes of lineage development reshape the human blood hierarchy across ontogeny. Science, 2016, 351, aab2116.	6.0	597
21	A newly discovered class of human hematopoietic cells with SCID-repopulating activity. Nature Medicine, 1998, 4, 1038-1045.	15.2	595
22	Inhibition of the LSD1 (KDM1A) demethylase reactivates the all-trans-retinoic acid differentiation pathway in acute myeloid leukemia. Nature Medicine, 2012, 18, 605-611.	15.2	584
23	Cancer stem cells: lessons from leukemia. Trends in Cell Biology, 2005, 15, 494-501.	3.6	551
24	Inhibition of Mitochondrial Translation as a Therapeutic Strategy for Human Acute Myeloid Leukemia. Cancer Cell, 2011, 20, 674-688.	7.7	546
25	Monoclonal Antibody-Mediated Targeting of CD123, IL-3 Receptor Î± Chain, Eliminates Human Acute Myeloid Leukemic Stem Cells. Cell Stem Cell, 2009, 5, 31-42.	5.2	499
26	Self-renewal as a therapeutic target in human colorectal cancer. Nature Medicine, 2014, 20, 29-36.	15.2	438
27	Polymorphism in Sirpa modulates engraftment of human hematopoietic stem cells. Nature Immunology, 2007, 8, 1313-1323.	7.0	436
28	Primitive Human Hematopoietic Cells Are Enriched in Cord Blood Compared With Adult Bone Marrow or Mobilized Peripheral Blood as Measured by the Quantitative In Vivo SCID-Repopulating Cell Assay. Blood, 1997, 89, 3919-3924.	0.6	434
29	Revised map of the human progenitor hierarchy shows the origin of macrophages and dendritic cells in early lymphoid development. Nature Immunology, 2010, 11, 585-593.	7.0	430
30	Tracing the origins of relapse in acute myeloid leukaemia to stem cells. Nature, 2017, 547, 104-108.	13.7	424
31	Evolution of human BCRâ€“ABL1 lymphoblastic leukaemia-initiating cells. Nature, 2011, 469, 362-367.	13.7	421
32	A renewed model of pancreatic cancer evolution based on genomic rearrangement patterns. Nature, 2016, 538, 378-382.	13.7	418
33	Quantitative Analysis Reveals Expansion of Human Hematopoietic Repopulating Cells After Short-term Ex Vivo Culture. Journal of Experimental Medicine, 1997, 186, 619-624.	4.2	394
34	Bone Morphogenetic Proteins Regulate the Developmental Program of Human Hematopoietic Stem Cells. Journal of Experimental Medicine, 1999, 189, 1139-1148.	4.2	354
35	Modeling the Initiation and Progression of Human Acute Leukemia in Mice. Science, 2007, 316, 600-604.	6.0	317
36	Distinct classes of human stem cells that differ in proliferative and self-renewal potential. Nature Immunology, 2001, 2, 75-82.	7.0	305

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37	Breast cancer stem cells revealed. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3547-3549.	3.3	305
38	The unfolded protein response governs integrity of the haematopoietic stem-cell pool during stress. Nature, 2014, 510, 268-272.	13.7	292
39	Generation of hematopoietic repopulating cells from human embryonic stem cells independent of ectopic HOXB4 expression. Journal of Experimental Medicine, 2005, 201, 1603-1614.	4.2	290
40	The human syndrome of dendritic cell, monocyte, B and NK lymphoid deficiency. Journal of Experimental Medicine, 2011, 208, 227-234.	4.2	277
41	Inhibition of the Mitochondrial Protease ClpP as a Therapeutic Strategy for Human Acute Myeloid Leukemia. Cancer Cell, 2015, 27, 864-876.	7.7	265
42	Rapid myeloerythroid repopulation after intrafemoral transplantation of NOD-SCID mice reveals a new class of human stem cells. Nature Medicine, 2003, 9, 959-963.	15.2	264
43	A Myc enhancer cluster regulates normal and leukaemic haematopoietic stem cell hierarchies. Nature, 2018, 553, 515-520.	13.7	256
44	Comparison of human cord blood engraftment between immunocompromised mouse strains. Blood, 2010, 116, 193-200.	0.6	248
45	Catalytic site remodelling of the DOT1L methyltransferase by selective inhibitors. Nature Communications, 2012, 3, 1288.	5.8	247
46	CDK6 Levels Regulate Quiescence Exit in Human Hematopoietic Stem Cells. Cell Stem Cell, 2015, 16, 302-313.	5.2	247
47	A model of human acute lymphoblastic leukemia in immune-deficient SCID mice. Science, 1989, 246, 1597-1600.	6.0	246
48	Expansion of human cord blood CD34+CD38â^'cells in ex vivo culture during retroviral transduction without a corresponding increase in SCID repopulating cell (SRC) frequency: dissociation of SRC phenotype and function. Blood, 2000, 95, 102-110.	0.6	243
49	A Distinctive DNA Damage Response in Human Hematopoietic Stem Cells Reveals an Apoptosis-Independent Role for p53 in Self-Renewal. Cell Stem Cell, 2010, 7, 186-197.	5.2	243
50	Inactivation of Fac in mice produces inducible chromosomal instability and reduced fertility reminiscent of Fanconi anaemia. Nature Genetics, 1996, 12, 448-451.	9.4	241
51	Deregulation of DUX4 and ERG in acute lymphoblastic leukemia. Nature Genetics, 2016, 48, 1481-1489.	9.4	231
52	Kinetic Evidence of the Regeneration of Multilineage Hematopoiesis From Primitive Cells in Normal Human Bone Marrow Transplanted Into Immunodeficient Mice. Blood, 1997, 89, 4307-4316.	0.6	228
53	AML cells have low spare reserve capacity in their respiratory chain that renders them susceptible to oxidative metabolic stress. Blood, 2015, 125, 2120-2130.	0.6	227
54	miR-126 Regulates Distinct Self-Renewal Outcomes in Normal and Malignant Hematopoietic Stem Cells. Cancer Cell, 2016, 29, 214-228.	7.7	216

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55	Concepts of human leukemic development. Oncogene, 2004, 23, 7164-7177.	2.6	207
56	CD8+ minor histocompatibility antigen-specific cytotoxic T lymphocyte clones eliminate human acute myeloid leukemia stem cells. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 8639-8644.	3.3	199
57	Engraftment and Development of Human CD34+-Enriched Cells From Umbilical Cord Blood in NOD/LtSz-scid/scid Mice. Blood, 1997, 90, 85-96.	0.6	197
58	Attenuation of miR-126 Activity Expands HSC InÂVivo without Exhaustion. Cell Stem Cell, 2012, 11, 799-811.	5.2	197
59	Quantitative single-cell proteomics as a tool to characterize cellular hierarchies. Nature Communications, 2021, 12, 3341.	5.8	197
60	Looking ahead in cancer stem cell research. Nature Biotechnology, 2009, 27, 44-46.	9.4	193
61	ID1 and ID3 Regulate the Self-Renewal Capacity ofÂHuman Colon Cancer-Initiating Cells through p21. Cancer Cell, 2012, 21, 777-792.	7.7	193
62	The evolution of cellular deficiency in GATA2 mutation. Blood, 2014, 123, 863-874.	0.6	189
63	The transcriptional architecture of early human hematopoiesis identifies multilevel control of lymphoid commitment. Nature Immunology, 2013, 14, 756-763.	7.0	188
64	Transduction of Human CD34+CD38- Bone Marrow and Cord Blood-Derived SCID-Repopulating Cells with Third-Generation Lentiviral Vectors. Molecular Therapy, 2000, 1, 566-573.	3.7	180
65	Identification of Hematopoietic Stem Cellâ€"Specific miRNAs Enables Gene Therapy of Globoid Cell Leukodystrophy. Science Translational Medicine, 2010, 2, 58ra84.	5.8	180
66	Assay of human stem cells by repopulation of NOD/SCID mice. Stem Cells, 1997, 15, 199-207.	1.4	174
67	Hematopoietic stem cell and progenitor defects in Sca-1/Ly-6Aâ€"null mice. Blood, 2003, 101, 517-523.	0.6	168
68	Individual stem cells with highly variable proliferation and self-renewal properties comprise the human hematopoietic stem cell compartment. Nature Immunology, 2006, 7, 1225-1233.	7.0	158
69	Cancer Stem Cells in Solid Tumors: An Overview. Seminars in Radiation Oncology, 2009, 19, 71-77.	1.0	152
70	Chelation of intracellular iron with the antifungal agent ciclopirox olamine induces cell death in leukemia and myeloma cells. Blood, 2009, 114, 3064-3073.	0.6	151
71	Differential Maintenance of Primitive Human SCID-Repopulating Cells, Clonogenic Progenitors, and Long-Term Culture-Initiating Cells After Incubation on Human Bone Marrow Stromal Cells. Blood, 1997, 90, 641-650.	0.6	149
72	Normal and leukemic human stem cells assayed in SCID mice. Seminars in Immunology, 1996, 8, 197-206.	2.7	148

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73	Acute Myeloid Leukemia Stem Cells. Annals of the New York Academy of Sciences, 2005, 1044, 1-5.	1.8	148
74	Efficacy of Retinoids in IKZF1-Mutated BCR-ABL1 Acute Lymphoblastic Leukemia. Cancer Cell, 2015, 28, 343-356.	7.7	145
75	Lentivector-mediated clonal tracking reveals intrinsic heterogeneity in the human hematopoietic stem cell compartment and culture-induced stem cell impairment. Blood, 2004, 103, 545-552.	0.6	140
76	Multiple cellular antigen detection by ICP-MS. Journal of Immunological Methods, 2006, 308, 68-76.	0.6	140
77	Human short-term repopulating stem cells are efficiently detected following intrafemoral transplantation into NOD/SCID recipients depleted of CD122+ cells. Blood, 2005, 106, 1259-1261.	0.6	131
78	Characterization in vitro and engraftment potential in vivo of human progenitor T cells generated from hematopoietic stem cells. Blood, 2009, 114, 972-982.	0.6	125
79	Disruption of SIRPÎ± signaling in macrophages eliminates human acute myeloid leukemia stem cells in xenografts. Journal of Experimental Medicine, 2012, 209, 1883-1899.	4.2	121
80	Engraftment of human hematopoietic stem cells is more efficient in female NOD/SCID/IL-2Rgc-null recipients. Blood, 2010, 115, 3704-3707.	0.6	118
81	Truncating Erythropoietin Receptor Rearrangements in Acute Lymphoblastic Leukemia. Cancer Cell, 2016, 29, 186-200.	7.7	118
82	Lysosomal disruption preferentially targets acute myeloid leukemia cells and progenitors. Journal of Clinical Investigation, 2013, 123, 315-328.	3.9	117
83	Self-renewal writ in blood. Nature, 2003, 423, 231-232.	13.7	105
84	A cellular hierarchy framework for understanding heterogeneity and predicting drug response in acute myeloid leukemia. Nature Medicine, 2022, 28, 1212-1223.	15.2	104
85	CC-90009, a novel cereblon E3 ligase modulator, targets acute myeloid leukemia blasts and leukemia stem cells. Blood, 2021, 137, 661-677.	0.6	103
86	Direct evidence for cooperating genetic events in the leukemic transformation of normal human hematopoietic cells. Leukemia, 2005, 19, 1794-1805.	3.3	102
87	Inherited myeloproliferative neoplasm risk affects haematopoietic stem cells. Nature, 2020, 586, 769-775.	13.7	101
88	Biology of Normal and Acute Myeloid Leukemia Stem Cells. International Journal of Hematology, 2005, 82, 389-396.	0.7	97
89	Acute Myeloid Leukemia. Hematology American Society of Hematology Education Program, 2001, 2001, 62-86.	0.9	95
90	Comment on "Tumor Growth Need Not Be Driven by Rare Cancer Stem Cells". Science, 2007, 318, 1722-1722.	6.0	95

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91	Leukemia-initiating cells in human T-lymphoblastic leukemia exhibit glucocorticoid resistance. Blood, 2010, 116, 5268-5279.	0.6	94
92	Mutational Landscape and Patterns of Clonal Evolution in Relapsed Pediatric Acute Lymphoblastic Leukemia. Blood Cancer Discovery, 2020, 1, 96-111.	2.6	93
93	Engraftment of immune-deficient mice with primitive hematopoietic cells from Î²-thalassemia and sickle cell anemia patients: implications for evaluating human gene therapy protocols. Human Molecular Genetics, 1995, 4, 163-172.	1.4	92
94	Modulation of gene expression in multiple hematopoietic cell lineages following retroviral vector gene transfer.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 789-793.	3.3	91
95	Human acute myeloid leukemia stem cells. Archives of Medical Research, 2003, 34, 507-514.	1.5	90
96	MLL5 Orchestrates a Cancer Self-Renewal State by Repressing the Histone Variant H3.3 and Globally Reorganizing Chromatin. Cancer Cell, 2015, 28, 715-729.	7.7	90
97	Integrated Stress Response Activity Marks Stem Cells in Normal Hematopoiesis and Leukemia. Cell Reports, 2018, 25, 1109-1117.e5.	2.9	88
98	PLZF is a regulator of homeostatic and cytokine-induced myeloid development. Genes and Development, 2009, 23, 2076-2087.	2.7	87
99	Daily Onset of Light and Darkness Differentially Controls Hematopoietic Stem Cell Differentiation and Maintenance. Cell Stem Cell, 2018, 23, 572-585.e7.	5.2	86
100	Transplantation of Normal and Leukemic Human Bone Marrow into Immune-Deficient Mice: Development of Animal Models for Human Hematopoiesis. Immunological Reviews, 1991, 124, 25-43.	2.8	85
101	Enhancer Hijacking Drives Oncogenic <i>BCL11B</i> Expression in Lineage-Ambiguous Stem Cell Leukemia. Cancer Discovery, 2021, 11, 2846-2867.	7.7	83
102	Low rhodamine 123 retention identifies long-term human hematopoietic stem cells within the Linâ^'CD34+CD38â^' population. Blood, 2007, 109, 543-545.	0.6	82
103	Essential role for Ptpn11 in survival of hematopoietic stem and progenitor cells. Blood, 2011, 117, 4253-4261.	0.6	82
104	Expression of human adenosine deaminase in murine haematopoietic progenitor cells following retroviral transfer. Nature, 1986, 322, 385-387.	13.7	80
105	Sphingolipid Modulation Activates Proteostasis Programs to Govern Human Hematopoietic Stem Cell Self-Renewal. Cell Stem Cell, 2019, 25, 639-653.e7.	5.2	79
106	Retroviral transduction of TLS-ERG initiates a leukemogenic program in normal human hematopoietic cells. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 8239-8244.	3.3	73
107	Bone Marrow Failure in the Fanconi Anemia Group C Mouse Model After DNA Damage. Blood, 1998, 91, 2737-2744.	0.6	73
108	AGS67E, an Anti-CD37 Monomethyl Auristatin E Antibodyâ€"Drug Conjugate as a Potential Therapeutic for B/T-Cell Malignancies and AML: A New Role for CD37 in AML. Molecular Cancer Therapeutics, 2015, 14, 1650-1660.	1.9	72

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109	Relapse-Fated Latent Diagnosis Subclones in Acute B Lineage Leukemia Are Drug Tolerant and Possess Distinct Metabolic Programs. Cancer Discovery, 2020, 10, 568-587.	7.7	72
110	Human Solid Tumor Xenografts in Immunodeficient Mice Are Vulnerable to Lymphomagenesis Associated with Epstein-Barr Virus. PLoS ONE, 2012, 7, e39294.	1.1	71
111	TFEB-mediated endolysosomal activity controls human hematopoietic stem cell fate. Cell Stem Cell, 2021, 28, 1838-1850.e10.	5.2	69
112	Nuclear localizing sequences promote nuclear translocation and enhance the radiotoxicity of the anti-CD33 monoclonal antibody HuM195 labeled with 111In in human myeloid leukemia cells. Journal of Nuclear Medicine, 2006, 47, 827-36.	2.8	69
113	Gene expression and mutation-guided synthetic lethality eradicates proliferating and quiescent leukemia cells. Journal of Clinical Investigation, 2017, 127, 2392-2406.	3.9	64
114	Reduced Lymphoid Lineage Priming Promotes Human Hematopoietic Stem Cell Expansion. Cell Stem Cell, 2014, 14, 94-106.	5.2	63
115	Zebrafish microRNA-126 determines hematopoietic cell fate through c-Myb. Leukemia, 2011, 25, 506-514.	3.3	62
116	Dynamic changes in cellular and microenvironmental composition can be controlled to elicit in vitro human hematopoietic stem cell expansion. Experimental Hematology, 2005, 33, 1229-1239.	0.2	59
117	Dissociation of telomerase activity and telomere length maintenance in primitive human hematopoietic cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14398-14403.	3.3	59
118	Intercellular network structure and regulatory motifs in the human hematopoietic system. Molecular Systems Biology, 2014, 10, 741.	3.2	57
119	miRNA-126 Orchestrates an Oncogenic Program in B Cell Precursor Acute Lymphoblastic Leukemia. Cancer Cell, 2016, 29, 905-921.	7.7	57
120	Allogeneic Human Double Negative T Cells as a Novel Immunotherapy for Acute Myeloid Leukemia and Its Underlying Mechanisms. Clinical Cancer Research, 2018, 24, 370-382.	3.2	57
121	Comprehensive genomic screens identify a role for PLZF-RARÎ± as a positive regulator of cell proliferation via direct regulation of c-MYC. Blood, 2009, 114, 5499-5511.	0.6	53
122	Hematopoietic compartment of Fanconi anemia group C null mice contains fewer lineage-negative CD34+ primitive hematopoietic cells and shows reduced reconstitution ability. Experimental Hematology, 1999, 27, 1667-1674.	0.2	52
123	Ectopic miR-125a Expression Induces Long-Term Repopulating Stem Cell Capacity in Mouse and Human Hematopoietic Progenitors. Cell Stem Cell, 2016, 19, 383-396.	5.2	52
124	The Transition from Quiescent to Activated States in Human Hematopoietic Stem Cells Is Governed by Dynamic 3D Genome Reorganization. Cell Stem Cell, 2021, 28, 488-501.e10.	5.2	51
125	Enhanced alternative splicing of the FLVCR1 gene in Diamond Blackfan anemia disrupts FLVCR1 expression and function that are critical for erythropoiesis. Haematologica, 2008, 93, 1617-1626.	1.7	46
126	The stem cell-associated gene expression signature allows risk stratification in pediatric acute myeloid leukemia. Leukemia, 2019, 33, 348-357.	3.3	44

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127	Nicotinamide phosphoribosyltransferase inhibitors selectively induce apoptosis of AML stem cells by disrupting lipid homeostasis. Cell Stem Cell, 2021, 28, 1851-1867.e8.	5.2	43
128	Reversible cell surface expression of CD38 on CD34-positive human hematopoietic repopulating cells. Experimental Hematology, 2007, 35, 1429-1436.	0.2	42
129	Mapping the cellular origin and early evolution of leukemia in Down syndrome. Science, 2021, 373, .	6.0	42
130	Auger Electron Radioimmunotherapeutic Agent Specific for the CD123⁺/CD131^{â^'} Phenotype of the Leukemia Stem Cell Population. Journal of Nuclear Medicine, 2011, 52, 1465-1473.	2.8	40
131	Anaplastic large cell lymphoma-propagating cells are detectable by side population analysis and possess an expression profile reflective of a primitive origin. Oncogene, 2015, 34, 1843-1852.	2.6	40
132	Identification of genes expressed by immune cells of the colon that are regulated by colorectal cancerâ€associated variants. International Journal of Cancer, 2014, 134, 2330-2341.	2.3	38
133	Hematopoietic Cell Fate and the Initiation of Leukemic Properties in Primitive Primary Human Cells Are Influenced by Ras Activity and Farnesyltransferase Inhibition. Molecular and Cellular Biology, 2004, 24, 6993-7002.	1.1	37
134	Oncogenic potential of the transcription factor LYL1 in acute myeloblastic leukemia. Leukemia, 2005, 19, 1941-1947.	3.3	37
135	Engraftment of human lymphoid cells into newborn SCID mice leads to graft-versushost disease. International Immunology, 1993, 5, 1509-1522.	1.8	36
136	A small molecule screening strategy with validation on human leukemia stem cells uncovers the therapeutic efficacy of kinetin riboside. Blood, 2012, 119, 1200-1207.	0.6	36
137	High efficiency error suppression for accurate detection of low-frequency variants. Nucleic Acids Research, 2019, 47, e87-e87.	6.5	36
138	Sphingosine-1-Phosphate Receptor 3 Potentiates Inflammatory Programs in Normal and Leukemia Stem Cells to Promote Differentiation. Blood Cancer Discovery, 2021, 2, 32-53.	2.6	35
139	Expression of TEL-JAK2 in primary human hematopoietic cells drives erythropoietin-independent erythropoiesis and induces myelofibrosis in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16930-16935.	3.3	32
140	CD200 expression marks leukemia stem cells in human AML. Blood Advances, 2020, 4, 5402-5413.	2.5	31
141	Functional profiling of single CRISPR/Cas9-edited human long-term hematopoietic stem cells. Nature Communications, 2019, 10, 4730.	5.8	30
142	Human Aging Alters the Spatial Organization between CD34+ Hematopoietic Cells and Adipocytes in Bone Marrow. Stem Cell Reports, 2020, 15, 317-325.	2.3	30
143	Genetic manipulation of hematopoietic stem cells with retrovirus vectors. Trends in Genetics, 1986, 2, 165-170.	2.9	29
144	Biological and therapeutic implications of a unique subtype of NPM1 mutated AML. Nature Communications, 2021, 12, 1054.	5.8	29

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145	A latent subset of human hematopoietic stem cells resists regenerative stress to preserve stemness. Nature Immunology, 2021, 22, 723-734.	7.0	26
146	Human stem cell assays in immune-deficient mice. Current Opinion in Hematology, 1996, 3, 405-409.	1.2	25
147	A stemness screen reveals C3orf54/INKA1 as a promoter of human leukemia stem cell latency. Blood, 2019, 133, 2198-2211.	0.6	25
148	The metabolic enzyme hexokinase 2 localizes to the nucleus in AML and normal haematopoietic stem and progenitor cells to maintain stemness. Nature Cell Biology, 2022, 24, 872-884.	4.6	25
149	Molecular landscapes of human hematopoietic stem cells in health and leukemia. Annals of the New York Academy of Sciences, 2016, 1370, 5-14.	1.8	24
150	Dominant-negative Ikaros cooperates with BCR-ABL1 to induce human acute myeloid leukemia in xenografts. Leukemia, 2015, 29, 177-187.	3.3	23
151	Enhanced human hematopoietic stem and progenitor cell engraftment by blocking donor T cellâ€“mediated TNFÎ± signaling. Science Translational Medicine, 2017, 9, .	5.8	23
152	Membrane glycoprotein changes during the senescence of normal human diploid fibroblasts in culture. Mechanisms of Ageing and Development, 1985, 30, 273-283.	2.2	22
153	Characterization of Cord Blood Hematopoietic Stem Cells. Annals of the New York Academy of Sciences, 2003, 996, 67-71.	1.8	22
154	Treatment of Non-Obese Diabetic (NOD)/Severe-Combined Immunodeficient Mice (SCID) With flt3 Ligand and Interleukin-7 Impairs the B-Lineage Commitment of Repopulating Cells After Transplantation of Human Hematopoietic Cells. Blood, 1998, 92, 2024-2031.	0.6	21
155	Gene therapy turns the corner. Nature Medicine, 2000, 6, 624-626.	15.2	21
156	Studies of mammalian ribonucleotide reductase activity in intact permeabilized cells: A genetic approach. Advances in Enzyme Regulation, 1981, 19, 105-127.	2.9	20
157	Clonal haematopoiesis is associated with higher mortality in patients with cardiogenic shock. European Journal of Heart Failure, 2022, 24, 1573-1582.	2.9	20
158	Ribonucleotide reduction in intact human diploid fibroblasts. Journal of Cellular Physiology, 1980, 105, 63-72.	2.0	19
159	<i>In Vivo</i> Dynamics of Human Stem Cell Repopulation in NOD/SCID Mice. Annals of the New York Academy of Sciences, 2001, 938, 184-190.	1.8	19
160	Characterization and retroviral transduction of an early human lymphomyeloid precursor assayed in nonswitched long-term culture on murine stroma. Experimental Hematology, 1999, 27, 1097-1106.	0.2	18
161	SMYD2 lysine methyltransferase regulates leukemia cell growth and regeneration after genotoxic stress. Oncotarget, 2017, 8, 16712-16727.	0.8	18
162	Future prospects for animal models created by transplanting human haematopoietic cells into immune-deficient mice. Research in Immunology, 1994, 145, 380-384.	0.9	16

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163	Molecular and functional characterization of early human hematopoiesis. Annals of the New York Academy of Sciences, 2012, 1266, 68-71.	1.8	16
164	An Integrated Analysis of Heterogeneous Drug Responses in Acute Myeloid Leukemia That Enables the Discovery of Predictive Biomarkers. Cancer Research, 2016, 76, 1214-1224.	0.4	16
165	Involvement of ribonucleotide reductase activity in the senescence of normal human diploid fibroblasts. Mechanisms of Ageing and Development, 1982, 20, 103-109.	2.2	15
166	Lnk adaptor suppresses radiation resistance and radiation-induced B-cell malignancies by inhibiting IL-11 signaling. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20599-20604.	3.3	15
167	AGS62P1, a Novel Anti-FLT3 Antibody Drug Conjugate, Employing Site Specific Conjugation, Demonstrates Preclinical Anti-Tumor Efficacy in AML Tumor and Patient Derived Xenografts. Blood, 2015, 126, 3806-3806.	0.6	15
168	Modulation of Histone H3K4 and H3K27 Methylation Levels Via Pharmacological Inhibition of LSD1 and Degradation of the EZH2-Containing Polycomb Repressive Complex 2 Stimulates ATRA-Mediated Differentiation of AML Cells.. Blood, 2009, 114, 1046-1046.	0.6	15
169	The Role of PLZF in Human Myeloid Development. Annals of the New York Academy of Sciences, 2009, 1176, 150-153.	1.8	14
170	A novel method for detecting the cellular stemness state in normal and leukemic human hematopoietic cells can predict disease outcome and drug sensitivity. Leukemia, 2019, 33, 2061-2077.	3.3	13
171	Gene Transfer with Retrovirus Vectors. , 1985, , 235-261.		13
172	Expression of MLL Fusion Genes in Human Hematopoietic Cells Is Sufficient To Induce Both Acute Lymphoid and Acute Myeloid Leukemia In Vivo.. Blood, 2006, 108, 239-239.	0.6	13
173	Absence of CD34 on Some Human SCID-Repopulating Cells. Annals of the New York Academy of Sciences, 1999, 872, 211-219.	1.8	12
174	Global proteomics dataset of miR-126 overexpression in acute myeloid leukemia. Data in Brief, 2016, 9, 57-61.	0.5	12
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