

John E Dick

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297
papers

44,145
citations

85
h-index

210
g-index

346
ext. papers

49,427
ext. citations

10.9
avg, IF

7.45
L-index

#	Paper	IF	Citations
297	Human acute myeloid leukemia is organized as a hierarchy that originates from a primitive hematopoietic cell. <i>Nature Medicine</i> , 1997 , 3, 730-7	50.5	5283
296	A cell initiating human acute myeloid leukaemia after transplantation into SCID mice. <i>Nature</i> , 1994 , 367, 645-8	50.4	3588
295	A human colon cancer cell capable of initiating tumour growth in immunodeficient mice. <i>Nature</i> , 2007 , 445, 106-10	50.4	3323
294	Evolution of the cancer stem cell model. <i>Cell Stem Cell</i> , 2014 , 14, 275-91	18	1462
293	The genetic basis of early T-cell precursor acute lymphoblastic leukaemia. <i>Nature</i> , 2012 , 481, 157-63	50.4	1163
292	Identification of pre-leukaemic haematopoietic stem cells in acute leukaemia. <i>Nature</i> , 2014 , 506, 328-33	50.4	1011
291	Targeting of CD44 eradicates human acute myeloid leukemic stem cells. <i>Nature Medicine</i> , 2006 , 12, 1167-74	50.4	984
290	Mass cytometry: technique for real time single cell multitarget immunoassay based on inductively coupled plasma time-of-flight mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 6813-22	7.8	854
289	Stem cell concepts renew cancer research. <i>Blood</i> , 2008 , 112, 4793-807	2.2	791
288	Acute myeloid leukemia originates from a hierarchy of leukemic stem cell classes that differ in self-renewal capacity. <i>Nature Immunology</i> , 2004 , 5, 738-43	19.1	742
287	Purification of primitive human hematopoietic cells capable of repopulating immune-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 5320-5	11.5	737
286	Stem cell gene expression programs influence clinical outcome in human leukemia. <i>Nature Medicine</i> , 2011 , 17, 1086-93	50.5	713
285	Identification of primitive human hematopoietic cells capable of repopulating NOD/SCID mouse bone marrow: implications for gene therapy. <i>Nature Medicine</i> , 1996 , 2, 1329-37	50.5	709
284	Isolation of single human hematopoietic stem cells capable of long-term multilineage engraftment. <i>Science</i> , 2011 , 333, 218-21	33.3	570
283	A newly discovered class of human hematopoietic cells with SCID-repopulating activity. <i>Nature Medicine</i> , 1998 , 4, 1038-45	50.5	556
282	Variable clonal repopulation dynamics influence chemotherapy response in colorectal cancer. <i>Science</i> , 2013 , 339, 543-8	33.3	550
281	Introduction of a selectable gene into primitive stem cells capable of long-term reconstitution of the hemopoietic system of W/W ^v mice. <i>Cell</i> , 1985 , 42, 71-9	56.2	550

280	Hematopoiesis: a human perspective. <i>Cell Stem Cell</i> , 2012 , 10, 120-36	18	541
279	Inhibition of the LSD1 (KDM1A) demethylase reactivates the all-trans-retinoic acid differentiation pathway in acute myeloid leukemia. <i>Nature Medicine</i> , 2012 , 18, 605-11	50.5	502
278	Cancer stem cells: lessons from leukemia. <i>Trends in Cell Biology</i> , 2005 , 15, 494-501	18.3	484
277	Distinct routes of lineage development reshape the human blood hierarchy across ontogeny. <i>Science</i> , 2016 , 351, aab2116	33.3	445
276	Inhibition of mitochondrial translation as a therapeutic strategy for human acute myeloid leukemia. <i>Cancer Cell</i> , 2011 , 20, 674-88	24.3	425
275	Monoclonal antibody-mediated targeting of CD123, IL-3 receptor alpha chain, eliminates human acute myeloid leukemic stem cells. <i>Cell Stem Cell</i> , 2009 , 5, 31-42	18	413
274	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. <i>Blood</i> , 1997 , 89, 3919-3924	2.2	388
273	Evolution of human BCR-ABL1 lymphoblastic leukaemia-initiating cells. <i>Nature</i> , 2011 , 469, 362-7	50.4	383
272	Polymorphism in Sirpa modulates engraftment of human hematopoietic stem cells. <i>Nature Immunology</i> , 2007 , 8, 1313-23	19.1	369
271	A 17-gene stemness score for rapid determination of risk in acute leukaemia. <i>Nature</i> , 2016 , 540, 433-437	50.4	369
270	Prediction of acute myeloid leukaemia risk in healthy individuals. <i>Nature</i> , 2018 , 559, 400-404	50.4	368
269	Quantitative analysis reveals expansion of human hematopoietic repopulating cells after short-term ex vivo culture. <i>Journal of Experimental Medicine</i> , 1997 , 186, 619-24	16.6	366
268	Self-renewal as a therapeutic target in human colorectal cancer. <i>Nature Medicine</i> , 2014 , 20, 29-36	50.5	361
267	Revised map of the human progenitor hierarchy shows the origin of macrophages and dendritic cells in early lymphoid development. <i>Nature Immunology</i> , 2010 , 11, 585-93	19.1	361
266	Bone morphogenetic proteins regulate the developmental program of human hematopoietic stem cells. <i>Journal of Experimental Medicine</i> , 1999 , 189, 1139-48	16.6	325
265	A renewed model of pancreatic cancer evolution based on genomic rearrangement patterns. <i>Nature</i> , 2016 , 538, 378-382	50.4	304
264	Modeling the initiation and progression of human acute leukemia in mice. <i>Science</i> , 2007 , 316, 600-4	33.3	279
263	Tracing the origins of relapse in acute myeloid leukaemia to stem cells. <i>Nature</i> , 2017 , 547, 104-108	50.4	274

262	Distinct classes of human stem cells that differ in proliferative and self-renewal potential. <i>Nature Immunology</i> , 2001 , 2, 75-82	19.1	272
261	Breast cancer stem cells revealed. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 3547-9	11.5	270
260	Generation of hematopoietic repopulating cells from human embryonic stem cells independent of ectopic HOXB4 expression. <i>Journal of Experimental Medicine</i> , 2005 , 201, 1603-14	16.6	258
259	Rapid myeloerythroid repopulation after intrafemoral transplantation of NOD-SCID mice reveals a new class of human stem cells. <i>Nature Medicine</i> , 2003 , 9, 959-63	50.5	240
258	The human syndrome of dendritic cell, monocyte, B and NK lymphoid deficiency. <i>Journal of Experimental Medicine</i> , 2011 , 208, 227-34	16.6	237
257	The unfolded protein response governs integrity of the haematopoietic stem-cell pool during stress. <i>Nature</i> , 2014 , 510, 268-72	50.4	231
256	Inactivation of Fac in mice produces inducible chromosomal instability and reduced fertility reminiscent of Fanconi anaemia. <i>Nature Genetics</i> , 1996 , 12, 448-51	36.3	221
255	Kinetic Evidence of the Regeneration of Multilineage Hematopoiesis From Primitive Cells in Normal Human Bone Marrow Transplanted Into Immunodeficient Mice. <i>Blood</i> , 1997 , 89, 4307-4316	2.2	218
254	Expansion of human cord blood CD34+CD38 ^{low} cells in ex vivo culture during retroviral transduction without a corresponding increase in SCID repopulating cell (SRC) frequency: dissociation of SRC phenotype and function. <i>Blood</i> , 2000 , 95, 102-110	2.2	217
253	A distinctive DNA damage response in human hematopoietic stem cells reveals an apoptosis-independent role for p53 in self-renewal. <i>Cell Stem Cell</i> , 2010 , 7, 186-97	18	213
252	Comparison of human cord blood engraftment between immunocompromised mouse strains. <i>Blood</i> , 2010 , 116, 193-200	2.2	213
251	Catalytic site remodelling of the DOT1L methyltransferase by selective inhibitors. <i>Nature Communications</i> , 2012 , 3, 1288	17.4	209
250	A model of human acute lymphoblastic leukemia in immune-deficient SCID mice. <i>Science</i> , 1989 , 246, 1597-600	33.9	205
249	Inhibition of the Mitochondrial Protease ClpP as a Therapeutic Strategy for Human Acute Myeloid Leukemia. <i>Cancer Cell</i> , 2015 , 27, 864-76	24.3	191
248	Engraftment and Development of Human CD34+-Enriched Cells From Umbilical Cord Blood in NOD/LtSz-scid/scid Mice. <i>Blood</i> , 1997 , 90, 85-96	2.2	191
247	CD8(+) minor histocompatibility antigen-specific cytotoxic T lymphocyte clones eliminate human acute myeloid leukemia stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 8639-44	11.5	189
246	Concepts of human leukemic development. <i>Oncogene</i> , 2004 , 23, 7164-77	9.2	178
245	Attenuation of miR-126 activity expands HSC in vivo without exhaustion. <i>Cell Stem Cell</i> , 2012 , 11, 799-811	18	164

244	Transduction of human CD34+ CD38- bone marrow and cord blood-derived SCID-repopulating cells with third-generation lentiviral vectors. <i>Molecular Therapy</i> , 2000 , 1, 566-73	11.7	163
243	CDK6 levels regulate quiescence exit in human hematopoietic stem cells. <i>Cell Stem Cell</i> , 2015 , 16, 302-1318		158
242	ID1 and ID3 regulate the self-renewal capacity of human colon cancer-initiating cells through p21. <i>Cancer Cell</i> , 2012 , 21, 777-92	24.3	157
241	Assay of human stem cells by repopulation of NOD/SCID mice. <i>Stem Cells</i> , 1997 , 15 Suppl 1, 199-203; discussion 204-7	5.8	157
240	Identification of hematopoietic stem cell-specific miRNAs enables gene therapy of globoid cell leukodystrophy. <i>Science Translational Medicine</i> , 2010 , 2, 58ra84	17.5	156
239	The evolution of cellular deficiency in GATA2 mutation. <i>Blood</i> , 2014 , 123, 863-74	2.2	153
238	Hematopoietic stem cell and progenitor defects in Sca-1/Ly-6A-null mice. <i>Blood</i> , 2003 , 101, 517-23	2.2	149
237	AML cells have low spare reserve capacity in their respiratory chain that renders them susceptible to oxidative metabolic stress. <i>Blood</i> , 2015 , 125, 2120-30	2.2	148
236	Deregulation of DUX4 and ERG in acute lymphoblastic leukemia. <i>Nature Genetics</i> , 2016 , 48, 1481-1489	36.3	145
235	The transcriptional architecture of early human hematopoiesis identifies multilevel control of lymphoid commitment. <i>Nature Immunology</i> , 2013 , 14, 756-63	19.1	145
234	A Myc enhancer cluster regulates normal and leukaemic haematopoietic stem cell hierarchies. <i>Nature</i> , 2018 , 553, 515-520	50.4	142
233	Cancer stem cells in solid tumors: an overview. <i>Seminars in Radiation Oncology</i> , 2009 , 19, 71-7	5.5	142
232	Differential Maintenance of Primitive Human SCID-Repopulating Cells, Clonogenic Progenitors, and Long-Term Culture-Initiating Cells After Incubation on Human Bone Marrow Stromal Cells. <i>Blood</i> , 1997 , 90, 641-650	2.2	140
231	Individual stem cells with highly variable proliferation and self-renewal properties comprise the human hematopoietic stem cell compartment. <i>Nature Immunology</i> , 2006 , 7, 1225-33	19.1	139
230	Normal and leukemic human stem cells assayed in SCID mice. <i>Seminars in Immunology</i> , 1996 , 8, 197-206	10.7	134
229	Multiple cellular antigen detection by ICP-MS. <i>Journal of Immunological Methods</i> , 2006 , 308, 68-76	2.5	127
228	Chelation of intracellular iron with the antifungal agent ciclopirox olamine induces cell death in leukemia and myeloma cells. <i>Blood</i> , 2009 , 114, 3064-73	2.2	126
227	Lentivector-mediated clonal tracking reveals intrinsic heterogeneity in the human hematopoietic stem cell compartment and culture-induced stem cell impairment. <i>Blood</i> , 2004 , 103, 545-52	2.2	126

226	Human short-term repopulating stem cells are efficiently detected following intrafemoral transplantation into NOD/SCID recipients depleted of CD122+ cells. <i>Blood</i> , 2005 , 106, 1259-61	2.2	122
225	Acute myeloid leukemia stem cells. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1044, 1-5	6.5	121
224	miR-126 Regulates Distinct Self-Renewal Outcomes in Normal and Malignant Hematopoietic Stem Cells. <i>Cancer Cell</i> , 2016 , 29, 214-28	24.3	118
223	Efficacy of Retinoids in IKZF1-Mutated BCR-ABL1 Acute Lymphoblastic Leukemia. <i>Cancer Cell</i> , 2015 , 28, 343-56	24.3	114
222	Characterization in vitro and engraftment potential in vivo of human progenitor T cells generated from hematopoietic stem cells. <i>Blood</i> , 2009 , 114, 972-82	2.2	105
221	Engraftment of human hematopoietic stem cells is more efficient in female NOD/SCID/IL-2Rgc-null recipients. <i>Blood</i> , 2010 , 115, 3704-7	2.2	100
220	Disruption of SIRP β signaling in macrophages eliminates human acute myeloid leukemia stem cells in xenografts. <i>Journal of Experimental Medicine</i> , 2012 , 209, 1883-99	16.6	97
219	Truncating Erythropoietin Receptor Rearrangements in Acute Lymphoblastic Leukemia. <i>Cancer Cell</i> , 2016 , 29, 186-200	24.3	92
218	Direct evidence for cooperating genetic events in the leukemic transformation of normal human hematopoietic cells. <i>Leukemia</i> , 2005 , 19, 1794-805	10.7	92
217	Lysosomal disruption preferentially targets acute myeloid leukemia cells and progenitors. <i>Journal of Clinical Investigation</i> , 2013 , 123, 315-28	15.9	91
216	Acute myeloid leukemia. <i>Hematology American Society of Hematology Education Program</i> , 2001 , 2001, 62-86	3.1	90
215	Comment on "Tumor growth need not be driven by rare cancer stem cells". <i>Science</i> , 2007 , 318, 1722; author reply 1722	33.3	83
214	Biology of normal and acute myeloid leukemia stem cells. <i>International Journal of Hematology</i> , 2005 , 82, 389-96	2.3	83
213	Human acute myeloid leukemia stem cells. <i>Archives of Medical Research</i> , 2003 , 34, 507-14	6.6	82
212	Engraftment of immune-deficient mice with primitive hematopoietic cells from beta-thalassemia and sickle cell anemia patients: implications for evaluating human gene therapy protocols. <i>Human Molecular Genetics</i> , 1995 , 4, 163-72	5.6	79
211	PLZF is a regulator of homeostatic and cytokine-induced myeloid development. <i>Genes and Development</i> , 2009 , 23, 2076-87	12.6	78
210	Leukemia-initiating cells in human T-lymphoblastic leukemia exhibit glucocorticoid resistance. <i>Blood</i> , 2010 , 116, 5268-79	2.2	78
209	Canadian Society of Surgical Oncology Nineteenth Annual Scientific Meeting What provider volume is appropriate for gastric cancer resection? Results of a RAND/UCLA expert panel Self-renewal as a therapeutic target in human colorectal cancer A novel hepatic parenchymal preserving technique in the management of neuroendocrine tumour liver metastases: a feasible approach Inflammatory markers predict survival in liver metastases from colorectal cancer Resection of multisite metastases from colorectal cancer: feasibility. <i>Canadian Journal of Surgery</i> , 2012 , 55, 212-215	2	78

208	Low rhodamine 123 retention identifies long-term human hematopoietic stem cells within the Lin-CD34+CD38- population. <i>Blood</i> , 2007 , 109, 543-5	2.2	74
207	Transplantation of normal and leukemic human bone marrow into immune-deficient mice: development of animal models for human hematopoiesis. <i>Immunological Reviews</i> , 1991 , 124, 25-43	11.3	74
206	Essential role for Ptpn11 in survival of hematopoietic stem and progenitor cells. <i>Blood</i> , 2011 , 117, 4253-61	6.1	72
205	Retroviral transduction of TLS-ERG initiates a leukemogenic program in normal human hematopoietic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 8239-44	11.5	69
204	Modulation of gene expression in multiple hematopoietic cell lineages following retroviral vector gene transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987 , 84, 789-93	11.5	69
203	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. <i>Journal of Nuclear Medicine</i> , 2006 , 47, 827-36	8.9	66
202	Expression of human adenosine deaminase in murine haematopoietic progenitor cells following retroviral transfer. <i>Nature</i> , 1986 , 322, 385-7	50.4	65
201	MLL5 Orchestrates a Cancer Self-Renewal State by Repressing the Histone Variant H3.3 and Globally Reorganizing Chromatin. <i>Cancer Cell</i> , 2015 , 28, 715-729	24.3	64
200	Human solid tumor xenografts in immunodeficient mice are vulnerable to lymphomagenesis associated with Epstein-Barr virus. <i>PLoS ONE</i> , 2012 , 7, e39294	3.7	61
199	Daily Onset of Light and Darkness Differentially Controls Hematopoietic Stem Cell Differentiation and Maintenance. <i>Cell Stem Cell</i> , 2018 , 23, 572-585.e7	18	59
198	Bone Marrow Failure in the Fanconi Anemia Group C Mouse Model After DNA Damage. <i>Blood</i> , 1998 , 91, 2737-2744	2.2	58
197	AGS67E, an Anti-CD37 Monomethyl Auristatin E Antibody-Drug Conjugate as a Potential Therapeutic for B/T-Cell Malignancies and AML: A New Role for CD37 in AML. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 1650-60	6.1	56
196	Dynamic changes in cellular and microenvironmental composition can be controlled to elicit in vitro human hematopoietic stem cell expansion. <i>Experimental Hematology</i> , 2005 , 33, 1229-39	3.1	56
195	Dissociation of telomerase activity and telomere length maintenance in primitive human hematopoietic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 14398-403	11.5	56
194	Quantitative single-cell proteomics as a tool to characterize cellular hierarchies. <i>Nature Communications</i> , 2021 , 12, 3341	17.4	53
193	Hematopoietic compartment of Fanconi anemia group C null mice contains fewer lineage-negative CD34+ primitive hematopoietic cells and shows reduced reconstruction ability. <i>Experimental Hematology</i> , 1999 , 27, 1667-74	3.1	50
192	Reduced lymphoid lineage priming promotes human hematopoietic stem cell expansion. <i>Cell Stem Cell</i> , 2014 , 14, 94-106	18	49
191	Zebrafish microRNA-126 determines hematopoietic cell fate through c-Myb. <i>Leukemia</i> , 2011 , 25, 506-14	10.7	49

190	Gene expression and mutation-guided synthetic lethality eradicates proliferating and quiescent leukemia cells. <i>Journal of Clinical Investigation</i> , 2017 , 127, 2392-2406	15.9	49
189	Comprehensive genomic screens identify a role for PLZF-RARalpha as a positive regulator of cell proliferation via direct regulation of c-MYC. <i>Blood</i> , 2009 , 114, 5499-511	2.2	46
188	miRNA-126 Orchestrates an Oncogenic Program in B Cell Precursor Acute Lymphoblastic Leukemia. <i>Cancer Cell</i> , 2016 , 29, 905-921	24.3	45
187	Mutational landscape and patterns of clonal evolution in relapsed pediatric acute lymphoblastic leukemia. <i>Blood Cancer Discovery</i> , 2020 , 1, 96-111	7	44
186	Intercellular network structure and regulatory motifs in the human hematopoietic system. <i>Molecular Systems Biology</i> , 2014 , 10, 741	12.2	41
185	Ectopic miR-125a Expression Induces Long-Term Repopulating Stem Cell Capacity in Mouse and Human Hematopoietic Progenitors. <i>Cell Stem Cell</i> , 2016 , 19, 383-96	18	40
184	Sphingolipid Modulation Activates Proteostasis Programs to Govern Human Hematopoietic Stem Cell Self-Renewal. <i>Cell Stem Cell</i> , 2019 , 25, 639-653.e7	18	40
183	Integrated Stress Response Activity Marks Stem Cells in Normal Hematopoiesis and Leukemia. <i>Cell Reports</i> , 2018 , 25, 1109-1117.e5	10.6	39
182	Reversible cell surface expression of CD38 on CD34-positive human hematopoietic repopulating cells. <i>Experimental Hematology</i> , 2007 , 35, 1429-36	3.1	38
181	Relapse-Fated Latent Diagnosis Subclones in Acute B Lineage Leukemia Are Drug Tolerant and Possess Distinct Metabolic Programs. <i>Cancer Discovery</i> , 2020 , 10, 568-587	24.4	37
180	Auger electron radioimmunotherapeutic agent specific for the CD123+/CD131- phenotype of the leukemia stem cell population. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 1465-73	8.9	36
179	Enhanced alternative splicing of the FLVCR1 gene in Diamond Blackfan anemia disrupts FLVCR1 expression and function that are critical for erythropoiesis. <i>Haematologica</i> , 2008 , 93, 1617-26	6.6	35
178	Allogeneic Human Double Negative T Cells as a Novel Immunotherapy for Acute Myeloid Leukemia and Its Underlying Mechanisms. <i>Clinical Cancer Research</i> , 2018 , 24, 370-382	12.9	34
177	Hematopoietic cell fate and the initiation of leukemic properties in primitive primary human cells are influenced by Ras activity and farnesyltransferase inhibition. <i>Molecular and Cellular Biology</i> , 2004 , 24, 6993-7002	4.8	34
176	Engraftment of human lymphoid cells into newborn SCID mice leads to graft-versus-host disease. <i>International Immunology</i> , 1993 , 5, 1509-22	4.9	33
175	Anaplastic large cell lymphoma-propagating cells are detectable by side population analysis and possess an expression profile reflective of a primitive origin. <i>Oncogene</i> , 2015 , 34, 1843-52	9.2	32
174	Inherited myeloproliferative neoplasm risk affects haematopoietic stem cells. <i>Nature</i> , 2020 , 586, 769-775	50.4	32
173	A small molecule screening strategy with validation on human leukemia stem cells uncovers the therapeutic efficacy of kintin riboside. <i>Blood</i> , 2012 , 119, 1200-7	2.2	31

172	Identification of genes expressed by immune cells of the colon that are regulated by colorectal cancer-associated variants. <i>International Journal of Cancer</i> , 2014 , 134, 2330-41	7.5	28
171	Oncogenic potential of the transcription factor LYL1 in acute myeloblastic leukemia. <i>Leukemia</i> , 2005 , 19, 1941-7	10.7	28
170	Expression of TEL-JAK2 in primary human hematopoietic cells drives erythropoietin-independent erythropoiesis and induces myelofibrosis in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 16930-5	11.5	27
169	Genetic manipulation of hematopoietic stem cells with retrovirus vectors. <i>Trends in Genetics</i> , 1986 , 2, 165-170	8.5	25
168	CC-90009, a novel cereblon E3 ligase modulator, targets acute myeloid leukemia blasts and leukemia stem cells. <i>Blood</i> , 2021 , 137, 661-677	2.2	25
167	Dominant-negative Ikaros cooperates with BCR-ABL1 to induce human acute myeloid leukemia in xenografts. <i>Leukemia</i> , 2015 , 29, 177-87	10.7	22
166	The stem cell-associated gene expression signature allows risk stratification in pediatric acute myeloid leukemia. <i>Leukemia</i> , 2019 , 33, 348-357	10.7	22
165	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. <i>Blood</i> , 1998 , 92, 2024-2031	2.2	21
164	Human stem cell assays in immune-deficient mice. <i>Current Opinion in Hematology</i> , 1996 , 3, 405-9	3.3	21
163	Molecular landscapes of human hematopoietic stem cells in health and leukemia. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1370, 5-14	6.5	21
162	Characterization of cord blood hematopoietic stem cells. <i>Annals of the New York Academy of Sciences</i> , 2003 , 996, 67-71	6.5	20
161	Membrane glycoprotein changes during the senescence of normal human diploid fibroblasts in culture. <i>Mechanisms of Ageing and Development</i> , 1985 , 30, 273-83	5.6	19
160	Ribonucleotide reduction in intact human diploid fibroblasts. <i>Journal of Cellular Physiology</i> , 1980 , 105, 63-72	7	18
159	Studies of mammalian ribonucleotide reductase activity in intact permeabilized cells: a genetic approach. <i>Advances in Enzyme Regulation</i> , 1980 , 19, 105-27		18
158	Characterization and retroviral transduction of an early human lymphomyeloid precursor assayed in nonswitched long-term culture on murine stroma. <i>Experimental Hematology</i> , 1999 , 27, 1097-106	3.1	17
157	Molecular and functional characterization of early human hematopoiesis. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1266, 68-71	6.5	16
156	Functional profiling of single CRISPR/Cas9-edited human long-term hematopoietic stem cells. <i>Nature Communications</i> , 2019 , 10, 4730	17.4	15
155	Enhanced human hematopoietic stem and progenitor cell engraftment by blocking donor T cell-mediated TNF signaling. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	15

154	Future prospects for animal models created by transplanting human haematopoietic cells into immune-deficient mice. <i>Research in Immunology</i> , 1994 , 145, 380-4		15
153	Involvement of ribonucleotide reductase activity in the senescence of normal human diploid fibroblasts. <i>Mechanisms of Ageing and Development</i> , 1982 , 20, 103-9	5.6	15
152	A stemness screen reveals as a promoter of human leukemia stem cell latency. <i>Blood</i> , 2019 , 133, 2198-2211		14
151	In vivo dynamics of human stem cell repopulation in NOD/SCID mice. <i>Annals of the New York Academy of Sciences</i> , 2001 , 938, 184-90	6.5	14
150	CD200 expression marks leukemia stem cells in human AML. <i>Blood Advances</i> , 2020 , 4, 5402-5413	7.8	13
149	Lnk adaptor suppresses radiation resistance and radiation-induced B-cell malignancies by inhibiting IL-11 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20599-604	11.5	13
148	SMYD2 lysine methyltransferase regulates leukemia cell growth and regeneration after genotoxic stress. <i>Oncotarget</i> , 2017 , 8, 16712-16727	3.3	13
147	High efficiency error suppression for accurate detection of low-frequency variants. <i>Nucleic Acids Research</i> , 2019 , 47, e87	20.1	12
146	An Integrated Analysis of Heterogeneous Drug Responses in Acute Myeloid Leukemia That Enables the Discovery of Predictive Biomarkers. <i>Cancer Research</i> , 2016 , 76, 1214-24	10.1	12
145	AGS62P1, a Novel Anti-FLT3 Antibody Drug Conjugate, Employing Site Specific Conjugation, Demonstrates Preclinical Anti-Tumor Efficacy in AML Tumor and Patient Derived Xenografts. <i>Blood</i> , 2015 , 126, 3806-3806	2.2	12
144	Messenger RNA Detection in Leukemia Cell lines by Novel Metal-Tagged in situ Hybridization using Inductively Coupled Plasma Mass Spectrometry. <i>Translational Oncogenomics</i> , 2006 , 1, 1-9		12
143	Quantitative Single-Cell Proteomics as a Tool to Characterize Cellular Hierarchies		12
142	Human Aging Alters the Spatial Organization between CD34+ Hematopoietic Cells and Adipocytes in Bone Marrow. <i>Stem Cell Reports</i> , 2020 , 15, 317-325	8	12
141	Enhancer Hijacking Drives Oncogenic Expression in Lineage-Ambiguous Stem Cell Leukemia. <i>Cancer Discovery</i> , 2021 , 11, 2846-2867	24.4	12
140	The role of PLZF in human myeloid development. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1176, 150-3	6.5	11
139	Absence of CD34 on some human SCID-repopulating cells. <i>Annals of the New York Academy of Sciences</i> , 1999 , 872, 211-7; discussion 217-9	6.5	11
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