Cynthia E Dunbar

List of Publications by Year
in descending order

245 papers	16,268 citations	19657 61 h-index	18130 120 g-index
251 all docs	251 docs citations	251 times ranked	14838 citing authors

#	Article	IF	Citations
1	Correction of X-linked chronic granulomatous disease by gene therapy, augmented by insertional activation of MDS1-EVI1, PRDM16 or SETBP1. Nature Medicine, 2006, 12, 401-409.	30.7	1,129
2	Regression of Metastatic Renal-Cell Carcinoma after Nonmyeloablative Allogeneic Peripheral-Blood Stem-Cell Transplantation. New England Journal of Medicine, 2000, 343, 750-758.	27.0	977
3	Gene therapy comes of age. Science, 2018, 359, .	12.6	936
4	MRI detection of single particles for cellular imaging. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10901-10906.	7.1	468
5	Serial Cardiac Magnetic Resonance Imaging of Injected Mesenchymal Stem Cells. Circulation, 2003, 108, 1009-1014.	1.6	457
6	Eltrombopag and Improved Hematopoiesis in Refractory Aplastic Anemia. New England Journal of Medicine, 2012, 367, 11-19.	27.0	454
7	Highly efficient endosomal labeling of progenitor and stem cells with large magnetic particles allows magnetic resonance imaging of single cells. Blood, 2003, 102, 867-872.	1.4	404
8	Eltrombopag Added to Standard Immunosuppression for Aplastic Anemia. New England Journal of Medicine, 2017, 376, 1540-1550.	27.0	393
9	Eltrombopag restores trilineage hematopoiesis in refractory severe aplastic anemia that can be sustained on discontinuation of drug. Blood, 2014, 123, 1818-1825.	1.4	336
10	Genetic Inactivation of CD33 in Hematopoietic Stem Cells to Enable CAR T Cell Immunotherapy for Acute Myeloid Leukemia. Cell, 2018, 173, 1439-1453.e19.	28.9	323
11	Hepatitis-Associated Aplastic Anemia. New England Journal of Medicine, 1997, 336, 1059-1064.	27.0	293
12	Genotoxicity of Retroviral Integration In Hematopoietic Cells. Molecular Therapy, 2006, 13, 1031-1049.	8.2	276
13	Imatinib inhibits T-cell receptor-mediated T-cell proliferation and activation in a dose-dependent manner. Blood, 2005, 105, 2473-2479.	1.4	264
14	Distinct Genomic Integration of MLV and SIV Vectors in Primate Hematopoietic Stem and Progenitor Cells. PLoS Biology, 2004, 2, e423.	5.6	243
15	Molecular remission and reversal of myelofibrosis in response to imatinib mesylate treatment in patients with the myeloproliferative variant of hypereosinophilic syndrome. Blood, 2004, 103, 473-478.	1.4	237
16	Polyclonal long-term repopulating stem cell clones in a primate model. Blood, 2002, 100, 2737-2743.	1.4	219
17	Outcomes and Risks of Granulocyte Colony-Stimulating Factor in Patients With Coronary Artery Disease. Journal of the American College of Cardiology, 2005, 46, 1643-1648.	2.8	206
18	Persistence and expression of the adenosine deaminase gene for 12 years and immune reaction to gene transfer components: long-term results of the first clinical gene therapy trial. Blood, 2003, 101, 2563-2569.	1.4	203

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19	Antithymocyte Globulin for Treatment of the Bone Marrow Failure Associated with Myelodysplastic Syndromes. Annals of Internal Medicine, 2002, 137, 156.	3.9	196
20	AMD3100 mobilizes hematopoietic stem cells with long-term repopulating capacity in nonhuman primates. Blood, 2006, 107, 3772-3778.	1.4	183
21	Rapid mobilization of hematopoietic progenitors by AMD3100 and catecholamines is mediated by CXCR4-dependent SDF-1 release from bone marrow stromal cells. Leukemia, 2011, 25, 1286-1296.	7.2	180
22	Efficient gene transfer into rhesus repopulating hematopoietic stem cells using a simian immunodeficiency virusâ€“based lentiviral vector system. Blood, 2004, 103, 4062-4069.	1.4	161
23	High-dose cyclophosphamide in severe aplastic anaemia: a randomised trial. Lancet, The, 2000, 356, 1554-1559.	13.7	151
24	Recurrent retroviral vector integration at the Mds1/Evi1 locus in nonhuman primate hematopoietic cells. Blood, 2005, 106, 2530-2533.	1.4	150
25	Clonal Tracking of Rhesus Macaque Hematopoiesis Highlights a Distinct Lineage Origin for Natural Killer Cells. Cell Stem Cell, 2014, 14, 486-499.	11.1	149
26	American society of gene therapy (ASGT) ad hoc subcommittee on retroviral-mediated gene transfer to hematopoietic stem cells. Molecular Therapy, 2003, 8, 180-187.	8.2	147
27	Retroviral Transfer of the Glucocerebrosidase Gene into CD34⁺Cells from Patients with Gaucher Disease:In VivoDetection of Transduced Cells without Myeloablation. Human Gene Therapy, 1998, 9, 2629-2640.	2.7	144
28	Engraftment of MDR1 and NeoR Gene-Transduced Hematopoietic Cells After Breast Cancer Chemotherapy. Blood, 1999, 94, 52-61.	1.4	142
29	Rabaptin-5 is a novel fusion partner to platelet-derived growth factor Î² receptor in chronic myelomonocytic leukemia. Blood, 2001, 98, 2518-2525.	1.4	134
30	Acute myeloid leukemia is associated with retroviral gene transfer to hematopoietic progenitor cells in a rhesus macaque. Blood, 2006, 107, 3865-3867.	1.4	129
31	Patients with myeloid malignancies bearing PDGFRB fusion genes achieve durable long-term remissions with imatinib. Blood, 2014, 123, 3574-3577.	1.4	118
32	Activity of STI571 in chronic myelomonocytic leukemia with a platelet-derived growth factor Î² receptor fusion oncogene. Blood, 2002, 100, 1088-1091.	1.4	117
33	Retroviral Transfer of the Glucocerebrosidase Gene into CD34+ Cells from Patients with Gaucher Disease: In Vivo Detection of Transduced Cells without Myeloablation. Human Gene Therapy, 1998, 9, 2629-2640.	2.7	112
34	Many multipotential gene-marked progenitor or stem cell clones contribute to hematopoiesis in nonhuman primates. Blood, 2000, 96, 1-8.	1.4	112
35	Prolonged High-Level Detection of Retrovirally Marked Hematopoietic Cells in Nonhuman Primates after Transduction of CD34+ Progenitors Using Clinically Feasible Methods. Molecular Therapy, 2000, 1, 285-293.	8.2	111
36	Donor demographic and laboratory predictors of allogeneic peripheral blood stem cell mobilization in an ethnically diverse population. Blood, 2008, 112, 2092-2100.	1.4	111

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37	Keratinocyte growth factor augments immune reconstitution after autologous hematopoietic progenitor cell transplantation in rhesus macaques.. Blood, 2007, 110, 441-449.	1.4	106
38	Cytokine-independent growth and clonal expansion of a primary human CD8+ T-cell clone following retroviral transduction with the IL-15 gene. Blood, 2007, 109, 5168-5177.	1.4	101
39	Relapse following discontinuation of imatinib mesylate therapy for FIP1L1/PDGFRA-positive chronic eosinophilic leukemia: implications for optimal dosing. Blood, 2007, 110, 3552-3556.	1.4	100
40	Green Fluorescent Protein Retroviral Vectors: Low Titer and High Recombination Frequency Suggest a Selective Disadvantage. Human Gene Therapy, 1997, 8, 1313-1319.	2.7	95
41	High-dose cyclophosphamide with autologous lymphocyteâ€“depleted peripheral blood stem cell (PBSC) support for treatment of refractory chronic autoimmune thrombocytopenia. Blood, 2003, 101, 71-77.	1.4	95
42	An Introduction to the Analysis of Single-Cell RNA-Sequencing Data. Molecular Therapy - Methods and Clinical Development, 2018, 10, 189-196.	4.1	95
43	Long-Term Clinical and Molecular Follow-up of Large Animals Receiving Retrovirally Transduced Stem and Progenitor Cells: No Progression to Clonal Hematopoiesis or Leukemia. Molecular Therapy, 2004, 9, 389-395.	8.2	94
44	Intercellular transfer to signalling endosomes regulates an ex vivo bone marrow niche. Nature Cell Biology, 2009, 11, 303-311.	10.3	90
45	Stem cell gene therapy: the risks of insertional mutagenesis and approaches to minimize genotoxicity. Frontiers of Medicine, 2011, 5, 356-371.	3.4	90
46	Pharmacological Modulation of Humoral Immunity in a Nonhuman Primate Model of AAV Gene Transfer for Hemophilia B. Molecular Therapy, 2012, 20, 1410-1416.	8.2	90
47	Adaptive NK cells can persist in patients with GATA2 mutation depleted of stem and progenitor cells. Blood, 2017, 129, 1927-1939.	1.4	89
48	Avoidance of stimulation improves engraftment of cultured and retrovirally transduced hematopoietic cells in primates. Journal of Clinical Investigation, 2001, 108, 447-455.	8.2	89
49	Dynamics of HSPC Repopulation in Nonhuman Primates Revealed by a Decade-Long Clonal-Tracking Study. Cell Stem Cell, 2014, 14, 473-485.	11.1	87
50	Retroviral Mediated Transfer of the Human Multidrug Resistance Gene (MDR-1) into Hematopoietic Stem Cells During Autologous Transplantation after Intensive Chemotherapy for Metastatic Breast Cancer. National Institutes of Health, Bethesda, Maryland. Human Gene Therapy, 1994, 5, 891-911.	2.7	84
51	Path to the Clinic: Assessment of iPSC-Based Cell Therapies InÂVivo in a Nonhuman Primate Model. Cell Reports, 2014, 7, 1298-1309.	6.4	84
52	Gene transfer into hematopoietic progenitor and stem cells: Progress and problems. Stem Cells, 1994, 12, 563-576.	3.2	81
53	Hematopoietic stem-cell behavior in nonhuman primates. Blood, 2007, 110, 1806-1813.	1.4	78
54	Treatment optimization and genomic outcomes in refractory severe aplastic anemia treated with eltrombopag. Blood, 2019, 133, 2575-2585.	1.4	77

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55	Update on the Use of Nonhuman Primate Models for Preclinical Testing of Gene Therapy Approaches Targeting Hematopoietic Cells. Human Gene Therapy, 2001, 12, 607-617.	2.7	76
56	Multilineage involvement of the fusion gene in patients with FIP1L1/PDGFRAâ€positive hypereosinophilic syndrome. British Journal of Haematology, 2006, 132, 286-292.	2.5	76
57	Eltrombopag maintains human hematopoietic stem and progenitor cells under inflammatory conditions mediated by IFN-Î³. Blood, 2019, 133, 2043-2055.	1.4	76
58	Introduction of a Xenogeneic Gene via Hematopoietic Stem Cells Leads to Specific Tolerance in a Rhesus Monkey Model. Molecular Therapy, 2000, 1, 533-544.	8.2	73
59	GENE TRANSFER TO HEMATOPOIETIC STEM CELLS: Implications for Gene Therapy of Human Disease. Annual Review of Medicine, 1996, 47, 11-20.	12.2	72
60	Mobilization as a preparative regimen for hematopoietic stem cell transplantation. Blood, 2006, 107, 3764-3771.	1.4	70
61	Hematopoietic stem cell engineering at a crossroads. Blood, 2012, 119, 1107-1116.	1.4	67
62	An AAVS1-Targeted Minigene Platform for Correction of iPSCs From All Five Types of Chronic Granulomatous Disease. Molecular Therapy, 2015, 23, 147-157.	8.2	63
63	Transplant dose of CD34+ and CD3+ cells predicts outcome in patients with haematological malignancies undergoing T cell-depleted peripheral blood stem cell transplants with delayed donor lymphocyte add-back. British Journal of Haematology, 2001, 115, 95-104.	2.5	62
64	iPSCs and fibroblast subclones from the same fibroblast population contain comparable levels of sequence variations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1964-1969.	7.1	61
65	Antibody-mediated cell labeling of peripheral T cells with micron-sized iron oxide particles (MPIOs) allows single cell detection by MRI. Contrast Media and Molecular Imaging, 2007, 2, 147-153.	0.8	60
66	The MDS1â€“EVI1 Gene Complex as a Retrovirus Integration Site: Impact on Behavior of Hematopoietic Cells and Implications for Gene Therapy. Molecular Therapy, 2008, 16, 439-449.	8.2	60
67	Development of an inducible caspase-9 safety switch for pluripotent stem cellâ€“based therapies. Molecular Therapy - Methods and Clinical Development, 2014, 1, 14053.	4.1	59
68	The effect of multidrug-resistance 1 gene versus neotransduction on ex vivo and in vivo expansion of rhesus macaque hematopoietic repopulating cells. Blood, 2001, 97, 1888-1891.	1.4	58
69	Prediction and prevention of transplant-related mortality from pulmonary causes after total body irradiation and allogeneic stem cell transplantation. Biology of Blood and Marrow Transplantation, 2005, 11, 223-230.	2.0	58
70	Defective telomere elongation and hematopoiesis from telomerase-mutant aplastic anemia iPSCs. Journal of Clinical Investigation, 2013, 123, 1952-1963.	8.2	58
71	<scp>IFN</scp>â€Î³ regulates survival and function of tumorâ€induced <scp>CD</scp>11b⁺<scp>G</scp>râ€1^{high} myeloid derived suppressor cells by modulating the antiâ€apoptotic molecule <scp>B</scp>cl2a1. European Journal of Immunology, 2014, 44, 2457-2467.	2.9	57
72	Retroviral Mediated Transfer of the cDNA for Human Glucocerebrosidase into Hematopoietic Stem Cells of Patients with Gaucher Disease. A Phase I Study. National Institutes of Health, Bethesda, Maryland. Human Gene Therapy, 1996, 7, 231-253.	2.7	54

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73	Quantitative stability of hematopoietic stem and progenitor cell clonal output in rhesus macaques receiving transplants. Blood, 2017, 129, 1448-1457.	1.4	53
74	In vivo selection of hematopoietic progenitor cells and temozolomide dose intensification in rhesus macaques through lentiviral transduction with a drug resistance gene. Journal of Clinical Investigation, 2009, 119, 1952-63.	8.2	53
75	Dexpramipexole as an oral steroid-sparing agent in hypereosinophilic syndromes. Blood, 2018, 132, 501-509.	1.4	52
76	Treatment of Diamond-Blackfan anaemia with haematopoietic growth factors, granulocyte-macrophage colony stimulating factor and interleukin 3: sustained remissions following IL-3. British Journal of Haematology, 1991, 79, 316-321.	2.5	51
77	Retroviral transduction efficiency of G-CSF+SCFâ€“mobilized peripheral blood CD34+ cells is superior to G-CSF or G-CSF+Flt3-Lâ€“mobilized cells in nonhuman primates. Blood, 2003, 101, 2199-2205.	1.4	48
78	Sustained high-level polyclonal hematopoietic marking and transgene expression 4 years after autologous transplantation of rhesus macaques with SIV lentiviral vectorâ€“transduced CD34+ cells. Blood, 2009, 113, 5434-5443.	1.4	48
79	Insertion Sites in Engrafted Cells Cluster Within a Limited Repertoire of Genomic Areas After Gammaretroviral Vector Gene Therapy. Molecular Therapy, 2011, 19, 2031-2039.	8.2	48
80	In VivoTracking of Adoptively Transferred Natural Killer Cells in Rhesus Macaques Using 89Zirconium-Oxine Cell Labeling and PET Imaging. Clinical Cancer Research, 2020, 26, 2573-2581.	7.0	48
81	Genetically Modified CD34+ Hematopoietic Stem Cells Contribute to Turnover of Brain Perivascular Macrophages in Long-Term Repopulated Primates. American Journal of Pathology, 2009, 174, 1808-1817.	3.8	47
82	Gene marking and gene therapy directed at primary hematopoietic cells. Current Opinion in Hematology, 1996, 3, 430-437.	2.5	46
83	Transient in vivo selection of transduced peripheral blood cells using antifolate drug selection in rhesus macaques that received transplants with hematopoietic stem cells expressing dihydrofolate reductase vectors. Blood, 2004, 103, 796-803.	1.4	46
84	Human and rhesus macaque hematopoietic stem cells cannot be purified based only on SLAM family markers. Blood, 2011, 117, 1550-1554.	1.4	46
85	Bone marrow homing and engraftment of human hematopoietic stem and progenitor cells is mediated by a polarized membrane domain. Blood, 2012, 119, 1848-1855.	1.4	46
86	Absence of donor-derived keratinocyte stem cells in skin tissues cultured from patients after mobilized peripheral blood hematopoietic stem cell transplantation. Experimental Hematology, 2002, 30, 943-949.	0.4	45
87	Correction of the disease phenotype in canine leukocyte adhesion deficiency using ex vivo hematopoietic stem cell gene therapy. Blood, 2006, 108, 3313-3320.	1.4	44
88	Assessing the Risks of Genotoxicity in the Therapeutic Development of Induced Pluripotent Stem Cells. Molecular Therapy, 2013, 21, 272-281.	8.2	44
89	Gene Editing of Human Hematopoietic Stem and Progenitor Cells: Promise and Potential Hurdles. Human Gene Therapy, 2016, 27, 729-740.	2.7	42
90	Acquired somatic mutations in PNH reveal long-term maintenance of adaptive NK cells independent of HSPCs. Blood, 2017, 129, 1940-1946.	1.4	42

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91	In Vivo Marking of Rhesus Monkey Lymphocytes by Adeno-Associated Viral Vectors: Direct Comparison With Retroviral Vectors. Blood, 1999, 94, 2263-2270.	1.4	41
92	Clonal expansion and compartmentalized maintenance of rhesus macaque NK cell subsets. Science Immunology, 2018, 3, .	11.9	41
93	Functional Niche Competition Between Normal Hematopoietic Stem and Progenitor Cells and Myeloid Leukemia Cells. Stem Cells, 2015, 33, 3635-3642.	3.2	40
94	Dynamic clonal analysis of murine hematopoietic stem and progenitor cells marked by 5 fluorescent proteins using confocal and multiphoton microscopy. Blood, 2012, 120, e105-e116.	1.4	39
95	The impact of aging on primate hematopoiesis as interrogated by clonal tracking. Blood, 2018, 131, 1195-1205.	1.4	39
96	Retroviral Mediated Gene Transfer of the Fanconi Anemia Complementation Group C Gene to Hematopoietic Progenitors of Group C Patients. National Institutes of Health, Bethesda, Maryland. Human Gene Therapy, 1997, 8, 1715-1730.	2.7	38
97	The impact of low-dose busulfan on clonal dynamics in nonhuman primates. Blood, 2004, 104, 1273-1280.	1.4	38
98	No Evidence for Clonal Selection Due to Lentiviral Integration Sites in Human Induced Pluripotent Stem Cells. Stem Cells, 2010, 28, 687-694.	3.2	36
99	Transcriptome analysis reveals similarities between human blood CD3âˆ’ CD56bright cells and mouse CD127+ innate lymphoid cells. Scientific Reports, 2017, 7, 3501.	3.3	36
100	Large Animal Models for Stem and Progenitor Cell Analysis. Current Protocols in Immunology, 2005, 69, Unit 22A.1.	3.6	34
101	Reduced Genotoxicity of Avian Sarcoma Leukosis Virus Vectors in Rhesus Long-term Repopulating Cells Compared to Standard Murine Retrovirus Vectors. Molecular Therapy, 2008, 16, 1617-1623.	8.2	34
102	Eltrombopag in Aplastic Anemia. Seminars in Hematology, 2015, 52, 31-37.	3.4	34
103	Aberrant Clonal Hematopoiesis following Lentiviral Vector Transduction of HSPCs in a Rhesus Macaque. Molecular Therapy, 2019, 27, 1074-1086.	8.2	34
104	Eltrombopag for patients with moderate aplastic anemia or uni-lineage cytopenias. Blood Advances, 2020, 4, 1700-1710.	5.2	33
105	In VivoPersistence of Retrovirally Transduced Murine Long-Term Repopulating Cells Is Not Limited by Expression of Foreign Gene Products in the Fully or Minimally Myeloablated Setting. Human Gene Therapy, 2001, 12, 1663-1672.	2.7	32
106	Geographic clonal tracking in macaques provides insights into HSPC migration and differentiation. Journal of Experimental Medicine, 2018, 215, 217-232.	8.5	32
107	Differences in the Phenotype, Cytokine Gene Expression Profiles, and In Vivo Alloreactivity of T Cells Mobilized with Plerixafor Compared with G-CSF. Journal of Immunology, 2013, 191, 6241-6249.	0.8	31
108	Bone marrow skeletal stem/progenitor cell defects in dyskeratosis congenita and telomere biology disorders. Blood, 2015, 125, 793-802.	1.4	31

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109	Amendment to Clinical Research Projects: Genetic Marking With Retroviral Vectors to Study the Feasibility of Stem Cell Gene Transfer and the Biology of Hematopoietic Reconstitution After Autologous Transplantation in Multiple Myeloma, Chronic Myelogenous Leukemia, or Metastatic Breast Cancer. Human Gene Therapy, 1993, 4, 205-222.	2.7	30
110	Genetic marking as an approach to studying in vivo hematopoiesis: progress in the non-human primate model. Oncogene, 2002, 21, 3274-3283.	5.9	30
111	Pathophysiology and management of thrombocytopenia in bone marrow failure: possible clinical applications of TPO receptor agonists in aplastic anemia and myelodysplastic syndromes. International Journal of Hematology, 2013, 98, 48-55.	1.6	30
112	Eltrombopag mobilizes iron in patients with aplastic anemia. Blood, 2018, 131, 2399-2402.	1.4	30
113	Transduction of hematopoietic stem cells in humans and in nonhuman primates. Stem Cells, 1997, 15, 135-140.	3.2	28
114	Regulated Apoptosis of Genetically Modified Hematopoietic Stem and Progenitor Cells Via an Inducible Caspase-9 Suicide Gene in Rhesus Macaques. Stem Cells, 2015, 33, 91-100.	3.2	28
115	Busulfan Combined with Immunosuppression Allows Efficient Engraftment of Gene-Modified Cells in a Rhesus Macaque Model. Molecular Therapy, 2019, 27, 1586-1596.	8.2	28
116	5-AZACYTIDINE TREATMENT IN A Î²o-THALASSAEMIC PATIENT UNABLE TO BE TRANSFUSED DUE TO MULTIPLE ALLOANTIBODIES. British Journal of Haematology, 1989, 72, 467-467.	2.5	27
117	Hematopoietic stem cell gene therapy: dead or alive?. Trends in Biotechnology, 2005, 23, 589-597.	9.3	26
118	Large granular lymphocytic proliferation-associated cyclic thrombocytopenia. American Journal of Hematology, 2005, 79, 334-336.	4.1	26
119	Sorting of Transgenic Secretory Proteins in Rhesus Macaque Parotid Glands After Adenovirus-Mediated Gene Transfer. Human Gene Therapy, 2008, 19, 1401-1405.	2.7	26
120	Rhesus iPSC Safe Harbor Gene-Editing Platform for Stable Expression of Transgenes in Differentiated Cells of All Germ Layers. Molecular Therapy, 2017, 25, 44-53.	8.2	26
121	Gene Transfer into Hematopoietic Cells: Implications for Cancer Therapy. Annals of the New York Academy of Sciences, 1994, 716, 216-224.	3.8	25
122	Genetic manipulation of hematopoietic stem cells. Seminars in Hematology, 2004, 41, 257-271.	3.4	25
123	Adeno-Associated Virus Serotype 2-Mediated Gene Transfer to The Parotid Glands of Nonhuman Primates. Human Gene Therapy, 2007, 18, 142-150.	2.7	25
124	GATA2 deficiency and human hematopoietic development modeled using induced pluripotent stem cells. Blood Advances, 2018, 2, 3553-3565.	5.2	25
125	High Efficiency Restriction Enzymeâ€“Free Linear Amplification-Mediated Polymerase Chain Reaction Approach for Tracking Lentiviral Integration Sites Does Not Abrogate Retrieval Bias. Human Gene Therapy, 2013, 24, 38-47.	2.7	24
126	Expression of interferon-Î³ by stromal cells inhibits murine long-term repopulating hematopoietic stem cell activity. Experimental Hematology, 1999, 27, 895-903.	0.4	23

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127	Low-dose total body irradiation causes clonal fluctuation of primate hematopoietic stem and progenitor cells. Blood, 2005, 105, 1010-1015.	1.4	23
128	Human hematopoietic stem cells from mobilized peripheral blood can be purified based on CD49f integrin expression. Blood, 2015, 126, 1631-1633.	1.4	23
129	T cell receptor VB repertoire diversity in patients with immune thrombocytopenia following splenectomy. Clinical and Experimental Immunology, 2003, 133, 461-466.	2.6	22
130	Thymidine Kinase Suicide Gene-mediated Ganciclovir Ablation of Autologous Gene-modified Rhesus Hematopoiesis. Molecular Therapy, 2012, 20, 1932-1943.	8.2	22
131	Hematopoietic Stem Cell Gene Therapy: Assessing the Relevance of Preclinical Models. Seminars in Hematology, 2013, 50, 101-130.	3.4	22
132	Retroviral Transduction of CD34-Enriched Hematopoietic Progenitor Cells Under Serum-Free Conditions. Human Gene Therapy, 1996, 7, 33-38.	2.7	21
133	Prolonged multilineage clonal hematopoiesis in a rhesus recipient of CD34 positive cells marked with a RD114 pseudotyped oncoretroviral vector. Blood Cells, Molecules, and Diseases, 2003, 30, 132-143.	1.4	21
134	Imatinib-Responsive Hypereosinophilia in a Patient with B Cell ALL. Leukemia and Lymphoma, 2004, 45, 2497-2501.	1.3	21
135	Combination therapy with rFVIIa and platelets for hemorrhage in patients with severe thrombocytopenia and alloimmunization. American Journal of Hematology, 2006, 81, 218-219.	4.1	21
136	BCL2A1a Over-Expression in Murine Hematopoietic Stem and Progenitor Cells Decreases Apoptosis and Results in Hematopoietic Transformation. PLoS ONE, 2012, 7, e48267.	2.5	21
137	Efficient differentiation of cardiomyocytes and generation of calcium-sensor reporter lines from nonhuman primate iPSCs. Scientific Reports, 2018, 8, 5907.	3.3	21
138	Improved Amphotropic Retrovirus-Mediated Gene Transfer into Hematopoietic Stem Cells. Annals of the New York Academy of Sciences, 1998, 850, 139-150.	3.8	20
139	Efficient Characterization of Retroâ€, Lentiâ€, and Foamyvectorâ€Transduced Cell Populations by Highâ€Accuracy Insertion Site Sequencing. Annals of the New York Academy of Sciences, 2003, 996, 112-121.	3.8	20
140	Ex Vivo Expansion of Retrovirally Transduced Primate CD34+ Cells Results in Overrepresentation of Clones With MDS1/EVI1 Insertion Sites in the Myeloid Lineage After Transplantation. Molecular Therapy, 2010, 18, 1633-1639.	8.2	20
141	Integration-specific In Vitro Evaluation of Lentivirally Transduced Rhesus CD34+ Cells Correlates With In Vivo Vector Copy Number. Molecular Therapy - Nucleic Acids, 2013, 2, e122.	5.1	20
142	Murine Long-Term Repopulating Ability Is Compromised by Ex Vivo Culture in Serum-Free Medium Despite Preservation of Committed Progenitors. Stem Cells and Development, 1997, 6, 543-549.	1.0	19
143	Retroviral Transduction and Engraftment Ability of Primate Hematopoietic Progenitor and Stem Cells Transduced Under Serum-Free versus Serum-Containing Conditions. Molecular Therapy, 2002, 5, 316-322.	8.2	19
144	The Impact of ex Vivo Cytokine Stimulation on Engraftment of Primitive Hematopoietic Cells in a Nonâ€Human Primate Model. Annals of the New York Academy of Sciences, 2001, 938, 236-245.	3.8	19

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145	No Discrepancy between in Vivo Gene Marking Efficiency Assessed in Peripheral Blood Populations Compared with Bone Marrow Progenitors or CD34+ Cells. Human Gene Therapy, 1999, 10, 633-640.	2.7	18
146	Direct comparison of RD114-pseudotyped versus amphotropic-pseudotyped retroviral vectors for transduction of rhesus macaque long-term repopulating cells. Molecular Therapy, 2003, 8, 611-617.	8.2	18
147	Stem Cell Gene Transfer: Insights into Integration and Hematopoiesis from Primate Genetic Marking Studies. Annals of the New York Academy of Sciences, 2005, 1044, 178-182.	3.8	18
148	Graft-versus-Host Disease: Role of Inflammation in the Development of Chromosomal Abnormalities of Keratinocytes. Biology of Blood and Marrow Transplantation, 2010, 16, 1665-1673.	2.0	18
149	Contributions of Gene Marking to Cell and Gene Therapies. Human Gene Therapy, 2011, 22, 659-668.	2.7	18
150	No Evidence of Clonal Dominance in Primates up to 4 Years Following Transplantation of Multidrug Resistance 1 Retrovirally Transduced Long-Term Repopulating Cells. Stem Cells, 2007, 25, 2610-2618.	3.2	17
151	CRISPR/Cas9 PIG-A gene editing in nonhuman primate model demonstrates no intrinsic clonal expansion of PNH HSPCs. Blood, 2019, 133, 2542-2545.	1.4	17
152	Prediction and validation of hematopoietic stem and progenitor cell off-target editing in transplanted rhesus macaques. Molecular Therapy, 2022, 30, 209-222.	8.2	17
153	Murine Bone Marrow Expressing the Neomycin Resistance Gene Has No Competitive Disadvantage AssessedIn Vivo. Human Gene Therapy, 1998, 9, 1157-1164.	2.7	16
154	The presence of the carboxy-terminal fragment of fibronectin allows maintenance of non-human primate long-term hematopoietic repopulating cells during extended ex vivo culture and transduction. Experimental Hematology, 2004, 32, 163-170.	0.4	16
155	Genotoxic Lemons Become Epigenomic Lemonade. Cell Stem Cell, 2018, 23, 9-10.	11.1	16
156	Telomere dynamics and hematopoietic differentiation of human DKC1-mutant induced pluripotent stem cells. Stem Cell Research, 2019, 40, 101540.	0.7	16
157	Impact of CMV Infection on Natural Killer Cell Clonal Repertoire in CMV-NaÃ¯ve Rhesus Macaques. Frontiers in Immunology, 2019, 10, 2381.	4.8	16
158	CNS Interleukin-3 (IL-3) Expression and Neurological Syndrome in Antisense-IL-3 Transgenic Mice. Journal of Neuropathology and Experimental Neurology, 1999, 58, 480-488.	1.7	15
159	Transduction of Rhesus Macaque Hematopoietic Stem and Progenitor Cells with Avian Sarcoma and Leukosis Virus Vectors. Human Gene Therapy, 2007, 18, 691-700.	2.7	15
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