Carl H June

List of Publications by Year in descending order

320 papers	84,856 citations	433 131 h-index	391 279 g-index
333 all docs	333 docs citations	333 times ranked	51413 citing authors

#	Article	IF	Citations
1	Chimeric Antigen Receptor T Cells for Sustained Remissions in Leukemia. New England Journal of Medicine, 2014, 371, 1507-1517.	13.9	4,444
2	Tisagenlecleucel in Children and Young Adults with B-Cell Lymphoblastic Leukemia. New England Journal of Medicine, 2018, 378, 439-448.	13.9	3,680
3	Chimeric Antigen Receptorâ€“Modified T Cells in Chronic Lymphoid Leukemia. New England Journal of Medicine, 2011, 365, 725-733.	13.9	3,067
4	Chimeric Antigen Receptorâ€“Modified T Cells for Acute Lymphoid Leukemia. New England Journal of Medicine, 2013, 368, 1509-1518.	13.9	3,021
5	T Cells with Chimeric Antigen Receptors Have Potent Antitumor Effects and Can Establish Memory in Patients with Advanced Leukemia. Science Translational Medicine, 2011, 3, 95ra73.	5.8	2,006
6	CAR T cell immunotherapy for human cancer. Science, 2018, 359, 1361-1365.	6.0	1,968
7	Cytokine Storm. New England Journal of Medicine, 2020, 383, 2255-2273.	13.9	1,911
8	Cytokine release syndrome in severe COVID-19. Science, 2020, 368, 473-474.	6.0	1,579
9	Delivery technologies for cancer immunotherapy. Nature Reviews Drug Discovery, 2019, 18, 175-196.	21.5	1,562
10	A human memory T cell subset with stem cellâ€“like properties. Nature Medicine, 2011, 17, 1290-1297.	15.2	1,547
11	Chimeric Antigen Receptor Therapy. New England Journal of Medicine, 2018, 379, 64-73.	13.9	1,488
12	Chimeric antigen receptor T cells persist and induce sustained remissions in relapsed refractory chronic lymphocytic leukemia. Science Translational Medicine, 2015, 7, 303ra139.	5.8	1,402
13	Chimeric Antigen Receptor T Cells in Refractory B-Cell Lymphomas. New England Journal of Medicine, 2017, 377, 2545-2554.	13.9	1,390
14	Gene Editing of<i>CCR5</i>in Autologous CD4 T Cells of Persons Infected with HIV. New England Journal of Medicine, 2014, 370, 901-910.	13.9	1,227
15	The CD28 Signaling Pathway Regulates Glucose Metabolism. Immunity, 2002, 16, 769-777.	6.6	1,201
16	Determinants of response and resistance to CD19 chimeric antigen receptor (CAR) T cell therapy of chronic lymphocytic leukemia. Nature Medicine, 2018, 24, 563-571.	15.2	1,150
17	A single dose of peripherally infused EGFRvIII-directed CAR T cells mediates antigen loss and induces adaptive resistance in patients with recurrent glioblastoma. Science Translational Medicine, 2017, 9, .	5.8	1,116
18	SHP-1 and SHP-2 Associate with Immunoreceptor Tyrosine-Based Switch Motif of Programmed Death 1 upon Primary Human T Cell Stimulation, but Only Receptor Ligation Prevents T Cell Activation. Journal of Immunology, 2004, 173, 945-954.	0.4	989

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19	Chimeric Receptors Containing CD137 Signal Transduction Domains Mediate Enhanced Survival of T Cells and Increased Antileukemic Efficacy In Vivo. Molecular Therapy, 2009, 17, 1453-1464.	3.7	988
20	Cardiovascular toxicity and titin cross-reactivity of affinity-enhanced T cells in myeloma and melanoma. Blood, 2013, 122, 863-871.	0.6	932
21	Infusion of ex vivo expanded T regulatory cells in adults transplanted with umbilical cord blood: safety profile and detection kinetics. Blood, 2011, 117, 1061-1070.	0.6	926
22	Establishment of HIV-1 resistance in CD4+ T cells by genome editing using zinc-finger nucleases. Nature Biotechnology, 2008, 26, 808-816.	9.4	916
23	Engineered T cells: the promise and challenges of cancer immunotherapy. Nature Reviews Cancer, 2016, 16, 566-581.	12.8	876
24	CRISPR-engineered T cells in patients with refractory cancer. Science, 2020, 367, .	6.0	872
25	The Principles of Engineering Immune Cells to Treat Cancer. Cell, 2017, 168, 724-740.	13.5	844
26	Identification of Predictive Biomarkers for Cytokine Release Syndrome after Chimeric Antigen Receptor T-cell Therapy for Acute Lymphoblastic Leukemia. Cancer Discovery, 2016, 6, 664-679.	7.7	811
27	Distinct Signaling of Coreceptors Regulates Specific Metabolism Pathways and Impacts Memory Development in CAR T Cells. Immunity, 2016, 44, 380-390.	6.6	811
28	Control of large, established tumor xenografts with genetically retargeted human T cells containing CD28 and CD137 domains. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3360-3365.	3.3	758
29	NY-ESO-1â€“specific TCRâ€“engineered T cells mediate sustained antigen-specific antitumor effects in myeloma. Nature Medicine, 2015, 21, 914-921.	15.2	728
30	Mesothelin-Specific Chimeric Antigen Receptor mRNA-Engineered T Cells Induce Antitumor Activity in Solid Malignancies. Cancer Immunology Research, 2014, 2, 112-120.	1.6	711
31	Multiplex Genome Editing to Generate Universal CAR T Cells Resistant to PD1 Inhibition. Clinical Cancer Research, 2017, 23, 2255-2266.	3.2	694
32	Human chimeric antigen receptor macrophages for cancer immunotherapy. Nature Biotechnology, 2020, 38, 947-953.	9.4	692
33	Disruption of TET2 promotes the therapeutic efficacy of CD19-targeted T cells. Nature, 2018, 558, 307-312.	13.7	574
34	Antibody-modified T cells: CARs take the front seat for hematologic malignancies. Blood, 2014, 123, 2625-2635.	0.6	558
35	Decade-Long Safety and Function of Retroviral-Modified Chimeric Antigen Receptor T Cells. Science Translational Medicine, 2012, 4, 132ra53.	5.8	555
36	Identification of a Titin-Derived HLA-A1â€“Presented Peptide as a Cross-Reactive Target for Engineered MAGE A3â€“Directed T Cells. Science Translational Medicine, 2013, 5, 197ra103.	5.8	539

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37	B cell maturation antigenâ€“specific CAR T cells are clinically active in multiple myeloma. Journal of Clinical Investigation, 2019, 129, 2210-2221.	3.9	513
38	Chimeric Antigen Receptor T Cells against CD19 for Multiple Myeloma. New England Journal of Medicine, 2015, 373, 1040-1047.	13.9	511
39	T Cells Expressing Chimeric Antigen Receptors Can Cause Anaphylaxis in Humans. Cancer Immunology Research, 2013, 1, 26-31.	1.6	489
40	Dual CD19 and CD123 targeting prevents antigen-loss relapses after CD19-directed immunotherapies. Journal of Clinical Investigation, 2016, 126, 3814-3826.	3.9	472
41	Induction of resistance to chimeric antigen receptor T cell therapy by transduction of a single leukemic B cell. Nature Medicine, 2018, 24, 1499-1503.	15.2	459
42	Engineered CAR T Cells Targeting the Cancer-Associated Tn-Glycoform of the Membrane Mucin MUC1 Control Adenocarcinoma. Immunity, 2016, 44, 1444-1454.	6.6	458
43	Gene transfer in humans using a conditionally replicating lentiviral vector. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17372-17377.	3.3	452
44	Adoptive T cell therapy for cancer in the clinic. Journal of Clinical Investigation, 2007, 117, 1466-1476.	3.9	451
45	Targeting Fibroblast Activation Protein in Tumor Stroma with Chimeric Antigen Receptor T Cells Can Inhibit Tumor Growth and Augment Host Immunity without Severe Toxicity. Cancer Immunology Research, 2014, 2, 154-166.	1.6	448
46	Expression of a Functional CCR2 Receptor Enhances Tumor Localization and Tumor Eradication by Retargeted Human T cells Expressing a Mesothelin-Specific Chimeric Antibody Receptor. Clinical Cancer Research, 2011, 17, 4719-4730.	3.2	441
47	CAR T cells produced in vivo to treat cardiac injury. Science, 2022, 375, 91-96.	6.0	441
48	Affinity-Tuned ErbB2 or EGFR Chimeric Antigen Receptor T Cells Exhibit an Increased Therapeutic Index against Tumors in Mice. Cancer Research, 2015, 75, 3596-3607.	0.4	426
49	Adoptive T Cell Transfer for Cancer Immunotherapy in the Era of Synthetic Biology. Immunity, 2013, 39, 49-60.	6.6	418
50	Enhancing CAR T cell persistence through ICOS and 4-1BB costimulation. JCI Insight, 2018, 3, .	2.3	412
51	A Chimeric Switch-Receptor Targeting PD1 Augments the Efficacy of Second-Generation CAR T Cells in Advanced Solid Tumors. Cancer Research, 2016, 76, 1578-1590.	0.4	411
52	Dominant-Negative TGF-Î² Receptor Enhances PSMA-Targeted Human CAR T Cell Proliferation And Augments Prostate Cancer Eradication. Molecular Therapy, 2018, 26, 1855-1866.	3.7	406
53	Targeting cardiac fibrosis with engineered T cells. Nature, 2019, 573, 430-433.	13.7	404
54	Human T Regulatory Cell Therapy: Take a Billion or So and Call Me in the Morning. Immunity, 2009, 30, 656-665.	6.6	400

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55	Preclinical targeting of human acute myeloid leukemia and myeloablation using chimeric antigen receptorâ€“modified T cells. Blood, 2014, 123, 2343-2354.	0.6	396
56	Ex vivo expansion of polyclonal and antigen-specific cytotoxic T lymphocytes by artificial APCs expressing ligands for the T-cell receptor, CD28 and 4-1BB. Nature Biotechnology, 2002, 20, 143-148.	9.4	395
57	PD-1 blockade modulates chimeric antigen receptor (CAR)â€“modified T cells: refueling the CAR. Blood, 2017, 129, 1039-1041.	0.6	393
58	Multiple Injections of Electroporated Autologous T Cells Expressing a Chimeric Antigen Receptor Mediate Regression of Human Disseminated Tumor. Cancer Research, 2010, 70, 9053-9061.	0.4	388
59	Ibrutinib enhances chimeric antigen receptor T-cell engraftment and efficacy in leukemia. Blood, 2016, 127, 1117-1127.	0.6	381
60	Tumor-Promoting Desmoplasia Is Disrupted by Depleting FAP-Expressing Stromal Cells. Cancer Research, 2015, 75, 2800-2810.	0.4	375
61	Rational development and characterization of humanized antiâ€“EGFR variant III chimeric antigen receptor T cells for glioblastoma. Science Translational Medicine, 2015, 7, 275ra22.	5.8	369
62	Decade-long leukaemia remissions with persistence of CD4+ CAR T cells. Nature, 2022, 602, 503-509.	13.7	369
63	Is autoimmunity the Achilles' heel of cancer immunotherapy?. Nature Medicine, 2017, 23, 540-547.	15.2	367
64	Cytokine Release Syndrome After Chimeric Antigen Receptor T Cell Therapy for Acute Lymphoblastic Leukemia. Critical Care Medicine, 2017, 45, e124-e131.	0.4	357
65	Multifactorial T-cell Hypofunction That Is Reversible Can Limit the Efficacy of Chimeric Antigen Receptorâ€“Transduced Human T cells in Solid Tumors. Clinical Cancer Research, 2014, 20, 4262-4273.	3.2	339
66	Activity of Mesothelin-Specific Chimeric Antigen Receptor T Cells Against Pancreatic Carcinoma Metastases in a Phase 1 Trial. Gastroenterology, 2018, 155, 29-32.	0.6	337
67	Umbilical cord bloodâ€“derived T regulatory cells to prevent GVHD: kinetics, toxicity profile, and clinical effect. Blood, 2016, 127, 1044-1051.	0.6	333
68	Massive ex Vivo Expansion of Human Natural Regulatory T Cells (T _{regs}) with Minimal Loss of in Vivo Functional Activity. Science Translational Medicine, 2011, 3, 83ra41.	5.8	326
69	Personalized cancer vaccine effectively mobilizes antitumor T cell immunity in ovarian cancer. Science Translational Medicine, 2018, 10, .	5.8	326
70	Adoptive cellular therapy: A race to the finish line. Science Translational Medicine, 2015, 7, 280ps7.	5.8	320
71	Chimeric Antigen Receptor Therapy for Cancer. Annual Review of Medicine, 2014, 65, 333-347.	5.0	319
72	Augmentation of Antitumor Immunity by Human and Mouse CAR T Cells Secreting IL-18. Cell Reports, 2017, 20, 3025-3033.	2.9	319

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73	A versatile system for rapid multiplex genome-edited CAR T cell generation. Oncotarget, 2017, 8, 17002-17011.	0.8	319
74	Prolonged survival and tissue trafficking following adoptive transfer of CD4Î¶ gene-modified autologous CD4+ and CD8+ T cells in human immunodeficiency virusâ€“infected subjects. Blood, 2000, 96, 785-793.	0.6	318
75	Safety and Efficacy of Intratumoral Injections of Chimeric Antigen Receptor (CAR) T Cells in Metastatic Breast Cancer. Cancer Immunology Research, 2017, 5, 1152-1161.	1.6	309
76	Opposing Functions of Interferon Coordinate Adaptive and Innate Immune Responses to Cancer Immune Checkpoint Blockade. Cell, 2019, 178, 933-948.e14.	13.5	301
77	Ionizable Lipid Nanoparticle-Mediated mRNA Delivery for Human CAR T Cell Engineering. Nano Letters, 2020, 20, 1578-1589.	4.5	299
78	Ex vivo induction and expansion of antigen-specific cytotoxic T cells by HLA-Igâ€“coated artificial antigen-presenting cells. Nature Medicine, 2003, 9, 619-625.	15.2	291
79	Going viral: chimeric antigen receptor Tâ€•cell therapy for hematological malignancies. Immunological Reviews, 2015, 263, 68-89.	2.8	290
80	Chimeric Antigen Receptor T Cells with Dissociated Signaling Domains Exhibit Focused Antitumor Activity with Reduced Potential for Toxicity <i>In Vivo</i>. Cancer Immunology Research, 2013, 1, 43-53.	1.6	284
81	Restoration of immunity in lymphopenic individuals with cancer by vaccination and adoptive T-cell transfer. Nature Medicine, 2005, 11, 1230-1237.	15.2	282
82	Ibrutinib treatment improves T cell number and function in CLL patients. Journal of Clinical Investigation, 2017, 127, 3052-3064.	3.9	280
83	Cord blood CD4+CD25+-derived T regulatory cell lines express FoxP3 protein and manifest potent suppressor function. Blood, 2005, 105, 750-758.	0.6	276
84	A Phase II Randomized Study of HIV-Specific T-Cell Gene Therapy in Subjects with Undetectable Plasma Viremia on Combination Antiretroviral Therapy. Molecular Therapy, 2002, 5, 788-797.	3.7	275
85	Cellular kinetics of CTL019 in relapsed/refractory B-cell acute lymphoblastic leukemia and chronic lymphocytic leukemia. Blood, 2017, 130, 2317-2325.	0.6	273
86	Single-Cell Analyses Identify Brain Mural Cells Expressing CD19 as Potential Off-Tumor Targets for CAR-T Immunotherapies. Cell, 2020, 183, 126-142.e17.	13.5	269
87	ICOS-based chimeric antigen receptors program bipolar TH17/TH1 cells. Blood, 2014, 124, 1070-1080.	0.6	268
88	Emerging Cellular Therapies for Cancer. Annual Review of Immunology, 2019, 37, 145-171.	9.5	263
89	<i>In Vivo</i>Persistence, Tumor Localization, and Antitumor Activity of CAR-Engineered T Cells Is Enhanced by Costimulatory Signaling through CD137 (4-1BB). Cancer Research, 2011, 71, 4617-4627.	0.4	256
90	Identification of Chimeric Antigen Receptors That Mediate Constitutive or Inducible Proliferation of T Cells. Cancer Immunology Research, 2015, 3, 356-367.	1.6	247

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91	Adoptive Immunotherapy for Cancer or Viruses. Annual Review of Immunology, 2014, 32, 189-225.	9.5	240
92	Engineering Artificial Antigen-presenting Cells to Express a Diverse Array of Co-stimulatory Molecules. Molecular Therapy, 2007, 15, 981-988.	3.7	236
93	Driving gene-engineered T cell immunotherapy of cancer. Cell Research, 2017, 27, 38-58.	5.7	232
94	Making Better Chimeric Antigen Receptors for Adoptive T-cell Therapy. Clinical Cancer Research, 2016, 22, 1875-1884.	3.2	228
95	Control of HIV-1 immune escape by CD8 T cells expressing enhanced T-cell receptor. Nature Medicine, 2008, 14, 1390-1395.	15.2	224
96	The Inducible Costimulator (ICOS) Is Critical for the Development of Human T _H 17 Cells. Science Translational Medicine, 2010, 2, 55ra78.	5.8	221
97	Phase I Study of Lentiviral-Transduced Chimeric Antigen Receptor-Modified T Cells Recognizing Mesothelin in Advanced Solid Cancers. Molecular Therapy, 2019, 27, 1919-1929.	3.7	220
98	Safety, tumor trafficking and immunogenicity of chimeric antigen receptor (CAR)-T cells specific for TAG-72 in colorectal cancer. , 2017, 5, 22.		217
99	Principles of adoptive T cell cancer therapy. Journal of Clinical Investigation, 2007, 117, 1204-1212.	3.9	217
100	Genetic therapies against HIV. Nature Biotechnology, 2007, 25, 1444-1454.	9.4	214
101	A phase 1 trial of donor lymphocyte infusions expanded and activated ex vivo via CD3/CD28 costimulation. Blood, 2006, 107, 1325-1331.	0.6	209
102	Differential Regulation of HIV-1 Fusion Cofactor Expression by CD28 Costimulation of CD4+ T Cells. Science, 1997, 276, 273-276.	6.0	206
103	Improving CART-Cell Therapy of Solid Tumors with Oncolytic Virusâ€“Driven Production of a Bispecific T-cell Engager. Cancer Immunology Research, 2018, 6, 605-616.	1.6	199
104	CAR T-cell therapy for glioblastoma: recent clinical advances and future challenges. Neuro-Oncology, 2018, 20, 1429-1438.	0.6	197
105	Treatment of Advanced Leukemia in Mice with mRNA Engineered T Cells. Human Gene Therapy, 2011, 22, 1575-1586.	1.4	191
106	Pancreatic cancer therapy with combined mesothelin-redirected chimeric antigen receptor T cells and cytokine-armed oncolytic adenoviruses. JCI Insight, 2018, 3, .	2.3	191
107	Nanomaterials for T-cell cancer immunotherapy. Nature Nanotechnology, 2021, 16, 25-36.	15.6	191
108	4-1BB Is Superior to CD28 Costimulation for Generating CD8+ Cytotoxic Lymphocytes for Adoptive Immunotherapy. Journal of Immunology, 2007, 179, 4910-4918.	0.4	190

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109	Persistence of long-lived plasma cells and humoral immunity in individuals responding to CD19-directed CAR T-cell therapy. Blood, 2016, 128, 360-370.	0.6	190
110	Reducing <i>Ex Vivo</i> Culture Improves the Antileukemic Activity of Chimeric Antigen Receptor (CAR) T Cells. Cancer Immunology Research, 2018, 6, 1100-1109.	1.6	189
111	Tales of tails: regulation of telomere length and telomerase activity during lymphocyte development, differentiation, activation, and aging. Immunological Reviews, 1997, 160, 43-54.	2.8	187
112	Prolonged survival and tissue trafficking following adoptive transfer of CD4Î¶ gene-modified autologous CD4+ and CD8+ T cells in human immunodeficiency virusâ€"infected subjects. Blood, 2000, 96, 785-793.	0.6	186
113	Engineering lymphocyte subsets: tools, trials and tribulations. Nature Reviews Immunology, 2009, 9, 704-716.	10.6	185
114	Impaired Death Receptor Signaling in Leukemia Causes Antigen-Independent Resistance by Inducing CAR T-cell Dysfunction. Cancer Discovery, 2020, 10, 552-567.	7.7	184
115	Chimeric antigen receptor (CAR) T therapies for the treatment of hematologic malignancies: clinical perspective and significance. , 2018, 6, 137.		182
116	Adoptive transfer of costimulated T cells induces lymphocytosis in patients with relapsed/refractory non-Hodgkin lymphoma following CD34+-selected hematopoietic cell transplantation. Blood, 2003, 102, 2004-2013.	0.6	181
117	PSMA-targeting TGFÎ²-insensitive armored CAR Tâ€‰cells in metastatic castration-resistant prostate cancer: a phase 1 trial. Nature Medicine, 2022, 28, 724-734.	15.2	171
118	Clinical Pharmacology of Tisagenlecleucel in B-cell Acute Lymphoblastic Leukemia. Clinical Cancer Research, 2018, 24, 6175-6184.	3.2	170
119	Expanding the Therapeutic Window for CAR T Cell Therapy in Solid Tumors: The Knowns and Unknowns of CAR T Cell Biology. Frontiers in Immunology, 2018, 9, 2486.	2.2	169
120	Cutting Edge: Foxp3-Mediated Induction of Pim 2 Allows Human T Regulatory Cells to Preferentially Expand in Rapamycin. Journal of Immunology, 2008, 180, 5794-5798.	0.4	167
121	Optimizing Chimeric Antigen Receptor T-Cell Therapy for Adults With Acute Lymphoblastic Leukemia. Journal of Clinical Oncology, 2020, 38, 415-422.	0.8	162
122	Adoptive transfer of costimulated CD4+ T cells induces expansion of peripheral T cells and decreased CCR5 expression in HIV infection. Nature Medicine, 2002, 8, 47-53.	15.2	161
123	An NK-like CAR TÂcell transition in CAR TÂcell dysfunction. Cell, 2021, 184, 6081-6100.e26.	13.5	160
124	The Addition of the BTK Inhibitor Ibrutinib to Anti-CD19 Chimeric Antigen Receptor T Cells (CART19) Improves Responses against Mantle Cell Lymphoma. Clinical Cancer Research, 2016, 22, 2684-2696.	3.2	157
125	CD28 Costimulation Is Essential for Human T Regulatory Expansion and Function. Journal of Immunology, 2008, 181, 2855-2868.	0.4	152
126	Measuring IL-6 and sIL-6R in serum from patients treated with tocilizumab and/or siltuximab following CAR T cell therapy. Journal of Immunological Methods, 2016, 434, 1-8.	0.6	150

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127	Overcoming the Immunosuppressive Tumor Microenvironment of Hodgkin Lymphoma Using Chimeric Antigen Receptor T Cells. Cancer Discovery, 2017, 7, 1154-1167.	7.7	149
128	Combination immunotherapy using adoptive T-cell transfer and tumor antigen vaccination on the basis of hTERT and survivin after ASCT for myeloma. Blood, 2011, 117, 788-797.	0.6	148
129	Optimized depletion of chimeric antigen receptor T cells in murine xenograft models of human acute myeloid leukemia. Blood, 2017, 129, 2395-2407.	0.6	148
130	Chimeric Antigen Receptorâ€" and TCR-Modified T Cells Enter Main Street and Wall Street. Journal of Immunology, 2015, 195, 755-761.	0.4	147
131	CD28 and Inducible Costimulatory Protein Src Homology 2 Binding Domains Show Distinct Regulation of Phosphatidylinositol 3-Kinase, Bcl-xL, and IL-2 Expression in Primary Human CD4 T Lymphocytes. Journal of Immunology, 2003, 171, 166-174.	0.4	146
132	CAR T-cell therapy is effective for CD19-dim B-lymphoblastic leukemia but is impacted by prior blinatumomab therapy. Blood Advances, 2019, 3, 3539-3549.	2.5	145
133	Anti-CD19 CAR T cells with high-dose melphalan and autologous stem cell transplantation for refractory multiple myeloma. JCI Insight, 2018, 3, .	2.3	140
134	Analysis of Lentiviral Vector Integration in HIV+ Study Subjects Receiving Autologous Infusions of Gene Modified CD4+ T Cells. Molecular Therapy, 2009, 17, 844-850.	3.7	136
135	Simultaneous zinc-finger nuclease editing of the HIV coreceptors ccr5 and cxcr4 protects CD4+ T cells from HIV-1 infection. Blood, 2014, 123, 61-69.	0.6	135
136	T-cell phenotypes associated with effective CAR T-cell therapy in postinduction vs relapsed multiple myeloma. Blood Advances, 2019, 3, 2812-2815.	2.5	133
137	Sleeping Beauty Transposonâ€mediated Engineering of Human Primary T Cells for Therapy of CD19+ Lymphoid Malignancies. Molecular Therapy, 2008, 16, 580-589.	3.7	130
138	Engineering HIV-Resistant Human CD4+ T Cells with CXCR4-Specific Zinc-Finger Nucleases. PLoS Pathogens, 2011, 7, e1002020.	2.1	130
139	Oncolytic Adenoviral Delivery of an EGFR-Targeting T-cell Engager Improves Antitumor Efficacy. Cancer Research, 2017, 77, 2052-2063.	0.4	128
140	T cells expressing chimeric antigen receptors can cause anaphylaxis in humans. Cancer Immunology Research, 2013, 1, 26-31.	1.6	125
141	Checkpoint Blockade Reverses Anergy in IL-13RÎ±2 Humanized scFv-Based CAR T Cells to Treat Murine and Canine Gliomas. Molecular Therapy - Oncolytics, 2018, 11, 20-38.	2.0	123
142	Bispecific and split CAR T cells targeting CD13 and TIM3 eradicate acute myeloid leukemia. Blood, 2020, 135, 713-723.	0.6	123
143	The CPT1a inhibitor, etomoxir induces severe oxidative stress at commonly used concentrations. Scientific Reports, 2018, 8, 6289.	1.6	119
144	Chronic lymphocytic leukemia cells impair mitochondrial fitness in CD8+ T cells and impede CAR T-cell efficacy. Blood, 2019, 134, 44-58.	0.6	118

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145	Gut microbiome correlates of response and toxicity following anti-CD19 CAR T cell therapy. Nature Medicine, 2022, 28, 713-723.	15.2	117
146	Combination Immunotherapy after ASCT for Multiple Myeloma Using MAGE-A3/Poly-ICLC Immunizations Followed by Adoptive Transfer of Vaccine-Primed and Costimulated Autologous T Cells. Clinical Cancer Research, 2014, 20, 1355-1365.	3.2	116
147	4-1BB costimulation promotes CAR T cell survival through noncanonical NF-Î°B signaling. Science Signaling, 2020, 13, .	1.6	115
148	Immunotherapy for Brain Tumors. Journal of Clinical Oncology, 2017, 35, 2450-2456.	0.8	112
149	Gut microbiota modulates adoptive cell therapy via CD8Î± dendritic cells and IL-12. JCI Insight, 2018, 3, .	2.3	111
150	Efficient Clinical Scale Gene Modification via Zinc Finger Nucleaseâ€"Targeted Disruption of the HIV Co-receptor CCR5. Human Gene Therapy, 2013, 24, 245-258.	1.4	110
151	Single residue in CD28-costimulated CAR-T cells limits long-term persistence and antitumor durability. Journal of Clinical Investigation, 2020, 130, 3087-3097.	3.9	110
152	Large-Scale Production of CD4+ T Cells from HIV-1-Infected Donors After CD3/CD28 Costimulation*. Stem Cells and Development, 1998, 7, 437-448.	1.0	107
153	Engineered cellular immunotherapies in cancer and beyond. Nature Medicine, 2022, 28, 678-689.	15.2	106
154	Enhanced Effector Responses in Activated CD8+ T Cells Deficient in Diacylglycerol Kinases. Cancer Research, 2013, 73, 3566-3577.	0.4	105
155	Engineered T cells for cancer therapy. Cancer Immunology, Immunotherapy, 2014, 63, 969-975.	2.0	105
156	CAR T-Cell Therapies in Glioblastoma: A First Look. Clinical Cancer Research, 2018, 24, 535-540.	3.2	103
157	Long-Term Outcomes From a Randomized Dose Optimization Study of Chimeric Antigen Receptor Modified T Cells in Relapsed Chronic Lymphocytic Leukemia. Journal of Clinical Oncology, 2020, 38, 2862-2871.	0.8	102
158	Cytokine release syndrome associated with chimeric-antigen receptor T-cell therapy: clinicopathological insights. Blood, 2017, 130, 2569-2572.	0.6	98
159	Regimen-Specific Effects of RNA-Modified Chimeric Antigen Receptor T Cells in Mice with Advanced Leukemia. Human Gene Therapy, 2013, 24, 717-727.	1.4	97
160	CAR T-cells for T-cell malignancies: challenges in distinguishing between therapeutic, normal, and neoplastic T-cells. Leukemia, 2018, 32, 2307-2315.	3.3	96
161	Stable gene transfer and expression in human primary T cells by the Sleeping Beauty transposon system. Blood, 2006, 107, 483-491.	0.6	95
162	Humanized CD19-Targeted Chimeric Antigen Receptor (CAR) T Cells in CAR-Naive and CAR-Exposed Children and Young Adults With Relapsed or Refractory Acute Lymphoblastic Leukemia. Journal of Clinical Oncology, 2021, 39, 3044-3055.	0.8	94

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163	Cancer immunotherapy comes of age and looks for maturity. Nature Communications, 2020, 11, 3325.	5.8	93
164	Rapid Immune Recovery and Graft-versus-Host Diseaseâ€"like Engraftment Syndrome following Adoptive Transfer of Costimulated Autologous T Cells. Clinical Cancer Research, 2009, 15, 4499-4507.	3.2	91
165	Relation of clinical culture method to T-cell memory status and efficacy in xenograft models of adoptive immunotherapy. Cytotherapy, 2014, 16, 619-630.	0.3	90
166	Retroviral and Lentiviral Safety Analysis of Gene-Modified T Cell Products and Infused HIV and Oncology Patients. Molecular Therapy, 2018, 26, 269-279.	3.7	90
167	Clinical application of expanded CD4+25+ cells. Seminars in Immunology, 2006, 18, 78-88.	2.7	89
168	Bi-specific TCR-anti CD3 redirected T-cell targeting of NY-ESO-1- and LAGE-1-positive tumors. Cancer Immunology, Immunotherapy, 2013, 62, 773-785.	2.0	88
169	Antigen-independent activation enhances the efficacy of 4-1BB-costimulated CD22 CAR T cells. Nature Medicine, 2021, 27, 842-850.	15.2	88
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