Jan Joseph Melenhorst

List of Publications by Citations

199 papers	16,515 citations	52 h-index	127 g-index
221 ext. papers	20,825 ext. citations	6.8 avg, IF	6.13 L-index

#	Paper	IF	Citations
199	Chimeric antigen receptor T cells for sustained remissions in leukemia. *New England Journal of Medicine*, **2014**, 371, 1507-17	59.2	3305
198	Chimeric antigen receptor T cells persist and induce sustained remissions in relapsed refractory chronic lymphocytic leukemia. *Science Translational Medicine*, **2015**, 7, 303ra139	17.5	1071
197	Chimeric Antigen Receptor T Cells in Refractory B-Cell Lymphomas. *New England Journal of Medicine*, **2017**, 377, 2545-2554	59.2	951
196	Convergence of Acquired Mutations and Alternative Splicing of CD19 Enables Resistance to CART-19 Immunotherapy. *Cancer Discovery*, **2015**, 5, 1282-95	24.4	713
195	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,	17.5	697
194	Determinants of response and resistance to CD19 chimeric antigen receptor (CAR) T cell therapy of chronic lymphocytic leukemia. *Nature Medicine*, **2018**, 24, 563-571	50.5	649
193	Identification of Predictive Biomarkers for Cytokine Release Syndrome after Chimeric Antigen Receptor T-cell Therapy for Acute Lymphoblastic Leukemia. *Cancer Discovery*, **2016**, 6, 664-79	24.4	603
192	CRISPR-engineered T cells in patients with refractory cancer. *Science*, **2020**, 367,	33.3	448
191	Chimeric Antigen Receptor T Cells against CD19 for Multiple Myeloma. *New England Journal of Medicine*, **2015**, 373, 1040-7	59.2	417
190	Disruption of TET2 promotes the therapeutic efficacy of CD19-targeted T cells. *Nature*, **2018**, 558, 307-312	42.4	362
189	Dual CD19 and CD123 targeting prevents antigen-loss relapses after CD19-directed immunotherapies. *Journal of Clinical Investigation*, **2016**, 126, 3814-3826	15.9	352
188	B cell maturation antigen-specific CAR T cells are clinically active in multiple myeloma. *Journal of Clinical Investigation*, **2019**, 129, 2210-2221	15.9	312
187	Induction of resistance to chimeric antigen receptor T cell therapy by transduction of a single leukemic B cell. *Nature Medicine*, **2018**, 24, 1499-1503	50.5	286
186	PD-1 blockade modulates chimeric antigen receptor (CAR)-modified T cells: refueling the CAR. *Blood*, **2017**, 129, 1039-1041	2.2	285
185	Ibrutinib enhances chimeric antigen receptor T-cell engraftment and efficacy in leukemia. *Blood*, **2016**, 127, 1117-27	2.2	282
184	Cytokine Release Syndrome After Chimeric Antigen Receptor T Cell Therapy for Acute Lymphoblastic Leukemia. *Critical Care Medicine*, **2017**, 45, e124-e131	1.4	261
183	Enhancing CAR T cell persistence through ICOS and 4-1BB costimulation. *JCI Insight*, **2018**, 3,	9.9	250

182	Dominant-Negative TGF-Receptor Enhances PSMA-Targeted Human CAR T Cell Proliferation And Augments Prostate Cancer Eradication. *Molecular Therapy*, **2018**, 26, 1855-1866	11.7	247
181	Activity of Mesothelin-Specific Chimeric Antigen Receptor T Cells Against Pancreatic Carcinoma Metastases in a Phase 1 Trial. *Gastroenterology*, **2018**, 155, 29-32	13.3	209
180	Functional leukemia-associated antigen-specific memory CD8+ T cells exist in healthy individuals and in patients with chronic myelogenous leukemia before and after stem cell transplantation. *Blood*, **2003**, 102, 2892-900	2.2	185
179	Safety and Efficacy of Intratumoral Injections of Chimeric Antigen Receptor (CAR) T Cells in Metastatic Breast Cancer. *Cancer Immunology Research*, **2017**, 5, 1152-1161	12.5	181
178	Cellular kinetics of CTL019 in relapsed/refractory B-cell acute lymphoblastic leukemia and chronic lymphocytic leukemia. *Blood*, **2017**, 130, 2317-2325	2.2	180
177	Allogeneic virus-specific T cells with HLA alloreactivity do not produce GVHD in human subjects. *Blood*, **2010**, 116, 4700-2	2.2	148
176	Persistence of long-lived plasma cells and humoral immunity in individuals responding to CD19-directed CAR T-cell therapy. *Blood*, **2016**, 128, 360-70	2.2	143
175	Protein kinase inhibitors substantially improve the physical detection of T-cells with peptide-MHC tetramers. *Journal of Immunological Methods*, **2009**, 340, 11-24	2.5	119
174	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	2.5	108
173	Reducing Culture Improves the Antileukemic Activity of Chimeric Antigen Receptor (CAR) T Cells. *Cancer Immunology Research*, **2018**, 6, 1100-1109	12.5	105
172	Phase I Study of Lentiviral-Transduced Chimeric Antigen Receptor-Modified T Cells Recognizing Mesothelin in Advanced Solid Cancers. *Molecular Therapy*, **2019**, 27, 1919-1929	11.7	101
171	Durable Remissions in Children with Relapsed/Refractory ALL Treated with T Cells Engineered with a CD19-Targeted Chimeric Antigen Receptor (CTL019). *Blood*, **2015**, 126, 681-681	2.2	94
170	Neutrophil elastase enzymatically antagonizes the in vitro action of G-CSF: implications for the regulation of granulopoiesis. *Blood*, **2003**, 101, 1752-8	2.2	93
169	Anti-CD19 CAR T cells with high-dose melphalan and autologous stem cell transplantation for refractory multiple myeloma. *JCI Insight*, **2018**, 3,	9.9	90
168	Differential association of programmed death-1 and CD57 with ex vivo survival of CD8+ T cells in HIV infection. *Journal of Immunology*, **2009**, 183, 1120-32	5.3	88
167	In vitro induction of myeloid leukemia-specific CD4 and CD8 T cells by CD40 ligand-activated B cells gene modified to express primary granule proteins. *Clinical Cancer Research*, **2005**, 11, 4495-503	12.9	82
166	Analysis of T-cell repertoire in hepatitis-associated aplastic anemia. *Blood*, **2004**, 103, 4588-93	2.2	81
165	Ultra-low dose interleukin-2 promotes immune-modulating function of regulatory T cells and natural killer cells in healthy volunteers. *Molecular Therapy*, **2014**, 22, 1388-1395	11.7	80

164	Generation of multi-leukemia antigen-specific T cells to enhance the graft-versus-leukemia effect after allogeneic stem cell transplant. *Leukemia*, **2013**, 27, 1538-47	10.7	80
163	CMV-specific T cells generated from naïve T cells recognize atypical epitopes and may be protective in vivo. *Science Translational Medicine*, **2015**, 7, 285ra63	17.5	78
162	Sustained remissions with CD19-specific chimeric antigen receptor (CAR)-modified T cells in children with relapsed/refractory ALL.. *Journal of Clinical Oncology*, **2016**, 34, 3011-3011	2.2	74
161	Kinase inhibitor ibrutinib to prevent cytokine-release syndrome after anti-CD19 chimeric antigen receptor T cells for B-cell neoplasms. *Leukemia*, **2017**, 31, 246-248	10.7	73
160	The transfer of adaptive immunity to CMV during hematopoietic stem cell transplantation is dependent on the specificity and phenotype of CMV-specific T cells in the donor. *Blood*, **2009**, 114, 5071-80	2.2	72
159	Chronic lymphocytic leukemia cells impair mitochondrial fitness in CD8 T cells and impede CAR T-cell efficacy. *Blood*, **2019**, 134, 44-58	2.2	69
158	Bone marrow mesenchymal stromal cells to treat tissue damage in allogeneic stem cell transplant recipients: correlation of biological markers with clinical responses. *Stem Cells*, **2014**, 32, 1278-88	5.8	67
157	Cytokine release syndrome associated with chimeric-antigen receptor T-cell therapy: clinicopathological insights. *Blood*, **2017**, 130, 2569-2572	2.2	65
156	The effect of pembrolizumab in combination with CD19-targeted chimeric antigen receptor (CAR) T cells in relapsed acute lymphoblastic leukemia (ALL).. *Journal of Clinical Oncology*, **2017**, 35, 103-103	2.2	65
155	T-cell immune responses to Wilms tumor 1 protein in myelodysplasia responsive to immunosuppressive therapy. *Blood*, **2011**, 117, 2691-9	2.2	64
154	Retroviral and Lentiviral Safety Analysis of Gene-Modified T Cell Products and Infused HIV and Oncology Patients. *Molecular Therapy*, **2018**, 26, 269-279	11.7	63
153	Prospective Clinical Trial of Anti-CD19 CAR T Cells in Combination with Ibrutinib for the Treatment of Chronic Lymphocytic Leukemia Shows a High Response Rate. *Blood*, **2018**, 132, 298-298	2.2	61
152	T-cell phenotypes associated with effective CAR T-cell therapy in postinduction vs relapsed multiple myeloma. *Blood Advances*, **2019**, 3, 2812-2815	7.8	61
151	Long-term outcomes of a phase I study of agonist CD40 antibody and CTLA-4 blockade in patients with metastatic melanoma. *OncoImmunology*, **2018**, 7, e1468956	7.2	60
150	High avidity myeloid leukemia-associated antigen-specific CD8+ T cells preferentially reside in the bone marrow. *Blood*, **2009**, 113, 2238-44	2.2	55
149	Sustained Remissions Following Chimeric Antigen Receptor Modified T Cells Directed Against CD19 (CTL019) in Patients with Relapsed or Refractory CD19+ Lymphomas. *Blood*, **2015**, 126, 183-183	2.2	55
148	B-Cell Maturation Antigen (BCMA)-Specific Chimeric Antigen Receptor T Cells (CART-BCMA) for Multiple Myeloma (MM): Initial Safety and Efficacy from a Phase I Study. *Blood*, **2016**, 128, 1147-1147	2.2	53
147	Sequential Anti-CD19 Directed Chimeric Antigen Receptor Modified T-Cell Therapy (CART19) and PD-1 Blockade with Pembrolizumab in Patients with Relapsed or Refractory B-Cell Non-Hodgkin Lymphomas. *Blood*, **2018**, 132, 4198-4198	2.2	51

146	Neurotoxicity after CTL019 in a pediatric and young adult cohort. *Annals of Neurology*, **2018**, 84, 537-546	9.4	49
145	Efficacy of Humanized CD19-Targeted Chimeric Antigen Receptor (CAR)-Modified T Cells in Children and Young Adults with Relapsed/Refractory Acute Lymphoblastic Leukemia. *Blood*, **2016**, 128, 217-217	2.2	46
144	CD19-targeting CAR T cell immunotherapy outcomes correlate with genomic modification by vector integration. *Journal of Clinical Investigation*, **2020**, 130, 673-685	15.9	45
143	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	2.2	45
142	CAR T Cell Therapy of Non-hematopoietic Malignancies: Detours on the Road to Clinical Success. *Frontiers in Immunology*, **2018**, 9, 2740	8.4	45
141	Long term maintenance of myeloid leukemic stem cells cultured with unrelated human mesenchymal stromal cells. *Stem Cell Research*, **2015**, 14, 95-104	1.6	41
140	Techniques to improve the direct ex vivo detection of low frequency antigen-specific CD8+ T cells with peptide-major histocompatibility complex class I tetramers. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2008**, 73, 1001-9	4.6	41
139	Nonviral RNA chimeric antigen receptor-modified T cells in patients with Hodgkin lymphoma. *Blood*, **2018**, 132, 1022-1026	2.2	38
138	Molecular and flow cytometric characterization of the CD4 and CD8 T-cell repertoire in patients with myelodysplastic syndrome. *British Journal of Haematology*, **2002**, 119, 97-105	4.5	36
137	Large granular lymphocyte leukaemia is characterized by a clonal T-cell receptor rearrangement in both memory and effector CD8(+) lymphocyte populations. *British Journal of Haematology*, **2001**, 112, 189-94	4.5	36
136	The model of cytokine release syndrome in CAR T-cell treatment for B-cell non-Hodgkin lymphoma. *Signal Transduction and Targeted Therapy*, **2020**, 5, 134	21	36
135	KIT with D816 mutations cooperates with CBFB-MYH11 for leukemogenesis in mice. *Blood*, **2012**, 119, 1511-21	2.2	35
134	Refractory Cytokine Release Syndrome in Recipients of Chimeric Antigen Receptor (CAR) T Cells. *Blood*, **2014**, 124, 2296-2296	2.2	34
133	Efficient Trafficking of Chimeric Antigen Receptor (CAR)-Modified T Cells to CSF and Induction of Durable CNS Remissions in Children with CNS/Combined Relapsed/Refractory ALL. *Blood*, **2015**, 126, 3769-3769	2.2	34
132	Randomized, Phase II Dose Optimization Study of Chimeric Antigen Receptor Modified T Cells Directed Against CD19 (CTL019) in Patients with Relapsed, Refractory CLL. *Blood*, **2014**, 124, 1982-1982	2.2	32
131	Allogeneic HLA-A*02-restricted WT1-specific T cells from mismatched donors are highly reactive but show off-target promiscuity. *Journal of Immunology*, **2011**, 187, 2824-33	5.3	31
130	Optimizing chimeric antigen receptor (CAR) T cell therapy for adult patients with relapsed or refractory (r/r) acute lymphoblastic leukemia (ALL).. *Journal of Clinical Oncology*, **2016**, 34, 7002-7002	2.2	31
129	Detection of low avidity CD8(+) T cell populations with coreceptor-enhanced peptide-major histocompatibility complex class I tetramers. *Journal of Immunological Methods*, **2008**, 338, 31-9	2.5	30

128	Decade-long leukaemia remissions with persistence of CD4 CAR T cells.. *Nature*, **2022**,	50.4	30
127	Safety and antitumor activity of chimeric antigen receptor modified T cells in patients with chemotherapy refractory metastatic pancreatic cancer.. *Journal of Clinical Oncology*, **2015**, 33, 3007-3007	2.2	28
126	Pilot Study of Anti-CD19 Chimeric Antigen Receptor T Cells (CTL019) in Conjunction with Salvage Autologous Stem Cell Transplantation for Advanced Multiple Myeloma. *Blood*, **2016**, 128, 974-974	2.2	27
125	CD19 CAR-T cells combined with ibrutinib to induce complete remission in CLL.. *Journal of Clinical Oncology*, **2017**, 35, 7509-7509	2.2	27
124	T-cell large granular lymphocyte leukemia is characterized by massive TCRBV-restricted clonal CD8 expansion and a generalized overexpression of the effector cell marker CD57. *The Hematology Journal*, **2003**, 4, 18-25		27
123	Immune reconstitution in recipients of photodepleted HLA-identical sibling donor stem cell transplantations: T cell subset frequencies predict outcome. *Biology of Blood and Marrow Transplantation*, **2011**, 17, 1846-54	4.7	25
122	Cytopenia and leukocyte recovery shape cytokine fluctuations after myeloablative allogeneic hematopoietic stem cell transplantation. *Haematologica*, **2012**, 97, 867-73	6.6	25
121	Ruxolitinib Prevents Cytokine Release Syndrome after CART Cell Therapy without Impairing the Anti-Tumor Effect in a Xenograft Model. *Blood*, **2016**, 128, 652-652	2.2	24
120	Aurora kinase A-specific T-cell receptor gene transfer redirects T lymphocytes to display effective antileukemia reactivity. *Blood*, **2012**, 119, 368-76	2.2	23
119	Posterior Reversible Encephalopathy Syndrome (PRES) after Infusion of Anti-Bcma CAR T Cells (CART-BCMA) for Multiple Myeloma: Successful Treatment with Cyclophosphamide. *Blood*, **2016**, 128, 5702-5702	2.2	23
118	Alloreactivity across HLA barriers is mediated by both naïve and antigen-experienced T cells. *Biology of Blood and Marrow Transplantation*, **2011**, 17, 800-9	4.7	22
117	A phase I clinical trial of PSMA-directed/TGFβ-insensitive CAR-T cells in metastatic castration-resistant prostate cancer.. *Journal of Clinical Oncology*, **2019**, 37, TPS347-TPS347	2.2	22
116	Graft versus leukemia response without graft-versus-host disease elicited by adoptively transferred multivirus-specific T-cells. *Molecular Therapy*, **2015**, 23, 179-83	11.7	21
115	The clonal composition of human CD4+CD25+Foxp3+ cells determined by a comprehensive DNA-based multiplex PCR for TCRB gene rearrangements. *Journal of Immunological Methods*, **2007**, 321, 107-20	2.5	21
114	Anti-mesothelin chimeric antigen receptor T cells in patients with epithelial ovarian cancer.. *Journal of Clinical Oncology*, **2016**, 34, 5511-5511	2.2	21
113	iGUIDE: an improved pipeline for analyzing CRISPR cleavage specificity. *Genome Biology*, **2019**, 20, 14	18.3	20
112	Robust expansion of viral antigen-specific CD4+ and CD8+ T cells for adoptive T cell therapy using gene-modified activated T cells as antigen presenting cells. *Journal of Immunotherapy*, **2006**, 29, 436-43; discussion 365-6	5	20
111	Long-Term Functional Persistence, B Cell Aplasia and Anti-Leukemia Efficacy In Refractory B Cell Malignancies Following T Cell Immunotherapy Using CAR-Redirected T Cells Targeting CD19. *Blood*, **2013**, 122, 163-163	2.2	20

110	Donor lymphocyte count and thymic activity predict lymphocyte recovery and outcomes after matched-sibling hematopoietic stem cell transplant. *Haematologica*, **2013**, 98, 346-52	6.6	19
109	Randomized, phase II dose optimization study of chimeric antigen receptor (CAR) modified T cells directed against CD19 in patients (pts) with relapsed, refractory (R/R) CLL.. *Journal of Clinical Oncology*, **2016**, 34, 3009-3009	2.2	19
108	Autoreactive, cytotoxic T lymphocytes specific for peptides derived from normal B-cell differentiation antigens in healthy individuals and patients with B-cell malignancies. *Clinical Cancer Research*, **2004**, 10, 1047-56	12.9	18
107	Clonal dominance of chronic myelogenous leukemia is associated with diminished sensitivity to the antiproliferative effects of neutrophil elastase. *Blood*, **2003**, 102, 3786-92	2.2	17
106	Efficacy of humanized CD19-targeted chimeric antigen receptor (CAR)-modified T cells in children with relapsed ALL.. *Journal of Clinical Oncology*, **2016**, 34, 3007-3007	2.2	17
105	A cellular antidote to specifically deplete anti-CD19 chimeric antigen receptor-positive cells. *Blood*, **2020**, 135, 505-509	2.2	15
104	The proliferation associated nuclear element (PANE1) is conserved between mammals and fish and preferentially expressed in activated lymphoid cells. *Gene Expression Patterns*, **2004**, 4, 389-95	1.5	15
103	Efficacy and Safety of Humanized Chimeric Antigen Receptor (CAR)-Modified T Cells Targeting CD19 in Children with Relapsed/Refractory ALL. *Blood*, **2015**, 126, 683-683	2.2	15
102	Chimeric Antigen Receptor Modified T Cells Directed Against CD19 (CTL019) in Patients with Poor Prognosis, Relapsed or Refractory CD19+ Follicular Lymphoma: Prolonged Remissions Relative to Antecedent Therapy. *Blood*, **2016**, 128, 1100-1100	2.2	15
101	Treatment with Chimeric Antigen Receptor Modified T Cells Directed Against CD19 (CTL019) Results in Durable Remissions in Patients with Relapsed or Refractory Diffuse Large B Cell Lymphomas of Germinal Center and Non-Germinal Center Origin, "Double Hit" Diffuse Large B Cell Lymphomas, and Transformed Follicular to Diffuse Large B Cell Lymphomas. *Blood*, **2016**, 128, 3026-3026	2.2	15
100	Contribution of TCR-beta locus and HLA to the shape of the mature human Vbeta repertoire. *Journal of Immunology*, **2008**, 180, 6484-9	5.3	14
99	Clinical Predictors of T Cell Fitness for CAR T Cell Manufacturing and Efficacy in Multiple Myeloma. *Blood*, **2018**, 132, 1886-1886	2.2	14
98	Biomarkers of Response to Anti-CD19 Chimeric Antigen Receptor (CAR) T-Cell Therapy in Patients with Chronic Lymphocytic Leukemia. *Blood*, **2016**, 128, 57-57	2.2	14
97	Pilot study of T cells redirected to EGFRvIII with a chimeric antigen receptor in patients with EGFRvIII+ glioblastoma.. *Journal of Clinical Oncology*, **2016**, 34, 2067-2067	2.2	14
96	Combination Anti-Bcma and Anti-CD19 CAR T Cells As Consolidation of Response to Prior Therapy in Multiple Myeloma. *Blood*, **2019**, 134, 1863-1863	2.2	13
95	Dual Targeting of Mesothelin and CD19 with Chimeric Antigen Receptor-Modified T Cells in Patients with Metastatic Pancreatic Cancer. *Molecular Therapy*, **2020**, 28, 2367-2378	11.7	13
94	Evolution of the donor T-cell repertoire in recipients in the second decade after allogeneic stem cell transplantation. *Blood*, **2011**, 117, 5250-6	2.2	12
93	PD-1 Inhibitor Combinations As Salvage Therapy for Relapsed/Refractory Multiple Myeloma (MM) Patients Progressing after Bcma-Directed CAR T Cells. *Blood*, **2018**, 132, 1973-1973	2.2	12

92	T Cells Engineered with a Chimeric Antigen Receptor (CAR) Targeting CD19 (CTL019) Have Long Term Persistence and Induce Durable Remissions in Children with Relapsed, Refractory ALL. *Blood*, **2014**, 124, 380-380	2.2	12
91	Evaluating the skin in patients undergoing chimeric antigen receptor modified T-cell therapy. *Journal of the American Academy of Dermatology*, **2016**, 75, 1054-1057	4.5	12
90	Systemic Endothelial Activation Is Associated With Early Acute Respiratory Distress Syndrome in Children With Extrapulmonary Sepsis. *Critical Care Medicine*, **2020**, 48, 344-352	1.4	11
89	Toward precision manufacturing of immunogene T-cell therapies. *Cytotherapy*, **2018**, 20, 623-638	4.8	11
88	Cars in Leukemia: Relapse with Antigen-Negative Leukemia Originating from a Single B Cell Expressing the Leukemia-Targeting CAR. *Blood*, **2016**, 128, 281-281	2.2	11
87	Mechanisms of resistance to CAR T cell therapies. *Seminars in Cancer Biology*, **2020**, 65, 91-98	12.7	11
86	Timing and intensity of exposure to interferon-□critically determines the function of monocyte-derived dendritic cells. *Immunology*, **2014**, 143, 96-108	7.8	10
85	Identification and Validation of Predictive Biomarkers to CD19- and BCMA-Specific CAR T-Cell Responses in CAR T-Cell Precursors. *Blood*, **2019**, 134, 622-622	2.2	10
84	Diagnostic biomarkers to differentiate sepsis from cytokine release syndrome in critically ill children. *Blood Advances*, **2020**, 4, 5174-5183	7.8	10
83	IMCT-15PILOT STUDY OF T CELLS REDIRECTED TO EGFRvIII WITH A CHIMERIC ANTIGEN RECEPTOR IN PATIENTS WITH EGFRvIII+ GLIOBLASTOMA. *Neuro-Oncology*, **2015**, 17, v110.4-v111	1	9
82	Predictors of T Cell Expansion and Clinical Responses Following B-Cell Maturation Antigen-Specific Chimeric Antigen Receptor T Cell Therapy (CART-BCMA) for Relapsed/Refractory Multiple Myeloma (MM). *Blood*, **2018**, 132, 1974-1974	2.2	9
81	Phase IIa Trial of Chimeric Antigen Receptor Modified T Cells Directed Against CD19 (CTL019) in Patients with Relapsed or Refractory CD19+ Lymphomas. *Blood*, **2014**, 124, 3087-3087	2.2	9
80	Effect of chimeric antigen receptor-modified T (CAR-T) cells on responses in children with non-CNS extramedullary relapse of CD19+ acute lymphoblastic leukemia (ALL).. *Journal of Clinical Oncology*, **2017**, 35, 10507-10507	2.2	9
79	Kinase Inhibitor Ibrutinib Prevents Cytokine-Release Syndrome after Anti-CD19 Chimeric Antigen Receptor T Cells (CART) for B Cell Neoplasms. *Blood*, **2016**, 128, 2159-2159	2.2	8
78	Case Report: Prolonged Survival Following EGFRvIII CAR T Cell Treatment for Recurrent Glioblastoma. *Frontiers in Oncology*, **2021**, 11, 669071	5.3	8
77	Transdifferentiation of lymphoma into sarcoma associated with profound reprogramming of the epigenome. *Blood*, **2020**, 136, 1980-1983	2.2	7
76	Innovation and opportunity for chimeric antigen receptor targeted T□cells. *Cytotherapy*, **2013**, 15, 1046-52	4.8	7
75	Tumor vaccines and beyond. *Cytotherapy*, **2011**, 13, 8-18	4.8	7

74	First-in-Human Assessment of Feasibility and Safety of Multiplexed Genetic Engineering of Autologous T Cells Expressing NY-ESO -1 TCR and CRISPR/Cas9 Gene Edited to Eliminate Endogenous TCR and PD-1 (NYCE T cells) in Advanced Multiple Myeloma (MM) and Sarcoma. *Blood*, **2019**, 134, 49-49	2.2	7
73	Recovery of humoral immunity in patients with durable complete responses following chimeric antigen receptor modified t cells directed against CD19 (CTL019).. *Journal of Clinical Oncology*, **2016**, 34, 7564-7564	2.2	7
72	Engineered T Cell Therapies from a Drug Development Viewpoint. *Engineering*, **2019**, 5, 140-149	9.7	7
71	CRISPR/Cas9-Based Gene Engineering of Human Natural Killer Cells: Protocols for Knockout and Readouts to Evaluate Their Efficacy. *Methods in Molecular Biology*, **2020**, 2121, 213-239	1.4	7
70	Peripheral Blood T-Cell Fitness Is Diminished in Patients With Pancreatic Carcinoma but Can Be Improved With Homeostatic Cytokines. *Cellular and Molecular Gastroenterology and Hepatology*, **2019**, 8, 656-658.e6	7.9	6
69	Is human cell therapy research caught in a mousetrap?. *Molecular Therapy*, **2011**, 19, 224-7	11.7	6
68	Aplastic anaemia in donor cells 14 years after bone-marrow transplant. *Lancet, The*, **1999**, 353, 2037-8	40	6
67	Cytokine Release Syndrome (CRS) after Chimeric Antigen Receptor (CAR) T Cell Therapy for Relapsed/Refractory (R/R) CLL. *Blood*, **2014**, 124, 1983-1983	2.2	6
66	Single-cell multiomics dissection of basal and antigen-specific activation states of CD19-targeted CAR T cells **2021**, 9,		6
65	Engineering enhanced CAR T-cells for improved cancer therapy. *Nature Cancer*, **2021**, 2, 780-793	15.4	6
64	BET bromodomain protein inhibition reverses chimeric antigen receptor extinction and reinvigorates exhausted T cells in chronic lymphocytic leukemia. *Journal of Clinical Investigation*, **2021**, 131,	15.9	6
63	Clinical practice: chimeric antigen receptor (CAR) T cells: a major breakthrough in the battle against cancer. *Clinical and Experimental Medicine*, **2020**, 20, 469-480	4.9	5
62	Combination of Anti-CD123 and Anti-CD19 Chimeric Antigen Receptor T Cells for the Treatment and Prevention of Antigen-Loss Relapses Occurring after CD19-Targeted Immunotherapies. *Blood*, **2015**, 126, 2523-2523	2.2	5
61	Genetically engineered fixed K562 cells: potent "off-the-shelf" antigen-presenting cells for generating virus-specific T cells. *Cytotherapy*, **2014**, 16, 135-46	4.8	4
60	Predictors of manufacturing (MFG) success for chimeric antigen receptor (CAR) T cells in Non-Hodgkin Lymphoma (NHL). *Cytotherapy*, **2017**, 19, S118-S119	4.8	4
59	Novel Chimeric Antigen Receptor T Cells for the Treatment of CD19-Negative Relapses Occurring after CD19-Targeted Immunotherapies. *Blood*, **2014**, 124, 966-966	2.2	4
58	Cellular Kinetics of Chimeric Antigen Receptor T Cells (CTL019) in Patients with Relapsed/Refractory CD19+ Leukemia. *Blood*, **2016**, 128, 220-220	2.2	4
57	Biomarker Profiling Differentiates Sepsis from Cytokine Release Syndrome in Chimeric Antigen Receptor T-Cell Therapy for Acute Lymphoblastic Leukemia (ALL). *Blood*, **2016**, 128, 2812-2812	2.2	4

56	Clinical Efficacy of Anti-CD22 Chimeric Antigen Receptor T Cells for B-Cell Acute Lymphoblastic Leukemia Is Correlated with the Length of the Scfv Linker and Can be Predicted Using Xenograft Models. *Blood*, **2017**, 130, 807-807	2.2	4
55	CAR-T and ibrutinib vs CLL: sequential or simultaneous?. *Blood*, **2020**, 135, 1611-1612	2.2	3
54	Minor histocompatibility antigen discovery: turning up the HEATR. *Blood*, **2010**, 115, 4630-1	2.2	3
53	Long-Term Remission of CLL Sustained By Pauciclonal Anti-CD19 Chimeric Antigen Receptor T (CTL019) Cell Clones. *Blood*, **2018**, 132, 699-699	2.2	3
52	Response to Anti-Bcma CAR T Cell Therapy Correlates with T Cell Exhaustion and Activation Status in T Cells at Baseline in Myeloma. *Blood*, **2019**, 134, 1909-1909	2.2	3
51	Myeloid Leukemias Directly Suppress T Cell Proliferation Through STAT3 and Arginase Pathways. *Blood*, **2013**, 122, 3885-3885	2.2	3
50	Biomarkers Accurately Predict Cytokine Release Syndrome (CRS) after Chimeric Antigen Receptor (CAR) T Cell Therapy for Acute Lymphoblastic Leukemia (ALL). *Blood*, **2015**, 126, 1334-1334	2.2	3
49	Effect of chimeric antigen receptor (CAR) T cells on clonal expansion of endogenous non-CAR T cells in patients (pts) with advanced solid cancer.. *Journal of Clinical Oncology*, **2017**, 35, 3011-3011	2.2	3
48	Next-generation CAR T cells to overcome current drawbacks. *International Journal of Hematology*, **2021**, 114, 532-543	2.3	2
47	Divergent roles for antigenic drive in the aetiology of primary versus dasatinib-associated CD8 TCR-V expansions. *Scientific Reports*, **2018**, 8, 2534	4.9	2
46	Treatment of leukemia antigen-loss relapses occurring after CD19-targeted immunotherapies by combination of anti-CD123 and anti-CD19 chimeric antigen receptor T cells **2015**, 3,		2
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2	High-Dimensional Immune Monitoring for Chimeric Antigen Receptor T Cell Therapies. *Current Hematologic Malignancy Reports*, **2021**, 16, 112-116	4.4
1	CAR T-cell immunotherapy: a powerful weapon for fighting hematological B-cell malignancies.. *Frontiers of Medicine*, **2021**, 15, 783	12