

Disruption of TET2 promotes the therapeutic efficacy of

Nature

558, 307-312

DOI: [10.1038/s41586-018-0178-z](https://doi.org/10.1038/s41586-018-0178-z)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Current development of chimeric antigen receptor T-cell therapy. <i>Stem Cell Investigation</i> , 2018, 5, 44-44.	1.3	26
2	Making CAR T Cells a Solid Option for Solid Tumors. <i>Frontiers in Immunology</i> , 2018, 9, 2593.	2.2	147
3	Chimeric antigen receptor-modified T cell therapy in chronic lymphocytic leukemia. <i>Journal of Hematology and Oncology</i> , 2018, 11, 130.	6.9	25
4	Genome-wide CRISPR Screens in Primary Human T Cells Reveal Key Regulators of Immune Function. <i>Cell</i> , 2018, 175, 1958-1971.e15.	13.5	378
5	Enhancing T Cell Receptor Stability in Rejuvenated iPSC-Derived T Cells Improves Their Use in Cancer Immunotherapy. <i>Cell Stem Cell</i> , 2018, 23, 850-858.e4.	5.2	110
6	Illuminating the genome-wide activity of genome editors for safe and effective therapeutics. <i>Genome Biology</i> , 2018, 19, 226.	3.8	28
7	Universal CARs, universal T cells, and universal CAR T cells. <i>Journal of Hematology and Oncology</i> , 2018, 11, 132.	6.9	184
8	CAR T Cell Therapy of Non-hematopoietic Malignancies: Detours on the Road to Clinical Success. <i>Frontiers in Immunology</i> , 2018, 9, 2740.	2.2	58
9	Versatile targeting system for lentiviral vectors involving biotinylated targeting molecules. <i>Virology</i> , 2018, 525, 170-181.	1.1	6
10	Cytokine release syndrome: grading, modeling, and new therapy. <i>Journal of Hematology and Oncology</i> , 2018, 11, 121.	6.9	99
11	The potential of CAR T therapy for relapsed or refractory pediatric and young adult B-cell ALL. <i>Therapeutics and Clinical Risk Management</i> , 2018, Volume 14, 1573-1584.	0.9	16
12	Allogeneic CAR-T Cells: More than Ease of Access?. <i>Cells</i> , 2018, 7, 155.	1.8	129
13	A CHIP mutation to battle cancer: potential or hazard for cardiovascular disease?. <i>Cardiovascular Research</i> , 2018, 114, e96-e98.	1.8	0
14	T lymphocytes as therapeutic arsenal for patients with hematological malignancies. <i>Current Opinion in Oncology</i> , 2018, 30, 425-434.	1.1	4
15	Success stories. <i>Nature Reviews Cancer</i> , 2018, 18, 465-465.	12.8	0
16	CAR T Cells in Solid Tumors: Blueprints for Building Effective Therapies. <i>Frontiers in Immunology</i> , 2018, 9, 1740.	2.2	155
17	Tumour tamed by transfer of one T cell. <i>Nature</i> , 2018, 558, 193-195.	13.7	2
18	CRISPR: Stressed about p53?. <i>Trends in Molecular Medicine</i> , 2018, 24, 731-733.	3.5	8

#	ARTICLE	IF	CITATIONS
19	State-of-the-art for CAR T-cell therapy for chronic lymphocytic leukemia in 2019. , 2019, 7, 202.		48
20	Chemical probes for spatially resolved measurement of active enzymes in single cells. <i>Methods in Enzymology</i> , 2019, 628, 243-262.	0.4	4
21	Cellular Therapy for Melanoma. , 2019, , 1-33.		0
22	Application of CAR T cells for the treatment of solid tumors. <i>Progress in Molecular Biology and Translational Science</i> , 2019, 164, 293-327.	0.9	15
23	T cell receptor-based cancer immunotherapy: Emerging efficacy and pathways of resistance. <i>Immunological Reviews</i> , 2019, 290, 127-147.	2.8	180
24	Updates on CAR T-cell therapy in B-cell malignancies. <i>Immunological Reviews</i> , 2019, 290, 39-59.	2.8	61
25	Immunobiology of chimeric antigen receptor T cells and novel designs. <i>Immunological Reviews</i> , 2019, 290, 100-113.	2.8	16
26	The Human TET2 Gene Contains Three Distinct Promoter Regions With Differing Tissue and Developmental Specificities. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 99.	1.8	8
27	Gene editing: Towards the third generation of adoptive T-cell transfer therapies. <i>Immuno-Oncology Technology</i> , 2019, 1, 19-26.	0.2	7
28	Graft Engineering and Adoptive Immunotherapy: New Approaches to Promote Immune Tolerance After Hematopoietic Stem Cell Transplantation. <i>Frontiers in Immunology</i> , 2019, 10, 1342.	2.2	33
29	Transfection with Nanostructure Electroinjection is Minimally Perturbative. <i>Advanced Therapeutics</i> , 2019, 2, 1900133.	1.6	30
30	Clonal hematopoiesis in human aging and disease. <i>Science</i> , 2019, 366, .	6.0	590
31	Systemic and local immunity following adoptive transfer of NY-ESO-1 SPEAR T cells in synovial sarcoma. , 2019, 7, 276.		101
32	Epigenetic Therapies for Acute Myeloid Leukemia and Their Immune-Related Effects. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 207.	1.8	32
33	Opportunities and Challenges for Antibodies against Intracellular Antigens. <i>Theranostics</i> , 2019, 9, 7792-7806.	4.6	15
34	Evidence of long-lasting anti-CD19 activity of engrafted CD19 chimeric antigen receptor-modified T cells in a phase I study targeting pediatrics with acute lymphoblastic leukemia. <i>Hematological Oncology</i> , 2019, 37, 601-608.	0.8	36
35	Engaging Cytotoxic T and NK Cells for Immunotherapy in Chronic Lymphocytic Leukemia. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4315.	1.8	21
36	Lentiviral and genome-editing strategies for the treatment of β^2 -hemoglobinopathies. <i>Blood</i> , 2019, 134, 1203-1213.	0.6	74

#	ARTICLE	IF	CITATIONS
37	Clinical lessons learned from the first leg of the CAR T cell journey. <i>Nature Medicine</i> , 2019, 25, 1341-1355.	15.2	400
38	Engineered T Cell Therapy for Cancer in the Clinic. <i>Frontiers in Immunology</i> , 2019, 10, 2250.	2.2	267
39	CAR Talk: How Cancer-Specific CAR T Cells Can Instruct How to Build CAR T Cells to Cure HIV. <i>Frontiers in Immunology</i> , 2019, 10, 2310.	2.2	26
40	iGUIDE: an improved pipeline for analyzing CRISPR cleavage specificity. <i>Genome Biology</i> , 2019, 20, 14.	3.8	45
41	CAR T Cells for Solid Tumors: New Strategies for Finding, Infiltrating, and Surviving in the Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2019, 10, 128.	2.2	568
42	CAR-T immunotherapies: Biotechnological strategies to improve safety, efficacy and clinical outcome through CAR engineering. <i>Biotechnology Advances</i> , 2019, 37, 107411.	6.0	12
43	Pharmacoepigentic Processors: Epigenetic Drugs, Drug Resistance, Toxicoepigentics, and Nutriepigentics. , 2019, , 191-424.		9
44	Supercharging adoptive T cell therapy to overcome solid tumor-induced immunosuppression. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	100
45	Gene Transfer to HSCs: Finding the Leukemia in Murine Leukemia Viruses. <i>Molecular Therapy</i> , 2019, 27, 1072-1073.	3.7	0
46	Development of CAR-T cells for long-term eradication and surveillance of HIV-1 reservoir. <i>Current Opinion in Virology</i> , 2019, 38, 21-30.	2.6	28
47	Gene editing for immune cell therapies. <i>Nature Biotechnology</i> , 2019, 37, 1425-1434.	9.4	147
48	TET2 missense variants in human neoplasia. A proposal of structural and functional classification. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e00772.	0.6	9
49	Limitations in the Design of Chimeric Antigen Receptors for Cancer Therapy. <i>Cells</i> , 2019, 8, 472.	1.8	122
50	Going to extremes: determinants of extraordinary response and survival in patients with cancer. <i>Nature Reviews Cancer</i> , 2019, 19, 339-348.	12.8	35
51	Chimeric antigen receptor T cell persistence and memory cell formation. <i>Immunology and Cell Biology</i> , 2019, 97, 664-674.	1.0	142
52	TET2 Function in Hematopoietic Malignancies, Immune Regulation, and DNA Repair. <i>Frontiers in Oncology</i> , 2019, 9, 210.	1.3	72
53	CAR-T with License to Kill Solid Tumors in Search of a Winning Strategy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1903.	1.8	15
54	Aberrant Clonal Hematopoiesis following Lentiviral Vector Transduction of HSPCs in a Rhesus Macaque. <i>Molecular Therapy</i> , 2019, 27, 1074-1086.	3.7	34

#	ARTICLE	IF	CITATIONS
55	Role of tenâ€eleven translocation proteins and 5â€hydroxymethylcytosine in hepatocellular carcinoma. <i>Cell Proliferation</i> , 2019, 52, e12626.	2.4	26
57	Nonâ€viral gene delivery for cancer immunotherapy. <i>Journal of Gene Medicine</i> , 2019, 21, e3092.	1.4	22
58	Evolution of chimeric antigen receptor (CAR) T cell therapy: current status and future perspectives. <i>Archives of Pharmacal Research</i> , 2019, 42, 607-616.	2.7	36
59	Mechanisms of resistance to CAR T cell therapy. <i>Nature Reviews Clinical Oncology</i> , 2019, 16, 372-385.	12.5	518
60	In Vitro Tumor Cell Rechallenge For Predictive Evaluation of Chimeric Antigen Receptor T Cell Antitumor Function. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	19
61	TET Enzymes and 5hmC in Adaptive and Innate Immune Systems. <i>Frontiers in Immunology</i> , 2019, 10, 210.	2.2	102
62	The Emergence of Universal Immune Receptor T Cell Therapy for Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 176.	1.3	64
63	The Cellular Immunotherapy Revolution: Arming the Immune System for Precision Therapy. <i>Trends in Immunology</i> , 2019, 40, 292-309.	2.9	61
64	Gene therapy targeting haematopoietic stem cells for inherited diseases: progress and challenges. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 447-462.	21.5	141
65	Treg programming and therapeutic reprogramming in cancer. <i>Immunology</i> , 2019, 157, 198-209.	2.0	46
66	Proposal for the International Society for Cell & Gene Therapy position statement on assays for the quality control and potency assessment of adoptive cellular immunotherapies. <i>Cytotherapy</i> , 2019, 21, 367-375.	0.3	3
67	Optimization of manufacturing conditions for chimeric antigen receptor T cells to favor cells with a central memory phenotype. <i>Cytotherapy</i> , 2019, 21, 593-602.	0.3	30
68	Engineering for Success: Approaches to Improve Chimeric Antigen Receptor T Cell Therapy for Solid Tumors. <i>Drugs</i> , 2019, 79, 401-415.	4.9	17
69	Next Generation CAR T Cells for the Immunotherapy of High-Grade Glioma. <i>Frontiers in Oncology</i> , 2019, 9, 69.	1.3	68
70	Chimeric Antigen Receptor T Cell Therapy for Solid Tumors: Current Status, Obstacles and Future Strategies. <i>Cancers</i> , 2019, 11, 191.	1.7	33
71	Clonal expansion of CAR T cells harboring lentivector integration in the CBL gene following anti-CD22 CAR T-cell therapy. <i>Blood Advances</i> , 2019, 3, 2317-2322.	2.5	69
72	c-Jun overexpression in CAR T cells induces exhaustion resistance. <i>Nature</i> , 2019, 576, 293-300.	13.7	480
73	Escape From ALL-CARTaz. <i>Cancer Journal (Sudbury, Mass)</i> , 2019, 25, 217-222.	1.0	20

#	ARTICLE	IF	CITATIONS
74	Optimizing Manufacturing Protocols of Chimeric Antigen Receptor T Cells for Improved Anticancer Immunotherapy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6223.	1.8	88
75	T-cell receptor and chimeric antigen receptor in solid cancers: current landscape, preclinical data and insight into future developments. <i>Current Opinion in Oncology</i> , 2019, 31, 430-438.	1.1	6
76	Understanding and Modulating Immunity With Cell Reprogramming. <i>Frontiers in Immunology</i> , 2019, 10, 2809.	2.2	13
77	Understanding the Mechanisms of Resistance to CAR T-Cell Therapy in Malignancies. <i>Frontiers in Oncology</i> , 2019, 9, 1237.	1.3	106
78	Orthotopic editing of T-cell receptors. <i>Nature Biomedical Engineering</i> , 2019, 3, 949-950.	11.6	0
79	Enabling drug discovery and development through single-cell imaging. <i>Expert Opinion on Drug Discovery</i> , 2019, 14, 115-125.	2.5	9
80	Immunotherapy Using Chimeric Antigen Receptor-Engineered T Cells: A Novel Cellular Therapy with Important Implications for the Clinical Laboratory. <i>Clinical Chemistry</i> , 2019, 65, 519-529.	1.5	4
81	A Pilot Trial of the Combination of Transgenic NY-ESO-1-reactive Adoptive Cellular Therapy with Dendritic Cell Vaccination with or without Ipilimumab. <i>Clinical Cancer Research</i> , 2019, 25, 2096-2108.	3.2	69
82	Advances in Chimeric Antigen Receptor T-Cell Therapies for Solid Tumors. <i>Clinical Pharmacology and Therapeutics</i> , 2019, 105, 71-78.	2.3	22
83	Immunotherapy for Glioblastoma: Adoptive T-cell Strategies. <i>Clinical Cancer Research</i> , 2019, 25, 2042-2048.	3.2	77
84	CAR-T cells beyond CD19, UnCAR-Ted territory. <i>American Journal of Hematology</i> , 2019, 94, S34-S41.	2.0	6
85	Allogeneic CAR T cell therapies for leukemia. <i>American Journal of Hematology</i> , 2019, 94, S50-S54.	2.0	55
86	CAR T cell therapy: inroads to response and resistance. <i>Nature Reviews Immunology</i> , 2019, 19, 73-74.	10.6	148
87	T-cells "la CAR-T(e)" Genetically engineering T-cell response against cancer. <i>Advanced Drug Delivery Reviews</i> , 2019, 141, 23-40.	6.6	17
88	Immunotherapy in pancreatic cancer: New hope or mission impossible?. <i>Cancer Letters</i> , 2019, 445, 57-64.	3.2	26
89	Emerging Cellular Therapies for Cancer. <i>Annual Review of Immunology</i> , 2019, 37, 145-171.	9.5	263
90	Clinical investigation of CAR T cells for solid tumors: Lessons learned and future directions. , 2020, 205, 107419.		81
91	Simultaneous Deletion of Endogenous TCR α 1 β 2 for TCR Gene Therapy Creates an Improved and Safe Cellular Therapeutic. <i>Molecular Therapy</i> , 2020, 28, 64-74.	3.7	50

#	ARTICLE	IF	CITATIONS
93	Determinants of response and resistance to CAR T cell therapy. <i>Seminars in Cancer Biology</i> , 2020, 65, 80-90.	4.3	59
94	Retroviral Insertional Mutagenesis in Humans: Evidence for Four Genetic Mechanisms Promoting Expansion of Cell Clones. <i>Molecular Therapy</i> , 2020, 28, 352-356.	3.7	78
95	Clonal kinetics and single-cell transcriptional profiling of CAR-T cells in patients undergoing CD19 CAR-T immunotherapy. <i>Nature Communications</i> , 2020, 11, 219.	5.8	167
96	The forces driving clonal expansion of the HIV-1 latent reservoir. <i>Virology Journal</i> , 2020, 17, 4.	1.4	53
98	TEG001 Insert Integrity from Vector Producer Cells until Medicinal Product. <i>Molecular Therapy</i> , 2020, 28, 561-571.	3.7	10
99	Large-scale generation of functional mRNA-encapsulating exosomes via cellular nanoporation. <i>Nature Biomedical Engineering</i> , 2020, 4, 69-83.	11.6	415
100	Engineering strategies to overcome the current roadblocks in CAR T cell therapy. <i>Nature Reviews Clinical Oncology</i> , 2020, 17, 147-167.	12.5	786
101	“Off-the-shelf” allogeneic CAR T cells: development and challenges. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 185-199.	21.5	632
102	AAVS1 site-specific integration of the CAR gene into human primary T cells using a linear closed-ended AAV-based DNA vector. <i>Journal of Gene Medicine</i> , 2020, 22, e3157.	1.4	4
103	Assessment of memory formation by metabolically engineered antigen-specific CD8 T cells. <i>Methods in Enzymology</i> , 2020, 631, 77-90.	0.4	0
104	Clonal hematopoiesis as a model for premalignant changes during aging. <i>Experimental Hematology</i> , 2020, 83, 48-56.	0.2	56
105	Brain immunology and immunotherapy in brain tumours. <i>Nature Reviews Cancer</i> , 2020, 20, 12-25.	12.8	389
106	CRISPR-Cas9 genome editing for cancer immunotherapy: opportunities and challenges. <i>Briefings in Functional Genomics</i> , 2020, 19, 183-190.	1.3	4
107	Epigenetic Regulation of T Cell Memory: Recalling Therapeutic Implications. <i>Trends in Immunology</i> , 2020, 41, 29-45.	2.9	46
108	The future of cellular immunotherapy for childhood leukemia. <i>Current Opinion in Pediatrics</i> , 2020, 32, 13-25.	1.0	13
109	Regulatory Issues in Gene-Modified Immune Effector Cell Therapy. , 2020, , 209-222.		2
110	CAR T Cell Therapy for Solid Tumors: Bright Future or Dark Reality?. <i>Molecular Therapy</i> , 2020, 28, 2320-2339.	3.7	194
111	CRISPR/Cas: From Tumor Gene Editing to T Cell-Based Immunotherapy of Cancer. <i>Frontiers in Immunology</i> , 2020, 11, 2062.	2.2	45

#	ARTICLE	IF	CITATIONS
112	Chimeric Antigen Receptor T-Cells in B-Acute Lymphoblastic Leukemia: State of the Art and Future Directions. <i>Frontiers in Oncology</i> , 2020, 10, 1594.	1.3	46
113	Abrogation of HLA surface expression using CRISPR/Cas9 genome editing: a step toward universal T cell therapy. <i>Scientific Reports</i> , 2020, 10, 17753.	1.6	29
114	TET2 promotes anti-tumor immunity by governing GM-CSF ⁺ MDSCs and CD8 ⁺ T cell numbers. <i>EMBO Reports</i> , 2020, 21, e49425.	2.0	25
115	Characteristics of anti-CD19 CAR T cell infusion products associated with efficacy and toxicity in patients with large B cell lymphomas. <i>Nature Medicine</i> , 2020, 26, 1878-1887.	15.2	321
116	T cell receptor therapy against melanoma: Immunotherapy for the future?. <i>Scandinavian Journal of Immunology</i> , 2020, 92, e12927.	1.3	8
117	Tumor response and endogenous immune reactivity after administration of HER2 CAR T cells in a child with metastatic rhabdomyosarcoma. <i>Nature Communications</i> , 2020, 11, 3549.	5.8	103
118	Chimeric Antigen Receptor T Cell Therapies: A Review of Cellular Kinetic and Pharmacodynamic Modeling Approaches. <i>Journal of Clinical Pharmacology</i> , 2020, 60, S147-S159.	1.0	28
119	Tet2 at the interface between cancer and immunity. <i>Communications Biology</i> , 2020, 3, 667.	2.0	50
120	Chimeric Antigen Receptor Designed to Prevent Ubiquitination and Downregulation Showed Durable Antitumor Efficacy. <i>Immunity</i> , 2020, 53, 456-470.e6.	6.6	83
121	Targeted Cellular Micropharmacies: Cells Engineered for Localized Drug Delivery. <i>Cancers</i> , 2020, 12, 2175.	1.7	17
122	The Chimeric Antigen Receptor Detection Toolkit. <i>Frontiers in Immunology</i> , 2020, 11, 1770.	2.2	34
123	CAR T-Cells in Multiple Myeloma: State of the Art and Future Directions. <i>Frontiers in Oncology</i> , 2020, 10, 1243.	1.3	63
124	The Great War of Today: Modifications of CAR-T Cells to Effectively Combat Malignancies. <i>Cancers</i> , 2020, 12, 2030.	1.7	19
125	The model of cytokine release syndrome in CAR T-cell treatment for B-cell non-Hodgkin lymphoma. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 134.	7.1	84
126	TET family dioxygenases and the TET activator vitamin C in immune responses and cancer. <i>Blood</i> , 2020, 136, 1394-1401.	0.6	40
127	Engineering CAR-T Cells for Next-Generation Cancer Therapy. <i>Cancer Cell</i> , 2020, 38, 473-488.	7.7	342
128	IL-15 Preconditioning Augments CAR T Cell Responses to Checkpoint Blockade for Improved Treatment of Solid Tumors. <i>Molecular Therapy</i> , 2020, 28, 2379-2393.	3.7	49
129	Clonal hematopoiesis and non-hematologic disorders. <i>Blood</i> , 2020, 136, 1606-1614.	0.6	71

#	ARTICLE	IF	CITATIONS
130	A brief review concerning Chimeric Antigen Receptors T cell therapy. <i>Journal of Cancer</i> , 2020, 11, 5424-5431.	1.2	4
131	Improving CAR T-cells: The next generation. <i>Seminars in Hematology</i> , 2020, 57, 115-121.	1.8	13
132	Cytokine and Chemokine Signals of T-Cell Exclusion in Tumors. <i>Frontiers in Immunology</i> , 2020, 11, 594609.	2.2	66
133	Metabolic and epigenetic regulation of T-cell exhaustion. <i>Nature Metabolism</i> , 2020, 2, 1001-1012.	5.1	167
134	Beyond CAR T cells: Engineered $\text{V}\beta 13\text{J}\alpha 2$ T cells to fight solid tumors. <i>Immunological Reviews</i> , 2020, 298, 117-133.	2.8	9
135	Efficacy of anti-CD147 chimeric antigen receptors targeting hepatocellular carcinoma. <i>Nature Communications</i> , 2020, 11, 4810.	5.8	95
136	The S enantiomer of 2-hydroxyglutarate increases central memory CD8 populations and improves CAR-T therapy outcome. <i>Blood Advances</i> , 2020, 4, 4483-4493.	2.5	24
137	The Role of Immunological Synapse in Predicting the Efficacy of Chimeric Antigen Receptor (CAR) Immunotherapy. <i>Cell Communication and Signaling</i> , 2020, 18, 134.	2.7	28
138	Targeting the epigenetic regulation of antitumour immunity. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 776-800.	21.5	264
139	TCR Redirected T Cells for Cancer Treatment: Achievements, Hurdles, and Goals. <i>Frontiers in Immunology</i> , 2020, 11, 1689.	2.2	63
140	Overhauling CAR T Cells to Improve Efficacy, Safety and Cost. <i>Cancers</i> , 2020, 12, 2360.	1.7	9
141	Case Report: Humanized Selective CD19CAR-T Treatment Induces MRD-Negative Remission in a Pediatric B-ALL Patient With Primary Resistance to Murine-Based CD19CAR-T Therapy. <i>Frontiers in Immunology</i> , 2020, 11, 581116.	2.2	2
142	Stem-like CD8 T cells mediate response of adoptive cell immunotherapy against human cancer. <i>Science</i> , 2020, 370, 1328-1334.	6.0	273
143	Engineering better chimeric antigen receptor T cells. <i>Experimental Hematology and Oncology</i> , 2020, 9, 34.	2.0	64
144	Precision Tools in Immuno-Oncology: Synthetic Gene Circuits for Cancer Immunotherapy. <i>Vaccines</i> , 2020, 8, 732.	2.1	4
145	Circles of Life: linking metabolic and epigenetic cycles to immunity. <i>Immunology</i> , 2020, 161, 165-174.	2.0	23
146	T Cell Receptor Engineered Lymphocytes for Cancer Therapy. <i>Current Protocols in Immunology</i> , 2020, 129, e97.	3.6	7
147	Somatic mTOR mutation in clonally expanded T lymphocytes associated with chronic graft versus host disease. <i>Nature Communications</i> , 2020, 11, 2246.	5.8	20

#	ARTICLE	IF	CITATIONS
148	CAR T-cell therapy for a relapsed/refractory acute B-cell lymphoblastic lymphoma patient in the context of Li-Fraumeni syndrome. , 2020, 8, e000364.		14
149	T-cell lymphoma secondary to checkpoint inhibitor therapy. , 2020, 8, e000104.		25
150	p38 Kinase: A Key Target for Driving Potent T Cells for Adoptive Immunotherapy. Cancer Cell, 2020, 37, 756-758.	7.7	3
151	CAR T cell therapy: newer approaches to counter resistance and cost. Heliyon, 2020, 6, e03779.	1.4	19
152	CRISPR screen in mechanism and target discovery for cancer immunotherapy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188378.	3.3	25
153	Nanopore sequencing as a scalable, cost-effective platform for analyzing polyclonal vector integration sites following clinical T cell therapy. , 2020, 8, e000299.		5
154	Engineering Strategies to Enhance TCR-Based Adoptive T Cell Therapy. Cells, 2020, 9, 1485.	1.8	48
155	Association of molecular characteristics with survival in advanced non-small cell lung cancer patients treated with checkpoint inhibitors. Lung Cancer, 2020, 146, 174-181.	0.9	8
156	Orthotopic T-Cell Receptor Replacementâ€”An â€œEnablerâ€•for TCR-Based Therapies. Cells, 2020, 9, 1367.	1.8	12
157	Germline TET2 loss of function causes childhood immunodeficiency and lymphoma. Blood, 2020, 136, 1055-1066.	0.6	58
158	Advances in Developing CAR T-Cell Therapy for HIV Cure. Frontiers in Immunology, 2020, 11, 361.	2.2	42
159	Engineering T Cells to Treat Cancer: The Convergence of Immuno-Oncology and Synthetic Biology. Annual Review of Cancer Biology, 2020, 4, 121-139.	2.3	13
160	grabseqs: simple downloading of reads and metadata from multiple next-generation sequencing data repositories. Bioinformatics, 2020, 36, 3607-3609.	1.8	11
161	Tumor Microenvironment. Cancer Treatment and Research, 2020, , .	0.2	12
162	Chimeric Antigen Receptor Cell Therapy: Overcoming Obstacles to Battle Cancer. Cancers, 2020, 12, 842.	1.7	21
163	Next-generation CAR T cells to overcome current drawbacks. International Journal of Hematology, 2020, 114, 532-543.	0.7	7
164	Surmounting the obstacles that impede effective CAR T cell trafficking to solid tumors. Journal of Leukocyte Biology, 2020, 108, 1067-1079.	1.5	50
165	Clonal hematopoiesis and inflammation: Partners in leukemogenesis and comorbidity. Experimental Hematology, 2020, 83, 85-94.	0.2	77

#	ARTICLE	IF	CITATIONS
166	The Contribution of Epigenetics to Cancer Immunotherapy. <i>Trends in Immunology</i> , 2020, 41, 676-691.	2.9	133
167	Rewriting History: Epigenetic Reprogramming of CD8+ T Cell Differentiation to Enhance Immunotherapy. <i>Trends in Immunology</i> , 2020, 41, 665-675.	2.9	42
168	Emerging immunotherapies for malignant glioma: from immunogenomics to cell therapy. <i>Neuro-Oncology</i> , 2020, 22, 1425-1438.	0.6	37
169	Cancer immunotherapy comes of age and looks for maturity. <i>Nature Communications</i> , 2020, 11, 3325.	5.8	93
170	Joint profiling of chromatin accessibility and CAR-T integration site analysis at population and single-cell levels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5442-5452.	3.3	34
171	Somatic mutations and T-cell clonality in patients with immunodeficiency. <i>Haematologica</i> , 2020, 105, 2757-2768.	1.7	18
172	Adoptive T-cell therapy for HBV-associated HCC and HBV infection. <i>Antiviral Research</i> , 2020, 176, 104748.	1.9	31
173	All systems go: converging synthetic biology and combinatorial treatment for CAR-T cell therapy. <i>Current Opinion in Biotechnology</i> , 2020, 65, 75-87.	3.3	33
174	Persistent Polyfunctional Chimeric Antigen Receptor T Cells That Target Glypican 3 Eliminate Orthotopic Hepatocellular Carcinomas in Mice. <i>Gastroenterology</i> , 2020, 158, 2250-2265.e20.	0.6	97
175	A general mathematical framework for understanding the behavior of heterogeneous stem cell regeneration. <i>Journal of Theoretical Biology</i> , 2020, 492, 110196.	0.8	10
176	Epigenetics of T cell fate decision. <i>Current Opinion in Immunology</i> , 2020, 63, 43-50.	2.4	21
177	Applications and explorations of CRISPR/Cas9 in CAR T-cell therapy. <i>Briefings in Functional Genomics</i> , 2020, 19, 175-182.	1.3	59
178	Cancer immunotherapy: Pros, cons and beyond. <i>Biomedicine and Pharmacotherapy</i> , 2020, 124, 109821.	2.5	337
179	Engineering T cells for immunotherapy of primary human hepatocellular carcinoma. <i>Journal of Genetics and Genomics</i> , 2020, 47, 1-15.	1.7	15
180	B-cell maturation antigen-specific chimeric antigen receptor T cells for multiple myeloma: Clinical experience and future perspectives. <i>International Journal of Cancer</i> , 2020, 147, 2029-2041.	2.3	10
181	The Emerging Landscape of Immune Cell Therapies. <i>Cell</i> , 2020, 181, 46-62.	13.5	247
182	Enhancing CAR T cell efficacy: the next step toward a clinical revolution?. <i>Expert Review of Hematology</i> , 2020, 13, 533-543.	1.0	10
183	Non-clinical efficacy, safety and stable clinical cell processing of induced pluripotent stem cell-derived anti-glypican-3 chimeric antigen receptor-expressing natural killer/innate lymphoid cells. <i>Cancer Science</i> , 2020, 111, 1478-1490.	1.7	74

#	ARTICLE	IF	CITATIONS
184	Clinical practice: chimeric antigen receptor (CAR) T cells: a major breakthrough in the battle against cancer. <i>Clinical and Experimental Medicine</i> , 2020, 20, 469-480.	1.9	8
185	Light-Activatable TET-Dioxygenases Reveal Dynamics of 5-Methylcytosine Oxidation and Transcriptome Reorganization. <i>Journal of the American Chemical Society</i> , 2020, 142, 7289-7294.	6.6	12
186	Stem cell donors should not be screened for clonal hematopoiesis. <i>Blood Advances</i> , 2020, 4, 789-792.	2.5	27
187	Genome editing of donor-derived T-cells to generate allogenic chimeric antigen receptor-modified T cells: Optimizing β 2 T cell-depleted haploidentical hematopoietic stem cell transplantation. <i>Haematologica</i> , 2021, 106, 847-858.	1.7	46
188	Clonal Hematopoiesisâ€œDriver DNMT3A Mutations Alter Immune Cells in Heart Failure. <i>Circulation Research</i> , 2021, 128, 216-228.	2.0	129
189	Toward Better Understanding and Management of CAR-T Cellâ€œAssociated Toxicity. <i>Annual Review of Medicine</i> , 2021, 72, 365-382.	5.0	34
190	Anti-CD19 CAR-T cells: Digging in the dark side of the golden therapy. <i>Critical Reviews in Oncology/Hematology</i> , 2021, 157, 103096.	2.0	10
191	CD19-specific CAR T Cells that Express a PD-1/CD28 Chimeric Switch-Receptor are Effective in Patients with PD-L1â€œpositive B-Cell Lymphoma. <i>Clinical Cancer Research</i> , 2021, 27, 473-484.	3.2	68
192	Pharmacology of Chimeric Antigen Receptorâ€œModified T Cells. <i>Annual Review of Pharmacology and Toxicology</i> , 2021, 61, 805-829.	4.2	7
193	Clonal tracking of haematopoietic cells: insights and clinical implications. <i>British Journal of Haematology</i> , 2021, 192, 819-831.	1.2	10
194	Tools for experimental and computational analyses of off-target editing by programmable nucleases. <i>Nature Protocols</i> , 2021, 16, 10-26.	5.5	52
195	Addressing Patient to Patient Variability for Autologous CAR T Therapies. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 1871-1876.	1.6	12
196	Efficient Editing of an Adenoviral Vector Genome with CRISPR/Cas9. <i>Indian Journal of Microbiology</i> , 2021, 61, 91-95.	1.5	1
197	Recent advances and discoveries in the mechanisms and functions of CAR T cells. <i>Nature Reviews Cancer</i> , 2021, 21, 145-161.	12.8	436
198	Harnessing Alternative Substrates to Probe TET Family Enzymes. <i>Methods in Molecular Biology</i> , 2021, 2272, 265-280.	0.4	1
199	Treatment and resistance of glioblastoma to CAR T-cell immunotherapies. , 2021, , 453-471.		0
200	Genome editing approaches to β -hemoglobinopathies. <i>Progress in Molecular Biology and Translational Science</i> , 2021, 182, 153-183.	0.9	13
201	IFN Signaling and Myeloid Cells in the Setting of CAR T: A Central Role for the Induction of Endogenous Anti-tumor Immunity. , 2021, 18, .		0

#	ARTICLE	IF	CITATIONS
202	Synthetic genomics for curing genetic diseases. <i>Progress in Molecular Biology and Translational Science</i> , 2021, 182, 477-520.	0.9	0
203	Tet methylcytosine dioxygenase 2 suppresses renal cell cancer proliferation and metastasis by regulating the miR-200c-SCD axis. <i>Biocell</i> , 2021, 45, 599-615.	0.4	1
204	NPM-ALK-Induced Reprogramming of Mature TCR-Stimulated T Cells Results in Dedifferentiation and Malignant Transformation. <i>Cancer Research</i> , 2021, 81, 3241-3254.	0.4	10
205	Adoptive Immunotherapy beyond CAR T-Cells. <i>Cancers</i> , 2021, 13, 743.	1.7	57
206	Applications of CRISPR Genome Editing to Advance the Next Generation of Adoptive Cell Therapies for Cancer. <i>Cancer Discovery</i> , 2021, 11, 560-574.	7.7	12
207	CRISPR Takes the Front Seat in CART-Cell Development. <i>BioDrugs</i> , 2021, 35, 113-124.	2.2	10
208	Epigenetic regulation of T cell adaptive immunity. <i>Immunological Reviews</i> , 2021, 300, 9-21.	2.8	16
209	Antigen-driven clonal selection shapes the persistence of HIV-1-infected CD4+ T cells in vivo. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	103
210	T-Cell Dysfunction as a Limitation of Adoptive Immunotherapy: Current Concepts and Mitigation Strategies. <i>Cancers</i> , 2021, 13, 598.	1.7	19
211	T Cell Exhaustion and CAR-T Immunotherapy in Hematological Malignancies. <i>BioMed Research International</i> , 2021, 2021, 1-8.	0.9	35
212	Genetic engineering of T cells for immunotherapy. <i>Nature Reviews Genetics</i> , 2021, 22, 427-447.	7.7	63
213	Tet2 Inactivation Enhances the Antitumor Activity of Tumor-Infiltrating Lymphocytes. <i>Cancer Research</i> , 2021, 81, 1965-1976.	0.4	25
214	Hallmarks of the aging T cell system. <i>FEBS Journal</i> , 2021, 288, 7123-7142.	2.2	70
215	Frequent somatic TET2 mutations in chronic NK-LGL leukemia with distinct patterns of cytopenias. <i>Blood</i> , 2021, 138, 662-673.	0.6	30
216	Allogeneic CAR T Cells: An Alternative to Overcome Challenges of CAR T Cell Therapy in Glioblastoma. <i>Frontiers in Immunology</i> , 2021, 12, 640082.	2.2	64
217	In vivo CRISPR screening reveals nutrient signaling processes underpinning CD8+ T cell fate decisions. <i>Cell</i> , 2021, 184, 1245-1261.e21.	13.5	68
218	Regnase-1 suppresses TCF-1+ precursor exhausted T-cell formation to limit CAR-T-cell responses against ALL. <i>Blood</i> , 2021, 138, 122-135.	0.6	28
219	Epigenetic Modifiers: Anti-Neoplastic Drugs With Immunomodulating Potential. <i>Frontiers in Immunology</i> , 2021, 12, 652160.	2.2	12

#	ARTICLE	IF	CITATIONS
220	Somatic mutations in lymphocytes in patients with immune-mediated aplastic anemia. <i>Leukemia</i> , 2021, 35, 1365-1379.	3.3	41
221	Improving and Maintaining Responses in Pediatric B-Cell Acute Lymphoblastic Leukemia Chimeric Antigen Receptor-T Cell Therapy. <i>Cancer Journal (Sudbury, Mass)</i> , 2021, 27, 151-158.	1.0	0
222	Challenges and Solutions to Bringing Chimeric Antigen Receptor T-Cell Therapy to Myeloid Malignancies. <i>Cancer Journal (Sudbury, Mass)</i> , 2021, 27, 143-150.	1.0	0
223	Chemokine Receptor CCR2b Enhanced Anti-tumor Function of Chimeric Antigen Receptor T Cells Targeting Mesothelin in a Non-small-cell Lung Carcinoma Model. <i>Frontiers in Immunology</i> , 2021, 12, 628906.	2.2	31
224	A Pan-Histone Deacetylase Inhibitor Enhances the Antitumor Activity of B7-H3-Specific CAR T Cells in Solid Tumors. <i>Clinical Cancer Research</i> , 2021, 27, 3757-3771.	3.2	25
225	CAR-T cells and BiTEs in solid tumors: challenges and perspectives. <i>Journal of Hematology and Oncology</i> , 2021, 14, 65.	6.9	50
226	Determinants of Response and Mechanisms of Resistance of CAR T-cell Therapy in Multiple Myeloma. <i>Blood Cancer Discovery</i> , 2021, 2, 302-318.	2.6	40
227	Chimeric Antigen Receptor-Modified T Cells and T Cell-Engaging Bispecific Antibodies: Different Tools for the Same Job. <i>Current Hematologic Malignancy Reports</i> , 2021, 16, 218-233.	1.2	4
228	Mechanisms of response and resistance to CAR T cell therapies. <i>Current Opinion in Immunology</i> , 2021, 69, 56-64.	2.4	18
229	Transient rest restores functionality in exhausted CAR-T cells through epigenetic remodeling. <i>Science</i> , 2021, 372, .	6.0	297
230	Clonal haematopoiesis of emerging significance. <i>Pathology</i> , 2021, 53, 300-311.	0.3	9
231	Cellular networks controlling T cell persistence in adoptive cell therapy. <i>Nature Reviews Immunology</i> , 2021, 21, 769-784.	10.6	83
232	Current State of CAR T-Cell Therapy in Chronic Lymphocytic Leukemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5536.	1.8	17
233	Clonal expansion of T memory stem cells determines early anti-leukemic responses and long-term CAR T cell persistence in patients. <i>Nature Cancer</i> , 2021, 2, 629-642.	5.7	59
234	Reversing T-cell exhaustion in immunotherapy: a review on current approaches and limitations. <i>Expert Opinion on Therapeutic Targets</i> , 2021, 25, 347-363.	1.5	25
235	TET2 Inhibits PD-L1 Gene Expression in Breast Cancer Cells through Histone Deacetylation. <i>Cancers</i> , 2021, 13, 2207.	1.7	19
236	Multiple Genes Surrounding <i>Bcl-xL</i> , a Common Retroviral Insertion Site, Can Influence Hematopoiesis Individually or in Concert. <i>Human Gene Therapy</i> , 2021, 32, 458-472.	1.4	4
237	How metabolism bridles cytotoxic CD8+ T cells through epigenetic modifications. <i>Trends in Immunology</i> , 2021, 42, 401-417.	2.9	18

#	ARTICLE	IF	CITATIONS
238	Chimeric antigen receptor natural killer (CAR-NK) cell design and engineering for cancer therapy. <i>Journal of Hematology and Oncology</i> , 2021, 14, 73.	6.9	135
240	Delivery technologies for T cell gene editing: Applications in cancer immunotherapy. <i>EBioMedicine</i> , 2021, 67, 103354.	2.7	48
241	Investigation of product-derived lymphoma following infusion of <i>piggyBac</i> -modified CD19 chimeric antigen receptor T cells. <i>Blood</i> , 2021, 138, 1391-1405.	0.6	87
242	A Prospective Investigation of Bispecific CD19/22 CAR T Cell Therapy in Patients With Relapsed or Refractory B Cell Non-Hodgkin Lymphoma. <i>Frontiers in Oncology</i> , 2021, 11, 664421.	1.3	20
243	Retrieval of vector integration sites from cell-free DNA. <i>Nature Medicine</i> , 2021, 27, 1458-1470.	15.2	26
244	Combination of CRISPR/Cas9 System and CAR-T Cell Therapy: A New Era for Refractory and Relapsed Hematological Malignancies. <i>Current Medical Science</i> , 2021, 41, 420-430.	0.7	5
245	CAR T cells targeting tumor-associated exons of glypican 2 regress neuroblastoma in mice. <i>Cell Reports Medicine</i> , 2021, 2, 100297.	3.3	18
246	A Mathematical Description of the Bone Marrow Dynamics during CAR T-Cell Therapy in B-Cell Childhood Acute Lymphoblastic Leukemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6371.	1.8	8
247	Flow cytometry data mining by cytoChain identifies determinants of exhaustion and stemness in TCR-engineered T cells. <i>European Journal of Immunology</i> , 2021, 51, 1992-2005.	1.6	10
248	Role of Tet2 in Regulating Adaptive and Innate Immunity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 665897.	1.8	8
249	Making Potent CART Cells Using Genetic Engineering and Synergistic Agents. <i>Cancers</i> , 2021, 13, 3236.	1.7	3
250	Investigational immunotherapy targeting CD19 for the treatment of acute lymphoblastic leukemia. <i>Expert Opinion on Investigational Drugs</i> , 2021, 30, 773-784.	1.9	8
251	Current combinatorial CAR T cell strategies with Bruton tyrosine kinase inhibitors and immune checkpoint inhibitors. <i>Bone Marrow Transplantation</i> , 2021, 56, 2630-2636.	1.3	11
252	Non-viral transfection technologies for next-generation therapeutic T cell engineering. <i>Biotechnology Advances</i> , 2021, 49, 107760.	6.0	33
253	Exploiting Single-Cell Tools in Gene and Cell Therapy. <i>Frontiers in Immunology</i> , 2021, 12, 702636.	2.2	21
254	Clonal hematopoiesis and its emerging effects on cellular therapies. <i>Leukemia</i> , 2021, 35, 2752-2758.	3.3	21
255	Exosomal delivery of therapeutic modulators through the blood-brain barrier; promise and pitfalls. <i>Cell and Bioscience</i> , 2021, 11, 142.	2.1	70
256	Early-phenotype CAR-T cells for the treatment of pediatric cancers. <i>Annals of Oncology</i> , 2021, 32, 1366-1380.	0.6	14

#	ARTICLE	IF	CITATIONS
257	Engineering-enhanced CAR T cells for improved cancer therapy. <i>Nature Cancer</i> , 2021, 2, 780-793.	5.7	60
258	Targeted T cell receptor gene editing provides predictable T cell product function for immunotherapy. <i>Cell Reports Medicine</i> , 2021, 2, 100374.	3.3	30
260	Antibody and cellular immunotherapies for acute lymphoblastic leukemia in adults. <i>Leukemia and Lymphoma</i> , 2021, 62, 3333-3347.	0.6	2
261	Scalable Manufacturing of CAR T Cells for Cancer Immunotherapy. <i>Blood Cancer Discovery</i> , 2021, 2, 408-422.	2.6	84
262	Clonal hematopoiesis in patients receiving chimeric antigen receptor T-cell therapy. <i>Blood Advances</i> , 2021, 5, 2982-2986.	2.5	45
263	BET bromodomain protein inhibition reverses chimeric antigen receptor extinction and reinvigorates exhausted T cells in chronic lymphocytic leukemia. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	45
264	Clonal hematopoiesis and associated diseases: A review of recent findings. <i>Cancer Science</i> , 2021, 112, 3962-3971.	1.7	40
265	A therapeutic cancer vaccine delivers antigens and adjuvants to lymphoid tissues using genetically modified T cells. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	12
266	Epigenetic strategies to boost CAR T cell therapy. <i>Molecular Therapy</i> , 2021, 29, 2640-2659.	3.7	21
267	Two cases of T cell lymphoma following Piggybac-mediated CAR T cell therapy. <i>Molecular Therapy</i> , 2021, 29, 2631-2633.	3.7	10
268	Epigenetic Profiling and Response to CD19 Chimeric Antigen Receptor T-Cell Therapy in B-Cell Malignancies. <i>Journal of the National Cancer Institute</i> , 2022, 114, 436-445.	3.0	29
269	BACH2 is a putative T cell lymphoma tumor suppressor that may play a role in product-derived CAR-T cell lymphomas. <i>Blood</i> , 2021, , .	0.6	4
270	Single-cell technologies to dissect heterogenous immune cell therapy products. <i>Current Opinion in Biomedical Engineering</i> , 2021, 20, 100343.	1.8	1
271	Individual cell-based modeling of tumor cell plasticity-induced immune escape after CAR-T therapy. <i>Computational and Systems Oncology</i> , 2021, 1, e21029.	1.1	1
272	Advances in engineering and synthetic biology toward improved therapeutic immune cells. <i>Current Opinion in Biomedical Engineering</i> , 2021, 20, 100342.	1.8	2
273	Broadly neutralizing antibody-derived CAR T cells reduce viral reservoir in individuals infected with HIV-1. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	38
274	Adoptive T-cell immunotherapy in digestive tract malignancies: Current challenges and future perspectives. <i>Cancer Treatment Reviews</i> , 2021, 100, 102288.	3.4	9
275	Genome editing of therapeutic T cells. <i>Gene and Genome Editing</i> , 2021, 2, 100010.	1.3	1

#	ARTICLE	IF	CITATIONS
276	Epigenetic programming of the immune responses in cancer. , 2022, , 197-235.		1
277	Engineering solutions to design CAR-T cells. , 2022, , 1-31.		0
278	Oxygen regulation of TET enzymes. FEBS Journal, 2021, 288, 7143-7161.	2.2	20
279	The TRACE-Seq method tracks recombination alleles and identifies clonal reconstitution dynamics of gene targeted human hematopoietic stem cells. Nature Communications, 2021, 12, 472.	5.8	23
280	Beyond conventional immune-checkpoint inhibition “ novel immunotherapies for renal cell carcinoma. Nature Reviews Clinical Oncology, 2021, 18, 199-214.	12.5	179
281	Approaches of T Cell Activation and Differentiation for CAR-T Cell Therapies. Methods in Molecular Biology, 2020, 2086, 203-211.	0.4	7
282	Engineering T Cells Using CRISPR/Cas9 for Cancer Therapy. Methods in Molecular Biology, 2020, 2115, 419-433.	0.4	8
283	Chimeric Antigen Receptor (CAR) T Cell Therapy for Cancer. Challenges and Opportunities: An Overview. Methods in Molecular Biology, 2021, 2174, 219-244.	0.4	7
284	Chimeric Antigen Receptor (CAR) Redirected T Cells. Learning Materials in Biosciences, 2021, , 251-302.	0.2	1
285	Engineering bionic T cells: signal 1, signal 2, signal 3, reprogramming and the removal of inhibitory mechanisms. Cellular and Molecular Immunology, 2020, 17, 576-586.	4.8	12
291	CD4 + T cells support polyfunctionality of cytotoxic CD8 + T cells with memory potential in immunological control of tumor. Cancer Science, 2020, 111, 1958-1968.	1.7	19
292	Assessment of HIV-1 integration in tissues and subsets across infection stages. JCI Insight, 2020, 5, .	2.3	12
293	Intact HIV-1 proviruses accumulate at distinct chromosomal positions during prolonged antiretroviral therapy. Journal of Clinical Investigation, 2019, 129, 988-998.	3.9	209
294	CD19-targeting CAR T cell immunotherapy outcomes correlate with genomic modification by vector integration. Journal of Clinical Investigation, 2019, 130, 673-685.	3.9	78
295	Sleeping Beauty“engineered CAR T cells achieve antileukemic activity without severe toxicities. Journal of Clinical Investigation, 2020, 130, 6021-6033.	3.9	102
296	Loss Of Tet2 In T Cells Drives Translocated Pathobiont Derived Aryl Hydrocarbon Receptor Agonist-Induced Tc1 Cell Autoimmune Hepatitis. SSRN Electronic Journal, 0, , .	0.4	0
297	Choosing the Right Tool for Genetic Engineering: Clinical Lessons from Chimeric Antigen Receptor-T Cells. Human Gene Therapy, 2021, 32, 1044-1058.	1.4	35
298	Challenges and Prospects for Designer T and NK Cells in Glioblastoma Immunotherapy. Cancers, 2021, 13, 4986.	1.7	6

#	ARTICLE	IF	CITATIONS
299	Driving Out Chronic Lymphocytic Leukemia With CAR T Cells. Transplantation and Cellular Therapy, 2022, 28, 5-17.	0.6	4
300	Improving CAR T-Cell Persistence. International Journal of Molecular Sciences, 2021, 22, 10828.	1.8	44
301	Finding the volume dial in stem cell manufacturing: Bioinspired and bioengineered approaches to scale up. Current Opinion in Biomedical Engineering, 2021, 20, 100356.	1.8	0
302	Proinflammatory cytokines promote TET2-mediated DNA demethylation during CD8 T cell effector differentiation. Cell Reports, 2021, 37, 109796.	2.9	14
303	Gene editing to enhance the efficacy of cancer cell therapies. Molecular Therapy, 2021, 29, 3153-3162.	3.7	5
304	Understanding and improving cellular immunotherapies against cancer: From cell-manufacturing to tumor-immune models. Advanced Drug Delivery Reviews, 2021, 179, 114003.	6.6	20
307	Adding chimeric antigen receptor-induced killer cells to the medical oncology shelf. Journal of Clinical Investigation, 2019, 129, 5077-5078.	3.9	3
310	DNA Methylation in T-Cell Development and Differentiation. Critical Reviews in Immunology, 2020, 40, 135-156.	1.0	25
312	Quantification of cell-free DNA for the analysis of CD19-CAR-T cells during lymphoma treatment. Molecular Therapy - Methods and Clinical Development, 2021, 23, 539-550.	1.8	6
313	Optimizing the Clinical Impact of CAR-T Cell Therapy in B-Cell Acute Lymphoblastic Leukemia: Looking Back While Moving Forward. Frontiers in Immunology, 2021, 12, 765097.	2.2	20
315	Adaptive Immunity and the Tumor Microenvironment. Cancer Treatment and Research, 2020, 180, 111-147.	0.2	3
316	Cellular Therapy for Melanoma. , 2020, , 1267-1299.		0
319	Clinical determinants of relapse following CAR-T therapy for hematologic malignancies: Coupling active strategies to overcome therapeutic limitations. Current Research in Translational Medicine, 2022, 70, 103320.	1.2	9
320	Neurosurgery at the crossroads of immunology and nanotechnology. New reality in the COVID-19 pandemic. Advanced Drug Delivery Reviews, 2022, 181, 114033.	6.6	5
321	Micro but mighty—Micronutrients in the epigenetic regulation of adaptive immune responses*. Immunological Reviews, 2021, , .	2.8	9
322	Horses for Courses in the Era of CARs: Advancing CAR T and CAR NK Cell Therapies. Journal of Personalized Medicine, 2021, 11, 1182.	1.1	2
324	Deleting DNMT3A in CAR T cells prevents exhaustion and enhances antitumor activity. Science Translational Medicine, 2021, 13, eabh0272.	5.8	123
325	Genetic ablation of PRDM1 in antitumor T cells enhances therapeutic efficacy of adoptive immunotherapy. Blood, 2022, 139, 2156-2172.	0.6	33

#	ARTICLE	IF	CITATIONS
326	An NK-like CAR T cell transition in CAR T cell dysfunction. <i>Cell</i> , 2021, 184, 6081-6100.e26.	13.5	160
327	Mechanisms of Resistance and Relapse After CAR-T Cell Therapy. <i>Cancer Drug Discovery and Development</i> , 2022, , 207-219.	0.2	1
328	Clonal hematopoiesis: Molecular and clinical implications. <i>Leukemia Research</i> , 2022, 113, 106787.	0.4	15
330	Remodeling metabolic fitness: Strategies for improving the efficacy of chimeric antigen receptor T cell therapy. <i>Cancer Letters</i> , 2022, 529, 139-152.	3.2	18
333	Prevalence and variation of CHIP in patients with aggressive lymphomas undergoing CD19-directed CAR T-cell treatment. <i>Blood Advances</i> , 2022, 6, 1941-1946.	2.5	21
335	Therapeutic roles of CAR T cells in infectious diseases: Clinical lessons learnt from cancer. <i>Reviews in Medical Virology</i> , 2022, 32, e2325.	3.9	6
336	Use of CRISPR/Cas9 gene editing to improve chimeric antigen-receptor T cell therapy: A systematic review and meta-analysis of preclinical studies. <i>Cytotherapy</i> , 2022, 24, 405-412.	0.3	6
337	Inhibition of Calcium Signaling Prevents Exhaustion and Enhances Anti-Leukemia Efficacy of CAR T Cells via SOCE and Calcineurin/NFAT and Glycolysis Pathways. <i>Advanced Science</i> , 2022, 9, e2103508.	5.6	21
338	CARving the Path to Allogeneic CAR T Cell Therapy in Acute Myeloid Leukemia. <i>Frontiers in Oncology</i> , 2021, 11, 800110.	1.3	7
339	Parallel analysis of transcription, integration, and sequence of single HIV-1 proviruses. <i>Cell</i> , 2022, 185, 266-282.e15.	13.5	131
340	Decade-long leukaemia remissions with persistence of CD4+ CAR T cells. <i>Nature</i> , 2022, 602, 503-509.	13.7	369
341	Engineering CAR T cells for enhanced efficacy and safety. <i>APL Bioengineering</i> , 2022, 6, 011502.	3.3	14
342	Methods to monitor in vivo expansion and efficacy of CAR-T cells in preclinical models. <i>Methods in Cell Biology</i> , 2022, 167, 185-201.	0.5	0
343	CHIP-associated mutant ASXL1 in blood cells promotes solid tumor progression. <i>Cancer Science</i> , 2022, 113, 1182-1194.	1.7	17
344	Synthetic Biology-based Optimization of T cell Immunotherapies for Cancer. <i>Current Opinion in Biomedical Engineering</i> , 2022, 22, 100372.	1.8	0
345	Elucidation of CRISPR-Cas9 application in novel cellular immunotherapy. <i>Molecular Biology Reports</i> , 2022, 49, 7069-7077.	1.0	9
346	Epigenetic regulation of inflammation by CxxC domain-containing proteins*. <i>Immunological Reviews</i> , 2022, 305, 137-151.	2.8	7
347	Epigenetics and CD8 ⁺ T cell memory*. <i>Immunological Reviews</i> , 2022, 305, 77-89.	2.8	22

#	ARTICLE	IF	CITATIONS
348	Immune Epigenetic Crosstalk Between Malignant B Cells and the Tumor Microenvironment in B Cell Lymphoma. <i>Frontiers in Genetics</i> , 2022, 13, 826594.	1.1	6
349	Engineering T-cells with chimeric antigen receptors to combat hematological cancers: an update on clinical trials. <i>Cancer Immunology, Immunotherapy</i> , 2022, , 1.	2.0	5
350	PSMA-targeting TGFÎ ² -insensitive armored CAR Tâ€™cells in metastatic castration-resistant prostate cancer: a phase 1 trial. <i>Nature Medicine</i> , 2022, 28, 724-734.	15.2	171
352	Tumor-intrinsic CD21 expression impacts the response of B-cell malignancy cells to CD19-CAR-T cells. <i>Journal of Leukocyte Biology</i> , 2022, 112, 913-918.	1.5	1
353	Long-term follow-up for the development of subsequent malignancies in patients treated with genetically modified IECs. <i>Blood</i> , 2022, 140, 16-24.	0.6	14
354	The Role of Ten-Eleven Translocation Proteins in Inflammation. <i>Frontiers in Immunology</i> , 2022, 13, 861351.	2.2	9
355	CAR Tâ€™cells are in it [CD]4 the long haul. <i>Cell</i> , 2022, 185, 1112-1114.	13.5	1
356	Gene Editing for Inherited Red Blood Cell Diseases. <i>Frontiers in Physiology</i> , 2022, 13, 848261.	1.3	5
357	CD4⁺ chimeric antigen receptor T cells in for the long journey. <i>Immunology and Cell Biology</i> , 2022, 100, 304-307.	1.0	3
358	A decade of CAR T cell evolution. <i>Nature Cancer</i> , 2022, 3, 270-271.	5.7	12
359	TET2 regulates immune tolerance in chronically activated mast cells. <i>JCI Insight</i> , 2022, 7, .	2.3	4
360	Non-viral siRNA delivery to T cells: Challenges and opportunities in cancer immunotherapy. <i>Biomaterials</i> , 2022, 286, 121510.	5.7	11
361	Epigenetic engineering empowers T cells. <i>Blood</i> , 2022, 139, 2091-2092.	0.6	0
362	Strategies to Circumvent the Side-Effects of Immunotherapy Using Allogeneic CAR-T Cells and Boost Its Efficacy: Results of Recent Clinical Trials. <i>Frontiers in Immunology</i> , 2021, 12, 780145.	2.2	11
363	Epigenetic modulation of antitumor immunity for improved cancer immunotherapy. <i>Molecular Cancer</i> , 2021, 20, 171.	7.9	106
364	Imaging the cell therapist: Future CAR T cell monitoring and intervention strategies to improve patient outcomes. <i>EJHaem</i> , 2022, 3, 46-53.	0.4	3
365	CAR T-cell immunotherapy: a powerful weapon for fighting hematological B-cell malignancies. <i>Frontiers of Medicine</i> , 2021, 15, 783-804.	1.5	3
366	Genome Editing as a Vehicle to Drive Successful Chimeric Antigen Receptor T Cell Therapies to the Clinic. <i>European Medical Journal (Chelmsford, England)</i> , 0, , .	3.0	0

#	ARTICLE	IF	CITATIONS
367	Inertial Microfluidic Purification of CAR-T Cell Products. <i>Advanced Biology</i> , 2022, 6, 2101018.	1.4	2
369	NK Cells Armed with Chimeric Antigen Receptors (CAR): Roadblocks to Successful Development. <i>Cells</i> , 2021, 10, 3390.	1.8	17
370	Allogeneic Chimeric Antigen Receptor Therapy in Lymphoma. <i>Current Treatment Options in Oncology</i> , 2022, 23, 171-187.	1.3	9
371	Biological and Molecular Factors Predicting Response to Adoptive Cell Therapies in Cancer. <i>Journal of the National Cancer Institute</i> , 2022, 114, 930-939.	3.0	10
372	Next-Generation CAR T-cell Therapies. <i>Cancer Discovery</i> , 2022, 12, 1625-1633.	7.7	53
373	Impact of Manufacturing Procedures on CAR T Cell Functionality. <i>Frontiers in Immunology</i> , 2022, 13, 876339.	2.2	54
375	Non-cleavable hinge enhances avidity and expansion of CAR-T cells for acute myeloid leukemia. <i>Cancer Cell</i> , 2022, 40, 494-508.e5.	7.7	54
376	The mitochondrial pyruvate carrier regulates memory T cell differentiation and antitumor function. <i>Cell Metabolism</i> , 2022, 34, 731-746.e9.	7.2	63
378	T Cell Defects: New Insights Into the Primary Resistance Factor to CD19/CD22 Cocktail CAR T-Cell Immunotherapy in Diffuse Large B-Cell Lymphoma. <i>Frontiers in Immunology</i> , 2022, 13, 873789.	2.2	4
379	A novel adoptive synthetic TCR and antigen receptor (STAR) cell therapy for B cell acute lymphoblastic leukemia. <i>American Journal of Hematology</i> , 2022, 97, 992-1004.	2.0	8
380	CAR T cell manufacturing from naive/stem memory T lymphocytes enhances antitumor responses while curtailing cytokine release syndrome. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	66
381	Optimizing rAAV6 transduction of primary T cells for the generation of anti-CD19 AAV-CAR-T cells. <i>Biomedicine and Pharmacotherapy</i> , 2022, 150, 113027.	2.5	2
382	Mechanisms of T cell exhaustion guiding next-generation immunotherapy. <i>Trends in Cancer</i> , 2022, 8, 726-734.	3.8	18
383	Cross-linked actin networks (CLANs) affect stiffness and/or actin dynamics in transgenic transformed and primary human trabecular meshwork cells. <i>Experimental Eye Research</i> , 2022, 220, 109097.	1.2	4
384	Time to evolve: predicting engineered T cell-associated toxicity with next-generation models. , 2022, 10, e003486.		21
386	Precision medicine: In vivo CAR therapy as a showcase for receptor-targeted vector platforms. <i>Molecular Therapy</i> , 2022, 30, 2401-2415.	3.7	28
387	Resistance against anti-CD19 and anti-BCMA CAR T cells: Recent advances and coping strategies. <i>Translational Oncology</i> , 2022, 22, 101459.	1.7	8
388	Epigenetic regulation of T cell exhaustion. <i>Nature Immunology</i> , 2022, 23, 848-860.	7.0	82

#	ARTICLE	IF	CITATIONS
390	Clonal hematopoiesis: Mutation-specific adaptation to environmental change. <i>Cell Stem Cell</i> , 2022, 29, 882-904.	5.2	34
391	Epi-immunotherapy for cancers: rationales of epi-drugs in combination with immunotherapy and advances in clinical trials. <i>Cancer Communications</i> , 2022, 42, 493-516.	3.7	14
392	Interpreting the B-cell receptor repertoire with single-cell gene expression using Benisse. <i>Nature Machine Intelligence</i> , 2022, 4, 596-604.	8.3	11
393	Tet2 deficiency drives liver microbiome dysbiosis triggering Tc1 cell autoimmune hepatitis. <i>Cell Host and Microbe</i> , 2022, 30, 1003-1019.e10.	5.1	24
394	The third-generation anti-CD30 CAR T-cells specifically homing to the tumor and mediating powerful antitumor activity. <i>Scientific Reports</i> , 2022, 12, .	1.6	10
395	The Past, Present, and Future of Non-Viral CAR T Cells. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	39
396	Genome-wide CRISPR screens of T cell exhaustion identify chromatin remodeling factors that limit T cell persistence. <i>Cancer Cell</i> , 2022, 40, 768-786.e7.	7.7	104
397	Game of clones: Diverse implications for clonal hematopoiesis in lymphoma and multiple myeloma. <i>Blood Reviews</i> , 2022, 56, 100986.	2.8	6
398	T Cell-Intrinsic Vitamin A Metabolism and Its Signaling Are Targets for Memory T Cell-Based Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
399	Synthetic libraries of immune cells displaying a diverse repertoire of chimaeric antigen receptors as a potent cancer immunotherapy. <i>Nature Biomedical Engineering</i> , 2022, 6, 842-854.	11.6	4
400	Clinically Applicable Assessment of Tisagenlecleucel CAR T Cell Treatment by Digital Droplet PCR for Copy Number Variant Assessment. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7573.	1.8	2
401	Safety of genetically modified T cells. <i>Blood</i> , 2022, 140, 1-2.	0.6	0
402	Genome-Edited T Cell Therapies. <i>Hematology/Oncology Clinics of North America</i> , 2022, 36, 729-744.	0.9	0
403	Cellular kinetics: A clinical and computational review of CAR-T cell pharmacology. <i>Advanced Drug Delivery Reviews</i> , 2022, 188, 114421.	6.6	18
404	Single-cell sorting based on secreted products for functionally defined cell therapies. <i>Microsystems and Nanoengineering</i> , 2022, 8, .	3.4	18
405	CAR T-cell Therapy Meets Clonal Hematopoiesis. <i>Blood Cancer Discovery</i> , 2022, 3, 382-384.	2.6	4
407	Acute myeloid leukemia development soon after anti-CD19 chimeric antigen receptor T-cell infusion in a patient with refractory diffuse large B-cell lymphoma and pre-existing clonal hematopoiesis. <i>Haematologica</i> , 2023, 108, 290-294.	1.7	4
408	CHIPing away the progression potential of CHIP: A new reality in the making. <i>Blood Reviews</i> , 2023, 58, 101001.	2.8	6

#	ARTICLE	IF	CITATIONS
409	Signatures of recent activation identify a circulating T cell compartment containing tumor-specific antigen receptors with high avidity. <i>Science Immunology</i> , 2022, 7, .	5.6	8
410	Current progress in CAR-T cell therapy for tumor treatment (Review). <i>Oncology Letters</i> , 2022, 24, .	0.8	7
411	Enhanced Costimulatory Signaling Improves CAR T-cell Effector Responses in CLL. <i>Cancer Research Communications</i> , 2022, 2, 1089-1103.	0.7	3
412	EZH1 repression generates mature iPSC-derived CAR T cells with enhanced antitumor activity. <i>Cell Stem Cell</i> , 2022, 29, 1181-1196.e6.	5.2	36
413	The spectrum of somatic mutations in large granular lymphocyte leukemia, rheumatoid arthritis, and Felty's syndrome. <i>Seminars in Hematology</i> , 2022, 59, 123-130.	1.8	7
414	Generation of T-cell-receptor-negative CD8 ⁺ CD137 ⁺ -positive CAR T cells from T-cell-derived induced pluripotent stem cells. <i>Nature Biomedical Engineering</i> , 2022, 6, 1284-1297.	11.6	27
415	Epigenetic engineering for optimal CAR-T cell therapy. <i>Cancer Science</i> , 0, , .	1.7	4
416	The steep uphill path leading to ex vivo gene therapy for genodermatoses. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 323, C896-C906.	2.1	4
417	Potency monitoring of CAR T cells. <i>Methods in Cell Biology</i> , 2023, , 173-189.	0.5	1
419	Food and Drug Administration Guidance on Design of Clinical Trials for Gene Therapy Products with Potential for Genome Integration or Genome Editing and Associated Long-Term Follow-Up of Research Subjects. <i>Applied Biosafety</i> , 2022, 27, 201-209.	0.2	1
421	Exercise "CALM" and make CAR-T therapy work better. <i>Science Bulletin</i> , 2022, 67, 1925-1928.	4.3	2
422	Role of TET dioxygenases in the regulation of both normal and pathological hematopoiesis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, .	3.5	6
423	Digital polymerase chain reaction strategies for accurate and precise detection of vector copy number in chimeric antigen receptor T-cell products. <i>Cytotherapy</i> , 2023, 25, 94-102.	0.3	2
424	Phase 1 clinical trial of CRISPR-engineered CAR19 universal T cells for treatment of children with refractory B cell leukemia. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	52
426	Safety, Outcomes, and T-Cell Characteristics in Patients with Relapsed or Refractory MDS or CMML Treated with Atezolizumab in Combination with Guadecitabine. <i>Clinical Cancer Research</i> , 2022, 28, 5306-5316.	3.2	4
427	Clinical application of cell-based therapies opportunities and challenges. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.2	0
428	INSERT-seq enables high-resolution mapping of genomically integrated DNA using Nanopore sequencing. <i>Genome Biology</i> , 2022, 23, .	3.8	7
429	Genome-edited allogeneic donor "universal" chimeric antigen receptor T cells. <i>Blood</i> , 2023, 141, 835-845.	0.6	11

#	ARTICLE	IF	CITATIONS
430	Relapse after CAR-T cell therapy in B-cell malignancies: challenges and future approaches. Journal of Zhejiang University: Science B, 2022, 23, 793-811.	1.3	9
431	Clinical implications of T cell exhaustion for cancer immunotherapy. Nature Reviews Clinical Oncology, 2022, 19, 775-790.	12.5	182
432	Manufacturing next-generation regulatory T-cell therapies. Current Opinion in Biotechnology, 2022, 78, 102822.	3.3	8
434	Population dynamics and gene regulation of T cells in response to chronic antigen stimulation. International Immunology, 2023, 35, 67-77.	1.8	0
435	Clonal hematopoiesis and bone marrow inflammation. Translational Research, 2023, 255, 159-170.	2.2	3
436	Non-viral precision T cell receptor replacement for personalized cell therapy. Nature, 2023, 615, 687-696.	13.7	85
437	Modeling Patient-Specific CAR-T Cell Dynamics: Multiphasic Kinetics via Phenotypic Differentiation. Cancers, 2022, 14, 5576.	1.7	4
438	T Cells Directed against the Metastatic Driver Chondromodulin-1 in Ewing Sarcoma: Comparative Engineering with CRISPR/Cas9 vs. Retroviral Gene Transfer for Adoptive Transfer. Cancers, 2022, 14, 5485.	1.7	1
439	Genome-wide profiling of retroviral DNA integration and its effect on clinical pre-infusion CAR T-cell products. Journal of Translational Medicine, 2022, 20, .	1.8	11
440	Meeting FDA Guidance recommendations for replication-competent virus and insertional oncogenesis testing. Molecular Therapy - Methods and Clinical Development, 2023, 28, 28-39.	1.8	8
441	The future of engineered immune cell therapies. Science, 2022, 378, 853-858.	6.0	38
442	Enhancing CAR T-cell therapies against solid tumors: Mechanisms and reversion of resistance. Frontiers in Immunology, 0, 13, .	2.2	6
443	RNA Therapeutics for Improving CAR T-cell Safety and Efficacy. Cancer Research, 2023, 83, 354-362.	0.4	6
444	Mammalian DNA methylome dynamics: mechanisms, functions and new frontiers. Development (Cambridge), 2022, 149, .	1.2	6
445	CHIP Happens: Clonal Hematopoiesis of Indeterminate Potential and Its Relationship to Solid Tumors. Clinical Cancer Research, 2023, 29, 1403-1411.	3.2	9
447	An evolved AAV variant enables efficient genetic engineering of murine T cells. Cell, 2023, 186, 446-460.e19.	13.5	17
448	TET Proteins in the Spotlight: Emerging Concepts of Epigenetic Regulation in T Cell Biology. ImmunoHorizons, 2023, 7, 106-115.	0.8	0
449	Molecular and therapeutic effect of CRISPR in treating cancer. , 2023, 40, .		2

#	ARTICLE	IF	CITATIONS
451	Clonal hematopoiesis and inflammation – the perpetual cycle. <i>Trends in Cell Biology</i> , 2023, 33, 695-707.	3.6	5
452	Lymphoid clonal hematopoiesis: implications for malignancy, immunity, and treatment. <i>Blood Cancer Journal</i> , 2023, 13, .	2.8	8
453	Epigenetic Perspective of Immunotherapy for Cancers. <i>Cells</i> , 2023, 12, 365.	1.8	4
454	Chimeric antigen receptor-modified cells for the treatment of solid tumors: First steps in a thousand-mile march. , 2023, , 97-131.		0
455	Advancing CAR T cell therapy through the use of multidimensional omics data. <i>Nature Reviews Clinical Oncology</i> , 2023, 20, 211-228.	12.5	30
456	Metabolic challenges and interventions in CAR T cell therapy. <i>Science Immunology</i> , 2023, 8, .	5.6	13
457	Engineering second-generation TCR-T cells by site-specific integration of TRAF-binding motifs into the <i>CD247</i> locus. , 2023, 11, e005519.		2
458	Chimeric Antigen Receptor T-cell Therapy in Cancer: A Critical Review. <i>Current Drug Research Reviews</i> , 2023, 15, 241-261.	0.7	2
459	Clonal Hematopoiesis: Origins and determinants of evolution. <i>Leukemia Research</i> , 2023, 129, 107076.	0.4	2
460	Delivery of macromolecules in unstimulated T cells by photoporation with polydopamine nanoparticles. <i>Journal of Controlled Release</i> , 2023, 354, 680-693.	4.8	5
461	Massively parallel knock-in engineering of human T cells. <i>Nature Biotechnology</i> , 2023, 41, 1239-1255.	9.4	11
462	Germline T cell receptor exchange results in physiological T cell development and function. <i>Nature Communications</i> , 2023, 14, .	5.8	0
463	Chimeric Antigen Receptor T-Cell Therapy and Hematopoiesis. <i>Cells</i> , 2023, 12, 531.	1.8	1
464	TET2 guards against unchecked BATF3-induced CAR T cell expansion. <i>Nature</i> , 2023, 615, 315-322.	13.7	32
465	Challenges and opportunities of CAR T-cell therapies for CLL. <i>Seminars in Hematology</i> , 2023, 60, 25-33.	1.8	3
466	Recent advances and applications of CRISPR-Cas9 in cancer immunotherapy. <i>Molecular Cancer</i> , 2023, 22, .	7.9	14
467	Gene-based delivery of immune-activating cytokines for cancer treatment. <i>Trends in Molecular Medicine</i> , 2023, 29, 329-342.	3.5	3
468	CAR immune cells: design principles, resistance and the next generation. <i>Nature</i> , 2023, 614, 635-648.	13.7	96

#	ARTICLE	IF	CITATIONS
469	Runx3-overexpression cooperates with ex vivo AKT inhibition to generate receptor-engineered T cells with better persistence, tumor-residency, and antitumor ability. , 2023, 11, e006119.		4
470	Challenges and optimal strategies of CAR T therapy for hematological malignancies. Chinese Medical Journal, 2023, 136, 269-279.	0.9	2
471	Integrative multi-omics approaches to explore immune cell functions: Challenges and opportunities. IScience, 2023, 26, 106359.	1.9	9
472	How I treat refractory/relapsed diffuse large B-cell lymphomas with <scp>CD19</scp>-directed <scp>chimeric antigen receptor</scp> T cells. British Journal of Haematology, 2023, 201, 396-410.	1.2	3
473	The current landscape of CAR T-cell therapy for solid tumors: Mechanisms, research progress, challenges, and counterstrategies. Frontiers in Immunology, 0, 14, .	2.2	23
474	Plasma proteomic and metabolomic signatures of B-cell ALL patients during CAR-T cell therapy. Clinical and Translational Medicine, 2023, 13, .	1.7	0
475	CLASH of the Titans: How CAR-T Cells Can Triumph Over Tumors. CRISPR Journal, 2023, 6, 87-89.	1.4	0
476	T cell TET2 disruption cuts the breaks on antitumor CAR T cell therapy. Trends in Immunology, 2023, 44, 397-398.	2.9	1
477	Advancing cell-based cancer immunotherapy through stem cell engineering. Cell Stem Cell, 2023, 30, 592-610.	5.2	14
478	T-cell engineering strategies for tumors with low antigen density, and T-cell survival in the immunosuppressive tumor microenvironment of relapsed/refractory diffuse large B-cell lymphoma. , 2023, 2, .		0
479	Empowering the Potential of CAR-T Cell Immunotherapies by Epigenetic Reprogramming. Cancers, 2023, 15, 1935.	1.7	2
480	Immunotherapy for Primary Cancers of Central Nervous System. , 2023, , 1-21.		0
481	Clonal haematopoiesis and dysregulation of the immune system. Nature Reviews Immunology, 2023, 23, 595-610.	10.6	18
482	Tonic-signaling chimeric antigen receptors drive human regulatory T cell exhaustion. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	10
483	You've got a fast CAR. Science Immunology, 2023, 8, .	5.6	0
484	The IgG4 hinge with CD28 transmembrane domain improves VHH-based CAR T cells targeting a membrane-distal epitope of GPC1 in pancreatic cancer. Nature Communications, 2023, 14, .	5.8	8
485	Stalled CARs: Mechanisms of Resistance to CAR T Cell Therapies. Annual Review of Cancer Biology, 2023, 7, 23-42.	2.3	1
497	Epigenetic regulation in the tumor microenvironment: molecular mechanisms and therapeutic targets. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	30

#	ARTICLE	IF	CITATIONS
505	Genome Editing for Engineering the Next Generation of Advanced Immune Cell Therapies. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 85-110.	0.8	0
519	Stem-like exhausted and memory CD8+ T cells in cancer. <i>Nature Reviews Cancer</i> , 2023, 23, 780-798.	12.8	5
531	T cell receptor therapeutics: immunological targeting of the intracellular cancer proteome. <i>Nature Reviews Drug Discovery</i> , 2023, 22, 996-1017.	21.5	7
551	Ten-Eleven-Translocation Genes in Cancer. <i>Cancer Treatment and Research</i> , 2023, , 363-373.	0.2	0
561	T cell lymphoma and secondary primary malignancy risk after commercial CAR T cell therapy. <i>Nature Medicine</i> , 0, , .	15.2	4