

Chimeric antigen receptor signaling: Functional consequences

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The Great War of Today: Modifications of CAR-T Cells to Effectively Combat Malignancies. <i>Cancers</i> , 2020, 12, 2030.	3.7	19
2	Chimeric antigen receptor (CAR)-T-cell therapy in non-small-cell lung cancer (NSCLC): current status and future perspectives. <i>Cancer Immunology, Immunotherapy</i> , 2021, 70, 619-631.	4.2	80
3	Recent Advances in Hyperthermia Therapyâ€Based Synergistic Immunotherapy. <i>Advanced Materials</i> , 2021, 33, e2004788.	21.0	233
4	Atypical immunometabolism and metabolic reprogramming in liver cancer: Deciphering the role of gut microbiome. <i>Advances in Cancer Research</i> , 2021, 149, 171-255.	5.0	13
5	Emerging Immunotherapies against Novel Molecular Targets in Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2433.	4.1	12
6	A single-chain antibody generation system yielding CAR-T cells with superior antitumor function. <i>Communications Biology</i> , 2021, 4, 273.	4.4	14
7	Shaping Functional Avidity of CAR T Cells: Affinity, Avidity, and Antigen Density That Regulate Response. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 872-884.	4.1	26
8	State-of-Art of Cellular Therapy for Acute Leukemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4590.	4.1	12
9	Chimeric Antigen Receptorâ€Modified T Cells and T Cellâ€Engaging Bispecific Antibodies: Different Tools for the Same Job. <i>Current Hematologic Malignancy Reports</i> , 2021, 16, 218-233.	2.3	4
10	CAR-T in Cancer Treatment: Develop in Self-Optimization, Win-Win in Cooperation. <i>Cancers</i> , 2021, 13, 1955.	3.7	4
11	Chimeric antigen receptor natural killer (CAR-NK) cell design and engineering for cancer therapy. <i>Journal of Hematology and Oncology</i> , 2021, 14, 73.	17.0	135
12	Graftâ€versusâ€host disease risk after chimeric antigen receptor Tâ€cell therapy: the diametric opposition of T cells. <i>British Journal of Haematology</i> , 2021, 195, 660-668.	2.5	37
13	Expanding the Toolbox of Adoptive Cell Immunotherapy. <i>Journal of Clinical Oncology</i> , 2021, 39, 1479-1482.	1.6	0
14	Targeting Solid Tumors Using CD3 Bispecific Antibodies. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 1350-1358.	4.1	8
15	Multifaceted Role of the Transforming Growth Factor Î² on Effector T Cells and the Implication for CAR-T Cell Therapy. <i>Immuno</i> , 2021, 1, 160-173.	1.5	4
17	DCision-making in tumors governs T cell anti-tumor immunity. <i>Oncogene</i> , 2021, 40, 5253-5261.	5.9	22
18	Novel two-chain structure utilizing KIRS2/DAP12 domain improves the safety and efficacy of CAR-T cells in adults with r/r B-ALL. <i>Molecular Therapy - Oncolytics</i> , 2021, 23, 96-106.	4.4	11
19	Engineering strategies for broad application of TCR-T- and CAR-T-cell therapies. <i>International Immunology</i> , 2021, 33, 551-562.	4.0	20

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20	Single Molecule Force Spectroscopy Reveals Distinctions in Key Biophysical Parameters of $\hat{1}\pm\hat{1}^2$ T-Cell Receptors Compared with Chimeric Antigen Receptors Directed at the Same Ligand. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7566-7573.	4.6	15
21	Preclinical studies of chimeric antigen receptor-modified natural killer cells in cancer immunotherapy: a review. <i>Expert Opinion on Biological Therapy</i> , 2021, , 1-18.	3.1	4
22	Targeting CDK7 suppresses super enhancer-linked inflammatory genes and alleviates CAR T cell-induced cytokine release syndrome. <i>Molecular Cancer</i> , 2021, 20, 5.	19.2	12
23	Adoptive Cell Therapy in Hepatocellular Carcinoma: Biological Rationale and First Results in Early Phase Clinical Trials. <i>Cancers</i> , 2021, 13, 271.	3.7	39
24	Critical care management of chimeric antigen receptor T cell therapy recipients. <i>Ca-A Cancer Journal for Clinicians</i> , 2022, 72, 78-93.	329.8	29
25	Improving CAR T-Cell Persistence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10828.	4.1	44
26	Vitamin C, From Supplement to Treatment: A Re-Emerging Adjunct for Cancer Immunotherapy?. <i>Frontiers in Immunology</i> , 2021, 12, 765906.	4.8	12
27	Emerging Approaches for Solid Tumor Treatment Using CAR-T Cell Therapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12126.	4.1	8
28	Epigenetic Priming of Bladder Cancer Cells With Decitabine Increases Cytotoxicity of Human EGFR and CD44v6 CAR Engineered T-Cells. <i>Frontiers in Immunology</i> , 2021, 12, 782448.	4.8	15
29	Overview of the pre-clinical and clinical studies about the use of CAR-T cell therapy of cancer combined with oncolytic viruses. <i>World Journal of Surgical Oncology</i> , 2022, 20, 16.	1.9	12
30	Synthetic Biology in Chimeric Antigen Receptor T (CAR T) Cell Engineering. <i>ACS Synthetic Biology</i> , 2022, 11, 1-15.	3.8	14
31	Chimeric antigen receptor engineered T cells and their application in the immunotherapy of solid tumours. <i>Expert Reviews in Molecular Medicine</i> , 2022, 24, e7.	3.9	8
32	Anti-CAIX BB $\hat{1}$ CAR4/8 T cells exhibit superior efficacy in a ccRCC mouse model. <i>Molecular Therapy - Oncolytics</i> , 2022, 24, 385-399.	4.4	15
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35	The Promise of CAR T-Cell Therapy for the Treatment of Cancer Stem Cells: A Short Review. <i>Current Stem Cell Research and Therapy</i> , 2022, 17, 400-406.	1.3	6
36	Preclinical evaluation and structural optimization of anti-BCMA CAR to target multiple myeloma. <i>Haematologica</i> , 2022, 107, 2395-2407.	3.5	7
37	Hallmarks of Resistance to Immune-Checkpoint Inhibitors. <i>Cancer Immunology Research</i> , 2022, 10, 372-383.	3.4	36

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40	Cancer-Homing CAR-T Cells and Endogenous Immune Population Dynamics. <i>International Journal of Molecular Sciences</i> , 2022, 23, 405.	4.1	11
41	Dual-aptamer-engineered M1 macrophage with enhanced specific targeting and checkpoint blocking for solid-tumor immunotherapy. <i>Molecular Therapy</i> , 2022, 30, 2817-2827.	8.2	13
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44	Immune Checkpoint Proteins, Metabolism and Adhesion Molecules: Overlooked Determinants of CAR T-Cell Migration?. <i>Cells</i> , 2022, 11, 1854.	4.1	7
45	Screening for CD19-specific chimaeric antigen receptors with enhanced signalling via a barcoded library of intracellular domains. <i>Nature Biomedical Engineering</i> , 2022, 6, 855-866.	22.5	23
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52	Chimeric Antigen Receptor Immunotherapy for Solid Tumors: Choosing the Right Ingredients for the Perfect Recipe. <i>Cancers</i> , 2022, 14, 5351.	3.7	1
53	Electrically regulated cell-based intervention for viral infections. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	7.1	2
54	Learning from TCR Signaling and Immunological Synapse Assembly to Build New Chimeric Antigen Receptors (CARs). <i>International Journal of Molecular Sciences</i> , 2022, 23, 14255.	4.1	8
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56	Joining Forces for Cancer Treatment: From TCR versus CAR to TCR and CAR. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14563.	4.1	6

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57	YIV-906 enhances nuclear factor of activated T-cells (NFAT) activity of T cells and promotes immune checkpoint blockade antibody action and CAR T-cell activity. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	2
58	Towards Novel Gene and Cell Therapy Approaches for Cervical Cancer. <i>Cancers</i> , 2023, 15, 263.	3.7	2
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63	Aptamer-Based Strategies to Boost Immunotherapy in TNBC. <i>Cancers</i> , 2023, 15, 2010.	3.7	5
64	CAR T Cell Therapy: A Versatile Living Drug. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6300.	4.1	10
65	A costimulatory chimeric antigen receptor targeting TROP2 enhances the cytotoxicity of NK cells expressing a T cell receptor reactive to human papillomavirus type 16 E7. <i>Cancer Letters</i> , 2023, 566, 216242.	7.2	4
66	Clinical applications of gene therapy for rare diseases: A review. <i>International Journal of Experimental Pathology</i> , 2023, 104, 154-176.	1.3	10
67	Trial watch: immunotherapeutic strategies on the horizon for hepatocellular carcinoma. <i>Oncolimmunology</i> , 2023, 12, .	4.6	2
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69	Universal redirection of CAR T cells against solid tumours via membrane-inserted ligands for the CAR. <i>Nature Biomedical Engineering</i> , 2023, 7, 1113-1128.	22.5	11
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72	Who wins the combat, CAR or TCR?. <i>Leukemia</i> , 2023, 37, 1953-1962.	7.2	2
73	Functional diversification and dynamics of CAR-T cells in patients with B-ALL. <i>Cell Reports</i> , 2023, 42, 113263.	6.4	1
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76	Rationally designed approaches to augment CAR-T therapy for solid tumor treatment. <i>Bioactive Materials</i> , 2024, 33, 377-395.	15.6	0
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78	Tuning spacer length improves the functionality of the nanobody-based VEGFR2 CAR T cell. <i>BMC Biotechnology</i> , 2024, 24, .	3.3	1
79	Engineering transcriptional regulation for cell-based therapies. <i>SLAS Technology</i> , 2024, 29, 100121.	1.9	0
80	Therapeutic potential of CRISPR/CAS9 genome modification in T cell-based immunotherapy of cancer. <i>Cytotherapy</i> , 2024, 26, 436-443.	0.7	0
81	Synthetic Biology Meets Ca ²⁺ Release-Activated Ca ²⁺ Channel-Dependent Immunomodulation. <i>Cells</i> , 2024, 13, 468.	4.1	0