

Kai W Wucherpennig

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

9,257
citations

41
h-index

96
g-index

105
ext. papers

13,493
ext. citations

22.9
avg, IF

5.86
L-index

#	Paper	IF	Citations
85	An immunogenic personal neoantigen vaccine for patients with melanoma. <i>Nature</i> , 2017 , 547, 217-221	50.4	1375
84	Signatures of T cell dysfunction and exclusion predict cancer immunotherapy response. <i>Nature Medicine</i> , 2018 , 24, 1550-1558	50.5	881
83	Neoantigen vaccine generates intratumoral T cell responses in phase Ib glioblastoma trial. <i>Nature</i> , 2019 , 565, 234-239	50.4	569
82	A Cancer Cell Program Promotes T Cell Exclusion and Resistance to Checkpoint Blockade. <i>Cell</i> , 2018 , 175, 984-997.e24	56.2	477
81	A major chromatin regulator determines resistance of tumor cells to T cell-mediated killing. <i>Science</i> , 2018 , 359, 770-775	33.3	404
80	Radiotherapy induces responses of lung cancer to CTLA-4 blockade. <i>Nature Medicine</i> , 2018 , 24, 1845-1854	50.5	379
79	Deconstructing the peptide-MHC specificity of T cell recognition. <i>Cell</i> , 2014 , 157, 1073-87	56.2	345
78	Structure of a human insulin peptide-HLA-DQ8 complex and susceptibility to type 1 diabetes. <i>Nature Immunology</i> , 2001 , 2, 501-7	19.1	305
77	A humanized model for multiple sclerosis using HLA-DR2 and a human T-cell receptor. <i>Nature Genetics</i> , 1999 , 23, 343-7	36.3	284
76	Polarized release of T-cell-receptor-enriched microvesicles at the immunological synapse. <i>Nature</i> , 2014 , 507, 118-23	50.4	275
75	MHC-II neoantigens shape tumour immunity and response to immunotherapy. <i>Nature</i> , 2019 , 574, 696-703	50.4	272
74	Developmental and oncogenic programs in H3K27M gliomas dissected by single-cell RNA-seq. <i>Science</i> , 2018 , 360, 331-335	33.3	255
73	T cell-targeting nanoparticles focus delivery of immunotherapy to improve antitumor immunity. <i>Nature Communications</i> , 2017 , 8, 1747	17.4	240
72	A facile approach to enhance antigen response for personalized cancer vaccination. <i>Nature Materials</i> , 2018 , 17, 528-534	27	215
71	Antibody-mediated inhibition of MICA and MICB shedding promotes NK cell-driven tumor immunity. <i>Science</i> , 2018 , 359, 1537-1542	33.3	196
70	B cell homeostasis and follicle confines are governed by fibroblastic reticular cells. <i>Nature Immunology</i> , 2014 , 15, 973-81	19.1	175
69	In vivo discovery of immunotherapy targets in the tumour microenvironment. <i>Nature</i> , 2014 , 506, 52-7	50.4	159

68	Polyspecificity of T cell and B cell receptor recognition. <i>Seminars in Immunology</i> , 2007 , 19, 216-24	10.7	159
67	Immunotherapy advances for glioblastoma. <i>Neuro-Oncology</i> , 2014 , 16, 1441-58	1	136
66	Structural biology of the T-cell receptor: insights into receptor assembly, ligand recognition, and initiation of signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010 , 2, a005140	10.2	109
65	Recombinant soluble human alpha 3 beta 1 integrin: purification, processing, regulation, and specific binding to laminin-5 and invasin in a mutually exclusive manner. <i>Biochemistry</i> , 1998 , 37, 10945-53 ²	3.2	102
64	Clinical and MRI phenotype of children with MOG antibodies. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 174-84	5	96
63	Molecular Pathways of Colon Inflammation Induced by Cancer Immunotherapy. <i>Cell</i> , 2020 , 182, 655-671.e22	5.2	85
62	FAP Delineates Heterogeneous and Functionally Divergent Stromal Cells in Immune-Excluded Breast Tumors. <i>Cancer Immunology Research</i> , 2018 , 6, 1472-1485	12.5	83
61	T-Scan: A Genome-wide Method for the Systematic Discovery of T Cell Epitopes. <i>Cell</i> , 2019 , 178, 1016-1028.e13	3.1	78
60	Ascl2-Dependent Cell Dedifferentiation Drives Regeneration of Ablated Intestinal Stem Cells. <i>Cell Stem Cell</i> , 2020 , 26, 377-390.e6	18	77
59	Subclonal cooperation drives metastasis by modulating local and systemic immune microenvironments. <i>Nature Cell Biology</i> , 2019 , 21, 879-888	23.4	69
58	Personal neoantigen vaccines induce persistent memory T cell responses and epitope spreading in patients with melanoma. <i>Nature Medicine</i> , 2021 , 27, 515-525	50.5	69
57	Structural alterations in peptide-MHC recognition by self-reactive T cell receptors. <i>Current Opinion in Immunology</i> , 2009 , 21, 590-5	7.8	68
56	pH-dependent peptide binding properties of the type I diabetes-associated I-Ag7 molecule: rapid release of CLIP at an endosomal pH. <i>Journal of Experimental Medicine</i> , 1999 , 189, 1723-34	16.6	68
55	T cell receptor crossreactivity as a general property of T cell recognition. <i>Molecular Immunology</i> , 2004 , 40, 1009-17	4.3	62
54	Common T-cell receptor V beta usage in oligoclonal T lymphocytes derived from cerebrospinal fluid and blood of patients with multiple sclerosis. <i>Annals of Neurology</i> , 1991 , 29, 33-40	9.4	61
53	Molecular mechanisms for contribution of MHC molecules to autoimmune diseases. <i>Current Opinion in Immunology</i> , 2014 , 31, 24-30	7.8	57
52	Landscape of B cell immunity and related immune evasion in human cancers. <i>Nature Genetics</i> , 2019 , 51, 560-567	36.3	56
51	Inhibitory CD161 receptor identified in glioma-infiltrating T cells by single-cell analysis. <i>Cell</i> , 2021 , 184, 1281-1298.e26	56.2	55

50	The tumor microenvironment shapes lineage, transcriptional, and functional diversity of infiltrating myeloid cells. <i>Cancer Immunology Research</i> , 2014 , 2, 655-67	12.5	53
49	T cell receptor recognition of self and foreign antigens in the induction of autoimmunity. <i>Seminars in Immunology</i> , 2011 , 23, 84-91	10.7	53
48	Binding of conserved islet peptides by human and murine MHC class II molecules associated with susceptibility to type I diabetes. <i>European Journal of Immunology</i> , 2000 , 30, 2497-506	6.1	52
47	The microRNA miR-31 inhibits CD8 T cell function in chronic viral infection. <i>Nature Immunology</i> , 2017 , 18, 791-799	19.1	44
46	Ex vivo analysis of thymic CD4 T cells in nonobese diabetic mice with tetramers generated from I-A(g7)/class II-associated invariant chain peptide precursors. <i>Journal of Immunology</i> , 2003 , 171, 4175-86	5.3	42
45	Metabolic labeling and targeted modulation of dendritic cells. <i>Nature Materials</i> , 2020 , 19, 1244-1252	27	41
44	Single-Cell RNA-Seq Reveals Cellular Hierarchies and Impaired Developmental Trajectories in Pediatric Ependymoma. <i>Cancer Cell</i> , 2020 , 38, 44-59.e9	24.3	40
43	Engineered MBP-specific human Tregs ameliorate MOG-induced EAE through IL-2-triggered inhibition of effector T cells. <i>Journal of Autoimmunity</i> , 2018 , 92, 77-86	15.5	39
42	Epithelial endoplasmic reticulum stress orchestrates a protective IgA response. <i>Science</i> , 2019 , 363, 993-998	39.5	37
41	Interactions between cancer cells and immune cells drive transitions to mesenchymal-like states in glioblastoma. <i>Cancer Cell</i> , 2021 , 39, 779-792.e11	24.3	37
40	Synthetic Lethal and Resistance Interactions with BET Bromodomain Inhibitors in Triple-Negative Breast Cancer. <i>Molecular Cell</i> , 2020 , 78, 1096-1113.e8	17.6	35
39	Discovery of specialized NK cell populations infiltrating human melanoma metastases. <i>JCI Insight</i> , 2019 , 4,	9.9	34
38	Binding of the cytoplasmic domain of CD28 to the plasma membrane inhibits Lck recruitment and signaling. <i>Science Signaling</i> , 2016 , 9, ra75	8.8	32
37	Noninvasive Imaging of Human Immune Responses in a Human Xenograft Model of Graft-Versus-Host Disease. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1003-1008	8.9	31
36	Inhibition of MICA and MICB Shedding Elicits NK-Cell-Mediated Immunity against Tumors Resistant to Cytotoxic T Cells. <i>Cancer Immunology Research</i> , 2020 , 8, 769-780	12.5	27
35	Vaccine-elicited receptor-binding site antibodies neutralize two New World hemorrhagic fever arenaviruses. <i>Nature Communications</i> , 2018 , 9, 1884	17.4	26
34	Integrin $\alpha 8$ -TGF β /SOX4 Pathway Drives Immune Evasion in Triple-Negative Breast Cancer. <i>Cancer Cell</i> , 2021 , 39, 54-67.e9	24.3	25
33	Membrane association of the CD3 signaling domain is required for optimal T cell development and function. <i>Journal of Immunology</i> , 2014 , 193, 258-67	5.3	24

32	Signaling by the Epstein-Barr virus LMP1 protein induces potent cytotoxic CD4 and CD8 T cell responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E686-E695	11.5	22
31	Multimodal pooled Perturb-CITE-seq screens in patient models define mechanisms of cancer immune evasion. <i>Nature Genetics</i> , 2021 , 53, 332-341	36.3	22
30	Replicational Dilution of H3K27me3 in Mammalian Cells and the Role of Poised Promoters. <i>Molecular Cell</i> , 2020 , 78, 141-151.e5	17.6	20
29	Opposing immune and genetic mechanisms shape oncogenic programs in synovial sarcoma. <i>Nature Medicine</i> , 2021 , 27, 289-300	50.5	19
28	Mechanism of EBV inducing anti-tumour immunity and its therapeutic use. <i>Nature</i> , 2021 , 590, 157-162	50.4	18
27	Understanding and treating the inflammatory adverse events of cancer immunotherapy. <i>Cell</i> , 2021 , 184, 1575-1588	56.2	17
26	Acquired resistance to combined BET and CDK4/6 inhibition in triple-negative breast cancer. <i>Nature Communications</i> , 2020 , 11, 2350	17.4	15
25	CARM1 Inhibition Enables Immunotherapy of Resistant Tumors by Dual Action on Tumor Cells and T Cells. <i>Cancer Discovery</i> , 2021 , 11, 2050-2071	24.4	14
24	Genetic screens to study the immune system in cancer. <i>Current Opinion in Immunology</i> , 2016 , 41, 55-61	7.8	13
23	Inhibition of MAN2A1 Enhances the Immune Response to Anti-PD-L1 in Human Tumors. <i>Clinical Cancer Research</i> , 2020 , 26, 5990-6002	12.9	13
22	Rapid CLIP dissociation from MHC II promotes an unusual antigen presentation pathway in autoimmunity. <i>Journal of Experimental Medicine</i> , 2018 , 215, 2617-2635	16.6	13
21	Presentation of a self-peptide in two distinct conformations by a disease-associated HLA-B27 subtype. <i>Journal of Experimental Medicine</i> , 2004 , 199, 151-4	16.6	12
20	Inhibition of Haspin Kinase Promotes Cell-Intrinsic and Extrinsic Antitumor Activity. <i>Cancer Research</i> , 2020 , 80, 798-810	10.1	12
19	Hdac3 is an epigenetic inhibitor of the cytotoxicity program in CD8 T cells. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	12
18	Inhibition of CDK4/6 Promotes CD8 T-cell Memory Formation. <i>Cancer Discovery</i> , 2021 , 11, 2564-2581	24.4	11
17	Visualization and quantification of NK cell-mediated cytotoxicity over extended time periods by image cytometry. <i>Journal of Immunological Methods</i> , 2019 , 469, 47-51	2.5	8
16	Quiescent cancer cells resist T cell attack by forming an immunosuppressive niche.. <i>Cell</i> , 2022 ,	56.2	7
15	Immunosuppressive Myeloid Cells Induce Nitric Oxide-Dependent DNA Damage and p53 Pathway Activation in CD8 T Cells. <i>Cancer Immunology Research</i> , 2021 , 9, 470-485	12.5	6

14	Systematic investigation of cytokine signaling activity at the tissue and single-cell levels. <i>Nature Methods</i> , 2021 , 18, 1181-1191	21.6	6
13	clAP1/2 antagonism eliminates MHC class I-negative tumors through T cell-dependent reprogramming of mononuclear phagocytes. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	5
12	MYC drives aggressive prostate cancer by disrupting transcriptional pause release at androgen receptor targets.. <i>Nature Communications</i> , 2022 , 13, 2559	17.4	5
11	Studying Dynamic Plasma Membrane Binding of TCR-CD3 Chains During Immunological Synapse Formation Using Donor-Quenching FRET and FLIM-FRET. <i>Methods in Molecular Biology</i> , 2017 , 1584, 259-289	1.4	3
10	Multi-modal pooled Perturb-CITE-Seq screens in patient models define novel mechanisms of cancer immune evasion		3
9	Augmenting NK cell-based immunotherapy by targeting mitochondrial apoptosis.. <i>Cell</i> , 2022 ,	56.2	3
8	Discovering cancer immunotherapy targets in vivo. <i>Onc Immunology</i> , 2014 , 3, e28500	7.2	1
7	Gene activation during experimental allergic encephalomyelitis. Cloning of new cDNAs. <i>Annals of the New York Academy of Sciences</i> , 1988 , 540, 264-5	6.5	1
6	MICA/B antibody induces macrophage-mediated immunity against acute myeloid leukemia. <i>Blood</i> , 2021 ,	2.2	1
5	MICA/B-targeted antibody promotes NK cell-driven tumor immunity in patients with intrahepatic cholangiocarcinoma.. <i>Onc Immunology</i> , 2022 , 11, 2035919	7.2	1
4	A Conceptual Framework for Inducing T Cell-Mediated Immunity Against Glioblastoma.. <i>Seminars in Immunopathology</i> , 2022 , 1	12	1
3	Mechanical Checkpoint Regulates Monocyte Differentiation in Fibrotic Matrix. <i>Blood</i> , 2021 , 138, 2539-2539		0
2	Structural Basis of T-Cell Receptor Specificity and Cross-Reactivity: Implications for Pathogenesis of Human Autoimmune Diseases197-213		
1	OTME-7. Cancer - immune cell interactions drive transitions to mesenchymal-like state in glioblastoma. <i>Neuro-Oncology Advances</i> , 2021 , 3, ii14-ii15	0.9	