Kai W Wucherpfennig

List of Publications by Year in Descending Order

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	MICA/B-targeted antibody promotes NK cell-driven tumor immunity in patients with intrahepatic cholangiocarcinoma.. *OncoImmunology*, **2022**, 11, 2035919	7.2	1
84	Augmenting NK cell-based immunotherapy by targeting mitochondrial apoptosis.. *Cell*, **2022**,	56.2	3
83	Quiescent cancer cells resist T cell attack by forming an immunosuppressive niche.. *Cell*, **2022**,	56.2	7
82	A Conceptual Framework for Inducing T Cell-Mediated Immunity Against Glioblastoma.. *Seminars in Immunopathology*, **2022**, 1	12	1
81	MYC drives aggressive prostate cancer by disrupting transcriptional pause release at androgen receptor targets.. *Nature Communications*, **2022**, 13, 2559	17.4	5
80	Mechanical Checkpoint Regulates Monocyte Differentiation in Fibrotic Matrix. *Blood*, **2021**, 138, 2539-2539	22.3	0
79	Understanding and treating the inflammatory adverse events of cancer immunotherapy. *Cell*, **2021**, 184, 1575-1588	56.2	17
78	Multimodal pooled Perturb-CITE-seq screens in patient models define mechanisms of cancer immune evasion. *Nature Genetics*, **2021**, 53, 332-341	36.3	22
77	Inhibitory CD161 receptor identified in glioma-infiltrating T cells by single-cell analysis. *Cell*, **2021**, 184, 1281-1298.e26	56.2	55
76	cIAP1/2 antagonism eliminates MHC class I-negative tumors through T cell-dependent reprogramming of mononuclear phagocytes. *Science Translational Medicine*, **2021**, 13,	17.5	5
75	Inhibition of CDK4/6 Promotes CD8 T-cell Memory Formation. *Cancer Discovery*, **2021**, 11, 2564-2581	24.4	11
74	Interactions between cancer cells and immune cells drive transitions to mesenchymal-like states in glioblastoma. *Cancer Cell*, **2021**, 39, 779-792.e11	24.3	37
73	Mechanism of EBV inducing anti-tumour immunity and its therapeutic use. *Nature*, **2021**, 590, 157-162	50.4	18
72	Opposing immune and genetic mechanisms shape oncogenic programs in synovial sarcoma. *Nature Medicine*, **2021**, 27, 289-300	50.5	19
71	Immunosuppressive Myeloid Cells Induce Nitric Oxide-Dependent DNA Damage and p53 Pathway Activation in CD8 T Cells. *Cancer Immunology Research*, **2021**, 9, 470-485	12.5	6
70	Integrin αvβ6-TGFβ-SOX4 Pathway Drives Immune Evasion in Triple-Negative Breast Cancer. *Cancer Cell*, **2021**, 39, 54-67.e9	24.3	25
69	Personal neoantigen vaccines induce persistent memory T cell responses and epitope spreading in patients with melanoma. *Nature Medicine*, **2021**, 27, 515-525	50.5	69

#	Reference	IF	Cit.
68	CARM1 Inhibition Enables Immunotherapy of Resistant Tumors by Dual Action on Tumor Cells and T Cells. *Cancer Discovery*, **2021**, 11, 2050-2071	24.4	14
67	OTME-7. Cancer - immune cell interactions drive transitions to mesenchymal-like state in glioblastoma. *Neuro-Oncology Advances*, **2021**, 3, ii14-ii15	0.9	
66	MICA/B antibody induces macrophage-mediated immunity against acute myeloid leukemia. *Blood*, **2021**,	2.2	1
65	Systematic investigation of cytokine signaling activity at the tissue and single-cell levels. *Nature Methods*, **2021**, 18, 1181-1191	21.6	6
64	Metabolic labeling and targeted modulation of dendritic cells. *Nature Materials*, **2020**, 19, 1244-1252	27	41
63	Acquired resistance to combined BET and CDK4/6 inhibition in triple-negative breast cancer. *Nature Communications*, **2020**, 11, 2350	17.4	15
62	Inhibition of MICA and MICB Shedding Elicits NK-Cell-Mediated Immunity against Tumors Resistant to Cytotoxic T Cells. *Cancer Immunology Research*, **2020**, 8, 769-780	12.5	27
61	Molecular Pathways of Colon Inflammation Induced by Cancer Immunotherapy. *Cell*, **2020**, 182, 655-671.e22	38.6	85
60	Ascl2-Dependent Cell Dedifferentiation Drives Regeneration of Ablated Intestinal Stem Cells. *Cell Stem Cell*, **2020**, 26, 377-390.e6	18	77
59	Replicational Dilution of H3K27me3 in Mammalian Cells and the Role of Poised Promoters. *Molecular Cell*, **2020**, 78, 141-151.e5	17.6	20
58	Synthetic Lethal and Resistance Interactions with BET Bromodomain Inhibitors in Triple-Negative Breast Cancer. *Molecular Cell*, **2020**, 78, 1096-1113.e8	17.6	35
57	Inhibition of Haspin Kinase Promotes Cell-Intrinsic and Extrinsic Antitumor Activity. *Cancer Research*, **2020**, 80, 798-810	10.1	12
56	Single-Cell RNA-Seq Reveals Cellular Hierarchies and Impaired Developmental Trajectories in Pediatric Ependymoma. *Cancer Cell*, **2020**, 38, 44-59.e9	24.3	40
55	Inhibition of MAN2A1 Enhances the Immune Response to Anti-PD-L1 in Human Tumors. *Clinical Cancer Research*, **2020**, 26, 5990-6002	12.9	13
54	Hdac3 is an epigenetic inhibitor of the cytotoxicity program in CD8 T cells. *Journal of Experimental Medicine*, **2020**, 217,	16.6	12
53	Epithelial endoplasmic reticulum stress orchestrates a protective IgA response. *Science*, **2019**, 363, 993-998	33.3	37
52	Visualization and quantification of NK cell-mediated cytotoxicity over extended time periods by image cytometry. *Journal of Immunological Methods*, **2019**, 469, 47-51	2.5	8
51	Landscape of B cell immunity and related immune evasion in human cancers. *Nature Genetics*, **2019**, 51, 560-567	36.3	56

50	T-Scan: A Genome-wide Method for the Systematic Discovery of T Cell Epitopes. *Cell*, **2019**, 178, 1016-1028.e13	38.2	78
49	Subclonal cooperation drives metastasis by modulating local and systemic immune microenvironments. *Nature Cell Biology*, **2019**, 21, 879-888	23.4	69
48	Discovery of specialized NK cell populations infiltrating human melanoma metastases. *JCI Insight*, **2019**, 4,	9.9	34
47	MHC-II neoantigens shape tumour immunity and response to immunotherapy. *Nature*, **2019**, 574, 696-701	50.4	272
46	Neoantigen vaccine generates intratumoral T cell responses in phase Ib glioblastoma trial. *Nature*, **2019**, 565, 234-239	50.4	569
45	A facile approach to enhance antigen response for personalized cancer vaccination. *Nature Materials*, **2018**, 17, 528-534	27	215
44	Developmental and oncogenic programs in H3K27M gliomas dissected by single-cell RNA-seq. *Science*, **2018**, 360, 331-335	33.3	255
43	Signaling by the Epstein-Barr virus LMP1 protein induces potent cytotoxic CD4 and CD8 T cell responses. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E686-E695	11.5	22
42	A major chromatin regulator determines resistance of tumor cells to T cell-mediated killing. *Science*, **2018**, 359, 770-775	33.3	404
41	Antibody-mediated inhibition of MICA and MICB shedding promotes NK cell-driven tumor immunity. *Science*, **2018**, 359, 1537-1542	33.3	196
40	Signatures of T cell dysfunction and exclusion predict cancer immunotherapy response. *Nature Medicine*, **2018**, 24, 1550-1558	50.5	881
39	Radiotherapy induces responses of lung cancer to CTLA-4 blockade. *Nature Medicine*, **2018**, 24, 1845-1851	50.5	379
38	FAP Delineates Heterogeneous and Functionally Divergent Stromal Cells in Immune-Excluded Breast Tumors. *Cancer Immunology Research*, **2018**, 6, 1472-1485	12.5	83
37	A Cancer Cell Program Promotes T Cell Exclusion and Resistance to Checkpoint Blockade. *Cell*, **2018**, 175, 984-997.e24	56.2	477
36	Rapid CLIP dissociation from MHC II promotes an unusual antigen presentation pathway in autoimmunity. *Journal of Experimental Medicine*, **2018**, 215, 2617-2635	16.6	13
35	Engineered MBP-specific human Tregs ameliorate MOG-induced EAE through IL-2-triggered inhibition of effector T cells. *Journal of Autoimmunity*, **2018**, 92, 77-86	15.5	39
34	Vaccine-elicited receptor-binding site antibodies neutralize two New World hemorrhagic fever arenaviruses. *Nature Communications*, **2018**, 9, 1884	17.4	26
33	Noninvasive Imaging of Human Immune Responses in a Human Xenograft Model of Graft-Versus-Host Disease. *Journal of Nuclear Medicine*, **2017**, 58, 1003-1008	8.9	31

32   The microRNA miR-31 inhibits CD8 T cell function in chronic viral infection. *Nature Immunology*, **2017**, 18, 791-799 — 19.1   44

31   T cell-targeting nanoparticles focus delivery of immunotherapy to improve antitumor immunity. *Nature Communications*, **2017**, 8, 1747 — 17.4   240

30   An immunogenic personal neoantigen vaccine for patients with melanoma. *Nature*, **2017**, 547, 217-221 — 50.4   1375

29   Studying Dynamic Plasma Membrane Binding of TCR-CD3 Chains During Immunological Synapse Formation Using Donor-Quenching FRET and FLIM-FRET. *Methods in Molecular Biology*, **2017**, 1584, 259-289 — 1.1   3

28   Clinical and MRI phenotype of children with MOG antibodies. *Multiple Sclerosis Journal*, **2016**, 22, 174-84 — 5   96

27   Binding of the cytoplasmic domain of CD28 to the plasma membrane inhibits Lck recruitment and signaling. *Science Signaling*, **2016**, 9, ra75 — 8.8   32

26   Genetic screens to study the immune system in cancer. *Current Opinion in Immunology*, **2016**, 41, 55-61 — 7.8   13

25   The tumor microenvironment shapes lineage, transcriptional, and functional diversity of infiltrating myeloid cells. *Cancer Immunology Research*, **2014**, 2, 655-67 — 12.5   53

24   Polarized release of T-cell-receptor-enriched microvesicles at the immunological synapse. *Nature*, **2014**, 507, 118-23 — 50.4   275

23   In vivo discovery of immunotherapy targets in the tumour microenvironment. *Nature*, **2014**, 506, 52-7 — 50.4   159

22   Immunotherapy advances for glioblastoma. *Neuro-Oncology*, **2014**, 16, 1441-58 — 1   136

21   Molecular mechanisms for contribution of MHC molecules to autoimmune diseases. *Current Opinion in Immunology*, **2014**, 31, 24-30 — 7.8   57

20   B cell homeostasis and follicle confines are governed by fibroblastic reticular cells. *Nature Immunology*, **2014**, 15, 973-81 — 19.1   175

19   Deconstructing the peptide-MHC specificity of T cell recognition. *Cell*, **2014**, 157, 1073-87 — 56.2   345

18   Membrane association of the CD3ε signaling domain is required for optimal T cell development and function. *Journal of Immunology*, **2014**, 193, 258-67 — 5.3   24

17   Discovering cancer immunotherapy targets in vivo. *OncoImmunology*, **2014**, 3, e28500 — 7.2   1

16   T cell receptor recognition of self and foreign antigens in the induction of autoimmunity. *Seminars in Immunology*, **2011**, 23, 84-91 — 10.7   53

15   Structural biology of the T-cell receptor: insights into receptor assembly, ligand recognition, and initiation of signaling. *Cold Spring Harbor Perspectives in Biology*, **2010**, 2, a005140 — 10.2   109

14	Structural alterations in peptide-MHC recognition by self-reactive T cell receptors. *Current Opinion in Immunology*, **2009**, 21, 590-5	7.8	68
13	Polyspecificity of T cell and B cell receptor recognition. *Seminars in Immunology*, **2007**, 19, 216-24	10.7	159
12	Presentation of a self-peptide in two distinct conformations by a disease-associated HLA-B27 subtype. *Journal of Experimental Medicine*, **2004**, 199, 151-4	16.6	12
11	T cell receptor crossreactivity as a general property of T cell recognition. *Molecular Immunology*, **2004**, 40, 1009-17	4.3	62
10	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. *Journal of Immunology*, **2003**, 171, 4175-86	5.3	42
9	Structure of a human insulin peptide-HLA-DQ8 complex and susceptibility to type 1 diabetes. *Nature Immunology*, **2001**, 2, 501-7	19.1	305
8	Binding of conserved islet peptides by human and murine MHC class II molecules associated with susceptibility to type I diabetes. *European Journal of Immunology*, **2000**, 30, 2497-506	6.1	52
7	pH-dependent peptide binding properties of the type I diabetes-associated I-Ag7 molecule: rapid release of CLIP at an endosomal pH. *Journal of Experimental Medicine*, **1999**, 189, 1723-34	16.6	68
6	A humanized model for multiple sclerosis using HLA-DR2 and a human T-cell receptor. *Nature Genetics*, **1999**, 23, 343-7	36.3	284
5	Recombinant soluble human alpha 3 beta 1 integrin: purification, processing, regulation, and specific binding to laminin-5 and invasin in a mutually exclusive manner. *Biochemistry*, **1998**, 37, 10945-55	3.2	102
4	Common T-cell receptor V beta usage in oligoclonal T lymphocytes derived from cerebrospinal fluid and blood of patients with multiple sclerosis. *Annals of Neurology*, **1991**, 29, 33-40	9.4	61
3	Gene activation during experimental allergic encephalomyelitis. Cloning of new cDNAs. *Annals of the New York Academy of Sciences*, **1988**, 540, 264-5	6.5	1
2	Multi-modal pooled Perturb-CITE-Seq screens in patient models define novel mechanisms of cancer immune evasion		3
1	Structural Basis of T-Cell Receptor Specificity and Cross-Reactivity: Implications for Pathogenesis of Human Autoimmune Diseases197-213		