

John W Kappler

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

9,401
citations

66234

42
h-index

71532

76
g-index

80
all docs

80
docs citations

80
times ranked

7739
citing authors

#	ARTICLE	IF	CITATIONS
1	T cell tolerance by clonal elimination in the thymus. <i>Cell</i> , 1987, 49, 273-280.	13.5	2,161
2	Control of Homeostasis of CD8+ Memory T Cells by Opposing Cytokines. <i>Science</i> , 2000, 288, 675-678.	6.0	776
3	Autoimmune disease: why and where it occurs. <i>Nature Medicine</i> , 2001, 7, 899-905.	15.2	500
4	Detection of Antigen-Specific T Cells with Multivalent Soluble Class II MHC Covalent Peptide Complexes. <i>Immunity</i> , 1998, 8, 675-682.	6.6	440
5	A superantigen encoded in the open reading frame of the 3â€² long terminal repeat of mouse mammary tumour virus. <i>Nature</i> , 1991, 350, 203-207.	13.7	404
6	Chromogranin A is an autoantigen in type 1 diabetes. <i>Nature Immunology</i> , 2010, 11, 225-231.	7.0	303
7	Production of soluble MHC class II proteins with covalently bound single peptides. <i>Nature</i> , 1994, 369, 151-154.	13.7	292
8	Evolutionarily Conserved Amino Acids That Control TCR-MHC Interaction. <i>Annual Review of Immunology</i> , 2008, 26, 171-203.	9.5	261
9	Primary structure of human T-cell receptor Î±-chain. <i>Nature</i> , 1984, 312, 771-775.	13.7	257
10	Homeostasis of Î±Î² TCR+ T cells. <i>Nature Immunology</i> , 2000, 1, 107-111.	7.0	239
11	Immunological adjuvants promote activated T cell survival via induction of Bcl-3. <i>Nature Immunology</i> , 2001, 2, 397-402.	7.0	209
12	CD11c-Expressing B Cells Are Located at the T Cell/B Cell Border in Spleen and Are Potent APCs. <i>Journal of Immunology</i> , 2015, 195, 71-79.	0.4	179
13	Diabetogenic T cells recognize insulin bound to IA ^{g7} in an unexpected, weakly binding register. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10978-10983.	3.3	175
14	Crossreactive T Cells Spotlight the Germline Rules for Î±Î² T Cell-Receptor Interactions with MHC Molecules. <i>Immunity</i> , 2008, 28, 324-334.	6.6	171
15	Islet-Derived CD4 T Cells Targeting Proinsulin in Human Autoimmune Diabetes. <i>Diabetes</i> , 2017, 66, 722-734.	0.3	154
16	The basis of a more contagious 501Y.V1 variant of SARS-CoV-2. <i>Cell Research</i> , 2021, 31, 720-722.	5.7	129
17	Specificity and detection of insulin-reactive CD4 ⁺ T cells in type 1 diabetes in the nonobese diabetic (NOD) mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16729-16734.	3.3	128
18	Autoreactive T cells specific for insulin B:11-23 recognize a low-affinity peptide register in human subjects with autoimmune diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14840-14845.	3.3	112

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19	TCR-Induced Transmembrane Signaling by Peptide/MHC Class II Via Associated Ig-alpha /beta Dimers. <i>Science</i> , 2001, 291, 1537-1540.	6.0	103
20	Crystal structure of HLA-DP2 and implications for chronic beryllium disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7425-7430.	3.3	103
21	Interface-disrupting amino acids establish specificity between T cell receptors and complexes of major histocompatibility complex and peptide. <i>Nature Immunology</i> , 2006, 7, 1191-1199.	7.0	101
22	Structural Basis of Chronic Beryllium Disease: Linking Allergic Hypersensitivity and Autoimmunity. <i>Cell</i> , 2014, 158, 132-142.	13.5	101
23	A cell line that can induce thymocyte positive selection. <i>Nature</i> , 1992, 360, 679-682.	13.7	87
24	Detection of T cell responses to a ubiquitous cellular protein in autoimmune disease. <i>Science</i> , 2014, 346, 363-368.	6.0	86
25	A Single T Cell Receptor Bound to Major Histocompatibility Complex Class I and Class II Glycoproteins Reveals Switchable TCR Conformers. <i>Immunity</i> , 2011, 35, 23-33.	6.6	80
26	Presentation of antigen, foreign major histocompatibility complex proteins and self by thymus cortical epithelium. <i>Nature</i> , 1989, 338, 503-505.	13.7	78
27	Use of baculovirus MHC/peptide display libraries to characterize T-cell receptor ligands. <i>Immunological Reviews</i> , 2006, 210, 156-170.	2.8	65
28	501Y.V2 and 501Y.V3 variants of SARS-CoV-2 lose binding to bamlanivimab <i>in vitro</i> . <i>MAbs</i> , 2021, 13, 1919285.	2.6	65
29	T Cell Production of IFN γ in Response to TLR7/IL-12 Stimulates Optimal B Cell Responses to Viruses. <i>PLoS ONE</i> , 2016, 11, e0166322.	1.1	64
30	Mimotopes for Alloreactive and Conventional T Cells in a Peptide-MHC Display Library. <i>PLoS Biology</i> , 2004, 2, e90.	2.6	64
31	T-cell survival. <i>Immunological Reviews</i> , 1998, 165, 279-285.	2.8	63
32	Regulatory vs. inflammatory cytokine T-cell responses to mutated insulin peptides in healthy and type 1 diabetic subjects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4429-4434.	3.3	62
33	C-terminal modification of the insulin B:11-23 peptide creates superagonists in mouse and human type 1 diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 162-167.	3.3	60
34	Antiviral CD8+ T Cells Restricted by Human Leukocyte Antigen Class II Exist during Natural HIV Infection and Exhibit Clonal Expansion. <i>Immunity</i> , 2016, 45, 917-930.	6.6	59
35	Tolerance to Self Antigens Shapes the T-Cell Repertoire. <i>Immunological Reviews</i> , 1989, 107, 125-140.	2.8	58
36	T cells and their eons-old obsession with MHC. <i>Immunological Reviews</i> , 2012, 250, 49-60.	2.8	58

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37	Identification of beryllium-dependent peptides recognized by CD4+ T cells in chronic beryllium disease. <i>Journal of Experimental Medicine</i> , 2013, 210, 1403-1418.	4.2	57
38	Identification of shared TCR sequences from T cells in human breast cancer using emulsion RT-PCR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8272-8277.	3.3	56
39	CD8+ T-cell clones in old mice. <i>Immunological Reviews</i> , 1997, 160, 139-144.	2.8	54
40	Peptide vaccines prevent tumor growth by activating T cells that respond to native tumor antigens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4652-4657.	3.3	54
41	SARS-CoV-2 Variants of Concern and Variants of Interest Receptor Binding Domain Mutations and Virus Infectivity. <i>Frontiers in Immunology</i> , 2022, 13, 825256.	2.2	54
42	Selection of Antigen-specific T Cells by a Single I-Ek Peptide Combination. <i>Journal of Experimental Medicine</i> , 1997, 186, 1441-1450.	4.2	50
43	Positive Selection of TcRalphabeta Thymocytes: Is Cortical Thymic Epithelium an Obligatory Participant in the Presentation of Major Histocompatibility Complex Protein?. <i>Immunological Reviews</i> , 1993, 135, 133-155.	2.8	49
44	Beryllium-Induced Hypersensitivity: Genetic Susceptibility and Neoantigen Generation. <i>Journal of Immunology</i> , 2016, 196, 22-27.	0.4	48
45	Clipping of arginine-methylated histone tails by JMJD5 and JMJD7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7717-E7726.	3.3	48
46	Death and T Cells. <i>Immunological Reviews</i> , 1993, 133, 119-129.	2.8	48
47	T-cell receptor (TCR) interaction with peptides that mimic nickel offers insight into nickel contact allergy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18517-18522.	3.3	43
48	Do MHCII-Presented Neoantigens Drive Type 1 Diabetes and Other Autoimmune Diseases?. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a007765-a007765.	2.9	43
49	N-terminal additions to the WE14 peptide of chromogranin A create strong autoantigen agonists in type 1 diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13318-13323.	3.3	40
50	How C-terminal additions to insulin B-chain fragments create superagonists for T cells in mouse and human type 1 diabetes. <i>Science Immunology</i> , 2019, 4, .	5.6	38
51	Regulatory T cells modulate granulomatous inflammation in an HLA-DP2 transgenic murine model of beryllium-induced disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8553-8558.	3.3	34
52	Lysosomal cathepsin creates chimeric epitopes for diabetogenic CD4 T cells via transpeptidation. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	34
53	Development of T cell lines sensitive to antigen stimulation. <i>Journal of Immunological Methods</i> , 2018, 462, 65-73.	0.6	31
54	Baculovirus-Infected Insect Cells Expressing Peptide-MHC Complexes Elicit Protective Antitumor Immunity. <i>Journal of Immunology</i> , 2008, 180, 188-197.	0.4	27

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55	MHC class I loaded ligands from breast cancer cell lines: A potential HLA-I-typed antigen collection. <i>Journal of Proteomics</i> , 2018, 176, 13-23.	1.2	27
56	Class II major histocompatibility complex mutant mice to study the germ-line bias of T-cell antigen receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5608-E5617.	3.3	25
57	The somatically generated portion of T cell receptor CDR3 β contributes to the MHC allele specificity of the T cell receptor. <i>ELife</i> , 2017, 6, .	2.8	25
58	Mutagenesis of Beryllium-Specific TCRs Suggests an Unusual Binding Topology for Antigen Recognition. <i>Journal of Immunology</i> , 2011, 187, 3694-3703.	0.4	24
59	Specific Recognition of Arginine Methylated Histone Tails by JMJD5 and JMJD7. <i>Scientific Reports</i> , 2018, 8, 3275.	1.6	23
60	Identification of Multiple Public TCR Repertoires in Chronic Beryllium Disease. <i>Journal of Immunology</i> , 2014, 192, 4571-4580.	0.4	22
61	Improving Antigenic Peptide Vaccines for Cancer Immunotherapy Using a Dominant Tumor-specific T Cell Receptor. <i>Journal of Biological Chemistry</i> , 2013, 288, 33213-33225.	1.6	21
62	JMJD6 cleaves MePCE to release positive transcription elongation factor b (P-TEFb) in higher eukaryotes. <i>ELife</i> , 2020, 9, .	2.8	20
63	Production and Characterization of T Cell Hybridomas. , 2000, 134, 185-193.		19
64	Inherent reactivity of unselected TCR repertoires to peptide-MHC molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22252-22261.	3.3	17
65	TCR hypervariable regions expressed by T cells that respond to effective tumor vaccines. <i>Cancer Immunology, Immunotherapy</i> , 2012, 61, 1627-1638.	2.0	16
66	Tolerance induction in memory CD4 T cells requires two rounds of antigen-specific activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7735-7740.	3.3	16
67	Generation of functional human thymic cells from induced pluripotent stem cells. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 767-781.e6.	1.5	16
68	Contamination of DNase Preparations Confounds Analysis of the Role of DNA in Alum-Adjuvanted Vaccines. <i>Journal of Immunology</i> , 2016, 197, 1221-1230.	0.4	14
69	A Rapid Method to Characterize Mouse IgG Antibodies and Isolate Native Antigen Binding IgG B Cell Hybridomas. <i>PLoS ONE</i> , 2015, 10, e0136613.	1.1	13
70	Beryllium-specific CD4+ T cells induced by chemokine neoantigens perpetuate inflammation. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	9
71	Structures suggest an approach for converting weak self-peptide tumor antigens into superagonists for CD8 T cells in cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2100588118.	3.3	9
72	The domestic cat antibody response to feline herpesvirus-1 increases with age. <i>Veterinary Immunology and Immunopathology</i> , 2017, 188, 65-70.	0.5	8

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73	JMJD5 couples with CDK9 to release the paused RNA polymerase II. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19888-19895.	3.3	8
74	Predisposition to Proinsulin Misfolding as a Genetic Risk to Diet-Induced Diabetes. Diabetes, 2021, 70, 2580-2594.	0.3	6
75	Is Tall-1 a trimer or a virus-like cluster?. Nature, 2004, 427, 414-414.	13.7	5
76	A monoclonal antibody with broad specificity for the ligands of insulin B:9-23 reactive T cells prevents spontaneous type 1 diabetes in mice. MAbs, 2020, 12, 1836714.	2.6	5
77	Hidden in Plain View: Discovery of Chimeric Diabetogenic CD4 T Cell Neo-Epitopes. Frontiers in Immunology, 2021, 12, 669986.	2.2	2
78	Gender specific disease propensities of bone marrow cells from New Zealand hybrid mice. FASEB Journal, 2008, 22, 667.18.	0.2	0
79	Evolutionarily conserved cysteines in the stalk region of CD3ε are critical for T cell development and function. FASEB Journal, 2008, 22, 662.20.	0.2	0