John W Kappler

List of Publications by Year
in descending order

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79	9,401	66234	71532
papers	citations	42	76
		h-index	g-index

80	80	80	7739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generation of functional human thymic cells from induced pluripotent stem cells. Journal of Allergy and Clinical Immunology, 2022, 149, 767-781.e6.	1.5	16
2	SARS-CoV-2 Variants of Concern and Variants of Interest Receptor Binding Domain Mutations and Virus Infectivity. Frontiers in Immunology, 2022, 13, 825256.	2.2	54
3	The basis of a more contagious 501Y.V1 variant of SARS-CoV-2. Cell Research, 2021, 31, 720-722.	5.7	129
4	Hidden in Plain View: Discovery of Chimeric Diabetogenic CD4 T Cell Neo-Epitopes. Frontiers in Immunology, 2021, 12, 669986.	2.2	2
5	Beryllium-specific CD4+ T cells induced by chemokine neoantigens perpetuate inflammation. Journal of Clinical Investigation, 2021, 131, .	3.9	9
6	Structures suggest an approach for converting weak self-peptide tumor antigens into superagonists for CD8 T cells in cancer. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2100588118.	3.3	9
7	Predisposition to Proinsulin Misfolding as a Genetic Risk to Diet-Induced Diabetes. Diabetes, 2021, 70, 2580-2594.	0.3	6
8	501Y.V2 and 501Y.V3 variants of SARS-CoV-2 lose binding to bamlanivimab in vitro. MAbs, 2021, 13, 1919285.	2.6	65
9	Lysosomal cathepsin creates chimeric epitopes for diabetogenic CD4 T cells via transpeptidation. Journal of Experimental Medicine, 2021, 218, .	4.2	34
10	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
11	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
12	JMJD6 cleaves MePCE to release positive transcription elongation factor b (P-TEFb) in higher eukaryotes. ELife, 2020, 9, .	2.8	20
13	Inherent reactivity of unselected TCR repertoires to peptide-MHC molecules. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22252-22261.	3.3	17
14	How C-terminal additions to insulin B-chain fragments create superagonists for T cells in mouse and human type 1 diabetes. Science Immunology, 2019, 4, .	5.6	38
15	MHC class I loaded ligands from breast cancer cell lines: A potential HLA-I-typed antigen collection. Journal of Proteomics, 2018, 176, 13-23.	1.2	27
16	C-terminal modification of the insulin B:11â€“23 peptide creates superagonists in mouse and human type 1 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 162-167.	3.3	60
17	Specific Recognition of Arginine Methylated Histone Tails by JMJD5 and JMJD7. Scientific Reports, 2018, 8, 3275.	1.6	23
18	Development of T cell lines sensitive to antigen stimulation. Journal of Immunological Methods, 2018, 462, 65-73.	0.6	31

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19	The domestic cat antibody response to feline herpesvirus-1 increases with age. Veterinary Immunology and Immunopathology, 2017, 188, 65-70.	0.5	8
20	Islet-Derived CD4 T Cells Targeting Proinsulin in Human Autoimmune Diabetes. Diabetes, 2017, 66, 722-734.	0.3	154
21	Clipping of arginine-methylated histone tails by JMJD5 and JMJD7. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7717-E7726.	3.3	48
22	The somatically generated portion of T cell receptor CDR3Î± contributes to the MHC allele specificity of the T cell receptor. ELife, 2017, 6, .	2.8	25
23	T Cell Production of IFNÎ³ in Response to TLR7/IL-12 Stimulates Optimal B Cell Responses to Viruses. PLoS ONE, 2016, 11, e0166322.	1.1	64
24	Class II major histocompatibility complex mutant mice to study the germ-line bias of T-cell antigen receptors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5608-E5617.	3.3	25
25	Contamination of DNase Preparations Confounds Analysis of the Role of DNA in Alum-Adjuvanted Vaccines. Journal of Immunology, 2016, 197, 1221-1230.	0.4	14
26	Antiviral CD8+ T Cells Restricted by Human Leukocyte Antigen Class II Exist during Natural HIV Infection and Exhibit Clonal Expansion. Immunity, 2016, 45, 917-930.	6.6	59
27	Identification of shared TCR sequences from T cells in human breast cancer using emulsion RT-PCR. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8272-8277.	3.3	56
28	Beryllium-Induced Hypersensitivity: Genetic Susceptibility and Neoantigen Generation. Journal of Immunology, 2016, 196, 22-27.	0.4	48
29	CD11c-Expressing B Cells Are Located at the T Cell/B Cell Border in Spleen and Are Potent APCs. Journal of Immunology, 2015, 195, 71-79.	0.4	179
30	Regulatory vs. inflammatory cytokine T-cell responses to mutated insulin peptides in healthy and type 1 diabetic subjects. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4429-4434.	3.3	62
31	N-terminal additions to the WE14 peptide of chromogranin A create strong autoantigen agonists in type 1 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13318-13323.	3.3	40
32	A Rapid Method to Characterize Mouse IgG Antibodies and Isolate Native Antigen Binding IgG B Cell Hybridomas. PLoS ONE, 2015, 10, e0136613.	1.1	13
33	Regulatory T cells modulate granulomatous inflammation in an HLA-DP2 transgenic murine model of beryllium-induced disease. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8553-8558.	3.3	34
34	Tolerance induction in memory CD4 T cells requires two rounds of antigen-specific activation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7735-7740.	3.3	16
35	Identification of Multiple Public TCR Repertoires in Chronic Beryllium Disease. Journal of Immunology, 2014, 192, 4571-4580.	0.4	22
36	Autoreactive T cells specific for insulin B:11-23 recognize a low-affinity peptide register in human subjects with autoimmune diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14840-14845.	3.3	112

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37	Structural Basis of Chronic Beryllium Disease: Linking Allergic Hypersensitivity and Autoimmunity. Cell, 2014, 158, 132-142.	13.5	101
38	Detection of T cell responses to a ubiquitous cellular protein in autoimmune disease. Science, 2014, 346, 363-368.	6.0	86
39	Improving Antigenic Peptide Vaccines for Cancer Immunotherapy Using a Dominant Tumor-specific T Cell Receptor. Journal of Biological Chemistry, 2013, 288, 33213-33225.	1.6	21
40	Identification of beryllium-dependent peptides recognized by CD4+ T cells in chronic beryllium disease. Journal of Experimental Medicine, 2013, 210, 1403-1418.	4.2	57
41	T-cell receptor (TCR) interaction with peptides that mimic nickel offers insight into nickel contact allergy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18517-18522.	3.3	43
42	Do MHCII-Presented Neoantigens Drive Type 1 Diabetes and Other Autoimmune Diseases?. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a007765-a007765.	2.9	43
43	TCR hypervariable regions expressed by T cells that respond to effective tumor vaccines. Cancer Immunology, Immunotherapy, 2012, 61, 1627-1638.	2.0	16
44	T cells and their eonsâ€old obsession with <scp>MHC</scp>. Immunological Reviews, 2012, 250, 49-60.	2.8	58
45	Specificity and detection of insulin-reactive CD4⁺T cells in type 1 diabetes in the nonobese diabetic (NOD) mouse. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16729-16734.	3.3	128
46	A Single T Cell Receptor Bound to Major Histocompatibility Complex Class I and Class II Glycoproteins Reveals Switchable TCR Conformers. Immunity, 2011, 35, 23-33.	6.6	80
47	Mutagenesis of Beryllium-Specific TCRs Suggests an Unusual Binding Topology for Antigen Recognition. Journal of Immunology, 2011, 187, 3694-3703.	0.4	24
48	Chromogranin A is an autoantigen in type 1 diabetes. Nature Immunology, 2010, 11, 225-231.	7.0	303
49	Peptide vaccines prevent tumor growth by activating T cells that respond to native tumor antigens. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4652-4657.	3.3	54
50	Crystal structure of HLA-DP2 and implications for chronic beryllium disease. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7425-7430.	3.3	103
51	Diabetogenic T cells recognize insulin bound to IA^{g7}in an unexpected, weakly binding register. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10978-10983.	3.3	175
52	Crossreactive T Cells Spotlight the Germline Rules for Î±Î² T Cell-Receptor Interactions with MHC Molecules. Immunity, 2008, 28, 324-334.	6.6	171
53	Evolutionarily Conserved Amino Acids That Control TCR-MHC Interaction. Annual Review of Immunology, 2008, 26, 171-203.	9.5	261
54	Baculovirus-Infected Insect Cells Expressing Peptide-MHC Complexes Elicit Protective Antitumor Immunity. Journal of Immunology, 2008, 180, 188-197.	0.4	27

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55	Gender specific disease propensities of bone marrow cells from New Zealand hybrid mice. FASEB Journal, 2008, 22, 667.18.	0.2	0
56	Evolutionarily conserved cysteines in the stalk region of CD3â€epsilon are critical for T cell development and function. FASEB Journal, 2008, 22, 662.20.	0.2	0
57	Use of baculovirus MHC/peptide display libraries to characterize T-cell receptor ligands. Immunological Reviews, 2006, 210, 156-170.	2.8	65
58	Interface-disrupting amino acids establish specificity between T cell receptors and complexes of major histocompatibility complex and peptide. Nature Immunology, 2006, 7, 1191-1199.	7.0	101
59	Is Tall-1 a trimer or a virus-like cluster?. Nature, 2004, 427, 414-414.	13.7	5
60	Mimotopes for Alloreactive and Conventional T Cells in a Peptideâ€“MHC Display Library. PLoS Biology, 2004, 2, e90.	2.6	64
61	TCR-Induced Transmembrane Signaling by Peptide/MHC Class II Via Associated Ig-alpha /beta Dimers. Science, 2001, 291, 1537-1540.	6.0	103
62	Immunological adjuvants promote activated T cell survival via induction of Bcl-3. Nature Immunology, 2001, 2, 397-402.	7.0	209
63	Autoimmune disease: why and where it occurs. Nature Medicine, 2001, 7, 899-905.	15.2	500
64	Production and Characterization of T Cell Hybridomas. , 2000, 134, 185-193.		19
65	Homeostasis of Î±Î² TCR+ T cells. Nature Immunology, 2000, 1, 107-111.	7.0	239
66	Control of Homeostasis of CD8+ Memory T Cells by Opposing Cytokines. Science, 2000, 288, 675-678.	6.0	776
67	T-cell survival. Immunological Reviews, 1998, 165, 279-285.	2.8	63
68	Detection of Antigen-Specific T Cells with Multivalent Soluble Class II MHC Covalent Peptide Complexes. Immunity, 1998, 8, 675-682.	6.6	440
69	Selection of Antigen-specific T Cells by a Single IEk Peptide Combination. Journal of Experimental Medicine, 1997, 186, 1441-1450.	4.2	50
70	CD8+ T-cell clones in old mice. Immunological Reviews, 1997, 160, 139-144.	2.8	54
71	Production of soluble MHC class II proteins with covalently bound single peptides. Nature, 1994, 369, 151-154.	13.7	292
72	Death and T Cells. Immunological Reviews, 1993, 133, 119-129.	2.8	43

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73	Positive Selection of TcRalphabeta Thymocytes: Is Cortical Thymic Epithelium an Obligatory Participant in the Presentation of Major Histocompatibility Complex Protein?. Immunological Reviews, 1993, 135, 133-155.	2.8	49
74	A cell line that can induce thymocyte positive selection. Nature, 1992, 360, 679-682.	13.7	87
75	A superantigen encoded in the open reading frame of the 3â€² long terminal repeat of mouse mammary tumour virus. Nature, 1991, 350, 203-207.	13.7	404
76	Tolerance to Self Antigens Shapes the T-Cell Repertoire. Immunological Reviews, 1989, 107, 125-140.	2.8	58
77	Presentation of antigen, foreign major histocompatibility complex proteins and self by thymus cortical epithelium. Nature, 1989, 338, 503-505.	13.7	78
78	T cell tolerance by clonal elimination in the thymus. Cell, 1987, 49, 273-280.	13.5	2,161
79	Primary structure of human T-cell receptor Î±-chain. Nature, 1984, 312, 771-775.	13.7	257