

Kenneth G C Smith

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.

98
papers

8,265
citations

48
h-index

90
g-index

107
ext. papers

11,187
ext. citations

15.7
avg, IF

5.82
L-index

#	Paper	IF	Citations
98	SARS-CoV-2 evolution during treatment of chronic infection. <i>Nature</i> , 2021 , 592, 277-282	50.4	390
97	Sensitivity of SARS-CoV-2 B.1.1.7 to mRNA vaccine-elicited antibodies. <i>Nature</i> , 2021 , 593, 136-141	50.4	376
96	T-cell exhaustion, co-stimulation and clinical outcome in autoimmunity and infection. <i>Nature</i> , 2015 , 523, 612-6	50.4	360
95	FcγRIIB in autoimmunity and infection: evolutionary and therapeutic implications. <i>Nature Reviews Immunology</i> , 2010 , 10, 328-43	36.5	353
94	The extent of affinity maturation differs between the memory and antibody-forming cell compartments in the primary immune response. <i>EMBO Journal</i> , 1997 , 16, 2996-3006	13	331
93	Long-term comparison of rituximab treatment for refractory systemic lupus erythematosus and vasculitis: Remission, relapse, and re-treatment. <i>Arthritis and Rheumatism</i> , 2006 , 54, 2970-82		315
92	Screening of healthcare workers for SARS-CoV-2 highlights the role of asymptomatic carriage in COVID-19 transmission. <i>ELife</i> , 2020 , 9,	8.9	302
91	Soluble antigen can cause enhanced apoptosis of germinal-centre B cells. <i>Nature</i> , 1995 , 375, 331-4	50.4	283
90	A CD8+ T cell transcription signature predicts prognosis in autoimmune disease. <i>Nature Medicine</i> , 2010 , 16, 586-91, 1p following 591	50.5	258
89	Loss of function of a lupus-associated FcγRIIb polymorphism through exclusion from lipid rafts. <i>Nature Medicine</i> , 2005 , 11, 1056-8	50.5	258
88	FcγRIIb controls bone marrow plasma cell persistence and apoptosis. <i>Nature Immunology</i> , 2007 , 8, 419-29	19.1	248
87	Inhibition of the B cell by CD22: a requirement for Lyn. <i>Journal of Experimental Medicine</i> , 1998 , 187, 807-16.6		223
86	Autoimmune-prone mice share a promoter haplotype associated with reduced expression and function of the Fc receptor FcγRII. <i>Current Biology</i> , 2000 , 10, 227-30	6.3	207
85	Gene expression profiling of CD8+ T cells predicts prognosis in patients with Crohn disease and ulcerative colitis. <i>Journal of Clinical Investigation</i> , 2011 , 121, 4170-9	15.9	192
84	A type I interferon transcriptional signature precedes autoimmunity in children genetically at risk for type 1 diabetes. <i>Diabetes</i> , 2014 , 63, 2538-50	0.9	188
83	Genome-wide association study identifies distinct genetic contributions to prognosis and susceptibility in Crohn's disease. <i>Nature Genetics</i> , 2017 , 49, 262-268	36.3	182
82	Human SNP links differential outcomes in inflammatory and infectious disease to a FOXO3-regulated pathway. <i>Cell</i> , 2013 , 155, 57-69	56.2	168

81	Age-related immune response heterogeneity to SARS-CoV-2 vaccine BNT162b2. <i>Nature</i> , 2021 , 596, 417-424	52.4	163
80	Suppression of the humoral immune response by mycophenolate mofetil. <i>Nephrology Dialysis Transplantation</i> , 1998 , 13, 160-4	4.3	147
79	Distinct cell-specific control of autoimmunity and infection by FcγRIIb. <i>Journal of Experimental Medicine</i> , 2008 , 205, 883-95	16.6	140
78	Whole-genome sequencing of patients with rare diseases in a national health system. <i>Nature</i> , 2020 , 583, 96-102	50.4	139
77	Systemic lupus erythematosus-associated defects in the inhibitory receptor FcγRIIb reduce susceptibility to malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 7169-74	11.5	138
76	A defunctioning polymorphism in FCGR2B is associated with protection against malaria but susceptibility to systemic lupus erythematosus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 7881-5	11.5	135
75	Modules, networks and systems medicine for understanding disease and aiding diagnosis. <i>Genome Medicine</i> , 2014 , 6, 82	14.4	126
74	SIGN-R1 contributes to protection against lethal pneumococcal infection in mice. <i>Journal of Experimental Medicine</i> , 2004 , 200, 1383-93	16.6	122
73	FAS is highly expressed in the germinal center but is not required for regulation of the B-cell response to antigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 11628-32	11.5	118
72	Germline selection shapes human mitochondrial DNA diversity. <i>Science</i> , 2019 , 364,	33.3	105
71	Copy number, linkage disequilibrium and disease association in the FCGR locus. <i>Human Molecular Genetics</i> , 2010 , 19, 3282-94	5.6	103
70	Single-cell multi-omics analysis of the immune response in COVID-19. <i>Nature Medicine</i> , 2021 , 27, 904-916	50.5	101
69	Interleukin 4 reduces expression of inhibitory receptors on B cells and abolishes CD22 and FcγRII-mediated B cell suppression. <i>Journal of Experimental Medicine</i> , 2002 , 195, 1079-85	16.6	100
68	Loss of the interleukin-6 receptor causes immunodeficiency, atopy, and abnormal inflammatory responses. <i>Journal of Experimental Medicine</i> , 2019 , 216, 1986-1998	16.6	96
67	Local renal autoantibody production in lupus nephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2011 , 22, 296-305	12.7	95
66	Altered TMPRSS2 usage by SARS-CoV-2 Omicron impacts tropism and fusogenicity.. <i>Nature</i> , 2022 ,	50.4	95
65	Microarray analysis of human leucocyte subsets: the advantages of positive selection and rapid purification. <i>BMC Genomics</i> , 2007 , 8, 64	4.5	88
64	B cell inhibitory receptors and autoimmunity. <i>Immunology</i> , 2003 , 108, 263-73	7.8	86

63	Novel expression signatures identified by transcriptional analysis of separated leucocyte subsets in systemic lupus erythematosus and vasculitis. <i>Annals of the Rheumatic Diseases</i> , 2010 , 69, 1208-13	2.4	75
62	Long-term follow-up of patients who received repeat-dose rituximab as maintenance therapy for ANCA-associated vasculitis. <i>Rheumatology</i> , 2015 , 54, 1153-60	3.9	72
61	Genome-wide association study of eosinophilic granulomatosis with polyangiitis reveals genomic loci stratified by ANCA status. <i>Nature Communications</i> , 2019 , 10, 5120	17.4	71
60	FcγRIIB, FcγRIIIB, and systemic lupus erythematosus. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1183, 69-88	6.5	71
59	A blood-based prognostic biomarker in IBD. <i>Gut</i> , 2019 , 68, 1386-1395	19.2	69
58	Whole-genome sequencing of a sporadic primary immunodeficiency cohort. <i>Nature</i> , 2020 , 583, 90-95	50.4	69
57	Integrative Modeling of Quantitative Plasma Lipoprotein, Metabolic, and Amino Acid Data Reveals a Multiorgan Pathological Signature of SARS-CoV-2 Infection. <i>Journal of Proteome Research</i> , 2020 , 19, 4442-4454	5.6	67
56	Analysis of the B cell receptor repertoire in six immune-mediated diseases. <i>Nature</i> , 2019 , 574, 122-126	50.4	65
55	Treatment of COVID-19 with remdesivir in the absence of humoral immunity: a case report. <i>Nature Communications</i> , 2020 , 11, 6385	17.4	62
54	Low-affinity Fcγ receptors, autoimmunity and infection. <i>Expert Reviews in Molecular Medicine</i> , 2009 , 11, e24	6.7	55
53	Metabolic exhaustion in infection, cancer and autoimmunity. <i>Nature Immunology</i> , 2018 , 19, 213-221	19.1	53
52	Longitudinal analysis reveals that delayed bystander CD8 ⁺ T cell activation and early immune pathology distinguish severe COVID-19 from mild disease. <i>Immunity</i> , 2021 , 54, 1257-1275.e8	32.3	52
51	T cell exhaustion and immune-mediated disease-the potential for therapeutic exhaustion. <i>Current Opinion in Immunology</i> , 2016 , 43, 74-80	7.8	49
50	Human interleukin-2 receptor mutations associated with defects in immunity and peripheral tolerance. <i>Journal of Experimental Medicine</i> , 2019 , 216, 1311-1327	16.6	41
49	MiR-210 is induced by Oct-2, regulates B cells, and inhibits autoantibody production. <i>Journal of Immunology</i> , 2013 , 191, 3037-3048	5.3	40
48	CrmA expression in T lymphocytes of transgenic mice inhibits CD95 (Fas/APO-1)-transduced apoptosis, but does not cause lymphadenopathy or autoimmune disease. <i>EMBO Journal</i> , 1996 , 15, 5167-76	13	38
47	EROS/CYBC1 mutations: Decreased NADPH oxidase function and chronic granulomatous disease. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 782-785.e1	11.5	38
46	CD22 and autoimmune disease. <i>International Reviews of Immunology</i> , 2012 , 31, 363-78	4.6	36

45	Analysis of a wild mouse promoter variant reveals a novel role for FcRIIb in the control of the germinal center and autoimmunity. <i>Journal of Experimental Medicine</i> , 2012 , 209, 2307-19	16.6	35
44	Antibody repertoire analysis in polygenic autoimmune diseases. <i>Immunology</i> , 2018 , 155, 3-17	7.8	33
43	Eros is a novel transmembrane protein that controls the phagocyte respiratory burst and is essential for innate immunity. <i>Journal of Experimental Medicine</i> , 2017 , 214, 1111-1128	16.6	32
42	Effective control of SARS-CoV-2 transmission between healthcare workers during a period of diminished community prevalence of COVID-19. <i>ELife</i> , 2020 , 9,	8.9	31
41	Receptor modulators of B-cell receptor signalling--CD19/CD22. <i>Current Topics in Microbiology and Immunology</i> , 2000 , 245, 195-212	3.3	27
40	PRedicting Outcomes For Crohn's disease using a moLecular biomarkEr (PROFILE): protocol for a multicentre, randomised, biomarker-stratified trial. <i>BMJ Open</i> , 2018 , 8, e026767	3	27
39	Growth of porcine kidneys in their native and xenograft environment. <i>Xenotransplantation</i> , 2000 , 7, 96-108	10.8	24
38	T-cell exhaustion: understanding the interface of chronic viral and autoinflammatory diseases. <i>Immunology and Cell Biology</i> , 2016 , 94, 935-942	5	21
37	Leucocyte subset-specific type 1 interferon signatures in SLE and other immune-mediated diseases. <i>RMD Open</i> , 2016 , 2, e000183	5.9	20
36	MT-HESS: an efficient Bayesian approach for simultaneous association detection in OMICS datasets, with application to eQTL mapping in multiple tissues. <i>Bioinformatics</i> , 2016 , 32, 523-32	7.2	20
35	Reduced monocyte and macrophage TNFSF15/TL1A expression is associated with susceptibility to inflammatory bowel disease. <i>PLoS Genetics</i> , 2018 , 14, e1007458	6	18
34	Cross-phenotype analysis of ImmunoChip data identifies as a relevant for the development of systemic vasculitis. <i>Annals of the Rheumatic Diseases</i> , 2018 , 77, 589-595	2.4	16
33	NBEAL2 is required for neutrophil and NK cell function and pathogen defense. <i>Journal of Clinical Investigation</i> , 2017 , 127, 3521-3526	15.9	16
32	Dynamic regulation of hypoxia-inducible factor-1 activity is essential for normal B cell development. <i>Nature Immunology</i> , 2020 , 21, 1408-1420	19.1	16
31	Resolving mechanisms of immune-mediated disease in primary CD4 T cells. <i>EMBO Molecular Medicine</i> , 2020 , 12, e12112	12	14
30	Combined Influence of B-Cell Receptor Rearrangement and Somatic Hypermutation on B-Cell Class-Switch Fate in Health and in Chronic Lymphocytic Leukemia. <i>Frontiers in Immunology</i> , 2018 , 9, 1784	8.4	14
29	FcRIIb inhibits immune complex-induced VEGF-A production and intranodal lymphangiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17971-6	11.5	13
28	Apoptosis and resolution of experimental renal infective tubulointerstitial nephritis. <i>Nephrology</i> , 1996 , 2, 127-132	2.2	13

27	B Cell Fcγ Receptor IIb Modulates Atherosclerosis in Male and Female Mice by Controlling Adaptive Germinal Center and Innate B-1-Cell Responses. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1379-1389	9.4	12
26	Pregnancy-related anaemia in a haemodialysis patient treated with erythropoietin. <i>Nephrology Dialysis Transplantation</i> , 1993 , 8, 563-4	4.3	11
25	FcγRIIb differentially regulates pre-immune and germinal center B cell tolerance in mouse and human. <i>Nature Communications</i> , 2019 , 10, 1970	17.4	10
24	Control of Rta expression critically determines transcription of viral and cellular genes following gammaherpesvirus infection. <i>Journal of General Virology</i> , 2007 , 88, 1689-1697	4.9	10
23	Targeted genomic analysis reveals widespread autoimmune disease association with regulatory variants in the TNF superfamily cytokine signalling network. <i>Genome Medicine</i> , 2016 , 8, 76	14.4	10
22	A CD8 NK cell transcriptomic signature associated with clinical outcome in relapsing remitting multiple sclerosis. <i>Nature Communications</i> , 2021 , 12, 635	17.4	8
21	Prognosis in autoimmune and infectious disease: new insights from genetics. <i>Clinical and Translational Immunology</i> , 2014 , 3, e15	6.8	7
20	The Contribution of Transcriptomics to Biomarker Development in Systemic Vasculitis and SLE. <i>Current Pharmaceutical Design</i> , 2015 , 21, 2225-35	3.3	7
19	Homozygous mutation associated with infantile inflammatory bowel disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
18	Randomized trial of enteric-coated mycophenolate sodium versus mycophenolate mofetil in multi-system autoimmune disease. <i>CKJ: Clinical Kidney Journal</i> , 2014 , 7, 562-8	4.5	4
17	Apoptosis and Renal Disease. <i>Sepsis</i> , 1998 , 2, 31-37		4
16	Delayed bystander CD8 T cell activation, early immune pathology and persistent dysregulation characterise severe COVID-19		4
15	Genetic feature engineering enables characterisation of shared risk factors in immune-mediated diseases. <i>Genome Medicine</i> , 2020 , 12, 106	14.4	3
14	Transcriptional networks in at-risk individuals identify signatures of type 1 diabetes progression. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	3
13	The impact of hypoxia on B cells in COVID-19.. <i>EBioMedicine</i> , 2022 , 77, 103878	8.8	3
12	Ultrasensitive amplicon barcoding for next-generation sequencing facilitating sequence error and amplification-bias correction. <i>Scientific Reports</i> , 2020 , 10, 10570	4.9	2
11	Increased red cell turnover in a line of CD22-deficient mice is caused by Gpi1c: a model for hereditary haemolytic anaemia. <i>European Journal of Immunology</i> , 2012 , 42, 3212-22	6.1	2
10	Whole genome sequencing of a sporadic primary immunodeficiency cohort		2

9	Signalling lymphocyte activation molecule family member 9 is found on select subsets of antigen-presenting cells and promotes resistance to Salmonella infection. <i>Immunology</i> , 2020 , 159, 393-403	7.8	2
8	B cell receptor repertoire kinetics after SARS-CoV-2 infection and vaccination.. <i>Cell Reports</i> , 2022 , 110393	10.6	1
7	EROS is required for phagocyte NADPH oxidase function in humans and its deficiency causes Chronic Granulomatous Disease		1
6	c-Rel employs multiple mechanisms to promote the thymic development and peripheral function of regulatory T cells in mice. <i>European Journal of Immunology</i> , 2021 , 51, 2006-2026	6.1	1
5	One Gene, Many Facets: Multiple Immune Pathway Dysregulation in SOCS1 Haploinsufficiency. <i>Frontiers in Immunology</i> , 2021 , 12, 680334	8.4	1
4	The role of a functional variant of TYK2 in vasculitides and infections. <i>Clinical and Experimental Rheumatology</i> , 2020 , 38, 949-955	2.2	1
3	Coagulation Factor V is a T cell inhibitor expressed by leukocytes in COVID-19.. <i>IScience</i> , 2022 , 103971	6.1	1
2	Leupaxin Expression Is Dispensable for B Cell Immune Responses. <i>Frontiers in Immunology</i> , 2020 , 11, 466	8.4	0
1	The potential for elderly donors to increase renal transplantation rates in Australia. <i>Medical Journal of Australia</i> , 1993 , 158, 588-90		4