Kenneth G C Smith

List of Publications by Year in Descending Order

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	B cell receptor repertoire kinetics after SARS-CoV-2 infection and vaccination.. *Cell Reports*, **2022**, 110393	10.6	1
97	Altered TMPRSS2 usage by SARS-CoV-2 Omicron impacts tropism and fusogenicity.. *Nature*, **2022**,	50.4	95
96	Coagulation Factor V is a T cell inhibitor expressed by leukocytes in COVID-19.. *IScience*, **2022**, 103971	6.1	1
95	The impact of hypoxia on B cells in COVID-19.. *EBioMedicine*, **2022**, 77, 103878	8.8	3
94	Homozygous mutation associated with infantile inflammatory bowel disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	6
93	Sensitivity of SARS-CoV-2 B.1.1.7 to mRNA vaccine-elicited antibodies. *Nature*, **2021**, 593, 136-141	50.4	376
92	Transcriptional networks in at-risk individuals identify signatures of type 1 diabetes progression. *Science Translational Medicine*, **2021**, 13,	17.5	3
91	Single-cell multi-omics analysis of the immune response in COVID-19. *Nature Medicine*, **2021**, 27, 904-916	50.5	101
90	c-Rel employs multiple mechanisms to promote the thymic development and peripheral function of regulatory T cells in mice. *European Journal of Immunology*, **2021**, 51, 2006-2026	6.1	1
89	Age-related immune response heterogeneity to SARS-CoV-2 vaccine BNT162b2. *Nature*, **2021**, 596, 417-422	50.4	163
88	Longitudinal analysis reveals that delayed bystander CD8+ T cell activation and early immune pathology distinguish severe COVID-19 from mild disease. *Immunity*, **2021**, 54, 1257-1275.e8	32.3	52
87	A CD8 NK cell transcriptomic signature associated with clinical outcome in relapsing remitting multiple sclerosis. *Nature Communications*, **2021**, 12, 635	17.4	8
86	SARS-CoV-2 evolution during treatment of chronic infection. *Nature*, **2021**, 592, 277-282	50.4	390
85	One Gene, Many Facets: Multiple Immune Pathway Dysregulation in SOCS1 Haploinsufficiency. *Frontiers in Immunology*, **2021**, 12, 680334	8.4	1
84	Treatment of COVID-19 with remdesivir in the absence of humoral immunity: a case report. *Nature Communications*, **2020**, 11, 6385	17.4	62
83	Whole-genome sequencing of a sporadic primary immunodeficiency cohort. *Nature*, **2020**, 583, 90-95	50.4	69
82	Whole-genome sequencing of patients with rare diseases in a national health system. *Nature*, **2020**, 583, 96-102	50.4	139

81	Ultrasensitive amplicon barcoding for next-generation sequencing facilitating sequence error and amplification-bias correction. *Scientific Reports*, **2020**, 10, 10570	4.9	2
80	Resolving mechanisms of immune-mediated disease in primary CD4 T cells. *EMBO Molecular Medicine*, **2020**, 12, e12112	12	14
79	Screening of healthcare workers for SARS-CoV-2 highlights the role of asymptomatic carriage in COVID-19 transmission. *ELife*, **2020**, 9,	8.9	302
78	Effective control of SARS-CoV-2 transmission between healthcare workers during a period of diminished community prevalence of COVID-19. *ELife*, **2020**, 9,	8.9	31
77	Signalling lymphocyte activation molecule family member 9 is found on select subsets of antigen-presenting cells and promotes resistance to Salmonella infection. *Immunology*, **2020**, 159, 393-403	7.8	2
76	Genetic feature engineering enables characterisation of shared risk factors in immune-mediated diseases. *Genome Medicine*, **2020**, 12, 106	14.4	3
75	Dynamic regulation of hypoxia-inducible factor-1 activity is essential for normal B cell development. *Nature Immunology*, **2020**, 21, 1408-1420	19.1	16
74	Integrative Modeling of Quantitative Plasma Lipoprotein, Metabolic, and Amino Acid Data Reveals a Multiorgan Pathological Signature of SARS-CoV-2 Infection. *Journal of Proteome Research*, **2020**, 19, 4442-4454	5.6	67
73	Leupaxin Expression Is Dispensable for B Cell Immune Responses. *Frontiers in Immunology*, **2020**, 11, 466	8.4	0
72	The role of a functional variant of TYK2 in vasculitides and infections. *Clinical and Experimental Rheumatology*, **2020**, 38, 949-955	2.2	1
71	Loss of the interleukin-6 receptor causes immunodeficiency, atopy, and abnormal inflammatory responses. *Journal of Experimental Medicine*, **2019**, 216, 1986-1998	16.6	96
70	Germline selection shapes human mitochondrial DNA diversity. *Science*, **2019**, 364,	33.3	105
69	B Cell Fc Receptor IIb Modulates Atherosclerosis in Male and Female Mice by Controlling Adaptive Germinal Center and Innate B-1-Cell Responses. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 1379-1389	9.4	12
68	FcRIIb differentially regulates pre-immune and germinal center B cell tolerance in mouse and human. *Nature Communications*, **2019**, 10, 1970	17.4	10
67	Human interleukin-2 receptor mutations associated with defects in immunity and peripheral tolerance. *Journal of Experimental Medicine*, **2019**, 216, 1311-1327	16.6	41
66	A blood-based prognostic biomarker in IBD. *Gut*, **2019**, 68, 1386-1395	19.2	69
65	Genome-wide association study of eosinophilic granulomatosis with polyangiitis reveals genomic loci stratified by ANCA status. *Nature Communications*, **2019**, 10, 5120	17.4	71
64	Analysis of the B cell receptor repertoire in six immune-mediated diseases. *Nature*, **2019**, 574, 122-126	50.4	65

63	EROS/CYBC1 mutations: Decreased NADPH oxidase function and chronic granulomatous disease. *Journal of Allergy and Clinical Immunology*, **2019**, 143, 782-785.e1	11.5	38
62	Antibody repertoire analysis in polygenic autoimmune diseases. *Immunology*, **2018**, 155, 3-17	7.8	33
61	Metabolic exhaustion in infection, cancer and autoimmunity. *Nature Immunology*, **2018**, 19, 213-221	19.1	53
60	Cross-phenotype analysis of Immunochip data identifies as a relevant for the development of systemic vasculitis. *Annals of the Rheumatic Diseases*, **2018**, 77, 589-595	2.4	16
59	PRedicting Outcomes For Crohn's dIsease using a moLecular biomarkEr (PROFILE): protocol for a multicentre, randomised, biomarker-stratified trial. *BMJ Open*, **2018**, 8, e026767	3	27
58	Reduced monocyte and macrophage TNFSF15/TL1A expression is associated with susceptibility to inflammatory bowel disease. *PLoS Genetics*, **2018**, 14, e1007458	6	18
57	Combined Influence of B-Cell Receptor Rearrangement and Somatic Hypermutation on B-Cell Class-Switch Fate in Health and in Chronic Lymphocytic Leukemia. *Frontiers in Immunology*, **2018**, 9, 1784	8.4	14
56	Genome-wide association study identifies distinct genetic contributions to prognosis and susceptibility in Crohn's disease. *Nature Genetics*, **2017**, 49, 262-268	36.3	182
55	Eros is a novel transmembrane protein that controls the phagocyte respiratory burst and is essential for innate immunity. *Journal of Experimental Medicine*, **2017**, 214, 1111-1128	16.6	32
54	NBEAL2 is required for neutrophil and NK cell function and pathogen defense. *Journal of Clinical Investigation*, **2017**, 127, 3521-3526	15.9	16
53	T-cell exhaustion: understanding the interface of chronic viral and autoinflammatory diseases. *Immunology and Cell Biology*, **2016**, 94, 935-942	5	21
52	Leucocyte subset-specific type 1 interferon signatures in SLE and other immune-mediated diseases. *RMD Open*, **2016**, 2, e000183	5.9	20
51	MT-HESS: an efficient Bayesian approach for simultaneous association detection in OMICS datasets, with application to eQTL mapping in multiple tissues. *Bioinformatics*, **2016**, 32, 523-32	7.2	20
50	Targeted genomic analysis reveals widespread autoimmune disease association with regulatory variants in the TNF superfamily cytokine signalling network. *Genome Medicine*, **2016**, 8, 76	14.4	10
49	T cell exhaustion and immune-mediated disease-the potential for therapeutic exhaustion. *Current Opinion in Immunology*, **2016**, 43, 74-80	7.8	49
48	T-cell exhaustion, co-stimulation and clinical outcome in autoimmunity and infection. *Nature*, **2015**, 523, 612-6	50.4	360
47	Long-term follow-up of patients who received repeat-dose rituximab as maintenance therapy for ANCA-associated vasculitis. *Rheumatology*, **2015**, 54, 1153-60	3.9	72
46	The Contribution of Transcriptomics to Biomarker Development in Systemic Vasculitis and SLE. *Current Pharmaceutical Design*, **2015**, 21, 2225-35	3.3	7

45	A type I interferon transcriptional signature precedes autoimmunity in children genetically at risk for type 1 diabetes. *Diabetes*, **2014**, 63, 2538-50	0.9	188
44	Modules, networks and systems medicine for understanding disease and aiding diagnosis. *Genome Medicine*, **2014**, 6, 82	14.4	126
43	Prognosis in autoimmune and infectious disease: new insights from genetics. *Clinical and Translational Immunology*, **2014**, 3, e15	6.8	7
42	FcRIIb inhibits immune complex-induced VEGF-A production and intranodal lymphangiogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17971-6	11.5	13
41	Randomized trial of enteric-coated mycophenolate sodium versus mycophenolate mofetil in multi-system autoimmune disease. *CKJ: Clinical Kidney Journal*, **2014**, 7, 562-8	4.5	4
40	Human SNP links differential outcomes in inflammatory and infectious disease to a FOXO3-regulated pathway. *Cell*, **2013**, 155, 57-69	56.2	168
39	MiR-210 is induced by Oct-2, regulates B cells, and inhibits autoantibody production. *Journal of Immunology*, **2013**, 191, 3037-3048	5.3	40
38	CD22 and autoimmune disease. *International Reviews of Immunology*, **2012**, 31, 363-78	4.6	36
37	Increased red cell turnover in a line of CD22-deficient mice is caused by Gpi1c: a model for hereditary haemolytic anaemia. *European Journal of Immunology*, **2012**, 42, 3212-22	6.1	2
36	Analysis of a wild mouse promoter variant reveals a novel role for FcRIIb in the control of the germinal center and autoimmunity. *Journal of Experimental Medicine*, **2012**, 209, 2307-19	16.6	35
35	Gene expression profiling of CD8+ T cells predicts prognosis in patients with Crohn disease and ulcerative colitis. *Journal of Clinical Investigation*, **2011**, 121, 4170-9	15.9	192
34	Local renal autoantibody production in lupus nephritis. *Journal of the American Society of Nephrology: JASN*, **2011**, 22, 296-305	12.7	95
33	FcgammaRIIB in autoimmunity and infection: evolutionary and therapeutic implications. *Nature Reviews Immunology*, **2010**, 10, 328-43	36.5	353
32	FcgammaRIIB, FcgammaRIIIB, and systemic lupus erythematosus. *Annals of the New York Academy of Sciences*, **2010**, 1183, 69-88	6.5	71
31	Copy number, linkage disequilibrium and disease association in the FCGR locus. *Human Molecular Genetics*, **2010**, 19, 3282-94	5.6	103
30	A defunctioning polymorphism in FCGR2B is associated with protection against malaria but susceptibility to systemic lupus erythematosus. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 7881-5	11.5	135
29	Novel expression signatures identified by transcriptional analysis of separated leucocyte subsets in systemic lupus erythematosus and vasculitis. *Annals of the Rheumatic Diseases*, **2010**, 69, 1208-13	2.4	75
28	A CD8+ T cell transcription signature predicts prognosis in autoimmune disease. *Nature Medicine*, **2010**, 16, 586-91, 1p following 591	50.5	258

27	Low-affinity Fcgamma receptors, autoimmunity and infection. *Expert Reviews in Molecular Medicine*, **2009**, 11, e24	6.7	55
26	Distinct cell-specific control of autoimmunity and infection by FcgammaRIIb. *Journal of Experimental Medicine*, **2008**, 205, 883-95	16.6	140
25	FcgammaRIIb controls bone marrow plasma cell persistence and apoptosis. *Nature Immunology*, **2007**, 8, 419-29	19.1	248
24	Microarray analysis of human leucocyte subsets: the advantages of positive selection and rapid purification. *BMC Genomics*, **2007**, 8, 64	4.5	88
23	Systemic lupus erythematosus-associated defects in the inhibitory receptor FcgammaRIIb reduce susceptibility to malaria. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 7169-74	11.5	138
22	Control of Rta expression critically determines transcription of viral and cellular genes following gammaherpesvirus infection. *Journal of General Virology*, **2007**, 88, 1689-1697	4.9	10
21	Long-term comparison of rituximab treatment for refractory systemic lupus erythematosus and vasculitis: Remission, relapse, and re-treatment. *Arthritis and Rheumatism*, **2006**, 54, 2970-82		315
20	Loss of function of a lupus-associated FcgammaRIIb polymorphism through exclusion from lipid rafts. *Nature Medicine*, **2005**, 11, 1056-8	50.5	258
19	SIGN-R1 contributes to protection against lethal pneumococcal infection in mice. *Journal of Experimental Medicine*, **2004**, 200, 1383-93	16.6	122
18	B cell inhibitory receptors and autoimmunity. *Immunology*, **2003**, 108, 263-73	7.8	86
17	Interleukin 4 reduces expression of inhibitory receptors on B cells and abolishes CD22 and Fc gamma RII-mediated B cell suppression. *Journal of Experimental Medicine*, **2002**, 195, 1079-85	16.6	100
16	Growth of porcine kidneys in their native and xenograft environment. *Xenotransplantation*, **2000**, 7, 96-108	2.8	24
15	Autoimmune-prone mice share a promoter haplotype associated with reduced expression and function of the Fc receptor FcgammaRII. *Current Biology*, **2000**, 10, 227-30	6.3	207
14	Receptor modulators of B-cell receptor signalling--CD19/CD22. *Current Topics in Microbiology and Immunology*, **2000**, 245, 195-212	3.3	27
13	Apoptosis and Renal Disease. *Sepsis*, **1998**, 2, 31-37		4
12	Inhibition of the B cell by CD22: a requirement for Lyn. *Journal of Experimental Medicine*, **1998**, 187, 807-11	16.6	223
11	Suppression of the humoral immune response by mycophenolate mofetil. *Nephrology Dialysis Transplantation*, **1998**, 13, 160-4	4.3	147
10	The extent of affinity maturation differs between the memory and antibody-forming cell compartments in the primary immune response. *EMBO Journal*, **1997**, 16, 2996-3006	13	331

9	Apoptosis and resolution of experimental renal infective tubulointerstitial nephritis. *Nephrology*, **1996**, 2, 127-132	2.2	13
8	CrmA expression in T lymphocytes of transgenic mice inhibits CD95 (Fas/APO-1)-transduced apoptosis, but does not cause lymphadenopathy or autoimmune disease. *EMBO Journal*, **1996**, 15, 5167-76	13	38
7	Soluble antigen can cause enhanced apoptosis of germinal-centre B cells. *Nature*, **1995**, 375, 331-4	50.4	283
6	FAS is highly expressed in the germinal center but is not required for regulation of the B-cell response to antigen. *Proceedings of the National Academy of Sciences of the United States of America* , **1995**, 92, 11628-32	11.5	118
5	Pregnancy-related anaemia in a haemodialysis patient treated with erythropoietin. *Nephrology Dialysis Transplantation*, **1993**, 8, 563-4	4.3	11
4	The potential for elderly donors to increase renal transplantation rates in Australia. *Medical Journal of Australia*, **1993**, 158, 588-90	4	
3	EROS is required for phagocyte NADPH oxidase function in humans and its deficiency causes Chronic Granulomatous Disease		1
2	Whole genome sequencing of a sporadic primary immunodeficiency cohort		2
1	Delayed bystander CD8 T cell activation, early immune pathology and persistent dysregulation characterise severe COVID-19		4