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List of Publications by Year
in descending order

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98 papers	13,129 citations	38660 50 h-index	34900 98 g-index

107 all docs	107 docs citations	107 times ranked	21548 citing authors

#	Article	IF	Citations
1	SARS-CoV-2 evolution during treatment of chronic infection. Nature, 2021, 592, 277-282.	13.7	802
2	Altered TMPRSS2 usage by SARS-CoV-2 Omicron impacts infectivity and fusogenicity. Nature, 2022, 603, 706-714.	13.7	756
3	Sensitivity of SARS-CoV-2 B.1.1.7 to mRNA vaccine-elicited antibodies. Nature, 2021, 593, 136-141.	13.7	648
4	Age-related immune response heterogeneity to SARS-CoV-2 vaccine BNT162b2. Nature, 2021, 596, 417-422.	13.7	549
5	T-cell exhaustion, co-stimulation and clinical outcome in autoimmunity and infection. Nature, 2015, 523, 612-616.	13.7	535
6	Single-cell multi-omics analysis of the immune response in COVID-19. Nature Medicine, 2021, 27, 904-916.	15.2	452
7	Fcî³RIIB in autoimmunity and infection: evolutionary and therapeutic implications. Nature Reviews Immunology, 2010, 10, 328-343.	10.6	449
8	Screening of healthcare workers for SARS-CoV-2 highlights the role of asymptomatic carriage in COVID-19 transmission. ELife, 2020, 9, .	2.8	423
9	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.	3.5	381
10	Long-term comparison of rituximab treatment for refractory systemic lupus erythematosus and vasculitis: Remission, relapse, and re-treatment. Arthritis and Rheumatism, 2006, 54, 2970-2982.	6.7	377
11	Whole-genome sequencing of patients with rare diseases in a national health system. Nature, 2020, 583, 96-102.	13.7	338
12	A CD8+ T cell transcription signature predicts prognosis in autoimmune disease. Nature Medicine, 2010, 16, 586-591.	15.2	321
13	Soluble antigen can cause enhanced apoptosis of germinal-centre B cells. Nature, 1995, 375, 331-334.	13.7	302
14	Loss of function of a lupus-associated Fcî³RIIb polymorphism through exclusion from lipid rafts. Nature Medicine, 2005, 11, 1056-1058.	15.2	301
15	Fcî³RIIb controls bone marrow plasma cell persistence and apoptosis. Nature Immunology, 2007, 8, 419-429.	7.0	274
16	Gene expression profiling of CD8+ T cells predicts prognosis in patients with Crohn disease and ulcerative colitis. Journal of Clinical Investigation, 2011, 121, 4170-4179.	3.9	268
17	A Type I Interferon Transcriptional Signature Precedes Autoimmunity in Children Genetically at Risk for Type 1 Diabetes. Diabetes, 2014, 63, 2538-2550.	0.3	261
18	Genome-wide association study identifies distinct genetic contributions to prognosis and susceptibility in Crohn's disease. Nature Genetics, 2017, 49, 262-268.	9.4	250

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19	Inhibition of the B Cell by CD22: A Requirement for Lyn. Journal of Experimental Medicine, 1998, 187, 807-811.	4.2	245
20	Longitudinal analysis reveals that delayed bystander CD8+ TÂcell activation and early immune pathology distinguish severe COVID-19 from mild disease. Immunity, 2021, 54, 1257-1275.e8.	6.6	230
21	Autoimmune-prone mice share a promoter haplotype associated with reduced expression and function of the Fc receptor FcÎ³RII. Current Biology, 2000, 10, 227-230.	1.8	222
22	Human SNP Links Differential Outcomes in Inflammatory and Infectious Disease to a FOXO3-Regulated Pathway. Cell, 2013, 155, 57-69.	13.5	200
23	Germline selection shapes human mitochondrial DNA diversity. Science, 2019, 364, .	6.0	178
24	Analysis of the B cell receptor repertoire in six immune-mediated diseases. Nature, 2019, 574, 122-126.	13.7	178
25	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, 7881-7885.	3.3	172
26	Suppression of the humoral immune response by mycophenolate mofetil. Nephrology Dialysis Transplantation, 1998, 13, 160-164.	0.4	169
27	Modules, networks and systems medicine for understanding disease and aiding diagnosis. Genome Medicine, 2014, 6, 82.	3.6	169
28	Distinct cell-specific control of autoimmunity and infection by FcÎ³RIIb. Journal of Experimental Medicine, 2008, 205, 883-895.	4.2	168
29	Systemic lupus erythematosus-associated defects in the inhibitory receptor FcÂRIIb reduce susceptibility to malaria. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7169-7174.	3.3	161
30	Genome-wide association study of eosinophilic granulomatosis with polyangiitis reveals genomic loci stratified by ANCA status. Nature Communications, 2019, 10, 5120.	5.8	160
31	Loss of the interleukin-6 receptor causes immunodeficiency, atopy, and abnormal inflammatory responses. Journal of Experimental Medicine, 2019, 216, 1986-1998.	4.2	153
32	Whole-genome sequencing of a sporadic primary immunodeficiency cohort. Nature, 2020, 583, 90-95.	13.7	148
33	SIGN-R1 Contributes to Protection against Lethal Pneumococcal Infection in Mice. Journal of Experimental Medicine, 2004, 200, 1383-1393.	4.2	144
34	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.	1.8	142
35	A blood-based prognostic biomarker in IBD. Gut, 2019, 68, 1386-1395.	6.1	132
36	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, 11628-11632.	3.3	125

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37	Local Renal Autoantibody Production in Lupus Nephritis. Journal of the American Society of Nephrology: JASN, 2011, 22, 296-305.	3.0	125
38	Copy number, linkage disequilibrium and disease association in the FCGR locus. Human Molecular Genetics, 2010, 19, 3282-3294.	1.4	119
39	Long-term follow-up of patients who received repeat-dose rituximab as maintenance therapy for ANCA-associated vasculitis. Rheumatology, 2015, 54, 1153-1160.	0.9	108
40	Interleukin 4 Reduces Expression of Inhibitory Receptors on B Cells and Abolishes CD22 and FcÎ³RII-mediated B Cell Suppression. Journal of Experimental Medicine, 2002, 195, 1079-1085.	4.2	105
41	Treatment of COVID-19 with remdesivir in the absence of humoral immunity: a case report. Nature Communications, 2020, 11, 6385.	5.8	103
42	Novel expression signatures identified by transcriptional analysis of separated leucocyte subsets in systemic lupus erythematosus and vasculitis. Annals of the Rheumatic Diseases, 2010, 69, 1208-1213.	0.5	100
43	B cell inhibitory receptors and autoimmunity. Immunology, 2003, 108, 263-273.	2.0	93
44	Microarray analysis of human leucocyte subsets: the advantages of positive selection and rapid purification. BMC Genomics, 2007, 8, 64.	1.2	93
45	FcÎ³RIIB, FcÎ³RIIIB, and systemic lupus erythematosus. Annals of the New York Academy of Sciences, 2010, 1183, 69-88.	1.8	85
46	Metabolic exhaustion in infection, cancer and autoimmunity. Nature Immunology, 2018, 19, 213-221.	7.0	84
47	T cell exhaustion and immune-mediated diseaseâ€"the potential for therapeutic exhaustion. Current Opinion in Immunology, 2016, 43, 74-80.	2.4	66
48	Low-affinity FcÎ³ receptors, autoimmunity and infection. Expert Reviews in Molecular Medicine, 2009, 11, e24.	1.6	65
49	Human interleukin-2 receptor Î² mutations associated with defects in immunity and peripheral tolerance. Journal of Experimental Medicine, 2019, 216, 1311-1327.	4.2	62
50	Antibody repertoire analysis in polygenic autoimmune diseases. Immunology, 2018, 155, 3-17.	2.0	60
51	EROS/CYBC1 mutations: Decreased NADPH oxidase function and chronic granulomatous disease. Journal of Allergy and Clinical Immunology, 2019, 143, 782-785.e1.	1.5	59
52	PRedicting Outcomes For Crohnâ€™s dIsease using a moLecular biomarkEr (PROFILE): protocol for a multicentre, randomised, biomarker-stratified trial. BMJ Open, 2018, 8, e026767.	0.8	55
53	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.	4.2	50
54	MiR-210 Is Induced by Oct-2, Regulates B Cells, and Inhibits Autoantibody Production. Journal of Immunology, 2013, 191, 3037-3048.	0.4	48

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55	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.	3.5	48
56	Analysis of a wild mouse promoter variant reveals a novel role for FcÎ³RIIb in the control of the germinal center and autoimmunity. Journal of Experimental Medicine, 2012, 209, 2307-2319.	4.2	43
57	CD22 and Autoimmune Disease. International Reviews of Immunology, 2012, 31, 363-378.	1.5	43
58	Dynamic regulation of hypoxia-inducible factor-1Î± activity is essential for normal B cell development. Nature Immunology, 2020, 21, 1408-1420.	7.0	40
59	Effective control of SARS-CoV-2 transmission between healthcare workers during a period of diminished community prevalence of COVID-19. ELife, 2020, 9, .	2.8	40
60	Growth of porcine kidneys in their native and xenograft environment. Xenotransplantation, 2000, 7, 96-100.	1.6	34
61	A CD8+ NK cell transcriptomic signature associated with clinical outcome in relapsing remitting multiple sclerosis. Nature Communications, 2021, 12, 635.	5.8	33
62	Receptor Modulators of B-Cell Receptor Signalling â€" CD19/CD22. Current Topics in Microbiology and Immunology, 2000, 245, 195-212.	0.7	31
63	Reduced monocyte and macrophage TNFSF15/TL1A expression is associated with susceptibility to inflammatory bowel disease. PLoS Genetics, 2018, 14, e1007458.	1.5	30
64	Resolving mechanisms of immuneâ€mediated disease in primary <scp>CD</scp> 4 T cells. EMBO Molecular Medicine, 2020, 12, e12112.	3.3	30
65	Tâ€cell exhaustion: understanding the interface of chronic viral and autoinflammatory diseases. Immunology and Cell Biology, 2016, 94, 935-942.	1.0	29
66	B cell receptor repertoire kinetics after SARS-CoV-2 infection and vaccination. Cell Reports, 2022, 38, 110393.	2.9	29
67	Cross-phenotype analysis of Immunochip data identifies KDM4C as a relevant locus for the development of systemic vasculitis. Annals of the Rheumatic Diseases, 2018, 77, 589-595.	0.5	27
68	MT-HESS: an efficient Bayesian approach for simultaneous association detection in OMICS datasets, with application to eQTL mapping in multiple tissues. Bioinformatics, 2016, 32, 523-532.	1.8	25
69	NBEAL2 is required for neutrophil and NK cell function and pathogen defense. Journal of Clinical Investigation, 2017, 127, 3521-3526.	3.9	25
70	Leucocyte subset-specific type 1 interferon signatures in SLE and other immune-mediated diseases. RMD Open, 2016, 2, e000183.	1.8	24
71	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.	2.2	22
72	Transcriptional networks in at-risk individuals identify signatures of type 1 diabetes progression. Science Translational Medicine, 2021, 13, .	5.8	22

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73	Evidence of previous SARS-CoV-2 infection in seronegative patients with long COVID. EBioMedicine, 2022, 81, 104129.	2.7	21
74	FcÎ³RIIb 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, 17971-17976.	3.3	20
75	FcÎ³RIIb differentially regulates pre-immune and germinal center B cell tolerance in mouse and human. Nature Communications, 2019, 10, 1970.	5.8	20
76	Targeted genomic analysis reveals widespread autoimmune disease association with regulatory variants in the TNF superfamily cytokine signalling network. Genome Medicine, 2016, 8, 76.	3.6	17
77	B Cell FcÎ³ 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.	1.1	17
78	Homozygous IL37 mutation associated with infantile inflammatory bowel disease. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	17
79	The impact of hypoxia on B cells in COVID-19. EBioMedicine, 2022, 77, 103878.	2.7	15
80	Pregnancy-related anaemia in a haemodialysis patient treated with erythropoietin. Nephrology Dialysis Transplantation, 1993, 8, 563-564.	0.4	14
81	Apoptosis and resolution of experimental renal infective tubulointerstitial nephritis. Nephrology, 1996, 2, 127-132.	0.7	14
82	Prognosis in autoimmune and infectious disease: new insights from genetics. Clinical and Translational Immunology, 2014, 3, e15.	1.7	12
83	Genetic feature engineering enables characterisation of shared risk factors in immune-mediated diseases. Genome Medicine, 2020, 12, 106.	3.6	12
84	One Gene, Many Facets: Multiple Immune Pathway Dysregulation in SOCS1 Haploinsufficiency. Frontiers in Immunology, 2021, 12, 680334.	2.2	11
85	Control of Rta expression critically determines transcription of viral and cellular genes following gammaherpesvirus infection. Journal of General Virology, 2007, 88, 1689-1697.	1.3	11
86	The Contribution of Transcriptomics to Biomarker Development in Systemic Vasculitis and SLE. Current Pharmaceutical Design, 2015, 21, 2225-2235.	0.9	9
87	Randomized trial of enteric-coated mycophenolate sodium versus mycophenolate mofetil in multi-system autoimmune disease. CKJ: Clinical Kidney Journal, 2014, 7, 562-568.	1.4	7
88	Signalling lymphocyte activation molecule family member 9 is found on select subsets of antigenâ€presenting cells and promotes resistance to Salmonella infection. Immunology, 2020, 159, 393-403.	2.0	7
89	câ€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.	1.6	7
90	Coagulation factor V is a T-cell inhibitor expressed by leukocytes in COVID-19. IScience, 2022, 25, 103971.	1.9	7

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91	miR-374a-5p regulates inflammatory genes and monocyte function in patients with inflammatory bowel disease. Journal of Experimental Medicine, 2022, 219, .	4.2	7
92	Apoptosis and Renal Disease. Sepsis, 1998, 2, 31-37.	0.5	4
93	Leupaxin Expression Is Dispensable for B Cell Immune Responses. Frontiers in Immunology, 2020, 11, 466.	2.2	4
94	Ultrasensitive amplicon barcoding for next-generation sequencing facilitating sequence error and amplification-bias correction. Scientific Reports, 2020, 10, 10570.	1.6	3
95	Increased red cell turnover in a line of <scp>CD</scp>22â€deficient mice is caused by <scp>G</scp>pi1^c: A model for hereditary haemolytic anaemia. European Journal of Immunology, 2012, 42, 3212-3222.	1.6	2
96	The role of a functional variant of TYK2 in vasculitides and infections. Clinical and Experimental Rheumatology, 2020, 38, 949-955.	0.4	2
97	The potential for elderly donors to increase renal transplantation rates in Australia. Medical Journal of Australia, 1993, 158, 588-90.	0.8	1
98	Novel aspects of autoimmunity. Immunology and Cell Biology, 2016, 94, 917-917.	1.0	0