Matthew C Cook

List of Publications by Year
in descending order

125	10,947	47006 47	30922 102
papers	citations	h-index	g-index

132	132	132	14222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A RING-type ubiquitin ligase family member required to repress follicular helper T cells and autoimmunity. Nature, 2005, 435, 452-458.	27.8	777
2	Deficiency of Th17 cells in hyper IgE syndrome due to mutations in STAT3 . Journal of Experimental Medicine, 2008, 205, 1551-1557.	8.5	610
3	Aberrant Mucin Assembly in Mice Causes Endoplasmic Reticulum Stress and Spontaneous Inflammation Resembling Ulcerative Colitis. PLoS Medicine, 2008, 5, e54.	8.4	602
4	Expansion of circulating T cells resembling follicular helper T cells is a fixed phenotype that identifies a subset of severe systemic lupus erythematosus. Arthritis and Rheumatism, 2010, 62, 234-244.	6.7	593
5	Circulating Precursor CCR7loPD-1hi CXCR5+ CD4+ T Cells Indicate Tfh Cell Activity and Promote Antibody Responses upon Antigen Reexposure. Immunity, 2013, 39, 770-781.	14.3	571
6	Follicular helper T cells are required for systemic autoimmunity. Journal of Experimental Medicine, 2009, 206, 561-576.	8.5	530
7	Extrafollicular antibody responses. Immunological Reviews, 2003, 194, 8-18.	6.0	525
8	Dysregulation of germinal centres in autoimmune disease. Nature Reviews Immunology, 2009, 9, 845-857.	22.7	389
9	B cellâ€“intrinsic signaling through IL-21 receptor and STAT3 is required for establishing long-lived antibody responses in humans. Journal of Experimental Medicine, 2010, 207, 155-171.	8.5	346
10	Updated assessment of the prevalence, spectrum and case definition of autoimmune disease. Autoimmunity Reviews, 2012, 11, 754-765.	5.8	345
11	Distinct roles for lymphotoxin-Î± and tumor necrosis factor in organogenesis and spatial organization of lymphoid tissue. European Journal of Immunology, 1997, 27, 2600-2609.	2.9	305
12	Identifying the MAGUK Protein Carma-1 as a Central Regulator of Humoral Immune Responses and Atopy by Genome-Wide Mouse Mutagenesis. Immunity, 2003, 18, 751-762.	14.3	283
13	Functional STAT3 deficiency compromises the generation of human T follicular helper cells. Blood, 2012, 119, 3997-4008.	1.4	267
14	Germinal Centers without T Cells. Journal of Experimental Medicine, 2000, 191, 485-494.	8.5	254
15	The fate of self-reactive B cells depends primarily on the degree of antigen receptor engagement and availability of T cell help.. Journal of Experimental Medicine, 1996, 183, 2313-2328.	8.5	242
16	Stress reactivity of the brain noradrenergic system in three rat strains differing in their neuroendocrine and behavioral responses to stress: implications for susceptibility to stress-related neuropsychiatric disorders. Neuroscience, 2002, 115, 229-242.	2.3	220
17	TLR7 gain-of-function genetic variation causes human lupus. Nature, 2022, 605, 349-356.	27.8	208
18	IL-27 supports germinal center function by enhancing IL-21 production and the function of T follicular helper cells. Journal of Experimental Medicine, 2010, 207, 2895-2906.	8.5	185

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19	Monogenic mutations differentially affect the quantity and quality of T follicular helper cells in patients with human primary immunodeficiencies. Journal of Allergy and Clinical Immunology, 2015, 136, 993-1006.e1.	2.9	181
20	Naive and memory human B cells have distinct requirements for STAT3 activation to differentiate into antibody-secreting plasma cells. Journal of Experimental Medicine, 2013, 210, 2739-2753.	8.5	158
21	IL-21 signalling via STAT3 primes human naÃ¯ve B cells to respond to IL-2 to enhance their differentiation into plasmablasts. Blood, 2013, 122, 3940-3950.	1.4	121
22	Roquin-2 Shares Functions with Its Paralog Roquin-1 in the Repression of mRNAs Controlling T Follicular Helper Cells and Systemic Inflammation. Immunity, 2013, 38, 669-680.	14.3	120
23	STAT3 is required for IL-21â€“induced secretion of IgE from human naive B cells. Blood, 2008, 112, 1784-1793.	1.4	117
24	Hypomorphic caspase activation and recruitment domain 11 (CARD11) mutations associated with diverse immunologic phenotypes with or without atopic disease. Journal of Allergy and Clinical Immunology, 2019, 143, 1482-1495.	2.9	116
25	An intestinal epithelial defect conferring ER stress results in inflammation involving both innate and adaptive immunity. Mucosal Immunology, 2011, 4, 354-364.	6.0	114
26	Infliximab reverses inflammatory muscle wasting (sarcopenia) in Crohn's disease. Alimentary Pharmacology and Therapeutics, 2015, 41, 419-428.	3.7	108
27	Molecular Pathogenesis of EBV Susceptibility in XLP as Revealed by Analysis of Female Carriers with Heterozygous Expression of SAP. PLoS Biology, 2011, 9, e1001187.	5.6	100
28	Autosomal-dominant B-cell deficiency with alopecia due to a mutation in NFKB2 that results in nonprocessable p100. Blood, 2014, 124, 2964-2972.	1.4	99
29	Epidemiology of primary systemic vasculitis in the Australian Capital Territory and southâ€eastern New South Wales. Internal Medicine Journal, 2008, 38, 816-823.	0.8	85
30	Nuclear Factor-kappaB in Autoimmunity: Man and Mouse. Frontiers in Immunology, 2018, 9, 613.	4.8	78
31	Characterization of the clinical and immunologic phenotype and management of 157 individuals with 56 distinct heterozygous NFKB1 mutations. Journal of Allergy and Clinical Immunology, 2020, 146, 901-911.	2.9	78
32	Unique and shared signaling pathways cooperate to regulate the differentiation of human CD4+ T cells into distinct effector subsets. Journal of Experimental Medicine, 2016, 213, 1589-1608.	8.5	77
33	STAT3 is a central regulator of lymphocyte differentiation and function. Current Opinion in Immunology, 2014, 28, 49-57.	5.5	76
34	Outer Periarteriolar Lymphoid Sheath Arrest and Subsequent Differentiation of Both Naive and Tolerant Immunoglobulin Transgenic B Cells Is Determined by B Cell Receptor Occupancy. Journal of Experimental Medicine, 1997, 186, 631-643.	8.5	75
35	Functional rare and low frequency variants in BLK and BANK1 contribute to human lupus. Nature Communications, 2019, 10, 2201.	12.8	73
36	Biosimilarity and Interchangeability: Principles and Evidence: A Systematic Review. BioDrugs, 2018, 32, 27-52.	4.6	69

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37	Gain-of-function IKBKB mutation causes human combined immune deficiency. Journal of Experimental Medicine, 2018, 215, 2715-2724.	8.5	69
38	Effectiveness and response predictors of omalizumab in a severe allergic asthma population with a high prevalence of comorbidities: the Australian Xolair Registry. Internal Medicine Journal, 2016, 46, 1054-1062.	0.8	68
39	Signal transducer and activator of transcription 3 (STAT3) mutations underlying autosomal dominant hyper-IgE syndrome impair human CD8+ T-cell memory formation and function. Journal of Allergy and Clinical Immunology, 2013, 132, 400-411.e9.	2.9	63
40	Regulatory roles of IL-10â€“producing human follicular T cells. Journal of Experimental Medicine, 2019, 216, 1843-1856.	8.5	62
41	Brief Report: Identification of a Pathogenic Variant in TREX1 in Earlyâ€Onset Cerebral Systemic Lupus Erythematosus by Wholeâ€Exome Sequencing. Arthritis and Rheumatology, 2014, 66, 3382-3386.	5.6	61
42	ENU-mutagenesis: insight into immune function and pathology. Current Opinion in Immunology, 2006, 18, 627-633.	5.5	59
43	Decreased T-cell receptor signaling through CARD11 differentially compromises forkhead box protein 3â€“positive regulatory versus TH2 effector cells to cause allergy. Journal of Allergy and Clinical Immunology, 2011, 127, 1277-1285.e5.	2.9	59
44	Recirculating and germinal center B cells differentiate into cells responsive to polysaccharide antigens. European Journal of Immunology, 2003, 33, 297-305.	2.9	56
45	Insights into the Role of STAT3 in Human Lymphocyte Differentiation as Revealed by the Hyper-IgE Syndrome. Journal of Immunology, 2009, 182, 21-28.	0.8	53
46	Carboxyfluorescein diacetate succinimidyl ester and the virgin lymphocyte: A marriage made in heaven. Immunology and Cell Biology, 1999, 77, 530-538.	2.3	52
47	Axon growth and guidance genes identify Tâ€dependent germinal centre B cells. Immunology and Cell Biology, 2008, 86, 3-14.	2.3	50
48	Absence of mucosal-associated invariant T cells in a person with a homozygous point mutation in MR1. Science Immunology, 2020, 5, .	11.9	50
49	Foxp3+ regulatory T cells exert asymmetric control over murine helper responses by inducing Th2 cell apoptosis. Blood, 2011, 118, 1845-1853.	1.4	49
50	Generation of Splenic Follicular Structure and B Cell Movement in Tumor Necrosis Factorâ€“deficient Mice. Journal of Experimental Medicine, 1998, 188, 1503-1510.	8.5	47
51	A deleterious RNF43 germline mutation in a severely affected serrated polyposis kindred. Human Genome Variation, 2015, 2, 15013.	0.7	46
52	Blood Relatives of Follicular Helper T Cells. Immunity, 2011, 34, 10-12.	14.3	45
53	Rescue of self-reactive B cells by provision of T cell helpin vivo. European Journal of Immunology, 1998, 28, 2549-2558.	2.9	42
54	Tracking the response of Xid B cells in vivo: TI-2 antigen induces migration and proliferation but Btk is essential for terminal differentiation. European Journal of Immunology, 2001, 31, 1340-1350.	2.9	40

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55	Heterozygosity for Roquinsan leads to angioimmunoblastic T-cell lymphoma-like tumors in mice. Blood, 2012, 120, 812-821.	1.4	40
56	The influence of structural features on facile McLafferty-type, even-electron rearrangements in tandem mass spectra of carboxylate anions. Rapid Communications in Mass Spectrometry, 2006, 20, 1511-1516.	1.5	39
57	Heterogeneity of Human Neutrophil CD177 Expression Results from CD177P1 Pseudogene Conversion. PLoS Genetics, 2016, 12, e1006067.	3.5	36
58	A germline MTOR mutation in Aboriginal Australian siblings with intellectual disability, dysmorphism, macrocephaly, and small thoraces. American Journal of Medical Genetics, Part A, 2015, 167, 1659-1667.	1.2	35
59	â€˜It struck at the heart of who I thought I wasâ€™: A metaâ€synthesis of the qualitative literature examining the experiences of people with multiple sclerosis. Health Expectations, 2020, 23, 1007-1027.	2.6	34
60	The unfolded protein response is activated in Helicobacter-induced gastric carcinogenesis in a non-cell autonomous manner. Laboratory Investigation, 2013, 93, 112-122.	3.7	31
61	The Molecular Basis of Lymphoid Architecture and B cell Res-ponses: Implications for Immunodeficiency and Immunopathology. Current Molecular Medicine, 2001, 1, 689-725.	1.3	30
62	Realâ€life effectiveness of omalizumab in severe allergic asthma above the recommended dosing range criteria. Clinical and Experimental Allergy, 2016, 46, 1407-1415.	2.9	29
63	STAT3 regulates cytotoxicity of human CD57+ CD4+ T cells in blood and lymphoid follicles. Scientific Reports, 2018, 8, 3529.	3.3	29
64	Clinical implications of the specialised B cell response to polysaccharide encapsulated pathogens. Postgraduate Medical Journal, 2001, 77, 562-569.	1.8	27
65	Profound lymphopenia and bacteraemia. Internal Medicine Journal, 2006, 36, 385-388.	0.8	27
66	P2RY8 variants in lupus patients uncover a role for the receptor in immunological tolerance. Journal of Experimental Medicine, 2022, 219, .	8.5	26
67	Ndfip1 mediates peripheral tolerance to self and exogenous antigen by inducing cell cycle exit in responding CD4⁺T cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2067-2074.	7.1	25
68	Equitable Expanded Carrier Screening Needs Indigenous Clinical and Population Genomic Data. American Journal of Human Genetics, 2020, 107, 175-182.	6.2	24
69	Comparison of orthogonal chromatographic and lectin-affinity microarray methods for glycan profiling of a therapeutic monoclonal antibody. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 997, 162-178.	2.3	21
70	A Dual-Antigen Enzyme-Linked Immunosorbent Assay Allows the Assessment of Severe Acute Respiratory Syndrome Coronavirus 2 Antibody Seroprevalence in a Low-Transmission Setting. Journal of Infectious Diseases, 2021, 223, 10-14.	4.0	21
71	Infanticide vs. inherited cardiac arrhythmias. Europace, 2021, 23, 441-450.	1.7	21
72	Primary immune deficiencies affecting lymphocyte differentiation: lessons from the spectrum of resulting infections. International Immunology, 2009, 21, 1003-1011.	4.0	19

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73	Recirculating and marginal zone B cell populations can be established and maintained independently of primary and secondary follicles. Immunology and Cell Biology, 2001, 79, 54-61.	2.3	17
74	Challenge by Choice: Adventure-Based Counseling for Seriously Ill Adolescents. Child and Adolescent Psychiatric Clinics of North America, 2007, 16, 909-919.	1.9	17
75	IL-10+CTLA-4+ Th2 Inhibitory Cells Form in a Foxp3-Independent, IL-2â€“Dependent Manner from Th2 Effectors during Chronic Inflammation. Journal of Immunology, 2012, 188, 5478-5488.	0.8	17
76	Quantitation of serogroups in multivalent polysaccharide-based meningococcal vaccines: Optimisation of hydrolysis conditions and chromatographic methods. Vaccine, 2013, 31, 3702-3711.	3.8	17
77	Reducing the search space for causal genetic variants with VASP. Bioinformatics, 2015, 31, 2377-2379.	4.1	17
78	Agammaglobulinaemia despite terminal B-cell differentiation in a patient with a novel LRBA mutation. Clinical and Translational Immunology, 2017, 6, e144.	3.8	17
79	Analysis of B Cell Memory Formation Using DNA Microarrays. Annals of the New York Academy of Sciences, 2002, 975, 33-45.	3.8	16
80	Nfkb2 variants reveal a p100-degradation threshold that defines autoimmune susceptibility. Journal of Experimental Medicine, 2021, 218, .	8.5	16
81	Influence of B cell receptor ligation and TCR affinity on T-B collaborationin vitro. European Journal of Immunology, 1998, 28, 4037-4049.	2.9	15
82	Exposure to Solar UVR Suppresses Cell-Mediated Immunization Responses inÂHumans: The Australian Ultraviolet RadiationÂand Immunity Study. Journal of Investigative Dermatology, 2019, 139, 1545-1553.e6.	0.7	14
83	The limited (needle biopsy) autopsy and the acquired immunodeficiency syndrome. Pathology, 1994, 26, 141-143.	0.6	13
84	A randomized trial of serological and cellular responses to hepatitis B vaccination in chronic kidney disease. PLoS ONE, 2018, 13, e0204477.	2.5	13
85	Serogroup quantitation of multivalent polysaccharide and polysaccharide-conjugate meningococcal vaccines from China. Biologicals, 2013, 41, 261-268.	1.4	12
86	Autoimmunity in primary antibody deficiency is associated with protein tyrosine phosphatase nonreceptor type 22 (PTPN22). Journal of Allergy and Clinical Immunology, 2013, 131, 1130-1135.e1.	2.9	11
87	Heterophile interference accounts for method-specific dsDNA antibodies in patients receiving anti-TNF treatment. Rheumatology, 2010, 49, 891-897.	1.9	10
88	De novo infantile primary antiphospholipid antibody syndrome. Lupus, 2010, 19, 1565-1568.	1.6	10
89	The Role of T Cells in the Regulation of B Cell Tolerance. International Reviews of Immunology, 1997, 15, 73-99.	3.3	9
90	Infliximab Therapy for Complicated Sarcoidosis. Annals of Internal Medicine, 2002, 137, 296.	3.9	8

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91	Recurrent miscalling of missense variation from short-read genome sequence data. BMC Genomics, 2019, 20, 546.	2.8	8
92	Non-parametric Heat Map Representation of Flow Cytometry Data: Identifying Cellular Changes Associated With Genetic Immunodeficiency Disorders. Frontiers in Immunology, 2019, 10, 2134.	4.8	8
93	Role of Dendritic Cells in Induction of Tolerance and Immunity in Vivo. Advances in Experimental Medicine and Biology, 1997, 417, 255-263.	1.6	8
94	Microalbuminuria following anaphylaxis with general anaesthesia. British Journal of Anaesthesia, 2000, 84, 808-810.	3.4	7
95	B cell biology, apoptosis, and autoantibodies to phospholipids. Thrombosis Research, 2004, 114, 307-319.	1.7	7
96	Inborn Errors of Immunity and Their Phenocopies: CTLA4 and PD-1. Frontiers in Immunology, 2021, 12, 806043.	4.8	7
97	Dynamic consent and personalised medicine. Medical Journal of Australia, 2022, 216, 547-549.	1.7	7
98	Tattoo-Associated Uveitis. American Journal of Ophthalmology, 2014, 158, 1355-1356.	3.3	6
99	Medical case reports in the age of genomic medicine. Clinical and Translational Immunology, 2015, 4, e45.	3.8	6
100	Trichohepatoenteric Syndrome Presenting with Severe Infection and Later Onset Diarrhoea. Journal of Clinical Immunology, 2018, 38, 1-3.	3.8	6
101	Genetic Analysis of Systemic Autoimmunity. Novartis Foundation Symposium, 2007, 281, 103-128.	1.1	6
102	Synthesis of the Neurotransmitter 4-Aminobutanoic Acid (GABA) from Diethyl Cyanomalonate. Letters in Drug Design and Discovery, 2010, 7, 9-13.	0.7	4
103	Comparison of enzyme-linked immunosorbent assay and rapid chemiluminescent analyser in the detection of myeloperoxidase and proteinase 3 autoantibodies. Pathology, 2017, 49, 413-418.	0.6	4
104	Personalizing Medicine and Technologies to Address the Experiences and Needs of People with Multiple Sclerosis. Journal of Personalized Medicine, 2021, 11, 791.	2.5	4
105	Expanding the clinical spectrum of pathogenic variation in NR2F2: Asplenia. European Journal of Medical Genetics, 2021, 64, 104347.	1.3	4
106	Immunology of trauma. Trauma, 2001, 3, 79-88.	0.5	3
107	Acute neuropsychiatric manifestations of anti-N-methyl-D-aspartate receptor encephalitis. Australasian Psychiatry, 2013, 21, 279-280.	0.7	3
108	Recent onset granulomatous common variable immunodeficiency in an 88-year-old woman. Pathology, 2003, 35, 81-83.	0.6	2

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109	Determination of Meningococcal Serogroups in Formulated Monovalent and Multivalent Polysaccharide and Polysaccharide-Conjugate Vaccines. Analytical Chemistry, 2015, 87, 5009-5011.	6.5	2
110	Xanthoma and paraproteinaemia: a spot diagnosis. BMJ Case Reports, 2019, 12, bcr-2018-227884.	0.5	2
111	Increased burden of rare variants in genes of the endosomal Toll-like receptor pathway in patients with systemic lupus erythematosus. Lupus, 2021, 30, 1756-1763.	1.6	2
112	A Decade Experience on Severe Combined Immunodeficiency Phenotype in Oman, Bridging to Newborn Screening. Frontiers in Immunology, 2020, 11, 623199.	4.8	2
113	Subcutaneous GammanormÂ® by pump or rapid push infusion: Impact of the device on quality of life in adult patients with primary immunodeficiencies. Clinical Immunology, 2022, 236, 108938.	3.2	2
114	Immune Dysregulation in Monogenic Inborn Errors of Immunity in Oman: Over A Decade of Experience From a Single Tertiary Center. Frontiers in Immunology, 2022, 13, 849694.	4.8	2
115	Deletions in VANGL1 are a risk factor for antibody-mediated kidney disease. Cell Reports Medicine, 2021, 2, 100475.	6.5	2
116	Retrospective singleâ€¢centre analysis of diagnostic approach to adultâ€onset haemophagocytic lymphohistiocytosis. Internal Medicine Journal, 2021, 51, 939-947.	0.8	1
117	Receptor editing (and the evolution of sex). Trends in Immunology, 2000, 21, 55-56.	7.5	0
118	Pneumococcal disease in Australia: the immunological basis of pneumococcal vaccines. Medical Journal of Australia, 2001, 174, 423-423.	1.7	0
119	The Molecular Basis of Lymphoid Architecture in the Mouse. , 2007, , 57-108.		0
120	Thermal properties of 2-(aminomethyl)dicarboxylic acids. Thermochimica Acta, 2008, 468, 49-54.	2.7	0
121	B cells: B cell back catalogue (remastered). Immunology and Cell Biology, 2008, 86, 109-110.	2.3	0
122	High Frequency of RNF43 R117H Missense Mutation in SSA/PS Predisposes to Truncating R117FS in Microsatellite Unstable Colorectal Cancer. Gastroenterology, 2017, 152, S804.	1.3	0
123	Genetics of Disease Progression in Diffuse Large B-Cell Lymphoma: Clonal Selection and Acquisition of Newly Acquired Somatic Mutations at Relapse. Blood, 2014, 124, 3038-3038.	1.4	0
124	Regulation of immunological tolerance and human autoimmunity by NF-ÎºB. , 2022, , 213-234.		0
125	Correlation of Hemophagocytosis with Clinical Criteria of Hemophagocytic Lymphohistiocytosis and Recommendations for Screening Bone Marrow Samples in Adult Patients. Blood, 2020, 136, 37-38.	1.4	0