

Matthew C Cook

List of Publications by Year in descending order

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Version: 2024-02-01

125
papers

10,947
citations

47004

47
h-index

30920

102
g-index

132
all docs

132
docs citations

132
times ranked

14222
citing authors

#	ARTICLE	IF	CITATIONS
1	A RING-type ubiquitin ligase family member required to repress follicular helper T cells and autoimmunity. <i>Nature</i> , 2005, 435, 452-458.	27.8	777
2	Deficiency of Th17 cells in hyper IgE syndrome due to mutations in <i>STAT3</i> . <i>Journal of Experimental Medicine</i> , 2008, 205, 1551-1557.	8.5	610
3	Aberrant Mucin Assembly in Mice Causes Endoplasmic Reticulum Stress and Spontaneous Inflammation Resembling Ulcerative Colitis. <i>PLoS Medicine</i> , 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. <i>Arthritis and Rheumatism</i> , 2010, 62, 234-244.	6.7	593
5	Circulating Precursor CCR7 ^{lo} PD-1 ^{hi} CXCR5 ⁺ CD4 ⁺ T Cells Indicate Tfh Cell Activity and Promote Antibody Responses upon Antigen Reexposure. <i>Immunity</i> , 2013, 39, 770-781.	14.3	571
6	Follicular helper T cells are required for systemic autoimmunity. <i>Journal of Experimental Medicine</i> , 2009, 206, 561-576.	8.5	530
7	Extrafollicular antibody responses. <i>Immunological Reviews</i> , 2003, 194, 8-18.	6.0	525
8	Dysregulation of germinal centres in autoimmune disease. <i>Nature Reviews Immunology</i> , 2009, 9, 845-857.	22.7	389
9	B cell ^{intrinsic} signaling through IL-21 receptor and STAT3 is required for establishing long-lived antibody responses in humans. <i>Journal of Experimental Medicine</i> , 2010, 207, 155-171.	8.5	346
10	Updated assessment of the prevalence, spectrum and case definition of autoimmune disease. <i>Autoimmunity Reviews</i> , 2012, 11, 754-765.	5.8	345
11	Distinct roles for lymphotoxin- α and tumor necrosis factor in organogenesis and spatial organization of lymphoid tissue. <i>European Journal of Immunology</i> , 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. <i>Immunity</i> , 2003, 18, 751-762.	14.3	283
13	Functional STAT3 deficiency compromises the generation of human T follicular helper cells. <i>Blood</i> , 2012, 119, 3997-4008.	1.4	267
14	Germinal Centers without T Cells. <i>Journal of Experimental Medicine</i> , 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. <i>Journal of Experimental Medicine</i> , 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. <i>Neuroscience</i> , 2002, 115, 229-242.	2.3	220
17	TLR7 gain-of-function genetic variation causes human lupus. <i>Nature</i> , 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. <i>Journal of Experimental Medicine</i> , 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. <i>Journal of Allergy and Clinical Immunology</i> , 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. <i>Journal of Experimental Medicine</i> , 2013, 210, 2739-2753.	8.5	158
21	IL-21 signalling via STAT3 primes human naïve B cells to respond to IL-2 to enhance their differentiation into plasmablasts. <i>Blood</i> , 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. <i>Immunity</i> , 2013, 38, 669-680.	14.3	120
23	STAT3 is required for IL-21-induced secretion of IgE from human naive B cells. <i>Blood</i> , 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. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 1482-1495.	2.9	116
25	An intestinal epithelial defect conferring ER stress results in inflammation involving both innate and adaptive immunity. <i>Mucosal Immunology</i> , 2011, 4, 354-364.	6.0	114
26	Infliximab reverses inflammatory muscle wasting (sarcopenia) in Crohn's disease. <i>Alimentary Pharmacology and Therapeutics</i> , 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. <i>PLoS Biology</i> , 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. <i>Blood</i> , 2014, 124, 2964-2972.	1.4	99
29	Epidemiology of primary systemic vasculitis in the Australian Capital Territory and south-eastern New South Wales. <i>Internal Medicine Journal</i> , 2008, 38, 816-823.	0.8	85
30	Nuclear Factor-kappaB in Autoimmunity: Man and Mouse. <i>Frontiers in Immunology</i> , 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. <i>Journal of Allergy and Clinical Immunology</i> , 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. <i>Journal of Experimental Medicine</i> , 2016, 213, 1589-1608.	8.5	77
33	STAT3 is a central regulator of lymphocyte differentiation and function. <i>Current Opinion in Immunology</i> , 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. <i>Journal of Experimental Medicine</i> , 1997, 186, 631-643.	8.5	75
35	Functional rare and low frequency variants in BLK and BANK1 contribute to human lupus. <i>Nature Communications</i> , 2019, 10, 2201.	12.8	73
36	Biosimilarity and Interchangeability: Principles and Evidence: A Systematic Review. <i>BioDrugs</i> , 2018, 32, 27-52.	4.6	69

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37	Gain-of-function <i>IKBKB</i> mutation causes human combined immune deficiency. <i>Journal of Experimental Medicine</i> , 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. <i>Internal Medicine Journal</i> , 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. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 400-411.e9.	2.9	63
40	Regulatory roles of IL-10-producing human follicular T cells. <i>Journal of Experimental Medicine</i> , 2019, 216, 1843-1856.	8.5	62
41	Brief Report: Identification of a Pathogenic Variant in <i>TREX1</i> in Early-Onset Cerebral Systemic Lupus Erythematosus by Whole-Exome Sequencing. <i>Arthritis and Rheumatology</i> , 2014, 66, 3382-3386.	5.6	61
42	ENU-mutagenesis: insight into immune function and pathology. <i>Current Opinion in Immunology</i> , 2006, 18, 627-633.	5.5	59
43	Decreased T-cell receptor signaling through <i>CARD11</i> differentially compromises forkhead box protein 3-positive regulatory versus TH2 effector cells to cause allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 1277-1285.e5.	2.9	59
44	Recirculating and germinal center B cells differentiate into cells responsive to polysaccharide antigens. <i>European Journal of Immunology</i> , 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. <i>Journal of Immunology</i> , 2009, 182, 21-28.	0.8	53
46	Carboxyfluorescein diacetate succinimidyl ester and the virgin lymphocyte: A marriage made in heaven. <i>Immunology and Cell Biology</i> , 1999, 77, 530-538.	2.3	52
47	Axon growth and guidance genes identify T-dependent germinal centre B cells. <i>Immunology and Cell Biology</i> , 2008, 86, 3-14.	2.3	50
48	Absence of mucosal-associated invariant T cells in a person with a homozygous point mutation in <i>MR1</i> . <i>Science Immunology</i> , 2020, 5, .	11.9	50
49	Foxp3+ regulatory T cells exert asymmetric control over murine helper responses by inducing Th2 cell apoptosis. <i>Blood</i> , 2011, 118, 1845-1853.	1.4	49
50	Generation of Splenic Follicular Structure and B Cell Movement in Tumor Necrosis Factor-deficient Mice. <i>Journal of Experimental Medicine</i> , 1998, 188, 1503-1510.	8.5	47
51	A deleterious <i>RNF43</i> germline mutation in a severely affected serrated polyposis kindred. <i>Human Genome Variation</i> , 2015, 2, 15013.	0.7	46
52	Blood Relatives of Follicular Helper T Cells. <i>Immunity</i> , 2011, 34, 10-12.	14.3	45
53	Rescue of self-reactive B cells by provision of T cell help in vivo. <i>European Journal of Immunology</i> , 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. <i>European Journal of Immunology</i> , 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. <i>Blood</i> , 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. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1511-1516.	1.5	39
57	Heterogeneity of Human Neutrophil CD177 Expression Results from CD177P1 Pseudogene Conversion. <i>PLoS Genetics</i> , 2016, 12, e1006067.	3.5	36
58	A germline <i>MTOR</i> mutation in Aboriginal Australian siblings with intellectual disability, dysmorphism, macrocephaly, and small thoraces. <i>American Journal of Medical Genetics, Part A</i> , 2015, 167, 1659-1667.	1.2	35
59	It struck at the heart of who I thought I was™: A meta-synthesis of the qualitative literature examining the experiences of people with multiple sclerosis. <i>Health Expectations</i> , 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. <i>Laboratory Investigation</i> , 2013, 93, 112-122.	3.7	31
61	The Molecular Basis of Lymphoid Architecture and B cell Responses: Implications for Immunodeficiency and Immunopathology. <i>Current Molecular Medicine</i> , 2001, 1, 689-725.	1.3	30
62	Real-life effectiveness of omalizumab in severe allergic asthma above the recommended dosing range criteria. <i>Clinical and Experimental Allergy</i> , 2016, 46, 1407-1415.	2.9	29
63	STAT3 regulates cytotoxicity of human CD57+ CD4+ T cells in blood and lymphoid follicles. <i>Scientific Reports</i> , 2018, 8, 3529.	3.3	29
64	Clinical implications of the specialised B cell response to polysaccharide encapsulated pathogens. <i>Postgraduate Medical Journal</i> , 2001, 77, 562-569.	1.8	27
65	Profound lymphopenia and bacteraemia. <i>Internal Medicine Journal</i> , 2006, 36, 385-388.	0.8	27
66	P2RY8 variants in lupus patients uncover a role for the receptor in immunological tolerance. <i>Journal of Experimental Medicine</i> , 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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2067-2074.	7.1	25
68	Equitable Expanded Carrier Screening Needs Indigenous Clinical and Population Genomic Data. <i>American Journal of Human Genetics</i> , 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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 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. <i>Journal of Infectious Diseases</i> , 2021, 223, 10-14.	4.0	21
71	Infanticide vs. inherited cardiac arrhythmias. <i>Europace</i> , 2021, 23, 441-450.	1.7	21
72	Primary immune deficiencies affecting lymphocyte differentiation: lessons from the spectrum of resulting infections. <i>International Immunology</i> , 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. <i>Immunology and Cell Biology</i> , 2001, 79, 54-61.	2.3	17
74	Challenge by Choice: Adventure-Based Counseling for Seriously Ill Adolescents. <i>Child and Adolescent Psychiatric Clinics of North America</i> , 2007, 16, 909-919.	1.9	17
75	IL-10+CTLA-4+ Th2 Inhibitory Cells Form in a Foxp3-Independent, IL-2-Dependent Manner from Th2 Effectors during Chronic Inflammation. <i>Journal of Immunology</i> , 2012, 188, 5478-5488.	0.8	17
76	Quantitation of serogroups in multivalent polysaccharide-based meningococcal vaccines: Optimisation of hydrolysis conditions and chromatographic methods. <i>Vaccine</i> , 2013, 31, 3702-3711.	3.8	17
77	Reducing the search space for causal genetic variants with VASP. <i>Bioinformatics</i> , 2015, 31, 2377-2379.	4.1	17
78	Agammaglobulinaemia despite terminal B-cell differentiation in a patient with a novel LRBA mutation. <i>Clinical and Translational Immunology</i> , 2017, 6, e144.	3.8	17
79	Analysis of B Cell Memory Formation Using DNA Microarrays. <i>Annals of the New York Academy of Sciences</i> , 2002, 975, 33-45.	3.8	16
80	<i>χ</i> ² variants reveal a p100-degradation threshold that defines autoimmune susceptibility. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	16
81	Influence of B cell receptor ligation and TCR affinity on T-B collaboration in vitro. <i>European Journal of Immunology</i> , 1998, 28, 4037-4049.	2.9	15
82	Exposure to Solar UVR Suppresses Cell-Mediated Immunization Responses in Humans: The Australian Ultraviolet Radiation and Immunity Study. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1545-1553.e6.	0.7	14
83	The limited (needle biopsy) autopsy and the acquired immunodeficiency syndrome. <i>Pathology</i> , 1994, 26, 141-143.	0.6	13
84	A randomized trial of serological and cellular responses to hepatitis B vaccination in chronic kidney disease. <i>PLoS ONE</i> , 2018, 13, e0204477.	2.5	13
85	Serogroup quantitation of multivalent polysaccharide and polysaccharide-conjugate meningococcal vaccines from China. <i>Biologicals</i> , 2013, 41, 261-268.	1.4	12
86	Autoimmunity in primary antibody deficiency is associated with protein tyrosine phosphatase nonreceptor type 22 (PTPN22). <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1130-1135.e1.	2.9	11
87	Heterophile interference accounts for method-specific dsDNA antibodies in patients receiving anti-TNF treatment. <i>Rheumatology</i> , 2010, 49, 891-897.	1.9	10
88	De novo infantile primary antiphospholipid antibody syndrome. <i>Lupus</i> , 2010, 19, 1565-1568.	1.6	10
89	The Role of T Cells in the Regulation of B Cell Tolerance. <i>International Reviews of Immunology</i> , 1997, 15, 73-99.	3.3	9
90	Infliximab Therapy for Complicated Sarcoidosis. <i>Annals of Internal Medicine</i> , 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. <i>Analytical Chemistry</i> , 2015, 87, 5009-5011.	6.5	2
110	Xanthoma and paraproteinaemia: a spot diagnosis. <i>BMJ Case Reports</i> , 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. <i>Lupus</i> , 2021, 30, 1756-1763.	1.6	2
112	A Decade Experience on Severe Combined Immunodeficiency Phenotype in Oman, Bridging to Newborn Screening. <i>Frontiers in Immunology</i> , 2020, 11, 623199.	4.8	2
113	Subcutaneous Gammanorm® by pump or rapid push infusion: Impact of the device on quality of life in adult patients with primary immunodeficiencies. <i>Clinical Immunology</i> , 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. <i>Frontiers in Immunology</i> , 2022, 13, 849694.	4.8	2
115	Deletions in VANGL1 are a risk factor for antibody-mediated kidney disease. <i>Cell Reports Medicine</i> , 2021, 2, 100475.	6.5	2
116	Retrospective single-centre analysis of diagnostic approach to adult-onset haemophagocytic lymphohistiocytosis. <i>Internal Medicine Journal</i> , 2021, 51, 939-947.	0.8	1
117	Receptor editing (and the evolution of sex). <i>Trends in Immunology</i> , 2000, 21, 55-56.	7.5	0
118	Pneumococcal disease in Australia: the immunological basis of pneumococcal vaccines. <i>Medical Journal of Australia</i> , 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. <i>Thermochimica Acta</i> , 2008, 468, 49-54.	2.7	0
121	B cells: B cell back catalogue (remastered). <i>Immunology and Cell Biology</i> , 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. <i>Gastroenterology</i> , 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. <i>Blood</i> , 2014, 124, 3038-3038.	1.4	0
124	Regulation of immunological tolerance and human autoimmunity by NF- κ B. , 2022, , 213-234.		0
125	Correlation of Hemophagocytosis with Clinical Criteria of Hemophagocytic Lymphohistiocytosis and Recommendations for Screening Bone Marrow Samples in Adult Patients. <i>Blood</i> , 2020, 136, 37-38.	1.4	0