

Richard J Cornall

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

6,315
citations

186265

28
h-index

214800

47
g-index

53
all docs

53
docs citations

53
times ranked

12288
citing authors

#	ARTICLE	IF	CITATIONS
1	Broad and strong memory CD4+ and CD8+ T cells induced by SARS-CoV-2 in UK convalescent individuals following COVID-19. <i>Nature Immunology</i> , 2020, 21, 1336-1345.	14.5	1,066
2	Antibody Status and Incidence of SARS-CoV-2 Infection in Health Care Workers. <i>New England Journal of Medicine</i> , 2021, 384, 533-540.	27.0	803
3	Genetic analysis of autoimmune type 1 diabetes mellitus in mice. <i>Nature</i> , 1991, 351, 542-547.	27.8	513
4	Spatiotemporal transcriptomic atlas of mouse organogenesis using DNA nanoball-patterned arrays. <i>Cell</i> , 2022, 185, 1777-1792.e21.	28.9	437
5	Polygenic Autoimmune Traits: Lyn, CD22, and SHP-1 Are Limiting Elements of a Biochemical Pathway Regulating BCR Signaling and Selection. <i>Immunity</i> , 1998, 8, 497-508.	14.3	413
6	Performance characteristics of five immunoassays for SARS-CoV-2: a head-to-head benchmark comparison. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 1390-1400.	9.1	336
7	Dock8 mutations cripple B cell immunological synapses, germinal centers and long-lived antibody production. <i>Nature Immunology</i> , 2009, 10, 1283-1291.	14.5	236
8	The Duration, Dynamics, and Determinants of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Antibody Responses in Individual Healthcare Workers. <i>Clinical Infectious Diseases</i> , 2021, 73, e699-e709.	5.8	235
9	53BP1 cooperation with the REV7â€œshieldin complex underpins DNA structure-specific NHEJ. <i>Nature</i> , 2018, 560, 122-127.	27.8	222
10	Differential occupational risks to healthcare workers from SARS-CoV-2 observed during a prospective observational study. <i>ELife</i> , 2020, 9, .	6.0	196
11	Type 1 diabetes in mice is linked to the interleukin-1 receptor and Lsh/lty/Bcg genes on chromosome 1. <i>Nature</i> , 1991, 353, 262-265.	27.8	181
12	Antibody testing for COVID-19: A report from the National COVID Scientific Advisory Panel. <i>Wellcome Open Research</i> , 2020, 5, 139.	1.8	179
13	DOCK8 regulates lymphocyte shape integrity for skin antiviral immunity. <i>Journal of Experimental Medicine</i> , 2014, 211, 2549-2566.	8.5	150
14	Themis is a member of a new metazoan gene family and is required for the completion of thymocyte positive selection. <i>Nature Immunology</i> , 2009, 10, 831-839.	14.5	108
15	DOCK8 is essential for Tâ€œcell survival and the maintenance of CD8+</sup> Tâ€œcell memory. <i>European Journal of Immunology</i> , 2011, 41, 3423-3435.	2.9	105
16	B1a B cells require autophagy for metabolic homeostasis and self-renewal. <i>Journal of Experimental Medicine</i> , 2018, 215, 399-413.	8.5	97
17	Immune Checkpoints as Therapeutic Targets in Autoimmunity. <i>Frontiers in Immunology</i> , 2018, 9, 2306.	4.8	96
18	An essential role for the Zn ²⁺ transporter ZIP7 in B cell development. <i>Nature Immunology</i> , 2019, 20, 350-361.	14.5	92

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19	DOCK8 is critical for the survival and function of NKT cells. <i>Blood</i> , 2013, 122, 2052-2061.	1.4	68
20	An Observational Cohort Study on the Incidence of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection and B.1.1.7 Variant Infection in Healthcare Workers by Antibody and Vaccination Status. <i>Clinical Infectious Diseases</i> , 2022, 74, 1208-1219.	5.8	64
21	Capturing resting T cells: the perils of PLL. <i>Nature Immunology</i> , 2018, 19, 203-205.	14.5	62
22	MyD88-dependent autoimmune disease in Lyn-deficient mice. <i>European Journal of Immunology</i> , 2007, 37, 2734-2743.	2.9	54
23	Two types of BCR interactions are positively selected during leukemia development in the λ 1/4-TCL1 transgenic mouse model of CLL. <i>Blood</i> , 2015, 125, 1578-1588.	1.4	52
24	The Cellular Location of Self-antigen Determines the Positive and Negative Selection of Autoreactive B Cells. <i>Journal of Experimental Medicine</i> , 2003, 198, 1415-1425.	8.5	49
25	Dynamic regulation of hypoxia-inducible factor-1 α activity is essential for normal B cell development. <i>Nature Immunology</i> , 2020, 21, 1408-1420.	14.5	40
26	Mutation of <i>Fcrl1</i> is associated with B-cell deficiency, cardiomyopathy, and elevated AMPK activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3706-15.	7.1	39
27	Increased Positive Selection of B1 Cells and Reduced B Cell Tolerance to Intracellular Antigens in <i>c1q</i> -Deficient Mice. <i>Journal of Immunology</i> , 2007, 178, 2916-2922.	0.8	32
28	High-throughput phenotyping reveals expansive genetic and structural underpinnings of immune variation. <i>Nature Immunology</i> , 2020, 21, 86-100.	14.5	32
29	Hyper IgE in New Zealand black mice due to a dominant-negative CD23 mutation. <i>Immunogenetics</i> , 2004, 56, 564-571.	2.4	31
30	The Essential Role of DOCK8 in Humoral Immunity. <i>Disease Markers</i> , 2010, 29, 141-150.	1.3	24
31	Stringent thresholds in SARS-CoV-2 IgG assays lead to under-detection of mild infections. <i>BMC Infectious Diseases</i> , 2021, 21, 187.	2.9	23
32	An ontogenetic switch drives the positive and negative selection of B cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3718-3727.	7.1	22
33	Themis2 lowers the threshold for B cell activation during positive selection. <i>Nature Immunology</i> , 2017, 18, 205-213.	14.5	21
34	THEMIS: Two Models, Different Thresholds. <i>Trends in Immunology</i> , 2017, 38, 622-632.	6.8	20
35	Linkage analysis of 84 microsatellite markers in intra- and interspecific backcrosses. <i>Mammalian Genome</i> , 1992, 3, 457-460.	2.2	19
36	SARS-CoV-2 antibody prevalence, titres and neutralising activity in an antenatal cohort, United Kingdom, 14 April to 15 June 2020. <i>Eurosurveillance</i> , 2020, 25, .	7.0	17

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37	Analysis of Lyn/CD22 double-deficient B cells <i>in vivo</i> demonstrates Lyn- and CD22-independent pathways affecting BCR regulation and B cell survival. <i>European Journal of Immunology</i> , 2005, 35, 3655-3663.	2.9	15
38	Signals from a Self-Antigen Induce Positive Selection in Early B Cell Ontogeny but Are Tolerogenic in Adults. <i>Journal of Immunology</i> , 2006, 176, 7402-7411.	0.8	15
39	A whole blood monokine-based reporter assay provides a sensitive and robust measurement of the antigen-specific T cell response. <i>Journal of Translational Medicine</i> , 2011, 9, 143.	4.4	15
40	B Cell Antigen Receptor Signalling in the Balance of Tolerance and Immunity. <i>Novartis Foundation Symposium</i> , 1998, 215, 21-40.	1.1	13
41	Mutation of the ER retention receptor KDELR1 leads to cell-intrinsic lymphopenia and a failure to control chronic viral infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5706-14.	7.1	11
42	TLR4, TLR9 and MyD88 are not required for the positive selection of autoreactive B cells into the primary repertoire. <i>European Journal of Immunology</i> , 2006, 36, 1404-1412.	2.9	10
43	Partial retinal photoreceptor loss in a transgenic mouse model associated with reduced levels of interphotoreceptor retinol binding protein (IRBP, RBP3). <i>Experimental Eye Research</i> , 2018, 172, 54-65.	2.6	7
44	Treatment With FoxP3+ Antigen-Experienced T Regulatory Cells Arrests Progressive Retinal Damage in a Spontaneous Model of Uveitis. <i>Frontiers in Immunology</i> , 2020, 11, 2071.	4.8	7
45	Spontaneous class switching and B cell hyperactivity increase autoimmunity against intracellular self antigen in Lyn-deficient mice. <i>European Journal of Immunology</i> , 2006, 36, 2920-2927.	2.9	5
46	Themis2: setting the threshold for B-cell selection. <i>Cellular and Molecular Immunology</i> , 2017, 14, 643-645.	10.5	5
47	The Nature of the Antigen Determines Leukemia Development and Behavior in the $\frac{1}{4}$ -TCL1 Transgenic Mouse Model of CLL. <i>Blood</i> , 2012, 120, 181-181.	1.4	5
48	Tolerance and Autoimmunity to Neoantigen Expressed in Retina. <i>Clinical Science</i> , 2003, 104, 49P-49P.	0.0	0