Alex J Mentzer

List of Publications by Year
in descending order

102 papers	13,591 citations	57631 44 h-index	38300 95 g-index
132 all docs	132 docs citations	132 times ranked	23768 citing authors

#	Article	IF	Citations
1	Safety and immunogenicity of the ChAdOx1 nCoV-19 vaccine against SARS-CoV-2: a preliminary report of a phase 1/2, single-blind, randomised controlled trial. Lancet, The, 2020, 396, 467-478.	6.3	2,080
2	Broad and strong memory CD4+ and CD8+ T cells induced by SARS-CoV-2 in UK convalescent individuals following COVID-19. Nature Immunology, 2020, 21, 1336-1345.	7.0	1,066
3	Evidence of escape of SARS-CoV-2 variant B.1.351 from natural and vaccine-induced sera. Cell, 2021, 184, 2348-2361.e6.	13.5	936
4	SARS-CoV-2 Omicron-B.1.1.529 leads to widespread escape from neutralizing antibody responses. Cell, 2022, 185, 467-484.e15.	13.5	788
5	Reduced neutralization of SARS-CoV-2 B.1.617 by vaccine and convalescent serum. Cell, 2021, 184, 4220-4236.e13.	13.5	630
6	Antibody escape of SARS-CoV-2 Omicron BA.4 and BA.5 from vaccine and BA.1 serum. Cell, 2022, 185, 2422-2433.e13.	13.5	532
7	Antibody evasion by the P.1 strain of SARS-CoV-2. Cell, 2021, 184, 2939-2954.e9.	13.5	519
8	T cell and antibody responses induced by a single dose of ChAdOx1 nCoV-19 (AZD1222) vaccine in a phase 1/2 clinical trial. Nature Medicine, 2021, 27, 270-278.	15.2	473
9	Reduced neutralization of SARS-CoV-2 B.1.1.7 variant by convalescent and vaccine sera. Cell, 2021, 184, 2201-2211.e7.	13.5	442
10	A genomic history of Aboriginal Australia. Nature, 2016, 538, 207-214.	13.7	439
11	Performance characteristics of five immunoassays for SARS-CoV-2: a head-to-head benchmark comparison. Lancet Infectious Diseases, The, 2020, 20, 1390-1400.	4.6	336
12	The antigenic anatomy of SARS-CoV-2 receptor binding domain. Cell, 2021, 184, 2183-2200.e22.	13.5	331
13	Phase 1/2 trial of SARS-CoV-2 vaccine ChAdOx1 nCoV-19 with a booster dose induces multifunctional antibody responses. Nature Medicine, 2021, 27, 279-288.	15.2	265
14	Immunogenicity of standard and extended dosing intervals of BNT162b2 mRNA vaccine. Cell, 2021, 184, 5699-5714.e11.	13.5	262
15	Long reads: their purpose and place. Human Molecular Genetics, 2018, 27, R234-R241.	1.4	249
16	The Duration, Dynamics, and Determinants of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Antibody Responses in Individual Healthcare Workers. Clinical Infectious Diseases, 2021, 73, e699-e709.	2.9	235
17	Differential occupational risks to healthcare workers from SARS-CoV-2 observed during a prospective observational study. ELife, 2020, 9, .	2.8	196
18	Antibody testing for COVID-19: A report from theÂNational COVID Scientific Advisory Panel. Wellcome Open Research, 2020, 5, 139.	0.9	179

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19	Development and validation of the ISARIC 4C Deterioration model for adults hospitalised with COVID-19: a prospective cohort study. Lancet Respiratory Medicine,the, 2021, 9, 349-359.	5.2	161
20	Uganda Genome Resource Enables Insights into Population History and Genomic Discovery in Africa. Cell, 2019, 179, 984-1002.e36.	13.5	152
21	Two doses of SARS-CoV-2 vaccination induce robust immune responses to emerging SARS-CoV-2 variants of concern. Nature Communications, 2021, 12, 5061.	5.8	150
22	T-cell and antibody responses to first BNT162b2 vaccine dose in previously infected and SARS-CoV-2-naive UK health-care workers: a multicentre prospective cohort study. Lancet Microbe, The, 2022, 3, e21-e31.	3.4	131
23	SARS-CoV-2 RNA detected in blood products from patients with COVID-19 is not associated with infectious virus. Wellcome Open Research, 2020, 5, 181.	0.9	122
24	Association between a common immunoglobulin heavy chain allele and rheumatic heart disease risk in Oceania. Nature Communications, 2017, 8, 14946.	5.8	114
25	An immunodominant NP105â€“113-B*07:02 cytotoxic T cell response controls viral replication and is associated with less severe COVID-19 disease. Nature Immunology, 2022, 23, 50-61.	7.0	110
26	Th1/Th17 polarization persists following whole-cell pertussis vaccination despite repeated acellular boosters. Journal of Clinical Investigation, 2018, 128, 3853-3865.	3.9	107
27	Potent cross-reactive antibodies following Omicron breakthrough in vaccinees. Cell, 2022, 185, 2116-2131.e18.	13.5	105
28	T cell assays differentiate clinical and subclinical SARS-CoV-2 infections from cross-reactive antiviral responses. Nature Communications, 2021, 12, 2055.	5.8	102
29	Distinguishing orofacial granulomatosis from crohn's disease: Two separate disease entities?. Inflammatory Bowel Diseases, 2011, 17, 2109-2115.	0.9	100
30	Host genetics and infectious disease: new tools, insights and translational opportunities. Nature Reviews Genetics, 2021, 22, 137-153.	7.7	98
31	Language continuity despite population replacement in Remote Oceania. Nature Ecology and Evolution, 2018, 2, 731-740.	3.4	91
32	Population Turnover in Remote Oceania Shortly after Initial Settlement. Current Biology, 2018, 28, 1157-1165.e7.	1.8	91
33	HLA*LAâ€”HLA typing from linearly projected graph alignments. Bioinformatics, 2019, 35, 4394-4396.	1.8	88
34	High-Accuracy HLA Type Inference from Whole-Genome Sequencing Data Using Population Reference Graphs. PLoS Computational Biology, 2016, 12, e1005151.	1.5	87
35	Joint sequencing of human and pathogen genomes reveals the genetics of pneumococcal meningitis. Nature Communications, 2019, 10, 2176.	5.8	83
36	SARS-CoV-2 RNA detected in blood products from patients with COVID-19 is not associated with infectious virus. Wellcome Open Research, 2020, 5, 181.	0.9	81

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37	Native American gene flow into Polynesia predating Easter Island settlement. Nature, 2020, 583, 572-577.	13.7	64
38	Detection of neutralising antibodies to SARS-CoV-2 to determine population exposure in Scottish blood donors between March and May 2020. Eurosurveillance, 2020, 25, .	3.9	64
39	The impact of viral mutations on recognition by SARS-CoV-2 specific TÂcells. IScience, 2021, 24, 103353.	1.9	57
40	Antibodies Against Chlamydia trachomatis and Ovarian Cancer Risk in Two Independent Populations. Journal of the National Cancer Institute, 2019, 111, 129-136.	3.0	56
41	A haemagglutination test for rapid detection of antibodies to SARS-CoV-2. Nature Communications, 2021, 12, 1951.	5.8	54
42	The antibody response to SARS-CoV-2 Beta underscores the antigenic distance to other variants. Cell Host and Microbe, 2022, 30, 53-68.e12.	5.1	52
43	Experience with anti-TNF-Î± therapy for orofacial granulomatosis. Journal of Oral Pathology and Medicine, 2011, 40, 14-19.	1.4	47
44	Estimating the burden of iron deficiency among African children. BMC Medicine, 2020, 18, 31.	2.3	47
45	A Neolithic expansion, but strong genetic structure, in the independent history of New Guinea. Science, 2017, 357, 1160-1163.	6.0	45
46	Optimizing the use of thiopurines in inflammatory bowel disease. Therapeutic Advances in Chronic Disease, 2015, 6, 138-146.	1.1	44
47	Validation of Multiplex Serology detecting human herpesviruses 1-5. PLoS ONE, 2018, 13, e0209379.	1.1	39
48	Searching for the human genetic factors standing in the way of universally effective vaccines. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140341.	1.8	38
49	Iron Status and Associated Malaria Risk Among African Children. Clinical Infectious Diseases, 2019, 68, 1807-1814.	2.9	38
50	Malaria is a cause of iron deficiency in African children. Nature Medicine, 2021, 27, 653-658.	15.2	35
51	Conservation, Extensive Heterozygosity, and Convergence of Signaling Potential All Indicate a Critical Role for KIR3DL3 in Higher Primates. Frontiers in Immunology, 2019, 10, 24.	2.2	31
52	Reduced Ebola vaccine responses in CMV+ young adults is associated with expansion of CD57+KLRG1+ T cells. Journal of Experimental Medicine, 2020, 217, .	4.2	31
53	Paths and timings of the peopling of Polynesia inferred from genomic networks. Nature, 2021, 597, 522-526.	13.7	31
54	The suboptimal fibrinolytic response in COVIDâ€19 is dictated by high PAIâ€1. Journal of Thrombosis and Haemostasis, 2022, 20, 2394-2406.	1.9	30

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55	Identification of hostâ€“pathogen-disease relationships using a scalable multiplex serology platform in UK Biobank. Nature Communications, 2022, 13, 1818.	5.8	28
56	A loss-of-function IFNAR1 allele in Polynesia underlies severe viral diseases in homozygotes. Journal of Experimental Medicine, 2022, 219, .	4.2	28
57	Distinct genetic architectures and environmental factors associate with host response to the Î²2-herpesvirus infections. Nature Communications, 2020, 11, 3849.	5.8	24
58	Fatal COVID-19 outcomes are associated with an antibody response targeting epitopes shared with endemic coronaviruses. JCI Insight, 2022, 7, .	2.3	24
59	Genome-Wide Association Study Reveals Genetic Link between Diarrhea-Associated Entamoeba histolytica Infection and Inflammatory Bowel Disease. MBio, 2018, 9, .	1.8	23
60	Multiplex genomewide association analysis of breast milk fatty acid composition extends the phenotypic association and potential selection of FADS1 variants to arachidonic acid, a critical infant micronutrient. Journal of Medical Genetics, 2018, 55, 459-468.	1.5	22
61	Characterization of human papillomavirus (HPV) 16 E6 seropositive individuals without HPV-associated malignancies after 10 years of follow-up in the UK Biobank. EBioMedicine, 2020, 62, 103123.	2.7	21
62	The First Norovirus Longitudinal Seroepidemiological Study From Sub-Saharan Africa Reveals High Seroprevalence of Diverse Genotypes Associated With Host Susceptibility Factors. Journal of Infectious Diseases, 2018, 218, 716-725.	1.9	20
63	The ferroportin Q248H mutation protects from anemia, but not malaria or bacteremia. Science Advances, 2019, 5, eaaw0109.	4.7	20
64	Genome-Wide Association Study of Cryptosporidiosis in Infants Implicates PRKCA. MBio, 2020, 11, .	1.8	20
65	Divergent trajectories of antiviral memory after SARS-CoV-2 infection. Nature Communications, 2022, 13, 1251.	5.8	20
66	Validation of Multiplex Serology for human hepatitis viruses B and C, human T-lymphotropic virus 1 and Toxoplasma gondii. PLoS ONE, 2019, 14, e0210407.	1.1	18
67	The impact of prenatal exposure to parasitic infections and to anthelminthic treatment on antibody responses to routine immunisations given in infancy: Secondary analysis of a randomised controlled trial. PLoS Neglected Tropical Diseases, 2017, 11, e0005213.	1.3	18
68	Prevalence and predictors of vitamin D deficiency in young African children. BMC Medicine, 2021, 19, 115.	2.3	17
69	Discovery and validation of a three-gene signature to distinguish COVID-19 and other viral infections in emergency infectious disease presentations: a case-control and observational cohort study. Lancet Microbe, The, 2021, 2, e594-e603.	3.4	17
70	SARS-CoV-2 antibody prevalence, titres and neutralising activity in an antenatal cohort, United Kingdom, 14 April to 15 June 2020. Eurosurveillance, 2020, 25, .	3.9	17
71	A genomeâ€wide association and replication study of blood pressure in Ugandan early adolescents. Molecular Genetics & Genomic Medicine, 2019, 7, e00950.	0.6	15
72	Genetic Association Analysis Reveals Differences in the Contribution of NOD2 Variants to the Clinical Phenotypes of Orofacial Granulomatosis. Inflammatory Bowel Diseases, 2016, 22, 1552-1558.	0.9	13

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73	Ancient DNA reveals five streams of migration into Micronesia and matrilocality in early Pacific seafarers. Science, 2022, 377, 72-79.	6.0	13
74	Is it all cerebral toxoplasmosis?. Lancet, The, 2012, 379, 286.	6.3	12
75	Defects in mTR stability and telomerase activity produced by the Dkc1 A353V mutation in dyskeratosis congenita are rescued by a peptide from the dyskerin TruB domain. Clinical and Translational Oncology, 2012, 14, 755-763.	1.2	12
76	Genetic variation in VAC14 is associated with bacteremia secondary to diverse pathogens in African children. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3601-E3603.	3.3	12
77	Host Genome-Wide Association Study of Infant Susceptibility toShigella-Associated Diarrhea. Infection and Immunity, 2021, 89, .	1.0	12
78	Human Cytomegalovirus and Risk of Incident Cardiovascular Disease in United Kingdom Biobank. Journal of Infectious Diseases, 2022, 225, 1179-1188.	1.9	12
79	Genetic, lifestyle, and health-related characteristics of adults without celiac disease who follow a gluten-free diet: a population-based study of 124,447 participants. American Journal of Clinical Nutrition, 2021, 113, 622-629.	2.2	12
80	Vitamin D Deficiency and Its Association with Iron Deficiency in African Children. Nutrients, 2022, 14, 1372.	1.7	10
81	Blood pressure risk factors in early adolescents: results from a Ugandan birth cohort. Journal of Human Hypertension, 2019, 33, 679-692.	1.0	9
82	The Human Leukocyte Antigen Locus and Rheumatic Heart Disease Susceptibility in South Asians and Europeans. Scientific Reports, 2020, 10, 9004.	1.6	9
83	Human genomics of the humoral immune response against polyomaviruses. Virus Evolution, 2021, 7, veab058.	2.2	9
84	Iron Deficiency Is Associated With Reduced Levels of Plasmodium falciparum-specific Antibodies in African Children. Clinical Infectious Diseases, 2020, 73, 43-49.	2.9	8
85	Serum calprotectin is not an independent predictor of severe COVID-19 in ambulatory adult patients. Journal of Infection, 2022, 84, e27-e29.	1.7	7
86	Imputation Performance in Latin American Populations: Improving Rare Variants Representation With the Inclusion of Native American Genomes. Frontiers in Genetics, 2021, 12, 719791.	1.1	7
87	Cohort study protocol: Bioresource in Adult Infectious Diseases (BioAID). Wellcome Open Research, 2018, 3, 97.	0.9	6
88	Elevated risk of invasive group A streptococcal disease and host genetic variation in the human leucocyte antigen locus. Genes and Immunity, 2020, 21, 63-70.	2.2	5
89	Genome-Wide Association Study of Campylobacter - Positive Diarrhea Identifies Genes Involved in Toxin Processing and Inflammatory Response. MBio, 2022, 13, e0055622.	1.8	5
90	Sero-prevalence of 19 infectious pathogens and associated factors among middle-aged and elderly Chinese adults: a cross-sectional study. BMJ Open, 2022, 12, e058353.	0.8	5

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91	Yellow fever vaccine-associated viscerotropic disease in a 62-year-old British traveller: a case report. Journal of Travel Medicine, 2020, 27, .	1.4	3
92	Discovery and Validation of a 3-Gene Transcriptional Signature to Distinguish COVID-19 and Other Viral Infections from Bacterial Sepsis in Adults; A Case-Control then Observational Cohort Study. SSRN Electronic Journal, 0, , .	0.4	3
93	Pre-existing asthma as a comorbidity does not modify cytokine responses and severity of COVID-19. Allergy, Asthma and Clinical Immunology, 2021, 17, 67.	0.9	3
94	Reduced Neutralization of SARS-CoV-2 B.1.1.7 Variant from Naturally Acquired and Vaccine Induced Antibody Immunity. SSRN Electronic Journal, 0, , .	0.4	2
95	In vivo negative regulation of SARS-CoV-2 receptor, ACE2, by interferons and its genetic control. Wellcome Open Research, 0, 6, 47.	0.9	2
96	ÂÂÂThe Antigenic Anatomy of SARS-CoV-2 Receptor Binding Domain. SSRN Electronic Journal, 0, , .	0.4	2
97	Implementation and Extended Evaluation of the Euroimmun Anti-SARS-CoV-2 IgG Assay and Its Contribution to the United Kingdomâ€™s COVID-19 Public Health Response. Microbiology Spectrum, 2022, 10, e0228921.	1.2	2
98	Why do breakthrough COVID-19 infections occur in the vaccinated?. QJM - Monthly Journal of the Association of Physicians, 2022, 115, 67-68.	0.2	2
99	Vitamin D Deficiency in Young African Children. SSRN Electronic Journal, 0, , .	0.4	1
100	A mass in the liver. BMJ, The, 2013, 346, f2036-f2036.	3.0	0
101	OUP accepted manuscript. Journal of Infectious Diseases, 2021, , .	1.9	0
102	Response to Letter to the Editor by Ish et al. entitled â€˜COVID-19 vaccine equityâ€”the need of the hourâ€™. QJM - Monthly Journal of the Association of Physicians, 2022, , .	0.2	0