

Alex J Mentzer

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

13,591
citations

57758

44
h-index

38395

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. <i>Lancet, The</i> , 2020, 396, 467-478.	13.7	2,080
2	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
3	Evidence of escape of SARS-CoV-2 variant B.1.351 from natural and vaccine-induced sera. <i>Cell</i> , 2021, 184, 2348-2361.e6.	28.9	936
4	SARS-CoV-2 Omicron-B.1.1.529 leads to widespread escape from neutralizing antibody responses. <i>Cell</i> , 2022, 185, 467-484.e15.	28.9	788
5	Reduced neutralization of SARS-CoV-2 B.1.617 by vaccine and convalescent serum. <i>Cell</i> , 2021, 184, 4220-4236.e13.	28.9	630
6	Antibody escape of SARS-CoV-2 Omicron BA.4 and BA.5 from vaccine and BA.1 serum. <i>Cell</i> , 2022, 185, 2422-2433.e13.	28.9	532
7	Antibody evasion by the P.1 strain of SARS-CoV-2. <i>Cell</i> , 2021, 184, 2939-2954.e9.	28.9	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. <i>Nature Medicine</i> , 2021, 27, 270-278.	30.7	473
9	Reduced neutralization of SARS-CoV-2 B.1.1.7 variant by convalescent and vaccine sera. <i>Cell</i> , 2021, 184, 2201-2211.e7.	28.9	442
10	A genomic history of Aboriginal Australia. <i>Nature</i> , 2016, 538, 207-214.	27.8	439
11	Performance characteristics of five immunoassays for SARS-CoV-2: a head-to-head benchmark comparison. <i>Lancet Infectious Diseases, The</i> , 2020, 20, 1390-1400.	9.1	336
12	The antigenic anatomy of SARS-CoV-2 receptor binding domain. <i>Cell</i> , 2021, 184, 2183-2200.e22.	28.9	331
13	Phase 1/2 trial of SARS-CoV-2 vaccine ChAdOx1 nCoV-19 with a booster dose induces multifunctional antibody responses. <i>Nature Medicine</i> , 2021, 27, 279-288.	30.7	265
14	Immunogenicity of standard and extended dosing intervals of BNT162b2 mRNA vaccine. <i>Cell</i> , 2021, 184, 5699-5714.e11.	28.9	262
15	Long reads: their purpose and place. <i>Human Molecular Genetics</i> , 2018, 27, R234-R241.	2.9	249
16	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
17	Differential occupational risks to healthcare workers from SARS-CoV-2 observed during a prospective observational study. <i>ELife</i> , 2020, 9, .	6.0	196
18	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

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19	Development and validation of the ISARIC 4C Deterioration model for adults hospitalised with COVID-19: a prospective cohort study. <i>Lancet Respiratory Medicine</i> , 2021, 9, 349-359.	10.7	161
20	Uganda Genome Resource Enables Insights into Population History and Genomic Discovery in Africa. <i>Cell</i> , 2019, 179, 984-1002.e36.	28.9	152
21	Two doses of SARS-CoV-2 vaccination induce robust immune responses to emerging SARS-CoV-2 variants of concern. <i>Nature Communications</i> , 2021, 12, 5061.	12.8	150
22	T-cell and antibody responses to first BNT162b2 vaccine dose in previously infected and SARS-CoV-2-naïve UK health-care workers: a multicentre prospective cohort study. <i>Lancet Microbe</i> , 2022, 3, e21-e31.	7.3	131
23	SARS-CoV-2 RNA detected in blood products from patients with COVID-19 is not associated with infectious virus. <i>Wellcome Open Research</i> , 2020, 5, 181.	1.8	122
24	Association between a common immunoglobulin heavy chain allele and rheumatic heart disease risk in Oceania. <i>Nature Communications</i> , 2017, 8, 14946.	12.8	114
25	An immunodominant NP105-113-B*07:02 cytotoxic T cell response controls viral replication and is associated with less severe COVID-19 disease. <i>Nature Immunology</i> , 2022, 23, 50-61.	14.5	110
26	Th1/Th17 polarization persists following whole-cell pertussis vaccination despite repeated acellular boosters. <i>Journal of Clinical Investigation</i> , 2018, 128, 3853-3865.	8.2	107
27	Potent cross-reactive antibodies following Omicron breakthrough in vaccinees. <i>Cell</i> , 2022, 185, 2116-2131.e18.	28.9	105
28	T cell assays differentiate clinical and subclinical SARS-CoV-2 infections from cross-reactive antiviral responses. <i>Nature Communications</i> , 2021, 12, 2055.	12.8	102
29	Distinguishing orofacial granulomatosis from crohn's disease: Two separate disease entities?. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 2109-2115.	1.9	100
30	Host genetics and infectious disease: new tools, insights and translational opportunities. <i>Nature Reviews Genetics</i> , 2021, 22, 137-153.	16.3	98
31	Language continuity despite population replacement in Remote Oceania. <i>Nature Ecology and Evolution</i> , 2018, 2, 731-740.	7.8	91
32	Population Turnover in Remote Oceania Shortly after Initial Settlement. <i>Current Biology</i> , 2018, 28, 1157-1165.e7.	3.9	91
33	HLA*LA HLA typing from linearly projected graph alignments. <i>Bioinformatics</i> , 2019, 35, 4394-4396.	4.1	88
34	High-Accuracy HLA Type Inference from Whole-Genome Sequencing Data Using Population Reference Graphs. <i>PLoS Computational Biology</i> , 2016, 12, e1005151.	3.2	87
35	Joint sequencing of human and pathogen genomes reveals the genetics of pneumococcal meningitis. <i>Nature Communications</i> , 2019, 10, 2176.	12.8	83
36	SARS-CoV-2 RNA detected in blood products from patients with COVID-19 is not associated with infectious virus. <i>Wellcome Open Research</i> , 2020, 5, 181.	1.8	81

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37	Native American gene flow into Polynesia predating Easter Island settlement. <i>Nature</i> , 2020, 583, 572-577.	27.8	64
38	Detection of neutralising antibodies to SARS-CoV-2 to determine population exposure in Scottish blood donors between March and May 2020. <i>Eurosurveillance</i> , 2020, 25, .	7.0	64
39	The impact of viral mutations on recognition by SARS-CoV-2 specific T ^H cells. <i>iScience</i> , 2021, 24, 103353.	4.1	57
40	Antibodies Against <i>Chlamydia trachomatis</i> and Ovarian Cancer Risk in Two Independent Populations. <i>Journal of the National Cancer Institute</i> , 2019, 111, 129-136.	6.3	56
41	A haemagglutination test for rapid detection of antibodies to SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 1951.	12.8	54
42	The antibody response to SARS-CoV-2 Beta underscores the antigenic distance to other variants. <i>Cell Host and Microbe</i> , 2022, 30, 53-68.e12.	11.0	52
43	Experience with anti-TNF- α therapy for orofacial granulomatosis. <i>Journal of Oral Pathology and Medicine</i> , 2011, 40, 14-19.	2.7	47
44	Estimating the burden of iron deficiency among African children. <i>BMC Medicine</i> , 2020, 18, 31.	5.5	47
45	A Neolithic expansion, but strong genetic structure, in the independent history of New Guinea. <i>Science</i> , 2017, 357, 1160-1163.	12.6	45
46	Optimizing the use of thiopurines in inflammatory bowel disease. <i>Therapeutic Advances in Chronic Disease</i> , 2015, 6, 138-146.	2.5	44
47	Validation of Multiplex Serology detecting human herpesviruses 1-5. <i>PLoS ONE</i> , 2018, 13, e0209379.	2.5	39
48	Searching for the human genetic factors standing in the way of universally effective vaccines. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140341.	4.0	38
49	Iron Status and Associated Malaria Risk Among African Children. <i>Clinical Infectious Diseases</i> , 2019, 68, 1807-1814.	5.8	38
50	Malaria is a cause of iron deficiency in African children. <i>Nature Medicine</i> , 2021, 27, 653-658.	30.7	35
51	Conservation, Extensive Heterozygosity, and Convergence of Signaling Potential All Indicate a Critical Role for KIR3DL3 in Higher Primates. <i>Frontiers in Immunology</i> , 2019, 10, 24.	4.8	31
52	Reduced Ebola vaccine responses in CMV+ young adults is associated with expansion of CD57+KLRG1+ T cells. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	31
53	Paths and timings of the peopling of Polynesia inferred from genomic networks. <i>Nature</i> , 2021, 597, 522-526.	27.8	31
54	The suboptimal fibrinolytic response in COVID-19 is dictated by high PAI-1. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 2394-2406.	3.8	30

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55	Identification of host–pathogen-disease relationships using a scalable multiplex serology platform in UK Biobank. <i>Nature Communications</i> , 2022, 13, 1818.	12.8	28
56	A loss-of-function <i>IFNAR1</i> allele in Polynesia underlies severe viral diseases in homozygotes. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	28
57	Distinct genetic architectures and environmental factors associate with host response to the β 2-herpesvirus infections. <i>Nature Communications</i> , 2020, 11, 3849.	12.8	24
58	Fatal COVID-19 outcomes are associated with an antibody response targeting epitopes shared with endemic coronaviruses. <i>JCI Insight</i> , 2022, 7, .	5.0	24
59	Genome-Wide Association Study Reveals Genetic Link between Diarrhea-Associated <i>Entamoeba histolytica</i> Infection and Inflammatory Bowel Disease. <i>MBio</i> , 2018, 9, .	4.1	23
60	Multiplex genome-wide association analysis of breast milk fatty acid composition extends the phenotypic association and potential selection of <i>FADS1</i> variants to arachidonic acid, a critical infant micronutrient. <i>Journal of Medical Genetics</i> , 2018, 55, 459-468.	3.2	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. <i>EBioMedicine</i> , 2020, 62, 103123.	6.1	21
62	The First Norovirus Longitudinal Seroepidemiological Study From Sub-Saharan Africa Reveals High Seroprevalence of Diverse Genotypes Associated With Host Susceptibility Factors. <i>Journal of Infectious Diseases</i> , 2018, 218, 716-725.	4.0	20
63	The ferroportin Q248H mutation protects from anemia, but not malaria or bacteremia. <i>Science Advances</i> , 2019, 5, eaaw0109.	10.3	20
64	Genome-Wide Association Study of Cryptosporidiosis in Infants Implicates <i>PRKCA</i> . <i>MBio</i> , 2020, 11, .	4.1	20
65	Divergent trajectories of antiviral memory after SARS-CoV-2 infection. <i>Nature Communications</i> , 2022, 13, 1251.	12.8	20
66	Validation of Multiplex Serology for human hepatitis viruses B and C, human T-lymphotropic virus 1 and <i>Toxoplasma gondii</i> . <i>PLoS ONE</i> , 2019, 14, e0210407.	2.5	18
67	The impact of prenatal exposure to parasitic infections and to anthelmintic treatment on antibody responses to routine immunisations given in infancy: Secondary analysis of a randomised controlled trial. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005213.	3.0	18
68	Prevalence and predictors of vitamin D deficiency in young African children. <i>BMC Medicine</i> , 2021, 19, 115.	5.5	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. <i>Lancet Microbe</i> , The, 2021, 2, e594-e603.	7.3	17
70	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
71	A genome-wide association and replication study of blood pressure in Ugandan early adolescents. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e00950.	1.2	15
72	Genetic Association Analysis Reveals Differences in the Contribution of NOD2 Variants to the Clinical Phenotypes of Orofacial Granulomatosis. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 1552-1558.	1.9	13

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73	Ancient DNA reveals five streams of migration into Micronesia and matrilocality in early Pacific seafarers. <i>Science</i> , 2022, 377, 72-79.	12.6	13
74	Is it all cerebral toxoplasmosis?. <i>Lancet, The</i> , 2012, 379, 286.	13.7	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. <i>Clinical and Translational Oncology</i> , 2012, 14, 755-763.	2.4	12
76	Genetic variation in VAC14 is associated with bacteremia secondary to diverse pathogens in African children. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3601-E3603.	7.1	12
77	Host Genome-Wide Association Study of Infant Susceptibility to <i>Shigella</i> -Associated Diarrhea. <i>Infection and Immunity</i> , 2021, 89, .	2.2	12
78	Human Cytomegalovirus and Risk of Incident Cardiovascular Disease in United Kingdom Biobank. <i>Journal of Infectious Diseases</i> , 2022, 225, 1179-1188.	4.0	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. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 622-629.	4.7	12
80	Vitamin D Deficiency and Its Association with Iron Deficiency in African Children. <i>Nutrients</i> , 2022, 14, 1372.	4.1	10
81	Blood pressure risk factors in early adolescents: results from a Ugandan birth cohort. <i>Journal of Human Hypertension</i> , 2019, 33, 679-692.	2.2	9
82	The Human Leukocyte Antigen Locus and Rheumatic Heart Disease Susceptibility in South Asians and Europeans. <i>Scientific Reports</i> , 2020, 10, 9004.	3.3	9
83	Human genomics of the humoral immune response against polyomaviruses. <i>Virus Evolution</i> , 2021, 7, veab058.	4.9	9
84	Iron Deficiency Is Associated With Reduced Levels of Plasmodium falciparum-specific Antibodies in African Children. <i>Clinical Infectious Diseases</i> , 2020, 73, 43-49.	5.8	8
85	Serum calprotectin is not an independent predictor of severe COVID-19 in ambulatory adult patients. <i>Journal of Infection</i> , 2022, 84, e27-e29.	3.3	7
86	Imputation Performance in Latin American Populations: Improving Rare Variants Representation With the Inclusion of Native American Genomes. <i>Frontiers in Genetics</i> , 2021, 12, 719791.	2.3	7
87	Cohort study protocol: Bioresource in Adult Infectious Diseases (BioAID). <i>Wellcome Open Research</i> , 2018, 3, 97.	1.8	6
88	Elevated risk of invasive group A streptococcal disease and host genetic variation in the human leucocyte antigen locus. <i>Genes and Immunity</i> , 2020, 21, 63-70.	4.1	5
89	Genome-Wide Association Study of Campylobacter Positive Diarrhea Identifies Genes Involved in Toxin Processing and Inflammatory Response. <i>MBio</i> , 2022, 13, e0055622.	4.1	5
90	Sero-prevalence of 19 infectious pathogens and associated factors among middle-aged and elderly Chinese adults: a cross-sectional study. <i>BMJ Open</i> , 2022, 12, e058353.	1.9	5

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91	Yellow fever vaccine-associated viscerotropic disease in a 62-year-old British traveller: a case report. <i>Journal of Travel Medicine</i> , 2020, 27, .	3.0	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. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
93	Pre-existing asthma as a comorbidity does not modify cytokine responses and severity of COVID-19. <i>Allergy, Asthma and Clinical Immunology</i> , 2021, 17, 67.	2.0	3
94	Reduced Neutralization of SARS-CoV-2 B.1.1.7 Variant from Naturally Acquired and Vaccine Induced Antibody Immunity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
95	In vivo negative regulation of SARS-CoV-2 receptor, ACE2, by interferons and its genetic control. <i>Wellcome Open Research</i> , 0, 6, 47.	1.8	2
96	ÂÂÂThe Antigenic Anatomy of SARS-CoV-2 Receptor Binding Domain. <i>SSRN Electronic Journal</i> , 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. <i>Microbiology Spectrum</i> , 2022, 10, e0228921.	3.0	2
98	Why do breakthrough COVID-19 infections occur in the vaccinated?. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2022, 115, 67-68.	0.5	2
99	Vitamin D Deficiency in Young African Children. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
100	A mass in the liver. <i>BMJ, The</i> , 2013, 346, f2036-f2036.	6.0	0
101	OUP accepted manuscript. <i>Journal of Infectious Diseases</i> , 2021, , .	4.0	0
102	Response to Letter to the Editor by Ish et al. entitled â€œCOVID-19 vaccine equityâ€the need of the hourâ€™. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2022, , .	0.5	0