Alex J Mentzer

List of Publications by Year in Descending Order

107 papers	6,714 citations	36 h-index	81 g-index
132 ext. papers	10,990 ext. citations	17.4 avg, IF	5.35 L-index

#	Paper	IF	Citations
107	SARS-CoV-2 Omicron-B.1.1.529 leads to widespread escape from neutralizing antibody responses.. *Cell*, **2022**,	56.2	154
106	Implementation and Extended Evaluation of the Euroimmun Anti-SARS-CoV-2 IgG Assay and Its Contribution to the United Kingdom COVID-19 Public Health Response.. *Microbiology Spectrum*, **2022**, 10, e0228921	8.9	
105	Divergent trajectories of antiviral memory after SARS-CoV-2 infection.. *Nature Communications*, **2022**, 13, 1251	17.4	1
104	Identification of host-pathogen-disease relationships using a scalable multiplex serology platform in UK Biobank.. *Nature Communications*, **2022**, 13, 1818	17.4	1
103	Genome-Wide Association Study of CampylobacterPositive Diarrhea Identifies Genes Involved in Toxin Processing and Inflammatory Response.. *MBio*, **2022**, e0055622	7.8	0
102	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	3	0
101	Iron Deficiency Is Associated With Reduced Levels of Plasmodium falciparum-specific Antibodies in African Children. *Clinical Infectious Diseases*, **2021**, 73, 43-49	11.6	3
100	Imputation Performance in Latin American Populations: Improving Rare Variants Representation With the Inclusion of Native American Genomes.. *Frontiers in Genetics*, **2021**, 12, 719791	4.5	0
99	Omicron-B.1.1.529 leads to widespread escape from neutralizing antibody responses. **2021**,		25
98	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*, **2021**,	22.2	29
97	Serum calprotectin is not an independent predictor of severe COVID-19 in ambulatory adult patients. *Journal of Infection*, **2021**,	18.9	3
96	The antibody response to SARS-CoV-2 Beta underscores the antigenic distance to other variants.. *Cell Host and Microbe*, **2021**,	23.4	14
95	An immunodominant NP-B*07:02 cytotoxic T cell response controls viral replication and is associated with less severe COVID-19 disease. *Nature Immunology*, **2021**,	19.1	19
94	Immunogenicity of standard and extended dosing intervals of BNT162b2 mRNA vaccine. *Cell*, **2021**, 184, 5699-5714.e11	56.2	64
93	The impact of viral mutations on recognition by SARS-CoV-2 specific T cells. *IScience*, **2021**, 24, 103353	6.1	12
92	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	7	6
91	A haemagglutination test for rapid detection of antibodies to SARS-CoV-2. *Nature Communications*, **2021**, 12, 1951	17.4	25

90	T cell assays differentiate clinical and subclinical SARS-CoV-2 infections from cross-reactive antiviral responses. *Nature Communications*, **2021**, 12, 2055	17.4	37
89	The antigenic anatomy of SARS-CoV-2 receptor binding domain. *Cell*, **2021**, 184, 2183-2200.e22	56.2	145
88	Evidence of escape of SARS-CoV-2 variant B.1.351 from natural and vaccine-induced sera. *Cell*, **2021** , 184, 2348-2361.e6	56.2	549
87	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	35.1	70
86	Reduced neutralization of SARS-CoV-2 B.1.1.7 variant by convalescent and vaccine sera. *Cell*, **2021**, 184, 2201-2211.e7	56.2	269
85	Host Genome-Wide Association Study of Infant Susceptibility to -Associated Diarrhea. *Infection and Immunity*, **2021**, 89,	3.7	3
84	Antibody evasion by the P.1 strain of SARS-CoV-2. *Cell*, **2021**, 184, 2939-2954.e9	56.2	281
83	Prevalence and predictors of vitamin D deficiency in young African children. *BMC Medicine*, **2021**, 19, 115	11.4	1
82	Human genomics of the humoral immune response against polyomaviruses. *Virus Evolution*, **2021**, 7, veab058	3.7	1
81	Pre-existing asthma as a comorbidity does not modify cytokine responses and severity of COVID-19. *Allergy, Asthma and Clinical Immunology*, **2021**, 17, 67	3.2	2
80	Host genetics and infectious disease: new tools, insights and translational opportunities. *Nature Reviews Genetics*, **2021**, 22, 137-153	30.1	27
79	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	50.5	135
78	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	50.5	225
77	Malaria is a cause of iron deficiency in African children. *Nature Medicine*, **2021**, 27, 653-658	50.5	8
76	Human cytomegalovirus and risk of incident cardiovascular disease in UK Biobank. *Journal of Infectious Diseases*, **2021**,	7	1
75	Reduced neutralization of SARS-CoV-2 B.1.617 by vaccine and convalescent serum. *Cell*, **2021**, 184, 4220-4236.e13	56.2	196
74	Two doses of SARS-CoV-2 vaccination induce robust immune responses to emerging SARS-CoV-2 variants of concern. *Nature Communications*, **2021**, 12, 5061	17.4	42
73	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	22.2	5

72	Paths and timings of the peopling of Polynesia inferred from genomic networks. *Nature*, **2021**, 597, 522-526	34.4	9
71	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	11.6	120
70	Genome-Wide Association Study of Cryptosporidiosis in Infants Implicates. *MBio*, **2020**, 11,	7.8	12
69	The Human Leukocyte Antigen Locus and Rheumatic Heart Disease Susceptibility in South Asians and Europeans. *Scientific Reports*, **2020**, 10, 9004	4.9	2
68	Estimating the burden of iron deficiency among African children. *BMC Medicine*, **2020**, 18, 31	11.4	21
67	Native American gene flow into Polynesia predating Easter Island settlement. *Nature*, **2020**, 583, 572-577	30.4	28
66	Yellow fever vaccine-associated viscerotropic disease in a 62-year-old British traveller: a case report. *Journal of Travel Medicine*, **2020**, 27,	12.9	1
65	Antibody testing for COVID-19: A report from the National COVID Scientific Advisory Panel. *Wellcome Open Research*, **2020**, 5, 139	4.8	120
64	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	4.8	38
63	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	4.8	60
62	SARS-CoV-2 antibody prevalence, titres and neutralising activity in an antenatal cohort, United Kingdom, 14 April to 15 June 2020. *Eurosurveillance*, **2020**, 25,	19.8	9
61	Detection of neutralising antibodies to SARS-CoV-2 to determine population exposure in Scottish blood donors between March and May 2020. *Eurosurveillance*, **2020**, 25,	19.8	36
60	Differential occupational risks to healthcare workers from SARS-CoV-2 observed during a prospective observational study. *ELife*, **2020**, 9,	8.9	122
59	Author response: Differential occupational risks to healthcare workers from SARS-CoV-2 observed during a prospective observational study **2020**,		4
58	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	40	1274
57	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	8.8	10
56	Distinct genetic architectures and environmental factors associate with host response to the -herpesvirus infections. *Nature Communications*, **2020**, 11, 3849	17.4	9
55	Reduced Ebola vaccine responses in CMV+ young adults is associated with expansion of CD57+KLRG1+ T cells. *Journal of Experimental Medicine*, **2020**, 217,	16.6	15

54	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	19.1	615
53	Performance characteristics of five immunoassays for SARS-CoV-2: a head-to-head benchmark comparison. *Lancet Infectious Diseases, The*, **2020**, 20, 1390-1400	25.5	212
52	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	4.4	3
51	The ferroportin Q248H mutation protects from anemia, but not malaria or bacteremia. *Science Advances*, **2019**, 5, eaaw0109	14.3	13
50	Joint sequencing of human and pathogen genomes reveals the genetics of pneumococcal meningitis. *Nature Communications*, **2019**, 10, 2176	17.4	37
49	HLA*LA-HLA typing from linearly projected graph alignments. *Bioinformatics*, **2019**, 35, 4394-4396	7.2	42
48	Conservation, Extensive Heterozygosity, and Convergence of Signaling Potential All Indicate a Critical Role for KIR3DL3 in Higher Primates. *Frontiers in Immunology*, **2019**, 10, 24	8.4	13
47	Blood pressure risk factors in early adolescents: results from a Ugandan birth cohort. *Journal of Human Hypertension*, **2019**, 33, 679-692	2.6	6
46	Antibodies Against Chlamydia trachomatis and Ovarian Cancer Risk in Two Independent Populations. *Journal of the National Cancer Institute*, **2019**, 111, 129-136	9.7	38
45	A genome-wide association and replication study of blood pressure in Ugandan early adolescents. *Molecular Genetics & Genomic Medicine*, **2019**, 7, e00950	2.3	6
44	Uganda Genome Resource Enables Insights into Population History and Genomic Discovery in Africa. *Cell*, **2019**, 179, 984-1002.e36	56.2	76
43	Iron Status and Associated Malaria Risk Among African Children. *Clinical Infectious Diseases*, **2019**, 68, 1807-1814	11.6	19
42	Validation of Multiplex Serology for human hepatitis viruses B and C, human T-lymphotropic virus 1 and Toxoplasma gondii. *PLoS ONE*, **2019**, 14, e0210407	3.7	10
41	Language continuity despite population replacement in Remote Oceania. *Nature Ecology and Evolution*, **2018**, 2, 731-740	12.3	50
40	Multiplex genomewide association analysis of breast milk fatty acid composition extends the phenotypic association and potential selection of variants to arachidonic acid, a critical infant micronutrient. *Journal of Medical Genetics*, **2018**, 55, 459-468	5.8	12
39	Population Turnover in Remote Oceania Shortly after Initial Settlement. *Current Biology*, **2018**, 28, 1157-1165.e7	6.3	35
38	Genetic variation in 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	11.5	9
37	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	7	14

36	Th1/Th17 polarization persists following whole-cell pertussis vaccination despite repeated acellular boosters. *Journal of Clinical Investigation*, **2018**, 128, 3853-3865	15.9	61
35	Cohort study protocol: Bioresource in Adult Infectious Diseases (BioAID). *Wellcome Open Research*, **2018**, 3, 97	4.8	2
34	Validation of Multiplex Serology detecting human herpesviruses 1-5. *PLoS ONE*, **2018**, 13, e0209379	3.7	28
33	Genome-Wide Association Study Reveals Genetic Link between Diarrhea-Associated Entamoeba histolytica Infection and Inflammatory Bowel Disease. *MBio*, **2018**, 9,	7.8	16
32	Long reads: their purpose and place. *Human Molecular Genetics*, **2018**, 27, R234-R241	5.6	146
31	Association between a common immunoglobulin heavy chain allele and rheumatic heart disease risk in Oceania. *Nature Communications*, **2017**, 8, 14946	17.4	74
30	A Neolithic expansion, but strong genetic structure, in the independent history of New Guinea. *Science*, **2017**, 357, 1160-1163	33.3	29
29	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	4.8	16
28	A genomic history of Aboriginal Australia. *Nature*, **2016**, 538, 207-214	50.4	268
27	Genetic Association Analysis Reveals Differences in the Contribution of NOD2 Variants to the Clinical Phenotypes of Orofacial Granulomatosis. *Inflammatory Bowel Diseases*, **2016**, 22, 1552-8	4.5	9
26	High-Accuracy HLA Type Inference from Whole-Genome Sequencing Data Using Population Reference Graphs. *PLoS Computational Biology*, **2016**, 12, e1005151	5	60
25	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,	5.8	29
24	Optimizing the use of thiopurines in inflammatory bowel disease. *Therapeutic Advances in Chronic Disease*, **2015**, 6, 138-46	4.9	38
23	A mass in the liver. *BMJ, The*, **2013**, 346, f2036	5.9	
22	Is it all cerebral toxoplasmosis?. *Lancet, The*, **2012**, 379, 286	40	11
21	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, 755-63	3.6	10
20	Experience with anti-TNF-□therapy for orofacial granulomatosis. *Journal of Oral Pathology and Medicine*, **2011**, 40, 14-9	3.3	40
19	Distinguishing orofacial granulomatosis from crohn□ disease: two separate disease entities?. *Inflammatory Bowel Diseases*, **2011**, 17, 2109-15	4.5	86

18	The Antigenic Anatomy of SARS-CoV-2 Receptor Binding Domain. *SSRN Electronic Journal*,	1	2
17	Elevated risk of invasive group A streptococcal disease and host genetic variation in the human leukocyte antigen locus		1
16	The Human Leukocyte Antigen Locus and Susceptibility to Rheumatic Heart Disease in South Asians and Europeans		2
15	Identification of host-pathogen-disease relationships using a scalable Multiplex Serology platform in UK Biobank		11
14	Antibody testing for COVID-19: A report from the National COVID Scientific Advisory Panel		55
13	SARS-CoV-2 RNA detected in blood samples from patients with COVID-19 is not associated with infectious virus		10
12	Differential occupational risks to healthcare workers from SARS-CoV-2: A prospective observational study		6
11	T cell assays differentiate clinical and subclinical SARS-CoV-2 infections from cross-reactive antiviral responses		7
10	A haemagglutination test for rapid detection of antibodies to SARS-CoV-2		6
9	HLA*PRG:LA HLA typing from linearly projected graph alignments		2
8	Antibody evasion by the Brazilian P.1 strain of SARS-CoV-2		14
7	In vivo negative regulation of SARS-CoV-2 receptor, ACE2, by interferons and its genetic control. *Wellcome Open Research*,6, 47	4.8	0
6	The impact of viral mutations on recognition by SARS-CoV-2 specific T-cells		3
5	Fatal COVID-19 outcomes are associated with an antibody response targeting epitopes shared with endemic coronaviruses		6
4	A blood atlas of COVID-19 defines hallmarks of disease severity and specificity		4
3	Divergent trajectories of antiviral memory after SARS-Cov-2 infection		4
2	Reduced Neutralization of SARS-CoV-2 B.1.1.7 Variant from Naturally Acquired and Vaccine Induced Antibody Immunity. *SSRN Electronic Journal*,	1	2
1	Further antibody escape by Omicron BA.4 and BA.5 from vaccine and BA.1 serum		3