

Deborah Cromer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4921911/publications.pdf>

Version: 2024-02-01

54
papers

7,392
citations

257101

24
h-index

168136

53
g-index

68
all docs

68
docs citations

68
times ranked

11540
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutralizing antibody levels are highly predictive of immune protection from symptomatic SARS-CoV-2 infection. <i>Nature Medicine</i> , 2021, 27, 1205-1211.	15.2	3,133
2	Omicron extensively but incompletely escapes Pfizer BNT162b2 neutralization. <i>Nature</i> , 2022, 602, 654-656.	13.7	928
3	Neutralising antibody titres as predictors of protection against SARS-CoV-2 variants and the impact of boosting: a meta-analysis. <i>Lancet Microbe</i> , The, 2022, 3, e52-e61.	3.4	436
4	Evolution of immune responses to SARS-CoV-2 in mild-moderate COVID-19. <i>Nature Communications</i> , 2021, 12, 1162.	5.8	316
5	Prospects for durable immune control of SARS-CoV-2 and prevention of reinfection. <i>Nature Reviews Immunology</i> , 2021, 21, 395-404.	10.6	223
6	The burden of influenza in England by age and clinical risk group: A statistical analysis to inform vaccine policy. <i>Journal of Infection</i> , 2014, 68, 363-371.	1.7	199
7	Nanobody cocktails potently neutralize SARS-CoV-2 D614G N501Y variant and protect mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	109
8	Measuring immunity to SARS-CoV-2 infection: comparing assays and animal models. <i>Nature Reviews Immunology</i> , 2020, 20, 727-738.	10.6	107
9	Omicron extensively but incompletely escapes Pfizer BNT162b2 neutralization. <i>Nature</i> , 0, , .	13.7	104
10	Functional cure of HIV: the scale of the challenge. <i>Nature Reviews Immunology</i> , 2019, 19, 45-54.	10.6	93
11	Disentangling the relative importance of T cell responses in COVID-19: leading actors or supporting cast?. <i>Nature Reviews Immunology</i> , 2022, 22, 387-397.	10.6	93
12	HIV Reactivation from Latency after Treatment Interruption Occurs on Average Every 5-8 Days—Implications for HIV Remission. <i>PLoS Pathogens</i> , 2015, 11, e1005000.	2.1	92
13	Modeling the Dynamics of Plasmodium vivax Infection and Hypnozoite Reactivation In Vivo. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003595.	1.3	87
14	Clinical Assessment of Anti-Viral CD8+ T Cell Immune Monitoring Using QuantiFERON-CMV® Assay to Identify High Risk Allogeneic Hematopoietic Stem Cell Transplant Patients with CMV Infection Complications. <i>PLoS ONE</i> , 2013, 8, e74744.	1.1	78
15	Burden of paediatric respiratory syncytial virus disease and potential effect of different immunisation strategies: a modelling and cost-effectiveness analysis for England. <i>Lancet Public Health</i> , The, 2017, 2, e367-e374.	4.7	72
16	Preferential invasion of reticulocytes during late-stage Plasmodium berghei infection accounts for reduced circulating reticulocyte levels. <i>International Journal for Parasitology</i> , 2006, 36, 1389-1397.	1.3	69
17	Mice Deficient in the Putative Phospholipid Flippase ATP11C Exhibit Altered Erythrocyte Shape, Anemia, and Reduced Erythrocyte Life Span*. <i>Journal of Biological Chemistry</i> , 2014, 289, 19531-19537.	1.6	60
18	Decay of Fc-dependent antibody functions after mild to moderate COVID-19. <i>Cell Reports Medicine</i> , 2021, 2, 100296.	3.3	56

#	ARTICLE	IF	CITATIONS
19	Identifying Recombination Hot Spots in the HIV-1 Genome. <i>Journal of Virology</i> , 2014, 88, 2891-2902.	1.5	45
20	Heme oxygenase-1 deficiency alters erythroblastic island formation, steady-state erythropoiesis and red blood cell lifespan in mice. <i>Haematologica</i> , 2015, 100, 601-610.	1.7	39
21	Safety and Reproducibility of a Clinical Trial System Using Induced Blood Stage <i>Plasmodium vivax</i> Infection and Its Potential as a Model to Evaluate Malaria Transmission. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005139.	1.3	39
22	The magnitude and timing of recalled immunity after breakthrough infection is shaped by SARS-CoV-2 variants. <i>Immunity</i> , 2022, 55, 1316-1326.e4.	6.6	38
23	Platform for isolation and characterization of SARS-CoV-2 variants enables rapid characterization of Omicron in Australia. <i>Nature Microbiology</i> , 2022, 7, 896-908.	5.9	32
24	Fifteen to Twenty Percent of HIV Substitution Mutations Are Associated with Recombination. <i>Journal of Virology</i> , 2014, 88, 3837-3849.	1.5	31
25	Influencing public health policy with data-informed mathematical models of infectious diseases: Recent developments and new challenges. <i>Epidemics</i> , 2020, 32, 100393.	1.5	31
26	Low red cell production may protect against severe anemia during a malaria infection—Insights from modeling. <i>Journal of Theoretical Biology</i> , 2009, 257, 533-542.	0.8	28
27	Host-mediated impairment of parasite maturation during blood-stage <i>Plasmodium</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7701-7706.	3.3	27
28	Effect of Mature Blood-Stage <i>Plasmodium</i> Parasite Sequestration on Pathogen Biomass in Mathematical and <i>In Vivo</i> Models of Malaria. <i>Infection and Immunity</i> , 2014, 82, 212-220.	1.0	26
29	Within-host modeling of blood-stage malaria. <i>Immunological Reviews</i> , 2018, 285, 168-193.	2.8	26
30	Limited CD4+ T cell proliferation leads to preservation of CD4+ T cell counts in SIV-infected sooty mangabeys. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3773-3781.	1.2	24
31	Estimating the in-vivo HIV template switching and recombination rate. <i>Aids</i> , 2016, 30, 185-192.	1.0	21
32	Modeling of Experimental Data Supports HIV Reactivation from Latency after Treatment Interruption on Average Once Every 5–8 Days. <i>PLoS Pathogens</i> , 2016, 12, e1005740.	2.1	21
33	<i>Plasmodium</i> -specific antibodies block in vivo parasite growth without clearing infected red blood cells. <i>PLoS Pathogens</i> , 2019, 15, e1007599.	2.1	20
34	Relating In Vitro Neutralization Level and Protection in the CVnCoV (CUREVAC) Trial. <i>Clinical Infectious Diseases</i> , 2022, 75, e878-e879.	2.9	20
35	Characterising the effect of antimalarial drugs on the maturation and clearance of murine blood-stage <i>Plasmodium</i> parasites in vivo. <i>International Journal for Parasitology</i> , 2017, 47, 913-922.	1.3	19
36	Predictors of SIV recrudescence following antiretroviral treatment interruption. <i>ELife</i> , 2019, 8, .	2.8	18

#	ARTICLE	IF	CITATIONS
37	A novel fluorescent-based assay reveals that thrombopoietin signaling and Bcl-XL influence, respectively, platelet and erythrocyte lifespans. <i>Experimental Hematology</i> , 2010, 38, 453-461.e1.	0.2	15
38	Reduced erythrocyte susceptibility and increased host clearance of young parasites slows <i>Plasmodium</i> growth in a murine model of severe malaria. <i>Scientific Reports</i> , 2015, 5, 9412.	1.6	15
39	A general method to eliminate laboratory induced recombinants during massive, parallel sequencing of cDNA library. <i>Virology Journal</i> , 2015, 12, 55.	1.4	14
40	Quantifying Parameter and Structural Uncertainty of Dynamic Disease Transmission Models Using MCMC. <i>Medical Decision Making</i> , 2015, 35, 633-647.	1.2	13
41	Defining the Effectiveness of Antimalarial Chemotherapy: Investigation of the Lag in Parasite Clearance Following Drug Administration. <i>Journal of Infectious Diseases</i> , 2016, 214, 753-761.	1.9	13
42	Estimating Initial Viral Levels during Simian Immunodeficiency Virus/Human Immunodeficiency Virus Reactivation from Latency. <i>Journal of Virology</i> , 2018, 92, .	1.5	12
43	Modeling of Antilatency Treatment in HIV: What Is the Optimal Duration of Antiretroviral Therapy-Free HIV Remission?. <i>Journal of Virology</i> , 2017, 91, .	1.5	10
44	Where Have All the Parasites Gone? Modelling Early Malaria Parasite Sequestration Dynamics. <i>PLoS ONE</i> , 2013, 8, e55961.	1.1	9
45	Epitope-Specific CD8+T Cell Kinetics Rather than Viral Variability Determine the Timing of Immune Escape in Simian Immunodeficiency Virus Infection. <i>Journal of Immunology</i> , 2015, 194, 4112-4121.	0.4	9
46	HIV-1 Mutation and Recombination Rates Are Different in Macrophages and T-cells. <i>Viruses</i> , 2016, 8, 118.	1.5	9
47	A mechanistic model quantifies artemisinin-induced parasite growth retardation in blood-stage <i>Plasmodium falciparum</i> infection. <i>Journal of Theoretical Biology</i> , 2017, 430, 117-127.	0.8	9
48	Quantification of host-mediated parasite clearance during blood-stage <i>Plasmodium</i> infection and anti-malarial drug treatment in mice. <i>International Journal for Parasitology</i> , 2018, 48, 903-913.	1.3	8
49	How fast could HIV change gene frequencies in the human population?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1981-1989.	1.2	4
50	<i>In Silico</i> Investigation of the Decline in Clinical Efficacy of Artemisinin Combination Therapies Due to Increasing Artemisinin and Partner Drug Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	4
51	Balancing Statistical Power and Risk in HIV Cure Clinical Trial Design. <i>Journal of Infectious Diseases</i> , 2022, 226, 236-245.	1.9	2
52	Similarly efficacious anti-malarial drugs SJ733 and pyronaridine differ in their ability to remove circulating parasites in mice. <i>Malaria Journal</i> , 2022, 21, 49.	0.8	2
53	Impact of fluctuation in frequency of human immunodeficiency virus/simian immunodeficiency virus reactivation during antiretroviral therapy interruption. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200354.	1.2	1
54	Anemia, Shortened Erythrocyte Lifespan and Stomatocytosis In a Flippase Mutant Mouse Strain. <i>Blood</i> , 2013, 122, 2183-2183.	0.6	0