Deborah Cromer

List of Publications by Year
in descending order

54 papers	7,392 citations	257450 24 h-index	168389 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. Nature Medicine, 2021, 27, 1205-1211.	30.7	3,133
2	Omicron extensively but incompletely escapes Pfizer BNT162b2 neutralization. Nature, 2022, 602, 654-656.	27.8	928
3	Neutralising antibody titres as predictors of protection against SARS-CoV-2 variants and the impact of boosting: a meta-analysis. Lancet Microbe, The, 2022, 3, e52-e61.	7.3	436
4	Evolution of immune responses to SARS-CoV-2 in mild-moderate COVID-19. Nature Communications, 2021, 12, 1162.	12.8	316
5	Prospects for durable immune control of SARS-CoV-2 and prevention of reinfection. Nature Reviews Immunology, 2021, 21, 395-404.	22.7	223
6	The burden of influenza in England by age and clinical risk group: A statistical analysis to inform vaccine policy. Journal of Infection, 2014, 68, 363-371.	3.3	199
7	Nanobody cocktails potently neutralize SARS-CoV-2 D614G N501Y variant and protect mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	109
8	Measuring immunity to SARS-CoV-2 infection: comparing assays and animal models. Nature Reviews Immunology, 2020, 20, 727-738.	22.7	107
9	Omicron extensively but incompletely escapes Pfizer BNT162b2 neutralization. Nature, 0, , .	27.8	104
10	Functional cure of HIV: the scale of the challenge. Nature Reviews Immunology, 2019, 19, 45-54.	22.7	93
11	Disentangling the relative importance of T cell responses in COVID-19: leading actors or supporting cast?. Nature Reviews Immunology, 2022, 22, 387-397.	22.7	93
12	HIV Reactivation from Latency after Treatment Interruption Occurs on Average Every 5-8 Daysâ€"Implications for HIV Remission. PLoS Pathogens, 2015, 11, e1005000.	4.7	92
13	Modeling the Dynamics of Plasmodium vivax Infection and Hypnozoite Reactivation In Vivo. PLoS Neglected Tropical Diseases, 2015, 9, e0003595.	3.0	87
14	Clinical Assessment of Anti-Viral CD8+ T Cell Immune Monitoring Using QuantiFERON-CMVÂ® Assay to Identify High Risk Allogeneic Hematopoietic Stem Cell Transplant Patients with CMV Infection Complications. PLoS ONE, 2013, 8, e74744.	2.5	78
15	Burden of paediatric respiratory syncytial virus disease and potential effect of different immunisation strategies: a modelling and cost-effectiveness analysis for England. Lancet Public Health, The, 2017, 2, e367-e374.	10.0	72
16	Preferential invasion of reticulocytes during late-stage Plasmodium berghei infection accounts for reduced circulating reticulocyte levels. International Journal for Parasitology, 2006, 36, 1389-1397.	3.1	69
17	Mice Deficient in the Putative Phospholipid Flippase ATP11C Exhibit Altered Erythrocyte Shape, Anemia, and Reduced Erythrocyte Life Span*. Journal of Biological Chemistry, 2014, 289, 19531-19537.	3.4	60
18	Decay of Fc-dependent antibody functions after mild to moderate COVID-19. Cell Reports Medicine, 2021, 2, 100296.	6.5	56

#	Article	IF	Citations
19	Identifying Recombination Hot Spots in the HIV-1 Genome. Journal of Virology, 2014, 88, 2891-2902.	3.4	45
20	Heme oxygenase-1 deficiency alters erythroblastic island formation, steady-state erythropoiesis and red blood cell lifespan in mice. Haematologica, 2015, 100, 601-610.	3.5	39
21	Safety and Reproducibility of a Clinical Trial System Using Induced Blood Stage Plasmodium vivax Infection and Its Potential as a Model to Evaluate Malaria Transmission. PLoS Neglected Tropical Diseases, 2016, 10, e0005139.	3.0	39
22	The magnitude and timing of recalled immunity after breakthrough infection is shaped by SARS-CoV-2 variants. Immunity, 2022, 55, 1316-1326.e4.	14.3	38
23	Platform for isolation and characterization of SARS-CoV-2 variants enables rapid characterization of Omicron in Australia. Nature Microbiology, 2022, 7, 896-908.	13.3	32
24	Fifteen to Twenty Percent of HIV Substitution Mutations Are Associated with Recombination. Journal of Virology, 2014, 88, 3837-3849.	3.4	31
25	Influencing public health policy with data-informed mathematical models of infectious diseases: Recent developments and new challenges. Epidemics, 2020, 32, 100393.	3.0	31
26	Low red cell production may protect against severe anemia during a malaria infectionâ€”Insights from modeling. Journal of Theoretical Biology, 2009, 257, 533-542.	1.7	28
27	Host-mediated impairment of parasite maturation during blood-stage Plasmodium infection. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7701-7706.	7.1	27
28	Effect of Mature Blood-Stage Plasmodium Parasite Sequestration on Pathogen Biomass in Mathematical and In Vivo Models of Malaria. Infection and Immunity, 2014, 82, 212-220.	2.2	26
29	Withinâ€host modeling of bloodâ€stage malaria. Immunological Reviews, 2018, 285, 168-193.	6.0	26
30	Limited CD4+ T cell proliferation leads to preservation of CD4+ T cell counts in SIV-infected sooty mangabeys. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3773-3781.	2.6	24
31	Estimating the in-vivo HIV template switching and recombination rate. Aids, 2016, 30, 185-192.	2.2	21
32	Modeling of Experimental Data Supports HIV Reactivation from Latency after Treatment Interruption on Average Once Every 5â€“8 Days. PLoS Pathogens, 2016, 12, e1005740.	4.7	21
33	Plasmodium-specific antibodies block in vivo parasite growth without clearing infected red blood cells. PLoS Pathogens, 2019, 15, e1007599.	4.7	20
34	Relating In Vitro Neutralization Level and Protection in the CVnCoV (CUREVAC) Trial. Clinical Infectious Diseases, 2022, 75, e878-e879.	5.8	20
35	Characterising the effect of antimalarial drugs on the maturation and clearance of murine blood-stage Plasmodium parasites in vivo. International Journal for Parasitology, 2017, 47, 913-922.	3.1	19
36	Predictors of SIV recrudescence following antiretroviral treatment interruption. ELife, 2019, 8, .	6.0	18

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37	A novel fluorescent-based assay reveals that thrombopoietin signaling and Bcl-XL influence, respectively, platelet and erythrocyte lifespans. Experimental Hematology, 2010, 38, 453-461.e1.	0.4	15
38	Reduced erythrocyte susceptibility and increased host clearance of young parasites slows Plasmodium growth in a murine model of severe malaria. Scientific Reports, 2015, 5, 9412.	3.3	15
39	A general method to eliminate laboratory induced recombinants during massive, parallel sequencing of cDNA library. Virology Journal, 2015, 12, 55.	3.4	14
40	Quantifying Parameter and Structural Uncertainty of Dynamic Disease Transmission Models Using MCMC. Medical Decision Making, 2015, 35, 633-647.	2.4	13
41	Defining the Effectiveness of Antimalarial Chemotherapy: Investigation of the Lag in Parasite Clearance Following Drug Administration. Journal of Infectious Diseases, 2016, 214, 753-761.	4.0	13
42	Estimating Initial Viral Levels during Simian Immunodeficiency Virus/Human Immunodeficiency Virus Reactivation from Latency. Journal of Virology, 2018, 92, .	3.4	12
43	Modeling of Antilatency Treatment in HIV: What Is the Optimal Duration of Antiretroviral Therapy-Free HIV Remission?. Journal of Virology, 2017, 91, .	3.4	10
44	Where Have All the Parasites Gone? Modelling Early Malaria Parasite Sequestration Dynamics. PLoS ONE, 2013, 8, e55961.	2.5	9
45	Epitope-Specific CD8+T Cell Kinetics Rather than Viral Variability Determine the Timing of Immune Escape in Simian Immunodeficiency Virus Infection. Journal of Immunology, 2015, 194, 4112-4121.	0.8	9
46	HIV-1 Mutation and Recombination Rates Are Different in Macrophages and T-cells. Viruses, 2016, 8, 118.	3.3	9
47	A mechanistic model quantifies artemisinin-induced parasite growth retardation in blood-stage Plasmodium falciparum infection. Journal of Theoretical Biology, 2017, 430, 117-127.	1.7	9
48	Quantification of host-mediated parasite clearance during blood-stage Plasmodium infection and anti-malarial drug treatment in mice. International Journal for Parasitology, 2018, 48, 903-913.	3.1	8
49	How fast could HIV change gene frequencies in the human population?. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1981-1989.	2.6	4
50	In Silico Investigation of the Decline in Clinical Efficacy of Artemisinin Combination Therapies Due to Increasing Artemisinin and Partner Drug Resistance. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	4
51	Balancing Statistical Power and Risk in HIV Cure Clinical Trial Design. Journal of Infectious Diseases, 2022, 226, 236-245.	4.0	2
52	Similarly efficacious anti-malarial drugs SJ733 and pyronaridine differ in their ability to remove circulating parasites in mice. Malaria Journal, 2022, 21, 49.	2.3	2
53	Impact of fluctuation in frequency of human immunodeficiency virus/simian immunodeficiency virus reactivation during antiretroviral therapy interruption. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200354.	2.6	1
54	Anemia, Shortened Erythrocyte Lifespan and Stomatocytosis In a Flippase Mutant Mouse Strain. Blood, 2013, 122, 2183-2183.	1.4	0