David S Khoury

List of Publications by Year
in descending order

40 papers	7,509 citations	394421 19 h-index	330143 37 g-index
54 all docs	54 docs citations	54 times ranked	10134 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	mRNA vaccines induce durable immune memory to SARS-CoV-2 and variants of concern. Science, 2021, 374, abm0829.	12.6	609
4	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
5	Evolution of immune responses to SARS-CoV-2 in mild-moderate COVID-19. Nature Communications, 2021, 12, 1162.	12.8	316
6	Prospects for durable immune control of SARS-CoV-2 and prevention of reinfection. Nature Reviews Immunology, 2021, 21, 395-404.	22.7	223
7	A Quantitative Model of Honey Bee Colony Population Dynamics. PLoS ONE, 2011, 6, e18491.	2.5	204
8	Efficient recall of Omicron-reactive B cell memory after a third dose of SARS-CoV-2 mRNA vaccine. Cell, 2022, 185, 1875-1887.e8.	28.9	148
9	Modelling Food and Population Dynamics in Honey Bee Colonies. PLoS ONE, 2013, 8, e59084.	2.5	129
10	Measuring immunity to SARS-CoV-2 infection: comparing assays and animal models. Nature Reviews Immunology, 2020, 20, 727-738.	22.7	107
11	Omicron extensively but incompletely escapes Pfizer BNT162b2 neutralization. Nature, 0, , .	27.8	104
12	Functional cure of HIV: the scale of the challenge. Nature Reviews Immunology, 2019, 19, 45-54.	22.7	93
13	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
14	Transcriptome dynamics of CD4+ T cells during malaria maps gradual transit from effector to memory. Nature Immunology, 2020, 21, 1597-1610.	14.5	43
15	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
16	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
17	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
18	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

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19	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
20	Withinâ€host modeling of bloodâ€stage malaria. Immunological Reviews, 2018, 285, 168-193.	6.0	26
21	A Plasmodium vivax experimental human infection model for evaluating efficacy of interventions. Journal of Clinical Investigation, 2020, 130, 2920-2927.	8.2	25
22	Malaria Parasite Clearance: What Are We Really Measuring?. Trends in Parasitology, 2020, 36, 413-426.	3.3	21
23	Plasmodium-specific antibodies block in vivo parasite growth without clearing infected red blood cells. PLoS Pathogens, 2019, 15, e1007599.	4.7	20
24	Relating In Vitro Neutralization Level and Protection in the CVnCoV (CUREVAC) Trial. Clinical Infectious Diseases, 2022, 75, e878-e879.	5.8	20
25	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
26	Artemisinin Resistance and the Unique Selection Pressure of a Short-acting Antimalarial. Trends in Parasitology, 2020, 36, 884-887.	3.3	19
27	Quantifying and preventing Plasmodium vivax recurrences in primaquine-untreated pregnant women: An observational and modeling study in Brazil. PLoS Neglected Tropical Diseases, 2020, 14, e0008526.	3.0	16
28	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
29	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
30	Parasite Viability as a Superior Measure of Antimalarial Drug Activity in Humans. Journal of Infectious Diseases, 2021, 223, 2154-2163.	4.0	10
31	Hypnozoite dynamics for Plasmodium vivax malaria: The epidemiological effects of radical cure. Journal of Theoretical Biology, 2022, 537, 111014.	1.7	10
32	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
33	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
34	Why Do Hives Die? Using Mathematics to Solve the Problem of Honey Bee Colony Collapse. Mathematics for Industry, 2017, , 35-50.	0.4	6
35	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
36	Parasite Viability as a Measure of In Vivo Drug Activity in Preclinical and Early Clinical Antimalarial Drug Assessment. Antimicrobial Agents and Chemotherapy, 2022, 66, .	3.2	3

#	Article	IF	Citations
37	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
38	Effect of novel antimalarial ZY-19489 on Plasmodium falciparum viability in a volunteer infection study. Lancet Infectious Diseases, The, 2022, 22, 760-761.	9.1	1
39	Onset of rigidity in 3D stretched string networks. European Physical Journal B, 2013, 86, 1.	1.5	0
40	Reply to White and Watson. Journal of Infectious Diseases, 2021, 224, 739-740.	4.0	0