Oliver John Watson

List of Publications by Year
in descending order

55 papers	7,871 citations	236925 25 h-index	189892 50 g-index
82 all docs	82 docs citations	82 times ranked	11926 citing authors

#	Article	IF	Citations
1	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. Nature, 2020, 584, 257-261.	27.8	2,558
2	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Voâ€™. Nature, 2020, 584, 425-429.	27.8	872
3	Global impact of the first year of COVID-19 vaccination: a mathematical modelling study. Lancet Infectious Diseases, The, 2022, 22, 1293-1302.	9.1	789
4	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. Science, 2020, 369, 413-422.	12.6	718
5	Potential impact of the COVID-19 pandemic on HIV, tuberculosis, and malaria in low-income and middle-income countries: a modelling study. The Lancet Global Health, 2020, 8, e1132-e1141.	6.3	573
6	Reduction in mobility and COVID-19 transmission. Nature Communications, 2021, 12, 1090.	12.8	394
7	Response to COVID-19 in South Korea and implications for lifting stringent interventions. BMC Medicine, 2020, 18, 321.	5.5	137
8	The potential public health consequences of COVID-19 on malaria in Africa. Nature Medicine, 2020, 26, 1411-1416.	30.7	128
9	State-level tracking of COVID-19 in the United States. Nature Communications, 2020, 11, 6189.	12.8	104
10	Temperature and population density influence SARS-CoV-2 transmission in the absence of nonpharmaceutical interventions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	95
11	Key epidemiological drivers and impact of interventions in the 2020 SARS-CoV-2 epidemic in England. Science Translational Medicine, 2021, 13, .	12.4	89
12	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. Wellcome Open Research, 2020, 5, 81.	1.8	81
13	Modelling the drivers of the spread of Plasmodium falciparum hrp2 gene deletions in sub-Saharan Africa. ELife, 2017, 6, .	6.0	79
14	Under-reporting of deaths limits our understanding of true burden of covid-19. BMJ, The, 2021, 375, n2239.	6.0	75
15	Within-country age-based prioritisation, global allocation, and public health impact of a vaccine against SARS-CoV-2: A mathematical modelling analysis. Vaccine, 2021, 39, 2995-3006.	3.8	71
16	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. Lancet, The, 2020, 395, e110-e111.	13.7	70
17	The benefits and costs of social distancing in high- and low-income countries. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2021, 115, 807-819.	1.8	64
18	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. Wellcome Open Research, 2020, 5, 81.	1.8	62

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19	Emerging implications of policies on malaria treatment: genetic changes in the *Pfmdr-1* gene affecting susceptibility to artemether–lumefantrine and artesunate–amodiaquine in Africa. BMJ Global Health, 2018, 3, e000999.	4.7	58
20	The impact of antimalarial resistance on the genetic structure of Plasmodium falciparum in the DRC. Nature Communications, 2020, 11, 2107.	12.8	57
21	Ivermectin as a novel complementary malaria control tool to reduce incidence and prevalence: a modelling study. Lancet Infectious Diseases, The, 2020, 20, 498-508.	9.1	53
22	Projected health-care resource needs for an effective response to COVID-19 in 73 low-income and middle-income countries: a modelling study. The Lancet Global Health, 2020, 8, e1372-e1379.	6.3	51
23	False-negative malaria rapid diagnostic test results and their impact on community-based malaria surveys in sub-Saharan Africa. BMJ Global Health, 2019, 4, e001582.	4.7	44
24	Social contact patterns and implications for infectious disease transmission – a systematic review and meta-analysis of contact surveys. ELife, 2021, 10, .	6.0	36
25	Modelling the impact of vaccine hesitancy in prolonging the need for Non-Pharmaceutical Interventions to control the COVID-19 pandemic. Communications Medicine, 2022, 2, .	4.2	36
26	Leveraging community mortality indicators to infer COVID-19 mortality and transmission dynamics in Damascus, Syria. Nature Communications, 2021, 12, 2394.	12.8	35
27	Plasmodium interspecies interactions during a period of increasing prevalence of Plasmodium ovale in symptomatic individuals seeking treatment: an observational study. Lancet Microbe, The, 2021, 2, e141-e150.	7.3	32
28	Transmission of Artemisinin-Resistant Malaria Parasites to Mosquitoes under Antimalarial Drug Pressure. Antimicrobial Agents and Chemotherapy, 2020, 65, .	3.2	29
29	Describing the current status of *Plasmodium falciparum* population structure and drug resistance within mainland Tanzania using molecular inversion probes. Molecular Ecology, 2021, 30, 100-113.	3.9	29
30	Impact of seasonal variations in Plasmodium falciparum malaria transmission on the surveillance of pfhrp2 gene deletions. ELife, 2019, 8, .	6.0	28
31	Estimating the COVID-19 infection fatality ratio accounting for seroreversion using statistical modelling. Communications Medicine, 2022, 2, .	4.2	28
32	Modelling intensive care unit capacity under different epidemiological scenarios of the COVID-19 pandemic in three Western European countries. International Journal of Epidemiology, 2021, 50, 753-767.	1.9	24
33	rdhs: an R package to interact with The Demographic and Health Surveys (DHS) Program datasets. Wellcome Open Research, 0, 4, 103.	1.8	24
34	Genetic evidence for the association between COVID-19 epidemic severity and timing of non-pharmaceutical interventions. Nature Communications, 2021, 12, 2188.	12.8	23
35	The epidemiology of Plasmodium vivax among adults in the Democratic Republic of the Congo. Nature Communications, 2021, 12, 4169.	12.8	18
36	Evaluating the Performance of Malaria Genetics for Inferring Changes in Transmission Intensity Using Transmission Modeling. Molecular Biology and Evolution, 2021, 38, 274-289.	8.9	17

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37	Interpreting estimates of coronavirus disease 2019 (COVID-19) vaccine efficacy and effectiveness to inform simulation studies of vaccine impact: a systematic review. Wellcome Open Research, 0, 6, 185.	1.8	17
38	Plasmodium falciparum genetic variation of var2csa in the Democratic Republic of the Congo. Malaria Journal, 2018, 17, 46.	2.3	13
39	An infectious way to teach students about outbreaks. Epidemics, 2018, 23, 42-48.	3.0	12
40	Epidemiology and genotypes of group A rotaviruses in cattle and goats of Bangladesh, 2009-2010. Infection, Genetics and Evolution, 2020, 79, 104170.	2.3	12
41	Database of epidemic trends and control measures during the first wave of COVID-19 in mainland China. International Journal of Infectious Diseases, 2021, 102, 463-471.	3.3	12
42	Country differences in transmissibility, age distribution and case-fatality of SARS-CoV-2: a global ecological analysis. International Journal of Infectious Diseases, 2022, 114, 210-218.	3.3	11
43	Understanding the Potential Impact of Different Drug Properties on Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Transmission and Disease Burden: A Modelling Analysis. Clinical Infectious Diseases, 2022, 75, e224-e233.	5.8	10
44	A framework for reconstructing SARS-CoV-2 transmission dynamics using excess mortality data. Nature Communications, 2022, 13, .	12.8	10
45	Communicating uncertainty in epidemic models. Epidemics, 2021, 37, 100520.	3.0	9
46	Potential impact of intervention strategies on COVID-19 transmission in Malawi: a mathematical modelling study. BMJ Open, 2021, 11, e045196.	1.9	8
47	Using syndromic measures of mortality to capture the dynamics of COVID-19 in Java, Indonesia, in the context of vaccination rollout. BMC Medicine, 2021, 19, 146.	5.5	7
48	SARS-CoV-2 infection prevalence on repatriation flights from Wuhan City, China. Journal of Travel Medicine, 2020, 27, .	3.0	5
49	Reproducible parallel inference and simulation of stochastic state space models using odin, dust, and mcstate. Wellcome Open Research, 0, 5, 288.	1.8	5
50	Malaria Transmission Dynamics in a High-Transmission Setting of Western Kenya and the Inadequate Treatment Response to Artemether-Lumefantrine in an Asymptomatic Population. Clinical Infectious Diseases, 2023, 76, 704-712.	5.8	5
51	Reproducible parallel inference and simulation of stochastic state space models using odin, dust, and mcstate. Wellcome Open Research, 2020, 5, 288.	1.8	4
52	Host or pathogen-related factors in COVID-19 severity? â€" Authors' reply. Lancet, The, 2020, 396, 1397.	13.7	3
53	Reassessing Reported Deaths and Estimated Infection Attack Rate during the First 6 Months of the COVID-19 Epidemic, Delhi, India. Emerging Infectious Diseases, 2022, 28, 759-766.	4.3	3
54	Predictive Malaria Epidemiology, Models of Malaria Control Interventions and Elimination. , 2018, , 1-7.		0

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55	Predictive Malaria Epidemiology, Models of Malaria Transmission and Elimination. , 2018, , 1-7.		0