Joel Hellewell

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46 papers	5,938 citations	20 h-index	53 g-index
53 ext. papers	8,027 ext. citations	15.2 avg, IF	5.84 L-index

#	Paper	IF	Citations
46	Feasibility of controlling COVID-19 outbreaks by isolation of cases and contacts. *The Lancet Global Health*, **2020**, 8, e488-e496	13.6	1460
45	Early dynamics of transmission and control of COVID-19: a mathematical modelling study. *Lancet Infectious Diseases, The*, **2020**, 20, 553-558	25.5	1372
44	The effect of control strategies to reduce social mixing on outcomes of the COVID-19 epidemic in Wuhan, China: a modelling study. *Lancet Public Health, The*, **2020**, 5, e261-e270	22.4	1139
43	Effects of non-pharmaceutical interventions on COVID-19 cases, deaths, and demand for hospital services in the UK: a modelling study. *Lancet Public Health, The*, **2020**, 5, e375-e385	22.4	453
42	Estimating the infection and case fatality ratio for coronavirus disease (COVID-19) using age-adjusted data from the outbreak on the Diamond Princess cruise ship, February 2020. *Eurosurveillance*, **2020**, 25,	19.8	277
41	Practical considerations for measuring the effective reproductive number, Rt. *PLoS Computational Biology*, **2020**, 16, e1008409	5	140
40	Examining the human infectious reservoir for Plasmodium falciparum malaria in areas of differing transmission intensity. *Nature Communications*, **2017**, 8, 1133	17.4	117
39	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. *Wellcome Open Research*,5, 112	4.8	98
38	Using a real-world network to model localized COVID-19 control strategies. *Nature Medicine*, **2020**, 26, 1616-1622	50.5	97
37	Feasibility of controlling 2019-nCoV outbreaks by isolation of cases and contacts		89
36	Reconstructing the early global dynamics of under-ascertained COVID-19 cases and infections. *BMC Medicine*, **2020**, 18, 332	11.4	80
35	Quarantine and testing strategies in contact tracing for SARS-CoV-2: a modelling study. *Lancet Public Health, The*, **2021**, 6, e175-e183	22.4	69
34	The transmissibility of novel Coronavirus in the early stages of the 2019-20 outbreak in Wuhan: Exploring initial point-source exposure sizes and durations using scenario analysis. *Wellcome Open Research*, **2020**, 5, 17	4.8	58
33	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. *Wellcome Open Research*,5, 112	4.8	58
32	Practical considerations for measuring the effective reproductive number, **2020**,		46
31	The contribution of asymptomatic SARS-CoV-2 infections to transmission on the Diamond Princess cruise ship. *ELife*, **2020**, 9,	8.9	43
30	Estimating the effectiveness of routine asymptomatic PCR testing at different frequencies for the detection of SARS-CoV-2 infections. *BMC Medicine*, **2021**, 19, 106	11.4	40

29	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study. *BMC Medicine*, **2020**, 18, 324	11.4	36
28	Variation in natural exposure to anopheles mosquitoes and its effects on malaria transmission. *ELife*, **2018**, 7,	8.9	28
27	Estimating the infection and case fatality ratio for COVID-19 using age-adjusted data from the outbreak on the Diamond Princess cruise ship		25
26	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the US		20
25	Ivermectin as a novel complementary malaria control tool to reduce incidence and prevalence: a modelling study. *Lancet Infectious Diseases, The*, **2020**, 20, 498-508	25.5	20
24	Genomic reconstruction of the SARS-CoV-2 epidemic in England. *Nature*, **2021**,	50.4	16
23	The contribution of asymptomatic SARS-CoV-2 infections to transmission - a model-based analysis of the Diamond Princess outbreak		14
22	Combining fine-scale social contact data with epidemic modelling reveals interactions between contact tracing, quarantine, testing and physical distancing for controlling COVID-19		14
21	Reconstructing the early global dynamics of under-ascertained COVID-19 cases and infections		13
20	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2113561119	11.5	13
19	A cross-sectional analysis of meteorological factors and SARS-CoV-2 transmission in 409 cities across 26 countries. *Nature Communications*, **2021**, 12, 5968	17.4	12
18	Implications of the school-household network structure on SARS-CoV-2 transmission under school reopening strategies in England. *Nature Communications*, **2021**, 12, 1942	17.4	12
17	Estimating the effectiveness of routine asymptomatic PCR testing at different frequencies for the detection of SARS-CoV-2 infections		10
16	Implications of the school-household network structure on SARS-CoV-2 transmission under different school reopening strategies in England		9
15	Genomic reconstruction of the SARS-CoV-2 epidemic in England		9
14	Estimating the impact of reopening schools on the reproduction number of SARS-CoV-2 in England, using weekly contact survey data. *BMC Medicine*, **2021**, 19, 233	11.4	7
13	An imperfect tool: contact tracing could provide valuable reductions in COVID-19 transmission if good adherence can be achieved and maintained.		6
12	Inference of the SARS-CoV-2 generation time using UK household data.. *ELife*, **2022**, 11,	8.9	5

11	Exploring surveillance data biases when estimating the reproduction number: with insights into subpopulation transmission of Covid-19 in England		5
10	Exploring surveillance data biases when estimating the reproduction number: with insights into subpopulation transmission of COVID-19 in England. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2021**, 376, 20200283	5.8	5
9	Using ante-natal clinic prevalence data to monitor temporal changes in malaria incidence in a humanitarian setting in the Democratic Republic of Congo. *Malaria Journal*, **2018**, 17, 312	3.6	5
8	Assessing the impact of low-technology emanators alongside long-lasting insecticidal nets to control malaria. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2021**, 376, 20190817	5.8	4
7	On the fallibility of simulation models in informing pandemic responses - Authorscreply. *The Lancet Global Health*, **2020**, 8, e778-e779	13.6	3
6	Evaluating the Performance of Malaria Genetics for Inferring Changes in Transmission Intensity Using Transmission Modeling. *Molecular Biology and Evolution*, **2021**, 38, 274-289	8.3	3
5	When intuition falters: repeated testing accuracy during an epidemic. *European Journal of Epidemiology*, **2021**, 36, 749-752	12.1	2
4	Contact tracing is an imperfect tool for controlling COVID-19 transmission and relies on population adherence. *Nature Communications*, **2021**, 12, 5412	17.4	2
3	Feasibility of controlling COVID-19 - Authorscreply. *The Lancet Global Health*, **2020**, 8, e775	13.6	1
2	Comparative assessment of methods for short-term forecasts of COVID-19 hospital admissions in England at the local level.. *BMC Medicine*, **2022**, 20, 86	11.4	1
1	Using high-resolution contact networks to evaluate SARS-CoV-2 transmission and control in large-scale multi-day events.. *Nature Communications*, **2022**, 13, 1956	17.4	1