

Edward M Hill

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,473
citations

686830

13
h-index

454577

30
g-index

62
all docs

62
docs citations

62
times ranked

2133
citing authors

#	ARTICLE	IF	CITATIONS
1	Vaccination and non-pharmaceutical interventions for COVID-19: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 793-802.	4.6	453
2	Modelling optimal vaccination strategy for SARS-CoV-2 in the UK. <i>PLoS Computational Biology</i> , 2021, 17, e1008849.	1.5	142
3	Possible future waves of SARS-CoV-2 infection generated by variants of concern with a range of characteristics. <i>Nature Communications</i> , 2021, 12, 5730.	5.8	90
4	Predictions of COVID-19 dynamics in the UK: Short-term forecasting and analysis of potential exit strategies. <i>PLoS Computational Biology</i> , 2021, 17, e1008619.	1.5	87
5	SARS-CoV-2 incidence and vaccine escape. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 913-914.	4.6	51
6	The impact of school reopening on the spread of COVID-19 in England. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200261.	1.8	41
7	Seasonal influenza: Modelling approaches to capture immunity propagation. <i>PLoS Computational Biology</i> , 2019, 15, e1007096.	1.5	35
8	Vaccine escape in a heterogeneous population: insights for SARS-CoV-2 from a simple model. <i>Royal Society Open Science</i> , 2021, 8, 210530.	1.1	33
9	Spreading of healthy mood in adolescent social networks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151180.	1.2	28
10	Developing a Framework for Public Involvement in Mathematical and Economic Modelling: Bringing New Dynamism to Vaccination Policy Recommendations. <i>Patient</i> , 2021, 14, 435-445.	1.1	24
11	Quantifying pupil-to-pupil SARS-CoV-2 transmission and the impact of lateral flow testing in English secondary schools. <i>Nature Communications</i> , 2022, 13, 1106.	5.8	24
12	Fitting to the UK COVID-19 outbreak, short-term forecasts and estimating the reproductive number. <i>Statistical Methods in Medical Research</i> , 2022, 31, 1716-1737.	0.7	22
13	Modelling H5N1 in Bangladesh across spatial scales: Model complexity and zoonotic transmission risk. <i>Epidemics</i> , 2017, 20, 37-55.	1.5	19
14	The impact of surveillance and control on highly pathogenic avian influenza outbreaks in poultry in Dhaka division, Bangladesh. <i>PLoS Computational Biology</i> , 2018, 14, e1006439.	1.5	17
15	An analysis of school absences in England during the COVID-19 pandemic. <i>BMC Medicine</i> , 2021, 19, 137.	2.3	17
16	Modelling SARS-CoV-2 transmission in a UK university setting. <i>Epidemics</i> , 2021, 36, 100476.	1.5	17
17	SARS-CoV-2 infection in UK university students: lessons from Septemberâ€“December 2020 and modelling insights for future student return. <i>Royal Society Open Science</i> , 2021, 8, 210310.	1.1	15
18	Comparison between one and two dose SARS-CoV-2 vaccine prioritization for a fixed number of vaccine doses. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210214.	1.5	13

#	ARTICLE	IF	CITATIONS
19	A network modelling approach to assess non-pharmaceutical disease controls in a worker population: An application to SARS-CoV-2. PLoS Computational Biology, 2021, 17, e1009058.	1.5	12
20	Assessing the impact of lateral flow testing strategies on within-school SARS-CoV-2 transmission and absences: A modelling study. PLoS Computational Biology, 2022, 18, e1010158.	1.5	11
21	Spreading of components of mood in adolescent social networks. Royal Society Open Science, 2017, 4, 170336.	1.1	10
22	Modelling livestock infectious disease control policy under differing social perspectives on vaccination behaviour. PLoS Computational Biology, 2022, 18, e1010235.	1.5	9
23	Precautionary breaks: Planned, limited duration circuit breaks to control the prevalence of SARS-CoV2 and the burden of COVID-19 disease. Epidemics, 2021, 37, 100526.	1.5	8
24	Evidence for history-dependence of influenza pandemic emergence. Scientific Reports, 2017, 7, 43623.	1.6	7
25	Optimising age coverage of seasonal influenza vaccination in England: A mathematical and health economic evaluation. PLoS Computational Biology, 2020, 16, e1008278.	1.5	7
26	Cattle farmer psychosocial profiles and their association with control strategies for bovine viral diarrhea. Journal of Dairy Science, 2022, 105, 3559-3573.	1.4	7
27	Spatio-temporal modelling of Leishmania infantum infection among domestic dogs: a simulation study and sensitivity analysis applied to rural Brazil. Parasites and Vectors, 2019, 12, 215.	1.0	6
28	The effect of notification window length on the epidemiological impact of COVID-19 contact tracing mobile applications. Communications Medicine, 2022, 2, .	1.9	3
29	How predictable are flu pandemics?. Significance, 2017, 14, 28-33.	0.3	2
30	Title is missing!. , 2020, 16, e1008278.		0
31	Title is missing!. , 2020, 16, e1008278.		0
32	Title is missing!. , 2020, 16, e1008278.		0
33	Title is missing!. , 2020, 16, e1008278.		0