

Robin N Thompson

List of Publications by Year in Descending Order

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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.

70
papers

1,452
citations

20
h-index

36
g-index

83
ext. papers

2,318
ext. citations

7.3
avg, IF

6.3
L-index

#	Paper	IF	Citations
70	Challenges for modelling interventions for future pandemics.. <i>Epidemics</i> , 2022 , 38, 100546	5.1	3
69	Inference of the SARS-CoV-2 generation time using UK household data.. <i>ELife</i> , 2022 , 11,	8.9	5
68	Evaluating strategies for spatial allocation of vaccines based on risk and centrality.. <i>Journal of the Royal Society Interface</i> , 2022 , 19, 20210709	4.1	
67	Generation time of the alpha and delta SARS-CoV-2 variants: an epidemiological analysis.. <i>Lancet Infectious Diseases, The</i> , 2022 ,	25.5	16
66	Model Integration in Computational Biology: The Role of Reproducibility, Credibility and Utility 2022 , 2,		1
65	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	17.4	3
64	Real-Time Prediction of the End of an Epidemic Wave: COVID-19 in China as a Case-Study. <i>Fields Institute Communications</i> , 2022 , 173-195	0.4	
63	Assessing the impact of lateral flow testing strategies on within-school SARS-CoV-2 transmission and absences: A modelling study. <i>PLoS Computational Biology</i> , 2022 , 18, e1010158	5	0
62	When Do Epidemics End? Scientific Insights from Mathematical Modelling Studies. <i>Centaurus</i> , 2022 , 64, 31-60	1.1	
61	Estimating local outbreak risks and the effects of non-pharmaceutical interventions in age-structured populations: SARS-CoV-2 as a case study.. <i>Journal of Theoretical Biology</i> , 2021 , 535, 110983 ^{2,3}		0
60	Challenges in modeling the emergence of novel pathogens. <i>Epidemics</i> , 2021 , 37, 100516	5.1	3
59	The risk of SARS-CoV-2 outbreaks in low prevalence settings following the removal of travel restrictions. <i>Communications Medicine</i> , 2021 , 1,		3
58	A quantitative model used to compare within-host SARS-CoV-2, MERS-CoV, and SARS-CoV dynamics provides insights into the pathogenesis and treatment of SARS-CoV-2. <i>PLoS Biology</i> , 2021 , 19, e3001128 ^{9,7}		25
57	High infectiousness immediately before COVID-19 symptom onset highlights the importance of continued contact tracing. <i>ELife</i> , 2021 , 10,	8.9	19
56	Interventions targeting non-symptomatic cases can be important to prevent local outbreaks: SARS-CoV-2 as a case study. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20201014	4.1	5
55	An analysis of school absences in England during the COVID-19 pandemic. <i>BMC Medicine</i> , 2021 , 19, 137	11.4	7
54	SARS-CoV-2 incidence and vaccine escape. <i>Lancet Infectious Diseases, The</i> , 2021 , 21, 913-914	25.5	25

53	Detection of significant antiviral drug effects on COVID-19 with reasonable sample sizes in randomized controlled trials: A modeling study. <i>PLoS Medicine</i> , 2021 , 18, e1003660	11.6	8
52	Statistical Estimation of the Reproductive Number From Case Notification Data. <i>American Journal of Epidemiology</i> , 2021 , 190, 611-620	3.8	4
51	The effect of the definition of pandemic quantitative assessments of infectious disease outbreak risk. <i>Scientific Reports</i> , 2021 , 11, 2547	4.9	10
50	Accounting for cross-immunity can improve forecast accuracy during influenza epidemics. <i>Epidemics</i> , 2021 , 34, 100432	5.1	1
49	Government responses and COVID-19 deaths: Global evidence across multiple pandemic waves. <i>PLoS ONE</i> , 2021 , 16, e0253116	3.7	21
48	Vaccine escape in a heterogeneous population: insights for SARS-CoV-2 from a simple model. <i>Royal Society Open Science</i> , 2021 , 8, 210530	3.3	13
47	Commentary on the use of the reproduction number during the COVID-19 pandemic. <i>Statistical Methods in Medical Research</i> , 2021 , 9622802211037079	2.3	3
46	A hospital-related outbreak of SARS-CoV-2 associated with variant Epsilon (B.1.429) in Taiwan: transmission potential and outbreak containment under intensified contact tracing, January-February 2021. <i>International Journal of Infectious Diseases</i> , 2021 , 110, 15-20	10.5	6
45	Time from Symptom Onset to Hospitalisation of Coronavirus Disease 2019 (COVID-19) Cases: Implications for the Proportion of Transmissions from Infectors with Few Symptoms. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	11
44	A theoretical framework for transitioning from patient-level to population-scale epidemiological dynamics: influenza A as a case study. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20200230	4.1	11
43	Estimating COVID-19 outbreak risk through air travel. <i>Journal of Travel Medicine</i> , 2020 , 27,	12.9	37
42	Evolutionary consequences of feedbacks between within-host competition and disease control. <i>Evolution, Medicine and Public Health</i> , 2020 , 2020, 30-34	3	4
41	Epidemiological Identification of A Novel Pathogen in Real Time: Analysis of the Atypical Pneumonia Outbreak in Wuhan, China, 2019-2020. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	9
40	Novel Coronavirus Outbreak in Wuhan, China, 2020: Intense Surveillance Is Vital for Preventing Sustained Transmission in New Locations. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	114
39	Pandemic potential of 2019-nCoV. <i>Lancet Infectious Diseases</i> , 2020 , 20, 280	25.5	105
38	Epidemiological models are important tools for guiding COVID-19 interventions. <i>BMC Medicine</i> , 2020 , 18, 152	11.4	56
37	Practical considerations for measuring the effective reproductive number, Rt. <i>PLoS Computational Biology</i> , 2020 , 16, e1008409	5	140
36	An exact method for quantifying the reliability of end-of-epidemic declarations in real time. <i>PLoS Computational Biology</i> , 2020 , 16, e1008478	5	16

35	Will an outbreak exceed available resources for control? Estimating the risk from invading pathogens using practical definitions of a severe epidemic. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20200690	4.1	13
34	Practical considerations for measuring the effective reproductive number, 2020 ,		46
33	The pedagogical power of context: extending the Epidemiology of Eyam. <i>Physics Education</i> , 2020 , 55, 015021	0.8	2
32	Key questions for modelling COVID-19 exit strategies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20201405	4.4	65
31	Sustained transmission of Ebola in new locations: more likely than previously thought. <i>Lancet Infectious Diseases</i> , 2019 , 19, 1058-1059	25.5	15
30	Rigorous surveillance is necessary for high confidence in end-of-outbreak declarations for Ebola and other infectious diseases. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20180431	5.8	26
29	Preface to theme issue Modelling infectious disease outbreaks in humans, animals and plants: epidemic forecasting and control <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20190375	5.8	3
28	Detection, forecasting and control of infectious disease epidemics: modelling outbreaks in humans, animals and plants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20190038	5.8	23
27	Identifying genes associated with invasive disease in <i>S. pneumoniae</i> by applying a machine learning approach to whole genome sequence typing data. <i>Scientific Reports</i> , 2019 , 9, 4049	4.9	10
26	Link between the numbers of particles and variants founding new HIV-1 infections depends on the timing of transmission. <i>Virus Evolution</i> , 2019 , 5, vey038	3.7	6
25	Increased frequency of travel in the presence of cross-immunity may act to decrease the chance of a global pandemic. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20180274	5.8	24
24	Vaccination can drive an increase in frequencies of antibiotic resistance among nonvaccine serotypes of. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3102-3107	11.5	22
23	Effect of Confusing Symptoms and Infectiousness on Forecasting and Control of Ebola Outbreaks. <i>Clinical Infectious Diseases</i> , 2018 , 67, 1472-1474	11.6	14
22	Control fast or control smart: When should invading pathogens be controlled?. <i>PLoS Computational Biology</i> , 2018 , 14, e1006014	5	30
21	Movement and conformity interact to establish local behavioural traditions in animal populations. <i>PLoS Computational Biology</i> , 2018 , 14, e1006647	5	5
20	Structure-Guided Identification of a Nonhuman Morbillivirus with Zoonotic Potential. <i>Journal of Virology</i> , 2018 , 92,	6.6	17
19	Spread of yellow fever virus outbreak in Angola and the Democratic Republic of the Congo 2015-16: a modelling study. <i>Lancet Infectious Diseases</i> , 2017 , 17, 330-338	25.5	140
18	Selection on non-antigenic gene segments of seasonal influenza A virus and its impact on adaptive evolution. <i>Virus Evolution</i> , 2017 , 3, vex034	3.7	8

17	Management of invading pathogens should be informed by epidemiology rather than administrative boundaries. <i>Ecological Modelling</i> , 2016 , 324, 28-32	3	32
16	Detecting Presymptomatic Infection Is Necessary to Forecast Major Epidemics in the Earliest Stages of Infectious Disease Outbreaks. <i>PLoS Computational Biology</i> , 2016 , 12, e1004836	5	55
15	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. <i>Wellcome Open Research</i> , 5, 112	4.8	98
14	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. <i>Wellcome Open Research</i> , 5, 112	4.8	58
13	Waning, Boosting and a Path to Endemicity for SARS-CoV-2		3
12	Generation time of the Alpha and Delta SARS-CoV-2 variants		8
11	Epidemiological identification of a novel infectious disease in real time: Analysis of the atypical pneumonia outbreak in Wuhan, China, 2019-20		4
10	Modelling SARS-CoV-2 Dynamics: Implications for Therapy		15
9	Interventions targeting nonsymptomatic cases can be important to prevent local outbreaks: SARS-CoV-2 as a case-study		1
8	Will an outbreak exceed available resources for control? Estimating the risk from invading pathogens using practical definitions of a severe epidemic		2
7	Vaccine escape in a heterogeneous population: insights for SARS-CoV-2 from a simple model		8
6	Optimal health and economic impact of non-pharmaceutical intervention measures prior and post vaccination in England: a mathematical modelling study		1
5	Are epidemic growth rates more informative than reproduction numbers?		5
4	Non-pharmaceutical interventions and the emergence of pathogen variants		1
3	Quantifying within-school SARS-CoV-2 transmission and the impact of lateral flow testing in secondary schools in England		2
2	Assessing the impact of secondary school reopening strategies on within-school COVID-19 transmission and absences: a modelling study		4
1	An analysis of school absences in England during the Covid-19 pandemic		2