Robin N Thompson

List of Publications by Year
in descending order

58	2,930	331642 21	265191 42
papers	citations	h-index	g-index

83	83	83	3941
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Commentary on the use of the reproduction number R during the COVID-19 pandemic. Statistical Methods in Medical Research, 2022, 31, 1675-1685.	1.5	18
2	Estimating local outbreak risks and the effects of non-pharmaceutical interventions in age-structured populations: SARS-CoV-2 as a case study. Journal of Theoretical Biology, 2022, 535, 110983.	1.7	14
3	Challenges for modelling interventions for future pandemics. Epidemics, 2022, 38, 100546.	3.0	30
4	Inference of the SARS-CoV-2 generation time using UK household data. ELife, 2022, 11, .	6.0	40
5	Evaluating strategies for spatial allocation of vaccines based on risk and centrality. Journal of the Royal Society Interface, 2022, 19, 20210709.	3.4	3
6	Generation time of the alpha and delta SARS-CoV-2 variants: an epidemiological analysis. Lancet Infectious Diseases, The, 2022, 22, 603-610.	9.1	154
7	Model Integration in Computational Biology: The Role of Reproducibility, Credibility and Utility. Frontiers in Systems Biology, 2022, 2, .	0.7	7
8	Quantifying pupil-to-pupil SARS-CoV-2 transmission and the impact of lateral flow testing in English secondary schools. Nature Communications, 2022, 13, 1106.	12.8	24
9	Real-Time Prediction of the End of an Epidemic Wave: COVID-19 in China as a Case-Study. Fields Institute Communications, 2022, , 173-195.	1.3	2
10	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.	3.2	11
11	Are Epidemic Growth Rates More Informative than Reproduction Numbers?. Journal of the Royal Statistical Society Series A: Statistics in Society, 2022, 185, S5-S15.	1.1	23
12	When Do Epidemics End? Scientific Insights from Mathematical Modelling Studies. Centaurus, 2022, 64, 31-60.	0.6	3
13	The effect of notification window length on the epidemiological impact of COVID-19 contact tracing mobile applications. Communications Medicine, 2022, 2, .	4.2	3
14	Statistical Estimation of the Reproductive Number From Case Notification Data. American Journal of Epidemiology, 2021, 190, 611-620.	3.4	21
15	The effect of the definition of â€˜pandemicâ€™ on quantitative assessments of infectious disease outbreak risk. Scientific Reports, 2021, 11, 2547.	3.3	22
16	Accounting for cross-immunity can improve forecast accuracy during influenza epidemics. Epidemics, 2021, 34, 100432.	3.0	5
17	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. PLoS Biology, 2021, 19, e3001128.	5.6	99
18	High infectiousness immediately before COVID-19 symptom onset highlights the importance of continued contact tracing. ELife, 2021, 10, .	6.0	63

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19	Interventions targeting non-symptomatic cases can be important to prevent local outbreaks: SARS-CoV-2 as a case study. Journal of the Royal Society Interface, 2021, 18, 20201014.	3.4	25
20	An analysis of school absences in England during the COVID-19 pandemic. BMC Medicine, 2021, 19, 137.	5.5	17
21	SARS-CoV-2 incidence and vaccine escape. Lancet Infectious Diseases, The, 2021, 21, 913-914.	9.1	51
22	Detection of significant antiviral drug effects on COVID-19 with reasonable sample sizes in randomized controlled trials: A modeling study. PLoS Medicine, 2021, 18, e1003660.	8.4	32
23	Government responses and COVID-19 deaths: Global evidence across multiple pandemic waves. PLoS ONE, 2021, 16, e0253116.	2.5	89
24	Vaccine escape in a heterogeneous population: insights for SARS-CoV-2 from a simple model. Royal Society Open Science, 2021, 8, 210530.	2.4	33
25	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, Januaryâ€“February 2021. International Journal of Infectious Diseases, 2021, 110, 15-20.	3.3	18
26	Challenges in modeling the emergence of novel pathogens. Epidemics, 2021, 37, 100516.	3.0	12
27	The risk of SARS-CoV-2 outbreaks in low prevalence settings following the removal of travel restrictions. Communications Medicine, 2021, 1, .	4.2	12
28	The pedagogical power of context: extending the Epidemiology of Eyam. Physics Education, 2020, 55, 015021.	0.5	2
29	Key questions for modelling COVID-19 exit strategies. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201405.	2.6	106
30	Time from Symptom Onset to Hospitalisation of Coronavirus Disease 2019 (COVID-19) Cases: Implications for the Proportion of Transmissions from Infectors with Few Symptoms. Journal of Clinical Medicine, 2020, 9, 1297.	2.4	19
31	A theoretical framework for transitioning from patient-level to population-scale epidemiological dynamics: influenza A as a case study. Journal of the Royal Society Interface, 2020, 17, 20200230.	3.4	26
32	Estimating COVID-19 outbreak risk through air travel. Journal of Travel Medicine, 2020, 27, .	3.0	60
33	Evolutionary consequences of feedbacks between within-host competition and disease control. Evolution, Medicine and Public Health, 2020, 2020, 30-34.	2.5	7
34	Epidemiological Identification of A Novel Pathogen in Real Time: Analysis of the Atypical Pneumonia Outbreak in Wuhan, China, 2019â€“2020. Journal of Clinical Medicine, 2020, 9, 637.	2.4	11
35	Novel Coronavirus Outbreak in Wuhan, China, 2020: Intense Surveillance Is Vital for Preventing Sustained Transmission in New Locations. Journal of Clinical Medicine, 2020, 9, 498.	2.4	148
36	Pandemic potential of 2019-nCoV. Lancet Infectious Diseases, The, 2020, 20, 280.	9.1	133

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37	Will an outbreak exceed available resources for control? Estimating the risk from invading pathogens using practical definitions of a severe epidemic. Journal of the Royal Society Interface, 2020, 17, 20200690.	3.4	30
38	Epidemiological models are important tools for guiding COVID-19 interventions. BMC Medicine, 2020, 18, 152.	5.5	98
39	Practical considerations for measuring the effective reproductive number, Rt. PLoS Computational Biology, 2020, 16, e1008409.	3.2	343
40	An exact method for quantifying the reliability of end-of-epidemic declarations in real time. PLoS Computational Biology, 2020, 16, e1008478.	3.2	22
41	Increased frequency of travel in the presence of cross-immunity may act to decrease the chance of a global pandemic. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180274.	4.0	36
42	Sustained transmission of Ebola in new locations: more likely than previously thought. Lancet Infectious Diseases, The, 2019, 19, 1058-1059.	9.1	25
43	Rigorous surveillance is necessary for high confidence in end-of-outbreak declarations for Ebola and other infectious diseases. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180431.	4.0	35
44	Preface to theme issue â€˜Modelling infectious disease outbreaks in humans, animals and plants: epidemic forecasting and controlâ€™. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190375.	4.0	4
45	Detection, forecasting and control of infectious disease epidemics: modelling outbreaks in humans, animals and plants. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190038.	4.0	31
46	Identifying genes associated with invasive disease in S. pneumoniae by applying a machine learning approach to whole genome sequence typing data. Scientific Reports, 2019, 9, 4049.	3.3	18
47	Link between the numbers of particles and variants founding new HIV-1 infections depends on the timing of transmission. Virus Evolution, 2019, 5, vey038.	4.9	13
48	Vaccination can drive an increase in frequencies of antibiotic resistance among nonvaccine serotypes of Streptococcus pneumoniae. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3102-3107.	7.1	42
49	Effect of Confusing Symptoms and Infectiousness on Forecasting and Control of Ebola Outbreaks. Clinical Infectious Diseases, 2018, 67, 1472-1474.	5.8	17
50	Movement and conformity interact to establish local behavioural traditions in animal populations. PLoS Computational Biology, 2018, 14, e1006647.	3.2	12
51	Structure-Guided Identification of a Nonhuman Morbillivirus with Zoonotic Potential. Journal of Virology, 2018, 92, .	3.4	23
52	Control fast or control smart: When should invading pathogens be controlled?. PLoS Computational Biology, 2018, 14, e1006014.	3.2	46
53	Spread of yellow fever virus outbreak in Angola and the Democratic Republic of the Congo 2015â€“16: a modelling study. Lancet Infectious Diseases, The, 2017, 17, 330-338.	9.1	185
54	Selection on non-antigenic gene segments of seasonal influenza A virus and its impact on adaptive evolution. Virus Evolution, 2017, 3, vex034.	4.9	9

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55	Detecting Presymptomatic Infection Is Necessary to Forecast Major Epidemics in the Earliest Stages of Infectious Disease Outbreaks. PLoS Computational Biology, 2016, 12, e1004836.	3.2	73
56	Management of invading pathogens should be informed by epidemiology rather than administrative boundaries. Ecological Modelling, 2016, 324, 28-32.	2.5	46
57	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. Wellcome Open Research, 0, 5, 112.	1.8	176
58	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. Wellcome Open Research, 0, 5, 112.	1.8	117