

Nicholas G Davies

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

15,374
citations

236925

25
h-index

289244

40
g-index

70
all docs

70
docs citations

70
times ranked

23987
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimated transmissibility and impact of SARS-CoV-2 lineage B.1.1.7 in England. <i>Science</i> , 2021, 372, .	12.6	2,103
2	Feasibility of controlling COVID-19 outbreaks by isolation of cases and contacts. <i>The Lancet Global Health</i> , 2020, 8, e488-e496.	6.3	2,067
3	Early dynamics of transmission and control of COVID-19: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 553-558.	9.1	1,999
4	The effect of control strategies to reduce social mixing on outcomes of the COVID-19 epidemic in Wuhan, China: a modelling study. <i>Lancet Public Health</i> , The, 2020, 5, e261-e270.	10.0	1,600
5	Age-dependent effects in the transmission and control of COVID-19 epidemics. <i>Nature Medicine</i> , 2020, 26, 1205-1211.	30.7	1,404
6	Increased mortality in community-tested cases of SARS-CoV-2 lineage B.1.1.7. <i>Nature</i> , 2021, 593, 270-274.	27.8	775
7	Global, regional, and national estimates of the population at increased risk of severe COVID-19 due to underlying health conditions in 2020: a modelling study. <i>The Lancet Global Health</i> , 2020, 8, e1003-e1017.	6.3	760
8	Effects of non-pharmaceutical interventions on COVID-19 cases, deaths, and demand for hospital services in the UK: a modelling study. <i>Lancet Public Health</i> , The, 2020, 5, e375-e385.	10.0	730
9	Effectiveness of isolation, testing, contact tracing, and physical distancing on reducing transmission of SARS-CoV-2 in different settings: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 1151-1160.	9.1	710
10	Susceptibility to SARS-CoV-2 Infection Among Children and Adolescents Compared With Adults. <i>JAMA Pediatrics</i> , 2021, 175, 143.	6.2	707
11	Using a real-world network to model localized COVID-19 control strategies. <i>Nature Medicine</i> , 2020, 26, 1616-1622.	30.7	191
12	Reconstructing the early global dynamics of under-ascertained COVID-19 cases and infections. <i>BMC Medicine</i> , 2020, 18, 332.	5.5	129
13	The potential health and economic value of SARS-CoV-2 vaccination alongside physical distancing in the UK: a transmission model-based future scenario analysis and economic evaluation. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 962-974.	9.1	117
14	Projecting contact matrices in 177 geographical regions: An update and comparison with empirical data for the COVID-19 era. <i>PLoS Computational Biology</i> , 2021, 17, e1009098.	3.2	115
15	Association of tiered restrictions and a second lockdown with COVID-19 deaths and hospital admissions in England: a modelling study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 482-492.	9.1	100
16	The impact of COVID-19 control measures on social contacts and transmission in Kenyan informal settlements. <i>BMC Medicine</i> , 2020, 18, 316.	5.5	88
17	Within-host dynamics shape antibiotic resistance in commensal bacteria. <i>Nature Ecology and Evolution</i> , 2019, 3, 440-449.	7.8	76
18	The contribution of asymptomatic SARS-CoV-2 infections to transmission on the Diamond Princess cruise ship. <i>ELife</i> , 2020, 9, .	6.0	70

#	ARTICLE	IF	CITATIONS
19	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study. BMC Medicine, 2020, 18, 324.	5.5	66
20	A cross-sectional analysis of meteorological factors and SARS-CoV-2 transmission in 409 cities across 26 countries. Nature Communications, 2021, 12, 5968.	12.8	66
21	Use of mathematical modelling to assess the impact of vaccines on antibiotic resistance. Lancet Infectious Diseases, The, 2018, 18, e204-e213.	9.1	63
22	Enforcement is central to the evolution of cooperation. Nature Ecology and Evolution, 2019, 3, 1018-1029.	7.8	61
23	Mathematical modelling for antibiotic resistance control policy: do we know enough?. BMC Infectious Diseases, 2019, 19, 1011.	2.9	37
24	The effectiveness of social bubbles as part of a Covid-19 lockdown exit strategy, a modelling study. Wellcome Open Research, 2020, 5, 213.	1.8	35
25	The effectiveness of social bubbles as part of a Covid-19 lockdown exit strategy, a modelling study. Wellcome Open Research, 2020, 5, 213.	1.8	33
26	COVID-19 vaccination in Sindh Province, Pakistan: A modelling study of health impact and cost-effectiveness. PLoS Medicine, 2021, 18, e1003815.	8.4	33
27	The ecology of sex explains patterns of helping in arthropod societies. Ecology Letters, 2016, 19, 862-872.	6.4	24
28	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.	5.5	24
29	The contribution of hospital-acquired infections to the COVID-19 epidemic in England in the first half of 2020. BMC Infectious Diseases, 2022, 22, .	2.9	22
30	Stark choices: exploring health sector costs of policy responses to COVID-19 in low-income and middle-income countries. BMJ Global Health, 2021, 6, e005759.	4.7	21
31	How immunity from and interaction with seasonal coronaviruses can shape SARS-CoV-2 epidemiology. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
32	Monogamy promotes altruistic sterility in insect societies. Royal Society Open Science, 2018, 5, 172190.	2.4	14
33	Evolution of paternal care in diploid and haplodiploid populations. Journal of Evolutionary Biology, 2014, 27, 1012-1019.	1.7	12
34	Impact of non-pharmaceutical interventions on SARS-CoV-2 outbreaks in English care homes: a modelling study. BMC Infectious Diseases, 2022, 22, 324.	2.9	12
35	How to make a haploid male. Evolution Letters, 2019, 3, 173-184.	3.3	9
36	Modeling the effect of vaccination on selection for antibiotic resistance in <i>Streptococcus pneumoniae</i> . Science Translational Medicine, 2021, 13, .	12.4	9

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37	Unexposed populations and potential COVID-19 hospitalisations and deaths in European countries as per data up to 21 November 2021. Eurosurveillance, 2022, 27, .	7.0	8
38	Effect of Pediatric Influenza Vaccination on Antibiotic Resistance, England and Wales. Emerging Infectious Diseases, 2020, 26, 138-142.	4.3	7
39	The impact of COVID-19 vaccination in prisons in England and Wales: a metapopulation model. BMC Public Health, 2022, 22, 1003.	2.9	4
40	Comparison of methods for predicting COVID-19-related death in the general population using the OpenSAFELY platform. Diagnostic and Prognostic Research, 2022, 6, 6.	1.8	2
41	Reply to: Broad definitions of enforcement are unhelpful for understanding evolutionary mechanisms of cooperation. Nature Ecology and Evolution, 2020, 4, 323-323.	7.8	1
42	Family matters. Nature Ecology and Evolution, 2018, 2, 927-928.	7.8	0
43	Date of introduction and epidemiologic patterns of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Mogadishu, Somalia: estimates from transmission modelling of satellite-based excess mortality data in 2020. Wellcome Open Research, 2021, 6, 255.	1.8	0
44	Date of introduction and epidemiologic patterns of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Mogadishu, Somalia: estimates from transmission modelling of satellite-based excess mortality data in 2020. Wellcome Open Research, 0, 6, 255.	1.8	0
45	Transmission dynamics of SARS-CoV-2 in a strictly-Orthodox Jewish community in the UK. Scientific Reports, 2022, 12, .	3.3	0