

# 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	Unexposed populations and potential COVID-19 hospitalisations and deaths in European countries as per data up to 21 November 2021. <i>Eurosurveillance</i> , 2022, 27, .	7.0	8
2	Comparison of methods for predicting COVID-19-related death in the general population using the OpenSAFELY platform. <i>Diagnostic and Prognostic Research</i> , 2022, 6, 6.	1.8	2
3	Impact of non-pharmaceutical interventions on SARS-CoV-2 outbreaks in English care homes: a modelling study. <i>BMC Infectious Diseases</i> , 2022, 22, 324.	2.9	12
4	The impact of COVID-19 vaccination in prisons in England and Wales: a metapopulation model. <i>BMC Public Health</i> , 2022, 22, 1003.	2.9	4
5	Transmission dynamics of SARS-CoV-2 in a strictly-Orthodox Jewish community in the UK. <i>Scientific Reports</i> , 2022, 12, .	3.3	0
6	The contribution of hospital-acquired infections to the COVID-19 epidemic in England in the first half of 2020. <i>BMC Infectious Diseases</i> , 2022, 22, .	2.9	22
7	Susceptibility to SARS-CoV-2 Infection Among Children and Adolescents Compared With Adults. <i>JAMA Pediatrics</i> , 2021, 175, 143.	6.2	707
8	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
9	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
10	Estimated transmissibility and impact of SARS-CoV-2 lineage B.1.1.7 in England. <i>Science</i> , 2021, 372, .	12.6	2,103
11	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
12	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
13	Modeling the effect of vaccination on selection for antibiotic resistance in <i>Streptococcus pneumoniae</i> . <i>Science Translational Medicine</i> , 2021, 13, .	12.4	9
14	Estimating the impact of reopening schools on the reproduction number of SARS-CoV-2 in England, using weekly contact survey data. <i>BMC Medicine</i> , 2021, 19, 233.	5.5	24
15	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. <i>Wellcome Open Research</i> , 2021, 6, 255.	1.8	0
16	COVID-19 vaccination in Sindh Province, Pakistan: A modelling study of health impact and cost-effectiveness. <i>PLoS Medicine</i> , 2021, 18, e1003815.	8.4	33
17	A cross-sectional analysis of meteorological factors and SARS-CoV-2 transmission in 409 cities across 26 countries. <i>Nature Communications</i> , 2021, 12, 5968.	12.8	66
18	Stark choices: exploring health sector costs of policy responses to COVID-19 in low-income and middle-income countries. <i>BMJ Global Health</i> , 2021, 6, e005759.	4.7	21

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19	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
20	Effect of Pediatric Influenza Vaccination on Antibiotic Resistance, England and Wales. Emerging Infectious Diseases, 2020, 26, 138-142.	4.3	7
21	The impact of COVID-19 control measures on social contacts and transmission in Kenyan informal settlements. BMC Medicine, 2020, 18, 316.	5.5	88
22	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study. BMC Medicine, 2020, 18, 324.	5.5	66
23	Reconstructing the early global dynamics of under-ascertained COVID-19 cases and infections. BMC Medicine, 2020, 18, 332.	5.5	129
24	Using a real-world network to model localized COVID-19 control strategies. Nature Medicine, 2020, 26, 1616-1622.	30.7	191
25	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.	10.0	730
26	Effectiveness of isolation, testing, contact tracing, and physical distancing on reducing transmission of SARS-CoV-2 in different settings: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 1151-1160.	9.1	710
27	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. The Lancet Global Health, 2020, 8, e1003-e1017.	6.3	760
28	Age-dependent effects in the transmission and control of COVID-19 epidemics. Nature Medicine, 2020, 26, 1205-1211.	30.7	1,404
29	Early dynamics of transmission and control of COVID-19: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 553-558.	9.1	1,999
30	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.	10.0	1,600
31	Feasibility of controlling COVID-19 outbreaks by isolation of cases and contacts. The Lancet Global Health, 2020, 8, e488-e496.	6.3	2,067
32	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
33	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
34	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
35	The contribution of asymptomatic SARS-CoV-2 infections to transmission on the Diamond Princess cruise ship. ELife, 2020, 9, .	6.0	70
36	How to make a haploid male. Evolution Letters, 2019, 3, 173-184.	3.3	9

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37	Enforcement is central to the evolution of cooperation. <i>Nature Ecology and Evolution</i> , 2019, 3, 1018-1029.	7.8	61
38	Within-host dynamics shape antibiotic resistance in commensal bacteria. <i>Nature Ecology and Evolution</i> , 2019, 3, 440-449.	7.8	76
39	Mathematical modelling for antibiotic resistance control policy: do we know enough?. <i>BMC Infectious Diseases</i> , 2019, 19, 1011.	2.9	37
40	Family matters. <i>Nature Ecology and Evolution</i> , 2018, 2, 927-928.	7.8	0
41	Use of mathematical modelling to assess the impact of vaccines on antibiotic resistance. <i>Lancet Infectious Diseases</i> , The, 2018, 18, e204-e213.	9.1	63
42	Monogamy promotes altruistic sterility in insect societies. <i>Royal Society Open Science</i> , 2018, 5, 172190.	2.4	14
43	The ecology of sex explains patterns of helping in arthropod societies. <i>Ecology Letters</i> , 2016, 19, 862-872.	6.4	24
44	Evolution of paternal care in diploid and haplodiploid populations. <i>Journal of Evolutionary Biology</i> , 2014, 27, 1012-1019.	1.7	12
45	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. <i>Wellcome Open Research</i> , 0, 6, 255.	1.8	0