

# Carl A B Pearson

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

8,074  
citations

304743

22  
h-index

289244

40  
g-index

70  
all docs

70  
docs citations

70  
times ranked

15588  
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	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
3	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
4	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
5	COVID-19 length of hospital stay: a systematic review and data synthesis. <i>BMC Medicine</i> , 2020, 18, 270.	5.5	430
6	The Long-Term Safety, Public Health Impact, and Cost-Effectiveness of Routine Vaccination with a Recombinant, Live-Attenuated Dengue Vaccine (Dengvaxia): A Model Comparison Study. <i>PLoS Medicine</i> , 2016, 13, e1002181.	8.4	178
7	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. <i>Wellcome Open Research</i> , 0, 5, 112.	1.8	176
8	Quarantine and testing strategies in contact tracing for SARS-CoV-2: a modelling study. <i>Lancet Public Health</i> , The, 2021, 6, e175-e183.	10.0	156
9	Reconstructing the early global dynamics of under-ascertained COVID-19 cases and infections. <i>BMC Medicine</i> , 2020, 18, 332.	5.5	129
10	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
11	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. <i>Wellcome Open Research</i> , 0, 5, 112.	1.8	117
12	Key questions for modelling COVID-19 exit strategies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201405.	2.6	106
13	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
14	Changing travel patterns in China during the early stages of the COVID-19 pandemic. <i>Nature Communications</i> , 2020, 11, 5012.	12.8	86
15	The contribution of asymptomatic SARS-CoV-2 infections to transmission on the Diamond Princess cruise ship. <i>ELife</i> , 2020, 9, .	6.0	70
16	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study. <i>BMC Medicine</i> , 2020, 18, 324.	5.5	66
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	Statistical power and validity of Ebola vaccine trials in Sierra Leone: a simulation study of trial design and analysis. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 703-710.	9.1	64

#	ARTICLE	IF	CITATIONS
19	Forecasting the effectiveness of indoor residual spraying for reducing dengue burden. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006570.	3.0	44
20	Projected Impact of Dengue Vaccination in Yucatán, Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004661.	3.0	44
21	Projected early spread of COVID-19 in Africa through 1 June 2020. <i>Eurosurveillance</i> , 2020, 25, .	7.0	41
22	Effectiveness of interventions targeting air travellers for delaying local outbreaks of SARS-CoV-2. <i>Journal of Travel Medicine</i> , 2020, 27, .	3.0	39
23	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
24	Inferring the number of COVID-19 cases from recently reported deaths. <i>Wellcome Open Research</i> , 2020, 5, 78.	1.8	31
25	Designing effective control of dengue with combined interventions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3319-3325.	7.1	29
26	The effect of travel restrictions on the geographical spread of COVID-19 between large cities in China: a modelling study. <i>BMC Medicine</i> , 2020, 18, 259.	5.5	28
27	Implications of the school-household network structure on SARS-CoV-2 transmission under school reopening strategies in England. <i>Nature Communications</i> , 2021, 12, 1942.	12.8	24
28	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
29	Optimising health and economic impacts of COVID-19 vaccine prioritisation strategies in the WHO European Region: a mathematical modelling study. <i>Lancet Regional Health - Europe</i> , The, 2022, 12, 100267.	5.6	24
30	Detecting behavioural changes in human movement to inform the spatial scale of interventions against COVID-19. <i>PLoS Computational Biology</i> , 2021, 17, e1009162.	3.2	22
31	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
32	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
33	Strategies to reduce the risk of SARS-CoV-2 importation from international travellers: modelling estimations for the United Kingdom, July 2020. <i>Eurosurveillance</i> , 2021, 26, .	7.0	20
34	Dosing interval strategies for two-dose COVID-19 vaccination in 13 middle-income countries of Europe: Health impact modelling and benefit-risk analysis. <i>Lancet Regional Health - Europe</i> , The, 2022, 17, 100381.	5.6	15
35	Serostatus testing and dengue vaccine cost-benefit thresholds. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190234.	3.4	12
36	Comparative assessment of methods for short-term forecasts of COVID-19 hospital admissions in England at the local level. <i>BMC Medicine</i> , 2022, 20, 86.	5.5	12

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37	Process-Driven Inference of Biological Network Structure: Feasibility, Minimality, and Multiplicity. PLoS ONE, 2012, 7, e40330.	2.5	8
38	The impact of COVID-19 vaccination in prisons in England and Wales: a metapopulation model. BMC Public Health, 2022, 22, 1003.	2.9	4
39	Network Class Superposition Analyses. PLoS ONE, 2013, 8, e59046.	2.5	3
40	Pre-vaccination testing could expand coverage of two-dose COVID vaccines. Wellcome Open Research, 0, 6, 105.	1.8	3
41	Evaluating the probability of silent circulation of polio in small populations using the silent circulation statistic. Infectious Disease Modelling, 2019, 4, 239-250.	1.9	2
42	Potential test-negative design study bias in outbreak settings: application to Ebola vaccination in Democratic Republic of Congo. International Journal of Epidemiology, 2022, 51, 265-278.	1.9	1
43	Effect of Population Partitioning on the Probability of Silent Circulation of Poliovirus. Bulletin of Mathematical Biology, 2022, 84, 62.	1.9	0