

# Petra Klepac

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

12,724  
citations

201674

27  
h-index

302126

39  
g-index

57  
all docs

57  
docs citations

57  
times ranked

18647  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in social contacts in England during the COVID-19 pandemic between March 2020 and March 2021 as measured by the CoMix survey: A repeated cross-sectional study. <i>PLoS Medicine</i> , 2022, 19, e1003907.	8.4	67
2	Differential health impact of intervention programs for time-varying disease risk: a measles vaccination modeling study. <i>BMC Medicine</i> , 2022, 20, 113.	5.5	4
3	Estimating the health impact of vaccination against ten pathogens in 98 low-income and middle-income countries from 2000 to 2030: a modelling study. <i>Lancet, The</i> , 2021, 397, 398-408.	13.7	144
4	Engagement and adherence trade-offs for SARS-CoV-2 contact tracing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200270.	4.0	12
5	Dynamics of SARS-CoV-2 with waning immunity in the UK population. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200274.	4.0	31
6	Lives saved with vaccination for 10 pathogens across 112 countries in a pre-COVID-19 world. <i>ELife</i> , 2021, 10, .	6.0	50
7	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
8	Contact tracing is an imperfect tool for controlling COVID-19 transmission and relies on population adherence. <i>Nature Communications</i> , 2021, 12, 5412.	12.8	41
9	How can the public health impact of vaccination be estimated?. <i>BMC Public Health</i> , 2021, 21, 2049.	2.9	11
10	Effect of evidence updates on key determinants of measles vaccination impact: a DynaMICE modelling study in ten high-burden countries. <i>BMC Medicine</i> , 2021, 19, 281.	5.5	9
11	Challenges in evaluating risks and policy options around endemic establishment or elimination of novel pathogens. <i>Epidemics</i> , 2021, 37, 100507.	3.0	4
12	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
13	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study. <i>BMC Medicine</i> , 2020, 18, 324.	5.5	66
14	Fairer financing of vaccines in a world living with COVID-19. <i>BMJ Global Health</i> , 2020, 5, e002951.	4.7	2
15	Using a real-world network to model localized COVID-19 control strategies. <i>Nature Medicine</i> , 2020, 26, 1616-1622.	30.7	191
16	Routine childhood immunisation during the COVID-19 pandemic in Africa: a benefit–risk analysis of health benefits versus excess risk of SARS-CoV-2 infection. <i>The Lancet Global Health</i> , 2020, 8, e1264-e1272.	6.3	265
17	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, The</i> , 2020, 5, e375-e385.	10.0	730
18	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

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19	Quantifying the impact of physical distance measures on the transmission of COVID-19 in the UK. BMC Medicine, 2020, 18, 124.	5.5	563
20	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
21	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
22	Age-dependent effects in the transmission and control of COVID-19 epidemics. Nature Medicine, 2020, 26, 1205-1211.	30.7	1,404
23	Effectiveness of interventions targeting air travellers for delaying local outbreaks of SARS-CoV-2. Journal of Travel Medicine, 2020, 27, .	3.0	39
24	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
25	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
26	Feasibility of controlling COVID-19 outbreaks by isolation of cases and contacts. The Lancet Global Health, 2020, 8, e488-e496.	6.3	2,067
27	Patterns of human social contact and contact with animals in Shanghai, China. Scientific Reports, 2019, 9, 15141.	3.3	61
28	Contagion! The BBC Four Pandemic “ The model behind the documentary. Epidemics, 2018, 24, 49-59.	3.0	75
29	Linking levels of life. Physics of Life Reviews, 2017, 20, 57-59.	2.8	1
30	fluEvidenceSynthesis: An R package for evidence synthesis based analysis of epidemiological outbreaks. PLoS Computational Biology, 2017, 13, e1005838.	3.2	17
31	Self-enforcing regional vaccination agreements. Journal of the Royal Society Interface, 2016, 13, 20150907.	3.4	16
32	Modeling infectious disease dynamics in the complex landscape of global health. Science, 2015, 347, aaa4339.	12.6	492
33	Six challenges in the eradication of infectious diseases. Epidemics, 2015, 10, 97-101.	3.0	35
34	Nine challenges in incorporating the dynamics of behaviour in infectious diseases models. Epidemics, 2015, 10, 21-25.	3.0	174
35	Towards the endgame and beyond: complexities and challenges for the elimination of infectious diseases. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120137.	4.0	103
36	Optimizing Reactive Responses to Outbreaks of Immunizing Infections: Balancing Case Management and Vaccination. PLoS ONE, 2012, 7, e41428.	2.5	17

#	ARTICLE	IF	CITATIONS
37	The stage-structured epidemic: linking disease and demography with a multi-state matrix approach model. <i>Theoretical Ecology</i> , 2011, 4, 301-319.	1.0	51
38	Synthesizing epidemiological and economic optima for control of immunizing infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14366-14370.	7.1	57
39	Stage-structured transmission of phocine distemper virus in the Dutch 2002 outbreak. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 2469-2476.	2.6	35