

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	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
2	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
3	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
4	Age-dependent effects in the transmission and control of COVID-19 epidemics. <i>Nature Medicine</i> , 2020, 26, 1205-1211.	30.7	1,404
5	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
6	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
7	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
8	Quantifying the impact of physical distance measures on the transmission of COVID-19 in the UK. <i>BMC Medicine</i> , 2020, 18, 124.	5.5	563
9	Modeling infectious disease dynamics in the complex landscape of global health. <i>Science</i> , 2015, 347, aaa4339.	12.6	492
10	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
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	Nine challenges in incorporating the dynamics of behaviour in infectious diseases models. <i>Epidemics</i> , 2015, 10, 21-25.	3.0	174
13	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</i> , The, 2021, 397, 398-408.	13.7	144
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	Towards the endgame and beyond: complexities and challenges for the elimination of infectious diseases. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120137.	4.0	103
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	Contagion! The BBC Four Pandemic – The model behind the documentary. <i>Epidemics</i> , 2018, 24, 49-59.	3.0	75
18	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

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19	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study. BMC Medicine, 2020, 18, 324.	5.5	66
20	Patterns of human social contact and contact with animals in Shanghai, China. Scientific Reports, 2019, 9, 15141.	3.3	61
21	Synthesizing epidemiological and economic optima for control of immunizing infections. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14366-14370.	7.1	57
22	The stage-structured epidemic: linking disease and demography with a multi-state matrix approach model. Theoretical Ecology, 2011, 4, 301-319.	1.0	51
23	Lives saved with vaccination for 10 pathogens across 112 countries in a pre-COVID-19 world. ELife, 2021, 10, .	6.0	50
24	Contact tracing is an imperfect tool for controlling COVID-19 transmission and relies on population adherence. Nature Communications, 2021, 12, 5412.	12.8	41
25	Effectiveness of interventions targeting air travellers for delaying local outbreaks of SARS-CoV-2. Journal of Travel Medicine, 2020, 27, .	3.0	39
26	Stage-structured transmission of phocine distemper virus in the Dutch 2002 outbreak. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2469-2476.	2.6	35
27	Six challenges in the eradication of infectious diseases. Epidemics, 2015, 10, 97-101.	3.0	35
28	Dynamics of SARS-CoV-2 with waning immunity in the UK population. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200274.	4.0	31
29	The effect of travel restrictions on the geographical spread of COVID-19 between large cities in China: a modelling study. BMC Medicine, 2020, 18, 259.	5.5	28
30	Optimizing Reactive Responses to Outbreaks of Immunizing Infections: Balancing Case Management and Vaccination. PLoS ONE, 2012, 7, e41428.	2.5	17
31	fluEvidenceSynthesis: An R package for evidence synthesis based analysis of epidemiological outbreaks. PLoS Computational Biology, 2017, 13, e1005838.	3.2	17
32	Self-enforcing regional vaccination agreements. Journal of the Royal Society Interface, 2016, 13, 20150907.	3.4	16
33	Engagement and adherence trade-offs for SARS-CoV-2 contact tracing. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200270.	4.0	12
34	How can the public health impact of vaccination be estimated?. BMC Public Health, 2021, 21, 2049.	2.9	11
35	Effect of evidence updates on key determinants of measles vaccination impact: a DynaMICE modelling study in ten high-burden countries. BMC Medicine, 2021, 19, 281.	5.5	9
36	Challenges in evaluating risks and policy options around endemic establishment or elimination of novel pathogens. Epidemics, 2021, 37, 100507.	3.0	4

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37	Differential health impact of intervention programs for time-varying disease risk: a measles vaccination modeling study. BMC Medicine, 2022, 20, 113.	5.5	4
38	Fairer financing of vaccines in a world living with COVID-19. BMJ Global Health, 2020, 5, e002951.	4.7	2
39	Linking levels of life. Physics of Life Reviews, 2017, 20, 57-59.	2.8	1