

Leon Danon

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

7,907
citations

185998

28
h-index

123241

61
g-index

97
all docs

97
docs citations

97
times ranked

8776
citing authors

#	ARTICLE	IF	CITATIONS
1	MetaWards: A flexible metapopulation framework for modelling disease spread. <i>Journal of Open Source Software</i> , 2022, 7, 3914.	2.0	0
2	Estimating the COVID-19 epidemic trajectory and hospital capacity requirements in South West England: a mathematical modelling framework. <i>BMJ Open</i> , 2021, 11, e041536.	0.8	24
3	A novel approach for evaluating contact patterns and risk mitigation strategies for COVID-19 in English primary schools with application of structured expert judgement. <i>Royal Society Open Science</i> , 2021, 8, 201566.	1.1	7
4	Risk of mortality in patients infected with SARS-CoV-2 variant of concern 202012/1: matched cohort study. <i>BMJ</i> , The, 2021, 372, n579.	3.0	648
5	The population attributable fraction of cases due to gatherings and groups with relevance to COVID-19 mitigation strategies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200273.	1.8	8
6	Mapping social distancing measures to the reproduction number for COVID-19. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200276.	1.8	24
7	Estimates of regional infectivity of COVID-19 in the United Kingdom following imposition of social distancing measures. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200280.	1.8	10
8	A spatial model of COVID-19 transmission in England and Wales: early spread, peak timing and the impact of seasonality. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200272.	1.8	43
9	Modelling that shaped the early COVID-19 pandemic response in the UK. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20210001.	1.8	48
10	Household bubbles and COVID-19 transmission: insights from percolation theory. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200284.	1.8	18
11	Effectiveness of BNT162b2 and ChAdOx1 nCoV-19 COVID-19 vaccination at preventing hospitalisations in people aged at least 80 years: a test-negative, case-control study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 1539-1548.	4.6	115
12	Contacts and behaviours of university students during the COVID-19 pandemic at the start of the 2020/2021 academic year. <i>Scientific Reports</i> , 2021, 11, 11728.	1.6	23
13	Detecting behavioural changes in human movement to inform the spatial scale of interventions against COVID-19. <i>PLoS Computational Biology</i> , 2021, 17, e1009162.	1.5	22
14	Vaccine escape in a heterogeneous population: insights for SARS-CoV-2 from a simple model. <i>Royal Society Open Science</i> , 2021, 8, 210530.	1.1	33
15	High COVID-19 transmission potential associated with re-opening universities can be mitigated with layered interventions. <i>Nature Communications</i> , 2021, 12, 5017.	5.8	43
16	University students and staff able to maintain low daily contact numbers during various COVID-19 guideline periods. <i>Epidemiology and Infection</i> , 2021, 149, .	1.0	1
17	Cell-phone traces reveal infection-associated behavioral change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	9
18	A novel approach to calculate disease incidence for hospital-based health events in England. <i>Lancet</i> , The, 2021, 398, S30.	6.3	3

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19	Flying, phones and flu: Anonymized call records suggest that Keflavik International Airport introduced pandemic H1N1 into Iceland in 2009. <i>Influenza and Other Respiratory Viruses</i> , 2020, 14, 37-45.	1.5	8
20	Factors influencing digital review of pathology test results in an inpatient setting: a cross-sectional study. <i>JAMIA Open</i> , 2020, 3, 290-298.	1.0	2
21	Association of Use of a Meningococcus Group B Vaccine With Group B Invasive Meningococcal Disease Among Children in Portugal. <i>JAMA - Journal of the American Medical Association</i> , 2020, 324, 2187.	3.8	46
22	Upper respiratory tract colonization with <i>Streptococcus pneumoniae</i> in adults. <i>Expert Review of Vaccines</i> , 2020, 19, 353-366.	2.0	31
23	A model of tuberculosis clustering in low incidence countries reveals more transmission in the United Kingdom than the Netherlands between 2010 and 2015. <i>PLoS Computational Biology</i> , 2020, 16, e1007687.	1.5	6
24	A flexible method for optimising sharing of healthcare resources and demand in the context of the COVID-19 pandemic. <i>PLoS ONE</i> , 2020, 15, e0241027.	1.1	27
25	Title is missing!. , 2020, 16, e1007687.		0
26	Title is missing!. , 2020, 16, e1007687.		0
27	Title is missing!. , 2020, 16, e1007687.		0
28	Title is missing!. , 2020, 16, e1007687.		0
29	Title is missing!. , 2020, 16, e1007687.		0
30	Title is missing!. , 2020, 16, e1007687.		0
31	Estimating the contribution of key populations towards the spread of HIV in Dakar, Senegal. <i>Journal of the International AIDS Society</i> , 2018, 21, e25126.	1.2	30
32	Seasonally timed treatment programs for <i>Ascaris lumbricoides</i> to increase impact—An investigation using mathematical models. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006195.	1.3	15
33	Defining the population attributable fraction for infectious diseases. <i>International Journal of Epidemiology</i> , 2017, 46, 976-982.	0.9	21
34	The need for data science in epidemic modelling. <i>Physics of Life Reviews</i> , 2016, 18, 102-104.	1.5	2
35	Pneumococcal Serotypes Colonise the Nasopharynx in Children at Different Densities. <i>PLoS ONE</i> , 2016, 11, e0163435.	1.1	12
36	Testing the hypothesis of preferential attachment in social network formation. <i>EPJ Data Science</i> , 2015, 4, 13.	1.5	7

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37	Strategies for Controlling Non-Transmissible Infection Outbreaks Using a Large Human Movement Data Set. <i>PLoS Computational Biology</i> , 2014, 10, e1003809.	1.5	6
38	New Evidence on the HIV Epidemic in Libya. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2013, 62, 577-583.	0.9	36
39	Social encounter networks: characterizing Great Britain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131037.	1.2	103
40	Filling the Knowledge Gap: Measuring HIV Prevalence and Risk Factors among Men Who Have Sex with Men and Female Sex Workers in Tripoli, Libya. <i>PLoS ONE</i> , 2013, 8, e66701.	1.1	28
41	Social encounter networks: collective properties and disease transmission. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2826-2833.	1.5	95
42	Tools to study trends in community structure: Application to fish and livestock trading networks. <i>Preventive Veterinary Medicine</i> , 2011, 99, 225-228.	0.7	19
43	Networks and the Epidemiology of Infectious Disease. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2011, 2011, 1-28.	0.6	299
44	Optimal information transmission in organizations: search and congestion. <i>Review of Economic Design</i> , 2010, 14, 75-93.	0.2	10
45	Oseltamivir for treatment and prevention of pandemic influenza A/H1N1 virus infection in households, Milwaukee, 2009. <i>BMC Infectious Diseases</i> , 2010, 10, 211.	1.3	43
46	Contingency planning for a deliberate release of smallpox in Great Britain - the role of geographical scale and contact structure. <i>BMC Infectious Diseases</i> , 2010, 10, 25.	1.3	14
47	Student Behavior during a School Closure Caused by Pandemic Influenza A/H1N1. <i>PLoS ONE</i> , 2010, 5, e10425.	1.1	40
48	Individual identity and movement networks for disease metapopulations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8866-8870.	3.3	130
49	Mobile Messaging as Surveillance Tool during Pandemic (H1N1) 2009, Mexico. <i>Emerging Infectious Diseases</i> , 2010, 16, 1488-1489.	2.0	16
50	Surveillance of influenza in Iceland during the 2009 pandemic. <i>Eurosurveillance</i> , 2010, 15, .	3.9	14
51	Mathematical modelling of infectious diseases. <i>British Medical Bulletin</i> , 2009, 92, 33-42.	2.7	131
52	A Motif-Based Approach to Network Epidemics. <i>Bulletin of Mathematical Biology</i> , 2009, 71, 1693-1706.	0.9	48
53	The role of routine versus random movements on the spread of disease in Great Britain. <i>Epidemics</i> , 2009, 1, 250-258.	1.5	41
54	Use of Cumulative Incidence of Novel Influenza A/H1N1 in Foreign Travelers to Estimate Lower Bounds on Cumulative Incidence in Mexico. <i>PLoS ONE</i> , 2009, 4, e6895.	1.1	29

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55	Publisher's Note: Impact of community structure on information transfer [Phys. Rev. E77, 036103 (2008)]. Physical Review E, 2008, 77, .	0.8	1
56	Impact of community structure on information transfer. Physical Review E, 2008, 77, 036103.	0.8	48
57	Host community structure and the maintenance of pathogen diversity. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1715-1721.	1.2	24
58	The effect of size heterogeneity on community identification in complex networks. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P11010-P11010.	0.9	178
59	The real communication network behind the formal chart: Community structure in organizations. Journal of Economic Behavior and Organization, 2006, 61, 653-667.	1.0	43
60	Demographic structure and pathogen dynamics on the network of livestock movements in Great Britain. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1999-2007.	1.2	198
61	Comparing community structure identification. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P09008-P09008.	0.9	1,889
62	Community analysis in social networks. European Physical Journal B, 2004, 38, 373-380.	0.6	167
63	Local Search with Congestion in Complex Communication Networks. Lecture Notes in Computer Science, 2004, , 1078-1085.	1.0	7
64	Self-similar community structure in a network of human interactions. Physical Review E, 2003, 68, 065103.	0.8	1,092
65	COMMUNITY STRUCTURE IN JAZZ. International Journal of Modeling, Simulation, and Scientific Computing, 2003, 06, 565-573.	0.9	881
66	Unified scaling law for earthquakes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2509-2513.	3.3	123
67	Unified Scaling Law for Earthquakes. Physical Review Letters, 2002, 88, 178501.	2.9	577
68	Assessing the Effectiveness of BNT162b2 and ChAdOx1nCoV-19 COVID-19 Vaccination in Prevention of Hospitalisations in Elderly and Frail Adults: A Single Centre Test Negative Case-Control Study. SSRN Electronic Journal, 0, , .	0.4	22
69	Modelling pooling strategies for SARS-CoV-2 testing in a university setting. Wellcome Open Research, 0, 6, 70.	0.9	2
70	Limits of lockdown: characterising essential contacts during strict physical distancing. Wellcome Open Research, 0, 6, 116.	0.9	2