

Lauren M Gardner

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

6,238
citations

19
h-index

65
g-index

65
ext. papers

8,939
ext. citations

9.8
avg, IF

7.81
L-index

#	Paper	IF	Citations
55	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2113561119	11.5	119
54	Combining genomic and epidemiological data to compare the transmissibility of SARS-CoV-2 variants Alpha and Iota.. <i>Communications Biology</i> , 2022 , 5, 439	6.7	1
53	Modeling to inform economy-wide pandemic policy: Bringing epidemiologists and economists together.. <i>Health Economics (United Kingdom)</i> , 2022 ,	2.4	1
52	Examining association between cohesion and diversity in collaboration networks of pharmaceutical clinical trials with drug approvals. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 62-70	8.6	
51	Socioeconomic and environmental patterns behind H1N1 spreading in Sweden. <i>Scientific Reports</i> , 2021 , 11, 22512	4.9	0
50	Limitations of using mobile phone data to model COVID-19 transmission in the USA. <i>Lancet Infectious Diseases, The</i> , 2021 , 21, e113	25.5	25
49	Associations between meteorology and COVID-19 in early studies: Inconsistencies, uncertainties, and recommendations. <i>One Health</i> , 2021 , 12, 100225	7.6	23
48	A need for open public data standards and sharing in light of COVID-19. <i>Lancet Infectious Diseases, The</i> , 2021 , 21, e80	25.5	28
47	Emergence of an early SARS-CoV-2 epidemic in the United States 2021 ,		3
46	A review of models applied to the geographic spread of Zika virus. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021 , 115, 956-964	2	0
45	Emergence of an early SARS-CoV-2 epidemic in the United States. <i>Cell</i> , 2021 , 184, 4939-4952.e15	56.2	2
44	An interactive web-based dashboard to track COVID-19 in real time. <i>Lancet Infectious Diseases, The</i> , 2020 , 20, 533-534	25.5	5082
43	A simple contagion process describes spreading of traffic jams in urban networks. <i>Nature Communications</i> , 2020 , 11, 1616	17.4	28
42	Association between mobility patterns and COVID-19 transmission in the USA: a mathematical modelling study. <i>Lancet Infectious Diseases, The</i> , 2020 , 20, 1247-1254	25.5	363
41	Persistence of US measles risk due to vaccine hesitancy and outbreaks abroad. <i>Lancet Infectious Diseases, The</i> , 2020 , 20, 1114-1115	25.5	11
40	Modeling the relative role of human mobility, land-use and climate factors on dengue outbreak emergence in Sri Lanka. <i>BMC Infectious Diseases</i> , 2020 , 20, 649	4	3
39	Discovering the Hidden Community Structure of Public Transportation Networks. <i>Networks and Spatial Economics</i> , 2020 , 20, 209-231	1.9	7

38	Travel Surveillance and Genomics Uncover a Hidden Zika Outbreak during the Waning Epidemic. <i>Cell</i> , 2019 , 178, 1057-1071.e11	56.2	45
37	A dynamic neural network model for predicting risk of Zika in real time. <i>BMC Medicine</i> , 2019 , 17, 171	11.4	43
36	Measles resurgence in the USA: how international travel compounds vaccine resistance. <i>Lancet Infectious Diseases</i> , 2019 , 19, 684-686	25.5	27
35	A decision-support framework to optimize border control for global outbreak mitigation. <i>Scientific Reports</i> , 2019 , 9, 2216	4.9	32
34	A global model for predicting the arrival of imported dengue infections. <i>PLoS ONE</i> , 2019 , 14, e0225193	3.7	12
33	Policy implications of incorporating distance constrained electric vehicles into the traffic network design problem. <i>Transportation Letters</i> , 2018 , 10, 144-158	2.1	9
32	Modelling the global maritime container network. <i>Maritime Economics and Logistics</i> , 2018 , 20, 400-420	2.6	5
31	Two Methods to Calibrate the Total Travel Demand and Variability for a Regional Traffic Network. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2018 , 33, 282-299	8.4	7
30	A Strategic User Equilibrium for Independently Distributed Origin-Destination Demands. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2018 , 33, 316-332	8.4	7
29	Estimation of sparse OD matrix accounting for demand volatility. <i>IET Intelligent Transport Systems</i> , 2018 , 12, 1020-1026	2.4	0
28	Inferring the risk factors behind the geographical spread and transmission of Zika in the Americas. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006194	4.8	45
27	Translation of Real-Time Infectious Disease Modeling into Routine Public Health Practice. <i>Emerging Infectious Diseases</i> , 2017 , 23,	10.2	19
26	Identifying Critical Components of a Public Transit System for Outbreak Control. <i>Networks and Spatial Economics</i> , 2017 , 17, 1137-1159	1.9	18
25	Multiscale Network Model for Evaluating Global Outbreak Control Strategies. <i>Transportation Research Record</i> , 2017 , 2626, 42-50	1.7	3
24	Vector status of Aedes species determines geographical risk of autochthonous Zika virus establishment. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005487	4.8	23
23	Influenza A H5N1 and H7N9 in China: A spatial risk analysis. <i>PLoS ONE</i> , 2017 , 12, e0174980	3.7	11
22	Finding Outbreak Trees in Networks with Limited Information. <i>Networks and Spatial Economics</i> , 2016 , 16, 687-721	1.9	6
21	Risk of global spread of Middle East respiratory syndrome coronavirus (MERS-CoV) via the air transport network. <i>Journal of Travel Medicine</i> , 2016 , 23,	12.9	29

20	Zika virus in Pakistan: the tip of the iceberg?. <i>The Lancet Global Health</i> , 2016 , 4, e913-e914	13.6	8
19	Global risk of Zika virus depends critically on vector status of <i>Aedes albopictus</i> . <i>Lancet Infectious Diseases</i> , 2016 , 16, 522-523	25.5	55
18	Bilevel Optimization Model for the Development of Real-Time Strategies to Minimize Epidemic Spreading Risk in Air Traffic Networks. <i>Transportation Research Record</i> , 2016 , 2569, 62-69	1.7	8
17	Organ-to-Cell-Scale Health Assessment Using Geographical Information System Approaches with Multibeam Scanning Electron Microscopy. <i>Advanced Healthcare Materials</i> , 2016 , 5, 1581-7	10.1	10
16	Risk of Dengue Spread from the Philippines through International Air Travel. <i>Transportation Research Record</i> , 2015 , 2501, 25-30	1.7	10
15	Incorporating Departure Time Choice into High-occupancy/toll (HOT) Algorithm Evaluation. <i>Transportation Research Procedia</i> , 2015 , 9, 90-105	2.4	5
14	Unanswered questions about the Middle East respiratory syndrome coronavirus (MERS-CoV). <i>BMC Research Notes</i> , 2014 , 7, 358	2.3	15
13	Robust Tolling Schemes for High-Occupancy Toll Facilities under Variable Demand. <i>Transportation Research Record</i> , 2014 , 2450, 152-162	1.7	5
12	Inferring Contagion Patterns in Social Contact Networks Using a Maximum Likelihood Approach. <i>Natural Hazards Review</i> , 2014 , 15, 04014004	3.5	7
11	A scenario-based evaluation of the Middle East respiratory syndrome coronavirus and the Hajj. <i>Risk Analysis</i> , 2014 , 34, 1391-400	3.9	17
10	Inferring Contagion Patterns in Social Contact Networks with Limited Infection Data. <i>Networks and Spatial Economics</i> , 2013 , 13, 399-426	1.9	15
9	Development and comparison of choice models and tolling schemes for high-occupancy/toll (HOT) facilities. <i>Transportation Research Part B: Methodological</i> , 2013 , 55, 142-153	7.2	29
8	A global airport-based risk model for the spread of dengue infection via the air transport network. <i>PLoS ONE</i> , 2013 , 8, e72129	3.7	41
7	A predictive spatial model to quantify the risk of air-travel-associated dengue importation into the United States and Europe. <i>Journal of Tropical Medicine</i> , 2012 , 2012, 103679	2.4	37
6	Inferring Infection-Spreading Links in an Air Traffic Network. <i>Transportation Research Record</i> , 2012 , 2300, 13-21	1.7	11
5	Socio-economic and environmental patterns behind H1N1 spreading in Sweden		2
4	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the US		20
3	Modeling the relative role of human mobility, land-use and climate factors on dengue outbreak emergence in Sri Lanka		1

2	A dynamic neural network model for predicting risk of Zika in real-time	3
1	International travelers and genomics uncover a hidden Zika outbreak	1