Lauren M Gardner

List of Publications by Citations

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	An interactive web-based dashboard to track COVID-19 in real time. *Lancet Infectious Diseases, The*, **2020**, 20, 533-534	25.5	5082
54	Association between mobility patterns and COVID-19 transmission in the USA: a mathematical modelling study. *Lancet Infectious Diseases, The*, **2020**, 20, 1247-1254	25.5	363
53	Global risk of Zika virus depends critically on vector status of Aedes albopictus. *Lancet Infectious Diseases, The*, **2016**, 16, 522-523	25.5	55
52	Travel Surveillance and Genomics Uncover a Hidden Zika Outbreak during the Waning Epidemic. *Cell*, **2019**, 178, 1057-1071.e11	56.2	45
51	Inferring the risk factors behind the geographical spread and transmission of Zika in the Americas. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006194	4.8	45
50	A dynamic neural network model for predicting risk of Zika in real time. *BMC Medicine*, **2019**, 17, 171	11.4	43
49	A global airport-based risk model for the spread of dengue infection via the air transport network. *PLoS ONE*, **2013**, 8, e72129	3.7	41
48	A predictive spatial model to quantify the risk of air-travel-associated dengue importation into the United States and europe. *Journal of Tropical Medicine*, **2012**, 2012, 103679	2.4	37
47	A decision-support framework to optimize border control for global outbreak mitigation. *Scientific Reports*, **2019**, 9, 2216	4.9	32
46	Risk of global spread of Middle East respiratory syndrome coronavirus (MERS-CoV) via the air transport network. *Journal of Travel Medicine*, **2016**, 23,	12.9	29
45	Development and comparison of choice models and tolling schemes for high-occupancy/toll (HOT) facilities. *Transportation Research Part B: Methodological*, **2013**, 55, 142-153	7.2	29
44	A simple contagion process describes spreading of traffic jams in urban networks. *Nature Communications*, **2020**, 11, 1616	17.4	28
43	A need for open public data standards and sharing in light of COVID-19. *Lancet Infectious Diseases, The*, **2021**, 21, e80	25.5	28
42	Measles resurgence in the USA: how international travel compounds vaccine resistance. *Lancet Infectious Diseases, The*, **2019**, 19, 684-686	25.5	27
41	Limitations of using mobile phone data to model COVID-19 transmission in the USA. *Lancet Infectious Diseases, The*, **2021**, 21, e113	25.5	25
40	Vector status of Aedes species determines geographical risk of autochthonous Zika virus establishment. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005487	4.8	23
39	Associations between meteorology and COVID-19 in early studies: Inconsistencies, uncertainties, and recommendations. *One Health*, **2021**, 12, 100225	7.6	23

38	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the US		20
37	Translation of Real-Time Infectious Disease Modeling into Routine Public Health Practice. *Emerging Infectious Diseases*, **2017**, 23,	10.2	19
36	Identifying Critical Components of a Public Transit System for Outbreak Control. *Networks and Spatial Economics*, **2017**, 17, 1137-1159	1.9	18
35	A scenario-based evaluation of the Middle East respiratory syndrome coronavirus and the Hajj. *Risk Analysis*, **2014**, 34, 1391-400	3.9	17
34	Unanswered questions about the Middle East respiratory syndrome coronavirus (MERS-CoV). *BMC Research Notes*, **2014**, 7, 358	2.3	15
33	Inferring Contagion Patterns in Social Contact Networks with Limited Infection Data. *Networks and Spatial Economics*, **2013**, 13, 399-426	1.9	15
32	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2113561119	11.5	13
31	A global model for predicting the arrival of imported dengue infections. *PLoS ONE*, **2019**, 14, e0225193	3.7	12
30	Inferring Infection-Spreading Links in an Air Traffic Network. *Transportation Research Record*, **2012**, 2300, 13-21	1.7	11
29	Influenza A H5N1 and H7N9 in China: A spatial risk analysis. *PLoS ONE*, **2017**, 12, e0174980	3.7	11
28	Persistence of US measles risk due to vaccine hesitancy and outbreaks abroad. *Lancet Infectious Diseases, The*, **2020**, 20, 1114-1115	25.5	11
27	Risk of Dengue Spread from the Philippines through International Air Travel. *Transportation Research Record*, **2015**, 2501, 25-30	1.7	10
26	Organ-to-Cell-Scale Health Assessment Using Geographical Information System Approaches with Multibeam Scanning Electron Microscopy. *Advanced Healthcare Materials*, **2016**, 5, 1581-7	10.1	10
25	Policy implications of incorporating distance constrained electric vehicles into the traffic network design problem. *Transportation Letters*, **2018**, 10, 144-158	2.1	9
24	Zika virus in Pakistan: the tip of the iceberg?. *The Lancet Global Health*, **2016**, 4, e913-e914	13.6	8
23	Bilevel Optimization Model for the Development of Real-Time Strategies to Minimize Epidemic Spreading Risk in Air Traffic Networks. *Transportation Research Record*, **2016**, 2569, 62-69	1.7	8
22	Two Methods to Calibrate the Total Travel Demand and Variability for a Regional Traffic Network. *Computer-Aided Civil and Infrastructure Engineering*, **2018**, 33, 282-299	8.4	7
21	A Strategic User Equilibrium for Independently Distributed Origin-Destination Demands. *Computer-Aided Civil and Infrastructure Engineering*, **2018**, 33, 316-332	8.4	7

20	Inferring Contagion Patterns in Social Contact Networks Using a Maximum Likelihood Approach. *Natural Hazards Review*, **2014**, 15, 04014004	3.5	7
19	Discovering the Hidden Community Structure of Public Transportation Networks. *Networks and Spatial Economics*, **2020**, 20, 209-231	1.9	7
18	Finding Outbreak Trees in Networks with Limited Information. *Networks and Spatial Economics*, **2016**, 16, 687-721	1.9	6
17	Modelling the global maritime container network. *Maritime Economics and Logistics*, **2018**, 20, 400-420	2.6	5
16	Robust Tolling Schemes for High-Occupancy Toll Facilities under Variable Demand. *Transportation Research Record*, **2014**, 2450, 152-162	1.7	5
15	Incorporating Departure Time Choice into High-occupancy/toll (HOT) Algorithm Evaluation. *Transportation Research Procedia*, **2015**, 9, 90-105	2.4	5
14	Multiscale Network Model for Evaluating Global Outbreak Control Strategies. *Transportation Research Record*, **2017**, 2626, 42-50	1.7	3
13	A dynamic neural network model for predicting risk of Zika in real-time		3
12	Modeling the relative role of human mobility, land-use and climate factors on dengue outbreak emergence in Sri Lanka. *BMC Infectious Diseases*, **2020**, 20, 649	4	3
11	Emergence of an early SARS-CoV-2 epidemic in the United States **2021**,		3
10	Socio-economic and environmental patterns behind H1N1 spreading in Sweden		2
9	Emergence of an early SARS-CoV-2 epidemic in the United States. *Cell*, **2021**, 184, 4939-4952.e15	56.2	2
8	Modeling the relative role of human mobility, land-use and climate factors on dengue outbreak emergence in Sri Lanka		1
7	International travelers and genomics uncover a Hidden Zika outbreak		1
6	Combining genomic and epidemiological data to compare the transmissibility of SARS-CoV-2 variants Alpha and Iota.. *Communications Biology*, **2022**, 5, 439	6.7	1
5	Modeling to inform economy-wide pandemic policy: Bringing epidemiologists and economists together.. *Health Economics (United Kingdom)*, **2022**,	2.4	1
4	Estimation of sparse OD matrix accounting for demand volatility. *IET Intelligent Transport Systems*, **2018**, 12, 1020-1026	2.4	0
3	Socioeconomic and environmental patterns behind H1N1 spreading in Sweden. *Scientific Reports*, **2021**, 11, 22512	4.9	0

2	A review of models applied to the geographic spread of Zika virus. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2021**, 115, 956-964	2	0
1	Examining association between cohesion and diversity in collaboration networks of pharmaceutical clinical trials with drug approvals. *Journal of the American Medical Informatics Association: JAMIA*, **2021**, 28, 62-70	8.6	