

Achla Marathe

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,311
citations

394421

19
h-index

395702

33
g-index

55
all docs

55
docs citations

55
times ranked

1400
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural disaster evacuation modeling: the dichotomy of fear of crime and social influence. <i>Social Network Analysis and Mining</i> , 2022, 12, 1.	2.8	2
2	A framework for the comparison of agent-based models. <i>Autonomous Agents and Multi-Agent Systems</i> , 2022, 36, .	2.1	1
3	Epidemiological and economic impact of COVID-19 in the US. <i>Scientific Reports</i> , 2021, 11, 20451.	3.3	35
4	Potential impact of 5 years of ivermectin mass drug administration on malaria outcomes in high burden countries. <i>BMJ Global Health</i> , 2021, 6, e006424.	4.7	1
5	AI-Driven Agent-Based Models to Study the Role of Vaccine Acceptance in Controlling COVID-19 Spread in the US. , 2021, , .		1
6	Medical costs of keeping the US economy open during COVID-19. <i>Scientific Reports</i> , 2020, 10, 18422.	3.3	32
7	Critical Spatial Clusters for Vaccine Preventable Diseases. <i>Lecture Notes in Computer Science</i> , 2020, 12268, 213-223.	1.3	2
8	Two-Mode Threshold Graph Dynamical Systems for Modeling Evacuation Decision-Making During Disaster Events. <i>Studies in Computational Intelligence</i> , 2020, , 519-531.	0.9	3
9	Impact of demographic disparities in social distancing and vaccination on influenza epidemics in urban and rural regions of the United States. <i>BMC Infectious Diseases</i> , 2019, 19, 221.	2.9	19
10	A framework for discovering health disparities among cohorts in an influenza epidemic. <i>World Wide Web</i> , 2019, 22, 2997-3020.	4.0	8
11	Discovery of under immunized spatial clusters using network scan statistics. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 28.	3.0	11
12	Detection of Spatiotemporal Prescription Opioid Hot Spots With Network Scan Statistics: Multistate Analysis. <i>JMIR Public Health and Surveillance</i> , 2019, 5, e12110.	2.6	12
13	Disparities in spread and control of influenza in slums of Delhi: findings from an agent-based modelling study. <i>BMJ Open</i> , 2018, 8, e017353.	1.9	36
14	Feedback Between Behavioral Adaptations and Disease Dynamics. <i>Scientific Reports</i> , 2018, 8, 12452.	3.3	6
15	Demographics, perceptions, and socioeconomic factors affecting influenza vaccination among adults in the United States. <i>PeerJ</i> , 2018, 6, e5171.	2.0	70
16	Behavior Model Calibration for Epidemic Simulations. <i>Proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems</i> , 2018, 2018, 1640-1648.	0.0	0
17	Energy Demand Model for Residential Sector: A First Principles Approach. <i>IEEE Transactions on Sustainable Energy</i> , 2017, 8, 1215-1224.	8.8	30
18	Individual and Collective Behavior in Public Health Epidemiology. <i>Handbook of Statistics</i> , 2017, 36, 329-365.	0.6	13

#	ARTICLE	IF	CITATIONS
19	Epidemiological and economic impact of pandemic influenza in Chicago: Priorities for vaccine interventions. <i>PLoS Computational Biology</i> , 2017, 13, e1005521.	3.2	19
20	Combining Participatory Influenza Surveillance with Modeling and Forecasting: Three Alternative Approaches. <i>JMIR Public Health and Surveillance</i> , 2017, 3, e83.	2.6	42
21	Effect of modelling slum populations on influenza spread in Delhi. <i>BMJ Open</i> , 2016, 6, e011699.	1.9	24
22	Forecasting Social Unrest Using Activity Cascades. <i>PLoS ONE</i> , 2015, 10, e0128879.	2.5	45
23	Fairness versus Efficiency of Vaccine Allocation Strategies. <i>Value in Health</i> , 2015, 18, 278-283.	0.3	18
24	Public and health professionalsâ€™ misconceptions about the dynamics of body weight gain/loss. <i>System Dynamics Review</i> , 2014, 30, 58-74.	1.9	32
25	Impact of Paid Sick Leave Policy: A Social Planner's Perspective. <i>American Journal of Public Health</i> , 2014, 104, e1-e1.	2.7	3
26	Integrated Multi-Network Modeling Environment for Spectrum Management. <i>IEEE Journal on Selected Areas in Communications</i> , 2013, 31, 1158-1168.	14.0	11
27	Analysis of friendship network and its role in explaining obesity. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2013, 4, 1-21.	4.5	8
28	Policy Trap and Optimal Subsidization Policy under Limited Supply of Vaccines. <i>PLoS ONE</i> , 2013, 8, e67249.	2.5	2
29	Analysis of policy instruments for enhanced competition in spectrum auction. , 2012, , .		4
30	Human Initiated Cascading Failures in Societal Infrastructures. <i>PLoS ONE</i> , 2012, 7, e45406.	2.5	19
31	Economic and social impact of influenza mitigation strategies by demographic class. <i>Epidemics</i> , 2011, 3, 19-31.	3.0	46
32	Modeling cellular network traffic with mobile call graph constraints. , 2011, , .		4
33	Impact of geographic complementarity in dynamic spectrum access. , 2011, , .		4
34	Sensitivity of Household Transmission to Household Contact Structure and Size. <i>PLoS ONE</i> , 2011, 6, e22461.	2.5	23
35	Comparing Effectiveness of Top-Down and Bottom-Up Strategies in Containing Influenza. <i>PLoS ONE</i> , 2011, 6, e25149.	2.5	24
36	An Integrated Modeling Environment to Study the Co-evolution of Networks, Individual Behavior and Epidemics. <i>AI Magazine</i> , 2010, 31, 75.	1.6	21

#	ARTICLE	IF	CITATIONS
37	Cascading failures in multiple infrastructures: From transportation to communication network. , 2010, , .		35
38	Detail in network models of epidemiology: are we there yet?. Journal of Biological Dynamics, 2010, 4, 446-455.	1.7	30
39	Synthesis and Analysis of Spatio-Temporal Spectrum Demand Patterns: A First Principles Approach. , 2010, , .		9
40	Same influenza vaccination strategies but different outcomes across US cities?. International Journal of Infectious Diseases, 2010, 14, e792-e795.	3.3	10
41	Implications of Dynamic Spectrum Access on the Efficiency of Primary Wireless Market. , 2010, , .		15
42	Network Topology and Locational Market Power. Computational Economics, 2009, 34, 21-35.	2.6	3
43	Locational market power in network constrained markets. Journal of Economic Behavior and Organization, 2009, 70, 416-430.	2.0	18
44	The structure of electrical networks: a graph theory based analysis. International Journal of Critical Infrastructures, 2009, 5, 265.	0.2	20
45	Causality relationship between electricity consumption and GDP in Bangladesh. Energy Policy, 2007, 35, 395-402.	8.8	314
46	A computational approach to modeling commodity markets. Computational Economics, 2007, 30, 125-142.	2.6	9
47	Important variables in explaining real-time peak price in the independent power market of Ontario. Utilities Policy, 2005, 13, 27-39.	4.0	8
48	Gains from an integrated market for tradable renewable energy credits. Ecological Economics, 2004, 49, 259-272.	5.7	39
49	Assessing the efficiency of US electricity markets. Utilities Policy, 2003, 11, 75-86.	4.0	26
50	Liquidity and stock returns in emerging equity markets. Emerging Markets Review, 2003, 4, 1-24.	4.4	120
51	Statistical Analysis of Algorithms: A Case Study of Market-Clearing Mechanisms in the Power Industry. Journal of Graph Algorithms and Applications, 2003, 7, 3-31.	0.4	4
52	Stock Market Bubblesâ€™Some Historical Perspective. Journal of Investing, 1995, 4, 63-73.	0.2	0
53	Predictability of stock returns and real output. Quarterly Review of Economics and Finance, 1994, 34, 317-331.	2.7	12