Achla Marathe

List of Publications by Year
in descending order

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Version: 2024-02-01

53	1,311	394421	395702
papers	citations	19 h-index	33 g-index

55	55	55	1400
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Causality relationship between electricity consumption and GDP in Bangladesh. Energy Policy, 2007, 35, 395-402.	8.8	314
2	Liquidity and stock returns in emerging equity markets. Emerging Markets Review, 2003, 4, 1-24.	4.4	120
3	Demographics, perceptions, and socioeconomic factors affecting influenza vaccination among adults in the UnitedÂStates. PeerJ, 2018, 6, e5171.	2.0	70
4	Economic and social impact of influenza mitigation strategies by demographic class. Epidemics, 2011, 3, 19-31.	3.0	46
5	Forecasting Social Unrest Using Activity Cascades. PLoS ONE, 2015, 10, e0128879.	2.5	45
6	Combining Participatory Influenza Surveillance with Modeling and Forecasting: Three Alternative Approaches. JMIR Public Health and Surveillance, 2017, 3, e83.	2.6	42
7	Gains from an integrated market for tradable renewable energy credits. Ecological Economics, 2004, 49, 259-272.	5.7	39
8	Disparities in spread and control of influenza in slums of Delhi: findings from an agent-based modelling study. BMJ Open, 2018, 8, e017353.	1.9	36
9	Cascading failures in multiple infrastructures: From transportation to communication network. , 2010, , .		35
10	Epidemiological and economic impact of COVID-19 in the US. Scientific Reports, 2021, 11, 20451.	3.3	35
11	Public and health professionalsâ€™ misconceptions about the dynamics of body weight gain/loss. System Dynamics Review, 2014, 30, 58-74.	1.9	32
12	Medical costs of keeping the US economy open during COVID-19. Scientific Reports, 2020, 10, 18422.	3.3	32
13	Detail in network models of epidemiology: are we there yet?. Journal of Biological Dynamics, 2010, 4, 446-455.	1.7	30
14	Energy Demand Model for Residential Sector: A First Principles Approach. IEEE Transactions on Sustainable Energy, 2017, 8, 1215-1224.	8.8	30
15	Assessing the efficiency of US electricity markets. Utilities Policy, 2003, 11, 75-86.	4.0	26
16	Effect of modelling slum populations on influenza spread in Delhi. BMJ Open, 2016, 6, e011699.	1.9	24
17	Comparing Effectiveness of Top-Down and Bottom-Up Strategies in Containing Influenza. PLoS ONE, 2011, 6, e25149.	2.5	24
18	Sensitivity of Household Transmission to Household Contact Structure and Size. PLoS ONE, 2011, 6, e22461.	2.5	23

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19	An Integrated Modeling Environment to Study the Co-evolution of Networks, Individual Behavior and Epidemics. AI Magazine, 2010, 31, 75.	1.6	21
20	The structure of electrical networks: a graph theory based analysis. International Journal of Critical Infrastructures, 2009, 5, 265.	0.2	20
21	Impact of demographic disparities in social distancing and vaccination on influenza epidemics in urban and rural regions of the United States. BMC Infectious Diseases, 2019, 19, 221.	2.9	19
22	Epidemiological and economic impact of pandemic influenza in Chicago: Priorities for vaccine interventions. PLoS Computational Biology, 2017, 13, e1005521.	3.2	19
23	Human Initiated Cascading Failures in Societal Infrastructures. PLoS ONE, 2012, 7, e45406.	2.5	19
24	Locational market power in network constrained markets. Journal of Economic Behavior and Organization, 2009, 70, 416-430.	2.0	18
25	Fairness versus Efficiency of Vaccine Allocation Strategies. Value in Health, 2015, 18, 278-283.	0.3	18
26	Implications of Dynamic Spectrum Access on the Efficiency of Primary Wireless Market. , 2010, , .		15
27	Individual and Collective Behavior in Public Health Epidemiology. Handbook of Statistics, 2017, 36, 329-365.	0.6	13
28	Predictability of stock returns and real output. Quarterly Review of Economics and Finance, 1994, 34, 317-331.	2.7	12
29	Detection of Spatiotemporal Prescription Opioid Hot Spots With Network Scan Statistics: Multistate Analysis. JMIR Public Health and Surveillance, 2019, 5, e12110.	2.6	12
30	Integrated Multi-Network Modeling Environment for Spectrum Management. IEEE Journal on Selected Areas in Communications, 2013, 31, 1158-1168.	14.0	11
31	Discovery of under immunized spatial clusters using network scan statistics. BMC Medical Informatics and Decision Making, 2019, 19, 28.	3.0	11
32	Same influenza vaccination strategies but different outcomes across US cities?. International Journal of Infectious Diseases, 2010, 14, e792-e795.	3.3	10
33	A computational approach to modeling commodity markets. Computational Economics, 2007, 30, 125-142.	2.6	9
34	Synthesis and Analysis of Spatio-Temporal Spectrum Demand Patterns: A First Principles Approach. , 2010, , .		9
35	Important variables in explaining real-time peak price in the independent power market of Ontario. Utilities Policy, 2005, 13, 27-39.	4.0	8
36	Analysis of friendship network and its role in explaining obesity. ACM Transactions on Intelligent Systems and Technology, 2013, 4, 1-21.	4.5	8

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37	A framework for discovering health disparities among cohorts in an influenza epidemic. World Wide Web, 2019, 22, 2997-3020.	4.0	8
38	Feedback Between Behavioral Adaptations and Disease Dynamics. Scientific Reports, 2018, 8, 12452.	3.3	6
39	Modeling cellular network traffic with mobile call graph constraints. , 2011, , .		4
40	Impact of geographic complementarity in dynamic spectrum access. , 2011, , .		4
41	Analysis of policy instruments for enhanced competition in spectrum auction. , 2012, , .		4
42	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
43	Network Topology and Locational Market Power. Computational Economics, 2009, 34, 21-35.	2.6	3
44	Impact of Paid Sick Leave Policy: A Social Planner's Perspective. American Journal of Public Health, 2014, 104, e1-e1.	2.7	3
45	Two-Mode Threshold Graph Dynamical Systems for Modeling Evacuation Decision-Making During Disaster Events. Studies in Computational Intelligence, 2020, , 519-531.	0.9	3
46	Critical Spatial Clusters for Vaccine Preventable Diseases. Lecture Notes in Computer Science, 2020, 12268, 213-223.	1.3	2
47	Policy Trap and Optimal Subsidization Policy under Limited Supply of Vaccines. PLoS ONE, 2013, 8, e67249.	2.5	2
48	Natural disaster evacuation modeling: the dichotomy of fear of crime and social influence. Social Network Analysis and Mining, 2022, 12, 1.	2.8	2
49	Potential impact of 5 years of ivermectin mass drug administration on malaria outcomes in high burden countries. BMJ Global Health, 2021, 6, e006424.	4.7	1
50	AI-Driven Agent-Based Models to Study the Role of Vaccine Acceptance in Controlling COVID-19 Spread in the US. , 2021, , .		1
51	A framework for the comparison of agent-based models. Autonomous Agents and Multi-Agent Systems, 2022, 36, .	2.1	1
52	Stock Market Bubblesâ€"Some Historical Perspective. Journal of Investing, 1995, 4, 63-73.	0.2	0
53	Behavior Model Calibration for Epidemic Simulations. Proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems, 2018, 2018, 1640-1648.	0.0	0