

Mahendra Piraveenan

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

891
citations

567144

15
h-index

610775

24
g-index

34
all docs

34
docs citations

34
times ranked

909
citing authors

#	ARTICLE	IF	CITATIONS
1	Game Theory in Defence Applications: A Review. <i>Sensors</i> , 2022, 22, 1032.	2.1	19
2	Optimal governance and implementation of vaccination programmes to contain the COVID-19 pandemic. <i>Royal Society Open Science</i> , 2021, 8, 210429.	1.1	63
3	Quantifying the Robustness of Complex Networks with Heterogeneous Nodes. <i>Mathematics</i> , 2021, 9, 2769.	1.1	12
4	Impact of network assortativity on epidemic and vaccination behaviour. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110143.	2.5	16
5	Topology of International Supply Chain Networks: A Case Study Using Factset Revere Datasets. <i>IEEE Access</i> , 2020, 8, 154540-154559.	2.6	9
6	Game theoretic modelling of infectious disease dynamics and intervention methods: a review. <i>Journal of Biological Dynamics</i> , 2020, 14, 57-89.	0.8	102
7	The Effects of Imitation Dynamics on Vaccination Behaviours in SIR-Network Model. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2477.	1.2	23
8	Applications of Game Theory in Project Management: A Structured Review and Analysis. <i>Mathematics</i> , 2019, 7, 858.	1.1	20
9	Assortativity and mixing patterns in international supply chain networks. <i>Chaos</i> , 2019, 29, 023124.	1.0	8
10	Overlay Community detection using Community Networks. , 2018, , .		1
11	Urbanization affects peak timing, prevalence, and bimodality of influenza pandemics in Australia: Results of a census-calibrated model. <i>Science Advances</i> , 2018, 4, eaau5294.	4.7	56
12	Investigating spatiotemporal dynamics and synchrony of influenza epidemics in Australia: An agent-based modelling approach. <i>Simulation Modelling Practice and Theory</i> , 2018, 87, 412-431.	2.2	62
13	Criticality and Information Dynamics in Epidemiological Models. <i>Entropy</i> , 2017, 19, 194.	1.1	29
14	Optimising influence in social networks using bounded rationality models. <i>Social Network Analysis and Mining</i> , 2016, 6, 1.	1.9	7
15	Modeling networked systems using the topologically distributed bounded rationality framework. <i>Complexity</i> , 2016, 21, 123-137.	0.9	12
16	A set of measures to quantify the dynamicity of longitudinal social networks. <i>Complexity</i> , 2016, 21, 309-320.	0.9	18
17	Emergence of scale-free characteristics in socio-ecological systems with bounded rationality. <i>Scientific Reports</i> , 2015, 5, 10448.	1.6	30
18	Evolutionary Stable Strategies In Networked Games: The Influence Of Topology. <i>Journal of Artificial Intelligence and Soft Computing Research</i> , 2015, 5, 83-95.	3.5	16

#	ARTICLE	IF	CITATIONS
19	The Pagerank-Index: Going beyond Citation Counts in Quantifying Scientific Impact of Researchers. PLoS ONE, 2015, 10, e0134794.	1.1	60
20	Impact of Physician Community Structure on Healthcare Outcomes. Studies in Health Technology and Informatics, 2015, 214, 152-8.	0.2	6
21	Ranking scientists from the field of quantum game theory using p-index. , 2014, , .		1
22	The performance of page rank algorithm under degree preserving perturbations. , 2014, , .		2
23	Influence of topology in the evolution of coordination in complex networks under information diffusion constraints. European Physical Journal B, 2014, 87, 1.	0.6	21
24	Influence of vaccination strategies and topology on the herd immunity of complex networks. Social Network Analysis and Mining, 2014, 4, 1.	1.9	11
25	Topological stability of evolutionarily unstable strategies. , 2014, , .		2
26	Quantifying topological robustness of networks under sustained targeted attacks. Social Network Analysis and Mining, 2013, 3, 939-952.	1.9	30
27	Effect of Vaccination Strategies on the Herd Immunity of Growing Networks. , 2013, , .		0
28	Network robustness and topological characteristics in scale-free networks. , 2013, , .		6
29	Quantifying encircling behaviour in complex networks. , 2013, , .		0
30	Percolation Centrality: Quantifying Graph-Theoretic Impact of Nodes during Percolation in Networks. PLoS ONE, 2013, 8, e53095.	1.1	136
31	Community evolution and engagement through assortative mixing in online social networks. , 2012, , .		4
32	Measuring topological robustness of networks under sustained targeted attacks. , 2012, , .		16
33	Capturing actor-level dynamics of longitudinal networks. , 2012, , .		11
34	Assortative mixing in directed biological networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 66-78.	1.9	82