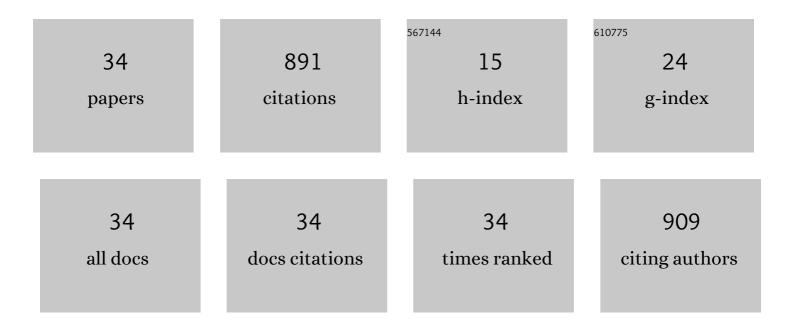
Mahendra Piraveenan

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/741804/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Percolation Centrality: Quantifying Graph-Theoretic Impact of Nodes during Percolation in Networks. PLoS ONE, 2013, 8, e53095.	1.1	136
2	Game theoretic modelling of infectious disease dynamics and intervention methods: a review. Journal of Biological Dynamics, 2020, 14, 57-89.	0.8	102
3	Assortative mixing in directed biological networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 66-78.	1.9	82
4	Optimal governance and implementation of vaccination programmes to contain the COVID-19 pandemic. Royal Society Open Science, 2021, 8, 210429.	1.1	63
5	Investigating spatiotemporal dynamics and synchrony of influenza epidemics in Australia: An agent-based modelling approach. Simulation Modelling Practice and Theory, 2018, 87, 412-431.	2.2	62
6	The Pagerank-Index: Going beyond Citation Counts in Quantifying Scientific Impact of Researchers. PLoS ONE, 2015, 10, e0134794.	1.1	60
7	Urbanization affects peak timing, prevalence, and bimodality of influenza pandemics in Australia: Results of a census-calibrated model. Science Advances, 2018, 4, eaau5294.	4.7	56
8	Quantifying topological robustness of networks under sustained targeted attacks. Social Network Analysis and Mining, 2013, 3, 939-952.	1.9	30
9	Emergence of scale-free characteristics in socio-ecological systems with bounded rationality. Scientific Reports, 2015, 5, 10448.	1.6	30
10	Criticality and Information Dynamics in Epidemiological Models. Entropy, 2017, 19, 194.	1.1	29
11	The Effects of Imitation Dynamics on Vaccination Behaviours in SIR-Network Model. International Journal of Environmental Research and Public Health, 2019, 16, 2477.	1.2	23
12	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
13	Applications of Game Theory in Project Management: A Structured Review and Analysis. Mathematics, 2019, 7, 858.	1.1	20
14	Game Theory in Defence Applications: A Review. Sensors, 2022, 22, 1032.	2.1	19
15	A set of measures to quantify the dynamicity of longitudinal social networks. Complexity, 2016, 21, 309-320.	0.9	18
16	Measuring topological robustness of networks under sustained targeted attacks. , 2012, , .		16
17	Evolutionary Stable Strategies In Networked Games: The Influence Of Topology. Journal of Artificial Intelligence and Soft Computing Research, 2015, 5, 83-95.	3.5	16
18	Impact of network assortativity on epidemic and vaccination behaviour. Chaos, Solitons and Fractals, 2020, 140, 110143.	2.5	16

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#	Article	IF	CITATIONS
19	Modeling networked systems using the topologically distributed bounded rationality framework. Complexity, 2016, 21, 123-137.	0.9	12
20	Quantifying the Robustness of Complex Networks with Heterogeneous Nodes. Mathematics, 2021, 9, 2769.	1.1	12
21	Capturing actor-level dynamics of longitudinal networks. , 2012, , .		11
22	Influence of vaccination strategies and topology on the herd immunity of complex networks. Social Network Analysis and Mining, 2014, 4, 1.	1.9	11
23	Topology of International Supply Chain Networks: A Case Study Using Factset Revere Datasets. IEEE Access, 2020, 8, 154540-154559.	2.6	9
24	Assortativity and mixing patterns in international supply chain networks. Chaos, 2019, 29, 023124.	1.0	8
25	Optimising influence in social networks using bounded rationality models. Social Network Analysis and Mining, 2016, 6, 1.	1.9	7
26	Network robustness and topological characteristics in scale-free networks. , 2013, , .		6
27	Impact of Physician Community Structure on Healthcare Outcomes. Studies in Health Technology and Informatics, 2015, 214, 152-8.	0.2	6
28	Community evolution and engagement through assortative mixing in online social networks. , 2012, , .		4
29	The performance of page rank algorithm under degree preserving perturbations. , 2014, , .		2
30	Topological stability of evolutionarily unstable strategies. , 2014, , .		2
31	Ranking scientists from the field of quantum game theory using p-index. , 2014, , .		1
32	Overlay Community detection using Community Networks. , 2018, , .		1
33	Effect of Vaccination Strategies on the Herd Immunity of Growing Networks. , 2013, , .		0

34 Quantifying encircling behaviour in complex networks. , 2013, , .