

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 | 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 |

| # | 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, , . | | 0 |