

Giulio Cimini

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,536
citations

448610

19
h-index

371746

37
g-index

54
all docs

54
docs citations

54
times ranked

1283
citing authors

#	ARTICLE	IF	CITATIONS
1	Meta-validation of bipartite network projections. <i>Communications Physics</i> , 2022, 5, .	2.0	15
2	Cumulative merging percolation: A long-range percolation process in networks. <i>Physical Review E</i> , 2022, 105, .	0.8	1
3	Co-evolution between codon usage and protein-protein interaction in bacteria. <i>Gene</i> , 2021, 778, 145475.	1.0	9
4	The physics of financial networks. <i>Nature Reviews Physics</i> , 2021, 3, 490-507.	11.9	89
5	Bacterial Protein Interaction Networks: Connectivity is Ruled by Gene Conservation, Essentiality and Function. <i>Current Genomics</i> , 2021, 22, 111-121.	0.7	1
6	Prioritizing the First Doses of SARS-CoV-2 Vaccine to Save the Elderly: The Case Study of Italy. <i>Frontiers in Public Health</i> , 2021, 9, 684760.	1.3	1
7	Fast and scalable likelihood maximization for Exponential Random Graph Models with local constraints. <i>Scientific Reports</i> , 2021, 11, 15227.	1.6	18
8	True scale-free networks hidden by finite size effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	40
9	Generalized Markov stability of network communities. <i>Physical Review E</i> , 2020, 101, 052301.	0.8	3
10	Network sensitivity of systemic risk. <i>Journal of Network Theory in Finance</i> , 2020, , .	0.7	1
11	Grand canonical ensemble of weighted networks. <i>Physical Review E</i> , 2019, 99, 030301.	0.8	19
12	Influence of Technological Innovations on Industrial Production: A Motif Analysis on the Multilayer Network. <i>Entropy</i> , 2019, 21, 126.	1.1	5
13	Fragility and anomalous susceptibility of weakly interacting networks. <i>Physical Review E</i> , 2019, 99, 042302.	0.8	5
14	Unfolding the innovation system for the development of countries: coevolution of Science, Technology and Production. <i>Scientific Reports</i> , 2019, 9, 16440.	1.6	50
15	The statistical physics of real-world networks. <i>Nature Reviews Physics</i> , 2019, 1, 58-71.	11.9	230
16	Essentiality, conservation, evolutionary pressure and codon bias in bacterial genomes. <i>Gene</i> , 2018, 663, 178-188.	1.0	24
17	Epidemics of liquidity shortages in interbank markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 507, 255-267.	1.2	14
18	Reconstruction methods for networks: The case of economic and financial systems. <i>Physics Reports</i> , 2018, 757, 1-47.	10.3	66

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19	Multiple structural transitions in interacting networks. <i>Physical Review E</i> , 2018, 98, 012302.	0.8	4
20	Structural changes in the interbank market across the financial crisis from multiple core-periphery analysis. <i>Journal of Network Theory in Finance</i> , 2018, 4, 33-51.	0.7	12
21	What do central counterparty default funds really cover? A network-based stress test answer. <i>Journal of Network Theory in Finance</i> , 2018, 4, 43-57.	0.7	9
22	Enhanced capital-asset pricing model for the reconstruction of bipartite financial networks. <i>Physical Review E</i> , 2017, 96, 032315.	0.8	24
23	The scientific influence of nations on global scientific and technological development. <i>Journal of Informetrics</i> , 2017, 11, 1229-1237.	1.4	22
24	Network reconstruction via density sampling. <i>Applied Network Science</i> , 2017, 2, 3.	0.8	17
25	Evolutionary Network Games: Equilibria from Imitation and Best Response Dynamics. <i>Complexity</i> , 2017, 2017, 1-14.	0.9	9
26	How the interbank market becomes systemically dangerous: an agent-based network model of financial distress propagation. <i>Journal of Network Theory in Finance</i> , 2017, 3, .	0.7	5
27	Statistically validated network of portfolio overlaps and systemic risk. <i>Scientific Reports</i> , 2016, 6, 39467.	1.6	73
28	Investigating the interplay between fundamentals of national research systems: Performance, investments and international collaborations. <i>Journal of Informetrics</i> , 2016, 10, 200-211.	1.4	35
29	Model-based evaluation of scientific impact indicators. <i>Physical Review E</i> , 2016, 94, 032312.	0.8	15
30	Entangling Credit and Funding Shocks in Interbank Markets. <i>PLoS ONE</i> , 2016, 11, e0161642.	1.1	24
31	Estimating topological properties of weighted networks from limited information. <i>Physical Review E</i> , 2015, 92, 040802.	0.8	42
32	Systemic Risk Analysis on Reconstructed Economic and Financial Networks. <i>Scientific Reports</i> , 2015, 5, 15758.	1.6	109
33	Dynamics to Equilibrium in Network Games: Individual Behavior and Global Response. <i>PLoS ONE</i> , 2015, 10, e0120343.	1.1	15
34	Codon Bias Patterns of <i>E. coli</i> 's Interacting Proteins. <i>PLoS ONE</i> , 2015, 10, e0142127.	1.1	23
35	How Evolutionary Dynamics Affects Network Reciprocity in Prisoner's Dilemma. <i>Jasss</i> , 2015, 18, .	1.0	14
36	Network-Driven Reputation in Online Scientific Communities. <i>PLoS ONE</i> , 2014, 9, e112022.	1.1	18

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37	The Scientific Competitiveness of Nations. PLoS ONE, 2014, 9, e113470.	1.1	79
38	Learning dynamics explains human behaviour in Prisoner's Dilemma on networks. Journal of the Royal Society Interface, 2014, 11, 20131186.	1.5	37
39	Adaptive social recommendation in a multiple category landscape. European Physical Journal B, 2013, 86, 1.	0.6	6
40	THE ROLE OF TASTE AFFINITY IN AGENT-BASED MODELS FOR SOCIAL RECOMMENDATION. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1350009.	0.9	1
41	Enhancing topology adaptation in information-sharing social networks. Physical Review E, 2012, 85, 046108.	0.8	17
42	Removing spurious interactions in complex networks. Physical Review E, 2012, 85, 036101.	0.8	68
43	Measuring Quality, Reputation and Trust in Online Communities. Lecture Notes in Computer Science, 2012, , 405-414.	1.0	9
44	Temporal Effects in the Growth of Networks. Physical Review Letters, 2011, 107, 238701.	2.9	115
45	Heterogeneity, quality, and reputation in an adaptive recommendation model. European Physical Journal B, 2011, 80, 201-208.	0.6	21
46	Effective mechanism for social recommendation of news. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2117-2126.	1.2	41
47	Dynamics of movie competition and popularity spreading in recommender systems. Physical Review E, 2011, 83, 016105.	0.8	10
48	Emergence of Scale-Free Leadership Structure in Social Recommender Systems. PLoS ONE, 2011, 6, e20648.	1.1	55
49	Systemic liquidity contagion in the European interbank market. Journal of Economic Interaction and Coordination, 0, , 1.	0.4	5