Giulio Cimini

List of Publications by Year
in descending order

49 papers	1,536 citations	394421 19 h-index	330143 37 g-index
54 all docs	54 docs citations	54 times ranked	1131 citing authors

#	Article	IF	Citations
1	The statistical physics of real-world networks. Nature Reviews Physics, 2019, 1, 58-71.	26.6	230
2	Temporal Effects in the Growth of Networks. Physical Review Letters, 2011, 107, 238701.	7.8	115
3	Systemic Risk Analysis on Reconstructed Economic and Financial Networks. Scientific Reports, 2015, 5, 15758.	3.3	109
4	The physics of financial networks. Nature Reviews Physics, 2021, 3, 490-507.	26.6	89
5	The Scientific Competitiveness of Nations. PLoS ONE, 2014, 9, e113470.	2.5	79
6	Statistically validated network of portfolio overlaps and systemic risk. Scientific Reports, 2016, 6, 39467.	3.3	73
7	Removing spurious interactions in complex networks. Physical Review E, 2012, 85, 036101.	2.1	68
8	Reconstruction methods for networks: The case of economic and financial systems. Physics Reports, 2018, 757, 1-47.	25.6	66
9	Emergence of Scale-Free Leadership Structure in Social Recommender Systems. PLoS ONE, 2011, 6, e20648.	2.5	55
10	Unfolding the innovation system for the development of countries: coevolution of Science, Technology and Production. Scientific Reports, 2019, 9, 16440.	3.3	50
11	Estimating topological properties of weighted networks from limited information. Physical Review E, 2015, 92, 040802.	2.1	42
12	Effective mechanism for social recommendation of news. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2117-2126.	2.6	41
13	True scale-free networks hidden by finite size effects. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	40
14	Learning dynamics explains human behaviour in Prisoner's Dilemma on networks. Journal of the Royal Society Interface, 2014, 11, 20131186.	3.4	37
15	Investigating the interplay between fundamentals of national research systems: Performance, investments and international collaborations. Journal of Informetrics, 2016, 10, 200-211.	2.9	35
16	Enhanced capital-asset pricing model for the reconstruction of bipartite financial networks. Physical Review E, 2017, 96, 032315.	2.1	24
17	Essentiality, conservation, evolutionary pressure and codon bias in bacterial genomes. Gene, 2018, 663, 178-188.	2.2	24
18	Entangling Credit and Funding Shocks in Interbank Markets. PLoS ONE, 2016, 11, e0161642.	2.5	24

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19	Codon Bias Patterns of E. coliâ€™s Interacting Proteins. PLoS ONE, 2015, 10, e0142127.	2.5	23
20	The scientific influence of nations on global scientific and technological development. Journal of Informetrics, 2017, 11, 1229-1237.	2.9	22
21	Heterogeneity, quality, and reputation in an adaptive recommendation model. European Physical Journal B, 2011, 80, 201-208.	1.5	21
22	Grand canonical ensemble of weighted networks. Physical Review E, 2019, 99, 030301.	2.1	19
23	Network-Driven Reputation in Online Scientific Communities. PLoS ONE, 2014, 9, e111022.	2.5	18
24	Fast and scalable likelihood maximization for Exponential Random Graph Models with local constraints. Scientific Reports, 2021, 11, 15227.	3.3	18
25	Enhancing topology adaptation in information-sharing social networks. Physical Review E, 2012, 85, 046108.	2.1	17
26	Network reconstruction via density sampling. Applied Network Science, 2017, 2, 3.	1.5	17
27	Dynamics to Equilibrium in Network Games: Individual Behavior and Global Response. PLoS ONE, 2015, 10, e0120343.	2.5	15
28	Model-based evaluation of scientific impact indicators. Physical Review E, 2016, 94, 032312.	2.1	15
29	Meta-validation of bipartite network projections. Communications Physics, 2022, 5, .	5.3	15
30	Epidemics of liquidity shortages in interbank markets. Physica A: Statistical Mechanics and Its Applications, 2018, 507, 255-267.	2.6	14
31	How Evolutionary Dynamics Affects Network Reciprocity in Prisonerâ€™s Dilemma. Jasss, 2015, 18, .	1.8	14
32	Structural changes in the interbank market across the financial crisis from multiple coreâ€"periphery analysis. Journal of Network Theory in Finance, 2018, 4, 33-51.	0.7	12
33	Dynamics of movie competition and popularity spreading in recommender systems. Physical Review E, 2011, 83, 016105.	2.1	10
34	Evolutionary Network Games: Equilibria from Imitation and Best Response Dynamics. Complexity, 2017, 2017, 1-14.	1.6	9
35	Co-evolution between codon usage and protein-protein interaction in bacteria. Gene, 2021, 778, 145475.	2.2	9
36	Measuring Quality, Reputation and Trust in Online Communities. Lecture Notes in Computer Science, 2012, , 405-414.	1.3	9

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37	What do central counterparty default funds really cover? A network-based stress test answer. Journal of Network Theory in Finance, 2018, 4, 43-57.	0.7	9
38	Adaptive social recommendation in a multiple category landscape. European Physical Journal B, 2013, 86, 1.	1.5	6
39	Influence of Technological Innovations on Industrial Production: A Motif Analysis on the Multilayer Network. Entropy, 2019, 21, 126.	2.2	5
40	Fragility and anomalous susceptibility of weakly interacting networks. Physical Review E, 2019, 99, 042302.	2.1	5
41	How the interbank market becomes systemically dangerous: an agent-based network model of financial distress propagation. Journal of Network Theory in Finance, 2017, 3, .	0.7	5
42	Systemic liquidity contagion in the European interbank market. Journal of Economic Interaction and Coordination, 0, , 1.	0.7	5
43	Multiple structural transitions in interacting networks. Physical Review E, 2018, 98, 012302.	2.1	4
44	Generalized Markov stability of network communities. Physical Review E, 2020, 101, 052301.	2.1	3
45	THE ROLE OF TASTE AFFINITY IN AGENT-BASED MODELS FOR SOCIAL RECOMMENDATION. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1350009.	1.4	1
46	Bacterial Protein Interaction Networks: Connectivity is Ruled by Gene Conservation, Essentiality and Function. Current Genomics, 2021, 22, 111-121.	1.6	1
47	Prioritizing the First Doses of SARS-CoV-2 Vaccine to Save the Elderly: The Case Study of Italy. Frontiers in Public Health, 2021, 9, 684760.	2.7	1
48	Network sensitivity of systemic risk. Journal of Network Theory in Finance, 2020, , .	0.7	1
49	Cumulative merging percolation: A long-range percolation process in networks. Physical Review E, 2022, 105, .	2.1	1