

Filippo Radicchi

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

9,495
citations

136950

32
h-index

95266

68
g-index

71
all docs

71
docs citations

71
times ranked

7007
citing authors

#	ARTICLE	IF	CITATIONS
1	Universality, criticality and complexity of information propagation in social media. Nature Communications, 2022, 13, 1308.	12.8	13
2	Influence maximization in Boolean networks. Nature Communications, 2022, 13, .	12.8	7
3	Model-free hidden geometry of complex networks. Physical Review E, 2021, 103, 012305.	2.1	4
4	Combinatorial approach to spreading processes on networks. European Physical Journal B, 2021, 94, 1.	1.5	0
5	Community detection in networks using graph embeddings. Physical Review E, 2021, 103, 022316.	2.1	24
6	Who is the best coach of all time? A network-based assessment of the career performance of professional sports coaches. Journal of Complex Networks, 2021, 9, .	1.8	2
7	Percolation theory of self-exciting temporal processes. Physical Review E, 2021, 103, L020302.	2.1	3
8	Principled approach to the selection of the embedding dimension of networks. Nature Communications, 2021, 12, 3772.	12.8	21
9	Detecting Climate Teleconnections With Granger Causality. Geophysical Research Letters, 2021, 48, e2021GL094707.	4.0	22
10	Systematic comparison of graph embedding methods in practical tasks. Physical Review E, 2021, 104, 044315.	2.1	9
11	Influence maximization on temporal networks. Physical Review E, 2020, 102, 042307.	2.1	10
12	Epidemic plateau in critical susceptible-infected-removed dynamics with nontrivial initial conditions. Physical Review E, 2020, 102, 052309.	2.1	18
13	k -core structure of real multiplex networks. Physical Review Research, 2020, 2, .	3.6	8
14	Classes of critical avalanche dynamics in complex networks. Physical Review Research, 2020, 2, .	3.6	8
15	Error-correcting decoders for communities in networks. Applied Network Science, 2019, 4, .	1.5	1
16	Emergence of power laws in noncritical neuronal systems. Physical Review E, 2019, 100, 010401.	2.1	10
17	Systematic comparison between methods for the detection of influential spreaders in complex networks. Scientific Reports, 2019, 9, 15095.	3.3	34
18	Discordant attributes of structural and functional brain connectivity in a two-layer multiplex network. Scientific Reports, 2019, 9, 2885.	3.3	37

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19	Reply to Hanlon: Transitions in science careers. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17625-17626.	7.1	0
20	Decoding communities in networks. Physical Review E, 2018, 97, 022316.	2.1	7
21	Science of science. Science, 2018, 359, .	12.6	701
22	Observability transition in multiplex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 503, 745-761.	2.6	3
23	Controlling the uncertain response of real multiplex networks to random damage. Physical Review E, 2018, 98, .	2.1	16
24	Changing demographics of scientific careers: The rise of the temporary workforce. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12616-12623.	7.1	94
25	Influence maximization in noisy networks. Europhysics Letters, 2018, 123, 58007.	2.0	8
26	Weight thresholding on complex networks. Physical Review E, 2018, 98, .	2.1	32
27	Characterizing the Analogy Between Hyperbolic Embedding and Community Structure of Complex Networks. Physical Review Letters, 2018, 121, 098301.	7.8	37
28	Uncertainty Reduction for Stochastic Processes on Complex Networks. Physical Review Letters, 2018, 120, 198301.	7.8	11
29	Redundant Interdependencies Boost the Robustness of Multiplex Networks. Physical Review X, 2017, 7, .	8.9	47
30	Quantifying perceived impact of scientific publications. Journal of Informetrics, 2017, 11, 704-712.	2.9	21
31	Fundamental difference between superblockers and superspreaders in networks. Physical Review E, 2017, 95, 012318.	2.1	35
32	Citation success index $\hat{\alpha}$: An intuitive pair-wise journal comparison metric. Journal of Informetrics, 2017, 11, 223-231.	2.9	25
33	Optimal percolation on multiplex networks. Nature Communications, 2017, 8, 1540.	12.8	78
34	Differences in Collaboration Patterns across Discipline, Career Stage, and Gender. PLoS Biology, 2016, 14, e1002573.	5.6	100
35	Percolation in real multiplex networks. Physical Review E, 2016, 94, 060301.	2.1	29
36	Observability transition in real networks. Physical Review E, 2016, 94, 030301.	2.1	4

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37	Beyond the locally treelike approximation for percolation on real networks. <i>Physical Review E</i> , 2016, 93, 030302.	2.1	48
38	Leveraging percolation theory to single out influential spreaders in networks. <i>Physical Review E</i> , 2016, 93, 062314.	2.1	59
39	Breaking of the site-bond percolation universality in networks. <i>Nature Communications</i> , 2015, 6, 10196.	12.8	51
40	Defining and identifying Sleeping Beauties in science. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7426-7431.	7.1	296
41	Predicting percolation thresholds in networks. <i>Physical Review E</i> , 2015, 91, 010801.	2.1	58
42	Percolation in real interdependent networks. <i>Nature Physics</i> , 2015, 11, 597-602.	16.7	172
43	Correlations between user voting data, budget, and box office for films in the internet movie database. <i>Journal of the Association for Information Science and Technology</i> , 2015, 66, 858-868.	2.9	17
44	Quality versus quantity in scientific impact. <i>Journal of Informetrics</i> , 2015, 9, 800-808.	2.9	22
45	Driving Interconnected Networks to Supercriticality. <i>Physical Review X</i> , 2014, 4, .	8.9	32
46	Underestimating extreme events in power-law behavior due to machine-dependent cutoffs. <i>Physical Review E</i> , 2014, 90, 050801.	2.1	4
47	A paradox in community detection. <i>Europhysics Letters</i> , 2014, 106, 38001.	2.0	30
48	Quantitative evaluation of alternative field normalization procedures. <i>Journal of Informetrics</i> , 2013, 7, 746-755.	2.9	48
49	Ã©vy flights in human behavior and cognition. <i>Chaos, Solitons and Fractals</i> , 2013, 56, 101-105.	5.1	62
50	Universality of scholarly impact metrics. <i>Journal of Informetrics</i> , 2013, 7, 924-932.	2.9	82
51	Abrupt transition in the structural formation of interconnected networks. <i>Nature Physics</i> , 2013, 9, 717-720.	16.7	274
52	Analysis of bibliometric indicators for individual scholars in a large data set. <i>Scientometrics</i> , 2013, 97, 627-637.	3.0	42
53	Detectability of communities in heterogeneous networks. <i>Physical Review E</i> , 2013, 88, 010801.	2.1	45
54	In science â€œthere is no bad publicityâ€: Papers criticized in comments have high scientific impact. <i>Scientific Reports</i> , 2012, 2, 815.	3.3	24

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55	Testing the fairness of citation indicators for comparison across scientific domains: The case of fractional citation counts. <i>Journal of Informetrics</i> , 2012, 6, 121-130.	2.9	68
56	Rationality, Irrationality and Escalating Behavior in Lowest Unique Bid Auctions. <i>PLoS ONE</i> , 2012, 7, e29910.	2.5	29
57	The Possible Role of Resource Requirements and Academic Career-Choice Risk on Gender Differences in Publication Rate and Impact. <i>PLoS ONE</i> , 2012, 7, e51332.	2.5	179
58	A Reverse Engineering Approach to the Suppression of Citation Biases Reveals Universal Properties of Citation Distributions. <i>PLoS ONE</i> , 2012, 7, e33833.	2.5	71
59	Universality, Limits and Predictability of Gold-Medal Performances at the Olympic Games. <i>PLoS ONE</i> , 2012, 7, e40335.	2.5	22
60	Finding Statistically Significant Communities in Networks. <i>PLoS ONE</i> , 2011, 6, e18961.	2.5	760
61	Who Is the Best Player Ever? A Complex Network Analysis of the History of Professional Tennis. <i>PLoS ONE</i> , 2011, 6, e17249.	2.5	106
62	Diffusion of scientific credits and the ranking of scientists. <i>Physical Review E</i> , 2009, 80, 056103.	2.1	243
63	Human activity in the web. <i>Physical Review E</i> , 2009, 80, 026118.	2.1	77
64	On the fairness of using relative indicators for comparing citation performance in different disciplines. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2009, 57, 85-90.	2.3	31
65	Explosive Percolation in Scale-Free Networks. <i>Physical Review Letters</i> , 2009, 103, 168701.	7.8	156
66	Benchmark graphs for testing community detection algorithms. <i>Physical Review E</i> , 2008, 78, 046110.	2.1	2,182
67	Universality of citation distributions: Toward an objective measure of scientific impact. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17268-17272.	7.1	623
68	Complex Networks Renormalization: Flows and Fixed Points. <i>Physical Review Letters</i> , 2008, 101, 148701.	7.8	61
69	Phase Transition between Synchronous and Asynchronous Updating Algorithms. <i>Journal of Statistical Physics</i> , 2007, 129, 593-603.	1.2	12
70	Defining and identifying communities in networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2658-2663.	7.1	2,029