

Filippo Radicchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6392144/publications.pdf>

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	Benchmark graphs for testing community detection algorithms. <i>Physical Review E</i> , 2008, 78, 046110.	2.1	2,182
2	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
3	Finding Statistically Significant Communities in Networks. <i>PLoS ONE</i> , 2011, 6, e18961.	2.5	760
4	Science of science. <i>Science</i> , 2018, 359, .	12.6	701
5	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
6	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
7	Abrupt transition in the structural formation of interconnected networks. <i>Nature Physics</i> , 2013, 9, 717-720.	16.7	274
8	Diffusion of scientific credits and the ranking of scientists. <i>Physical Review E</i> , 2009, 80, 056103.	2.1	243
9	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
10	Percolation in real interdependent networks. <i>Nature Physics</i> , 2015, 11, 597-602.	16.7	172
11	Explosive Percolation in Scale-Free Networks. <i>Physical Review Letters</i> , 2009, 103, 168701.	7.8	156
12	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
13	Differences in Collaboration Patterns across Discipline, Career Stage, and Gender. <i>PLoS Biology</i> , 2016, 14, e1002573.	5.6	100
14	Changing demographics of scientific careers: The rise of the temporary workforce. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12616-12623.	7.1	94
15	Universality of scholarly impact metrics. <i>Journal of Informetrics</i> , 2013, 7, 924-932.	2.9	82
16	Optimal percolation on multiplex networks. <i>Nature Communications</i> , 2017, 8, 1540.	12.8	78
17	Human activity in the web. <i>Physical Review E</i> , 2009, 80, 026118.	2.1	77
18	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

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19	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
20	LÃ©vy flights in human behavior and cognition. <i>Chaos, Solitons and Fractals</i> , 2013, 56, 101-105.	5.1	62
21	Complex Networks Renormalization: Flows and Fixed Points. <i>Physical Review Letters</i> , 2008, 101, 148701.	7.8	61
22	Leveraging percolation theory to single out influential spreaders in networks. <i>Physical Review E</i> , 2016, 93, 062314.	2.1	59
23	Predicting percolation thresholds in networks. <i>Physical Review E</i> , 2015, 91, 010801.	2.1	58
24	Breaking of the site-bond percolation universality in networks. <i>Nature Communications</i> , 2015, 6, 10196.	12.8	51
25	Quantitative evaluation of alternative field normalization procedures. <i>Journal of Informetrics</i> , 2013, 7, 746-755.	2.9	48
26	Beyond the locally treelike approximation for percolation on real networks. <i>Physical Review E</i> , 2016, 93, 030302.	2.1	48
27	Redundant Interdependencies Boost the Robustness of Multiplex Networks. <i>Physical Review X</i> , 2017, 7, .	8.9	47
28	Detectability of communities in heterogeneous networks. <i>Physical Review E</i> , 2013, 88, 010801.	2.1	45
29	Analysis of bibliometric indicators for individual scholars in a large data set. <i>Scientometrics</i> , 2013, 97, 627-637.	3.0	42
30	Characterizing the Analogy Between Hyperbolic Embedding and Community Structure of Complex Networks. <i>Physical Review Letters</i> , 2018, 121, 098301.	7.8	37
31	Discordant attributes of structural and functional brain connectivity in a two-layer multiplex network. <i>Scientific Reports</i> , 2019, 9, 2885.	3.3	37
32	Fundamental difference between superblockers and superspreaders in networks. <i>Physical Review E</i> , 2017, 95, 012318.	2.1	35
33	Systematic comparison between methods for the detection of influential spreaders in complex networks. <i>Scientific Reports</i> , 2019, 9, 15095.	3.3	34
34	Driving Interconnected Networks to Supercriticality. <i>Physical Review X</i> , 2014, 4, .	8.9	32
35	Weight thresholding on complex networks. <i>Physical Review E</i> , 2018, 98, .	2.1	32
36	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

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37	A paradox in community detection. Europhysics Letters, 2014, 106, 38001.	2.0	30
38	Rationality, Irrationality and Escalating Behavior in Lowest Unique Bid Auctions. PLoS ONE, 2012, 7, e29910.	2.5	29
39	Percolation in real multiplex networks. Physical Review E, 2016, 94, 060301.	2.1	29
40	Citation success index $\hat{\alpha}$ An intuitive pair-wise journal comparison metric. Journal of Informetrics, 2017, 11, 223-231.	2.9	25
41	In science $\hat{\alpha}$ there is no bad publicity $\hat{\alpha}$ Papers criticized in comments have high scientific impact. Scientific Reports, 2012, 2, 815.	3.3	24
42	Community detection in networks using graph embeddings. Physical Review E, 2021, 103, 022316.	2.1	24
43	Quality versus quantity in scientific impact. Journal of Informetrics, 2015, 9, 800-808.	2.9	22
44	Detecting Climate Teleconnections With Granger Causality. Geophysical Research Letters, 2021, 48, e2021GL094707.	4.0	22
45	Universality, Limits and Predictability of Gold-Medal Performances at the Olympic Games. PLoS ONE, 2012, 7, e40335.	2.5	22
46	Quantifying perceived impact of scientific publications. Journal of Informetrics, 2017, 11, 704-712.	2.9	21
47	Principled approach to the selection of the embedding dimension of networks. Nature Communications, 2021, 12, 3772.	12.8	21
48	Epidemic plateau in critical susceptible-infected-removed dynamics with nontrivial initial conditions. Physical Review E, 2020, 102, 052309.	2.1	18
49	Correlations between user voting data, budget, and box office for films in the internet movie database. Journal of the Association for Information Science and Technology, 2015, 66, 858-868.	2.9	17
50	Controlling the uncertain response of real multiplex networks to random damage. Physical Review E, 2018, 98, .	2.1	16
51	Universality, criticality and complexity of information propagation in social media. Nature Communications, 2022, 13, 1308.	12.8	13
52	Phase Transition between Synchronous and Asynchronous Updating Algorithms. Journal of Statistical Physics, 2007, 129, 593-603.	1.2	12
53	Uncertainty Reduction for Stochastic Processes on Complex Networks. Physical Review Letters, 2018, 120, 198301.	7.8	11
54	Emergence of power laws in noncritical neuronal systems. Physical Review E, 2019, 100, 010401.	2.1	10

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55	Influence maximization on temporal networks. <i>Physical Review E</i> , 2020, 102, 042307.	2.1	10
56	Systematic comparison of graph embedding methods in practical tasks. <i>Physical Review E</i> , 2021, 104, 044315.	2.1	9
57	Influence maximization in noisy networks. <i>Europhysics Letters</i> , 2018, 123, 58007.	2.0	8
58	k -core structure of real multiplex networks. <i>Physical Review Research</i> , 2020, 2, .	3.6	8
59	Classes of critical avalanche dynamics in complex networks. <i>Physical Review Research</i> , 2020, 2, .	3.6	8
60	Decoding communities in networks. <i>Physical Review E</i> , 2018, 97, 022316.	2.1	7
61	Influence maximization in Boolean networks. <i>Nature Communications</i> , 2022, 13, .	12.8	7
62	Underestimating extreme events in power-law behavior due to machine-dependent cutoffs. <i>Physical Review E</i> , 2014, 90, 050801.	2.1	4
63	Observability transition in real networks. <i>Physical Review E</i> , 2016, 94, 030301.	2.1	4
64	Model-free hidden geometry of complex networks. <i>Physical Review E</i> , 2021, 103, 012305.	2.1	4
65	Observability transition in multiplex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 503, 745-761.	2.6	3
66	Percolation theory of self-exciting temporal processes. <i>Physical Review E</i> , 2021, 103, L020302.	2.1	3
67	Who is the best coach of all time? A network-based assessment of the career performance of professional sports coaches. <i>Journal of Complex Networks</i> , 2021, 9, .	1.8	2
68	Error-correcting decoders for communities in networks. <i>Applied Network Science</i> , 2019, 4, .	1.5	1
69	Reply to Hanlon: Transitions in science careers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17625-17626.	7.1	0
70	Combinatorial approach to spreading processes on networks. <i>European Physical Journal B</i> , 2021, 94, 1.	1.5	0