

Santo Fortunato

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

29,448
citations

41258

49
h-index

29081

104
g-index

111
all docs

111
docs citations

111
times ranked

17328
citing authors

#	ARTICLE	IF	CITATIONS
1	Robustness modularity in complex networks. <i>Physical Review E</i> , 2022, 105, .	0.8	3
2	Community detection in networks using graph embeddings. <i>Physical Review E</i> , 2021, 103, 022316.	0.8	24
3	Science of science. <i>Bibliosfera</i> , 2021, , 25-42.	0.0	1
4	Detecting Climate Teleconnections With Granger Causality. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094707.	1.5	22
5	Recency predicts bursts in the evolution of author citations. <i>Quantitative Science Studies</i> , 2020, 1, 1298-1308.	1.6	4
6	Scientific elite revisited: patterns of productivity, collaboration, authorship and impact. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200135.	1.5	43
7	Multiscale community detection in Cytoscape. <i>PLoS Computational Biology</i> , 2020, 16, e1008239.	1.5	34
8	Psychology and morality of political extremists: evidence from Twitter language analysis of alt-right and Antifa. <i>EPJ Data Science</i> , 2019, 8, .	1.5	35
9	Assessment of network module identification across complex diseases. <i>Nature Methods</i> , 2019, 16, 843-852.	9.0	213
10	Resting state network modularity along the prodromal late onset Alzheimer's disease continuum. <i>NeuroImage: Clinical</i> , 2019, 22, 101687.	1.4	51
11	Methods to account for citation inflation in research evaluation. <i>Research Policy</i> , 2019, 48, 1855-1865.	3.3	49
12	A dataset of publication records for Nobel laureates. <i>Scientific Data</i> , 2019, 6, 33.	2.4	47
13	Nobel laureates are almost the same as us. <i>Nature Reviews Physics</i> , 2019, 1, 301-303.	11.9	26
14	Fast consensus clustering in complex networks. <i>Physical Review E</i> , 2019, 99, 042301.	0.8	25
15	Science of science. <i>Science</i> , 2018, 359, .	6.0	701
16	Reconfiguration of Cortical Networks in MDD Uncovered by Multiscale Community Detection with fMRI. <i>Cerebral Cortex</i> , 2018, 28, 1383-1395.	1.6	49
17	Weight thresholding on complex networks. <i>Physical Review E</i> , 2018, 98, .	0.8	32
18	Subsystem organization of axonal connections within and between the right and left cerebral cortex and cerebral nuclei (endbrain). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6910-E6919.	3.3	25

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19	The memory of science: Inflation, myopia, and the knowledge network. Journal of Informetrics, 2018, 12, 656-678.	1.4	59
20	Methods to Account for Citation Inflation in Research Evaluation. SSRN Electronic Journal, 2018, , .	0.4	2
21	Multiresolution Consensus Clustering in Networks. Scientific Reports, 2018, 8, 3259.	1.6	119
22	Detection of timescales in evolving complex systems. Scientific Reports, 2016, 6, 39713.	1.6	37
23	Community detection in networks: A user guide. Physics Reports, 2016, 659, 1-44.	10.3	1,426
24	Eigenvector dynamics under perturbation of modular networks. Physical Review E, 2016, 93, 062312.	0.8	5
25	Network Structure, Metadata, and the Prediction of Missing Nodes and Annotations. Physical Review X, 2016, 6, .	2.8	36
26	Benchmark model to assess community structure in evolving networks. Physical Review E, 2015, 92, 012805.	0.8	60
27	Network-based model of the growth of termite nests. Physical Review E, 2015, 92, 062810.	0.8	3
28	Detection of gene communities in multi-networks reveals cancer drivers. Scientific Reports, 2015, 5, 17386.	1.6	91
29	Attention decay in science. Journal of Informetrics, 2015, 9, 734-745.	1.4	101
30	Quantifying randomness in real networks. Nature Communications, 2015, 6, 8627.	5.8	134
31	Community detection in networks: Structural communities versus ground truth. Physical Review E, 2014, 90, 062805.	0.8	157
32	Improving the performance of algorithms to find communities in networks. Physical Review E, 2014, 89, 032809.	0.8	19
33	Adding network structure onto the map of collective behavior. Behavioral and Brain Sciences, 2014, 37, 82-83.	0.4	2
34	Growing time lag threatens Nobels. Nature, 2014, 508, 186-186.	13.7	28
35	Triadic closure as a basic generating mechanism of communities in complex networks. Physical Review E, 2014, 90, 042806.	0.8	136
36	Reputation and impact in academic careers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15316-15321.	3.3	222

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37	Author Impact Factor: tracking the dynamics of individual scientific impact. Scientific Reports, 2014, 4, 4880.	1.6	99
38	Commentary: The case for caution in predicting scientists'™ future impact. Physics Today, 2013, 66, 8-9.	0.3	24
39	On the Predictability of Future Impact in Science. Scientific Reports, 2013, 3, 3052.	1.6	89
40	Universality in voting behavior: an empirical analysis. Scientific Reports, 2013, 3, 1049.	1.6	53
41	Consensus clustering in complex networks. Scientific Reports, 2012, 2, 336.	1.6	629
42	Physics peeks into the ballot box. Physics Today, 2012, 65, 74-75.	0.3	8
43	Citation Networks. Understanding Complex Systems, 2012, , 233-257.	0.3	38
44	World citation and collaboration networks: uncovering the role of geography in science. Scientific Reports, 2012, 2, 902.	1.6	195
45	Community Structure in Graphs. , 2012, , 490-512.		78
46	Limits of modularity maximization in community detection. Physical Review E, 2011, 84, 066122.	0.8	330
47	Finding Statistically Significant Communities in Networks. PLoS ONE, 2011, 6, e18961.	1.1	760
48	Reuven Cohen and Shlomo Havlin: Complex Networks. Journal of Statistical Physics, 2011, 142, 640-641.	0.5	3
49	Explosive percolation in graphs. Journal of Physics: Conference Series, 2011, 297, 012009.	0.3	15
50	Information filtering in complex weighted networks. Physical Review E, 2011, 83, 046101.	0.8	62
51	How Citation Boosts Promote Scientific Paradigm Shifts and Nobel Prizes. PLoS ONE, 2011, 6, e18975.	1.1	98
52	Characterizing and Modeling Citation Dynamics. PLoS ONE, 2011, 6, e24926.	1.1	148
53	Community detection in graphs. Physics Reports, 2010, 486, 75-174.	10.3	8,128
54	Characterizing the Community Structure of Complex Networks. PLoS ONE, 2010, 5, e11976.	1.1	201

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55	Characterizing and Modeling the Dynamics of Online Popularity. Physical Review Letters, 2010, 105, 158701.	2.9	192
56	Explosive percolation: A numerical analysis. Physical Review E, 2010, 81, 036110.	0.8	112
57	Traffic in Social Media II: Modeling Bursty Popularity. , 2010, , .		19
58	Renormalization flows in complex networks. Physical Review E, 2009, 79, 026104.	0.8	21
59	Coevolution of Glauber-like Ising dynamics and topology. Physical Review E, 2009, 80, 056105.	0.8	23
60	Diffusion of scientific credits and the ranking of scientists. Physical Review E, 2009, 80, 056103.	0.8	243
61	Statistical physics of social dynamics. Reviews of Modern Physics, 2009, 81, 591-646.	16.4	3,013
62	Community detection algorithms: A comparative analysis. Physical Review E, 2009, 80, 056117.	0.8	1,546
63	Explosive Percolation in Scale-Free Networks. Physical Review Letters, 2009, 103, 168701.	2.9	156
64	Benchmarks for testing community detection algorithms on directed and weighted graphs with overlapping communities. Physical Review E, 2009, 80, 016118.	0.8	739
65	Detecting the overlapping and hierarchical community structure in complex networks. New Journal of Physics, 2009, 11, 033015.	1.2	1,429
66	Benchmark graphs for testing community detection algorithms. Physical Review E, 2008, 78, 046110.	0.8	2,182
67	Spectral centrality measures in complex networks. Physical Review E, 2008, 78, 036107.	0.8	122
68	Universality of citation distributions: Toward an objective measure of scientific impact. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17268-17272.	3.3	623
69	Motif-based communities in complex networks. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 224001.	0.7	80
70	Complex Networks Renormalization: Flows and Fixed Points. Physical Review Letters, 2008, 101, 148701.	2.9	61
71	On Local Estimations of PageRank: A Mean Field Approach. Internet Mathematics, 2007, 4, 245-266.	0.7	21
72	RANDOM WALKS ON DIRECTED NETWORKS: THE CASE OF PAGERANK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 2343-2353.	0.7	32

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73	Resolution limit in community detection. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 36-41.	3.3	2,263
74	Decoding the structure of the WWW. ACM Transactions on the Web, 2007, 1, 10.	2.0	54
75	Quality functions in community detection. , 2007, , .		6
76	Is the intrinsic disorder of proteins the cause of the scale-free architecture of proteinâ€“protein interaction networks?. Proteomics, 2007, 7, 961-964.	1.3	21
77	Scaling and Universality in Proportional Elections. Physical Review Letters, 2007, 99, 138701.	2.9	139
78	Scale-Free Network Growth by Ranking. Physical Review Letters, 2006, 96, 218701.	2.9	109
79	Computer Simulations of Opinions and their Reactions to Extreme Events. , 2006, , 233-257.		14
80	Topical interests and the mitigation of search engine bias. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12684-12689.	3.3	95
81	Approximating PageRank from In-Degree. Lecture Notes in Computer Science, 2006, , 59-71.	1.0	82
82	Damage spreading and opinion dynamics on scale-free networks. Physica A: Statistical Mechanics and Its Applications, 2005, 348, 683-690.	1.2	62
83	Importance of extremists for the structure of social networks. Physical Review E, 2005, 71, 056114.	0.8	6
84	ON THE CONSENSUS THRESHOLD FOR THE OPINION DYNAMICS OF KRAUSEâ€“HEGSELMANN. International Journal of Modern Physics C, 2005, 16, 259-270.	0.8	83
85	THE SZNAJD CONSENSUS MODEL WITH CONTINUOUS OPINIONS. International Journal of Modern Physics C, 2005, 16, 17-24.	0.8	46
86	VECTOR OPINION DYNAMICS IN A BOUNDED CONFIDENCE CONSENSUS MODEL. International Journal of Modern Physics C, 2005, 16, 1535-1551.	0.8	143
87	Method to find community structures based on information centrality. Physical Review E, 2004, 70, 056104.	0.8	230
88	Number of spanning clusters at the high-dimensional percolation thresholds. Physical Review E, 2004, 70, 056116.	0.8	14
89	UNIVERSALITY OF THE THRESHOLD FOR COMPLETE CONSENSUS FOR THE OPINION DYNAMICS OF DEFFUANT et al.. International Journal of Modern Physics C, 2004, 15, 1301-1307.	0.8	88
90	THE KRAUSEâ€“HEGSELMANN CONSENSUS MODEL WITH DISCRETE OPINIONS. International Journal of Modern Physics C, 2004, 15, 1021-1029.	0.8	37

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91	Predictions for ψ suppression by parton percolation. European Physical Journal C, 2004, 32, 547-553.	1.4	41
92	The Hagedorn temperature and partition thermodynamics. European Physical Journal C, 2004, 34, 361-366.	1.4	27
93	Percolation in high dimensions is not understood. Physica A: Statistical Mechanics and Its Applications, 2004, 334, 307-311.	1.2	8
94	Cluster percolation and critical behaviour in spin models and $SU(N)$ gauge theories. Journal of Physics A, 2003, 36, 4269-4281.	1.6	13
95	A geometrical interpretation of hyperscaling breaking in the Ising model. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 876-878.	0.5	3
96	Critical droplets and phase transitions in two dimensions. Physical Review B, 2003, 67, .	1.1	13
97	Heavy quark free energies and screening in $SU(2)$ gauge theory. Physical Review D, 2003, 68, .	1.6	52
98	Site percolation and phase transitions in two dimensions. Physical Review B, 2002, 66, .	1.1	25
99	Cluster percolation and first order phase transitions in the Potts model. Nuclear Physics B, 2002, 623, 493-502.	0.9	6
100	Eulerâ€PoincarÃ© characteristic and phase transition in the Potts model on. Nuclear Physics B, 2002, 644, 495-508.	0.9	8
101	Percolation and magnetization for generalized continuous spin models. Nuclear Physics B, 2001, 598, 601-611.	0.9	12
102	Cluster percolation and pseudocritical behaviour in spin models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 509, 189-195.	1.5	17
103	Polyakov loop percolation and deconfinement in $SU(2)$ gauge theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 311-314.	1.5	38
104	Percolation and magnetization in the continuous spin Ising model. Nuclear Physics B, 2000, 583, 368-378.	0.9	18
105	Two-particleâ€one-hole excitations in the continuum. Physical Review C, 1996, 54, 3279-3282.	1.1	9
106	Attention Decay in Science. SSRN Electronic Journal, 0, , .	0.4	2