

Aaron Clauset

List of Publications by Year in descending order

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67
papers

21,397
citations

108046

37
h-index

111975

67
g-index

99
all docs

99
docs citations

99
times ranked

25669
citing authors

#	ARTICLE	IF	CITATIONS
1	Power-Law Distributions in Empirical Data. <i>SIAM Review</i> , 2009, 51, 661-703.	4.2	6,595
2	Finding community structure in very large networks. <i>Physical Review E</i> , 2004, 70, 066111.	0.8	5,083
3	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017, 551, 457-463.	13.7	1,942
4	Hierarchical structure and the prediction of missing links in networks. <i>Nature</i> , 2008, 453, 98-101.	13.7	1,674
5	Performance of modularity maximization in practical contexts. <i>Physical Review E</i> , 2010, 81, 046106.	0.8	698
6	Scale-free networks are rare. <i>Nature Communications</i> , 2019, 10, 1017.	5.8	632
7	Finding local community structure in networks. <i>Physical Review E</i> , 2005, 72, 026132.	0.8	609
8	Systematic inequality and hierarchy in faculty hiring networks. <i>Science Advances</i> , 2015, 1, e1400005.	4.7	365
9	The ground truth about metadata and community detection in networks. <i>Science Advances</i> , 2017, 3, e1602548.	4.7	307
10	On the Frequency of Severe Terrorist Events. <i>Journal of Conflict Resolution</i> , 2007, 51, 58-87.	1.1	287
11	Structure and inference in annotated networks. <i>Nature Communications</i> , 2016, 7, 11863.	5.8	227
12	Learning latent block structure in weighted networks. <i>Journal of Complex Networks</i> , 2015, 3, 221-248.	1.1	184
13	Power-law distributions in binned empirical data. <i>Annals of Applied Statistics</i> , 2014, 8, .	0.5	181
14	Transformation of social networks in the late pre-Hispanic US Southwest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5785-5790.	3.3	175
15	The Evolution and Distribution of Species Body Size. <i>Science</i> , 2008, 321, 399-401.	6.0	147
16	Efficiently inferring community structure in bipartite networks. <i>Physical Review E</i> , 2014, 90, 012805.	0.8	142
17	Data-driven predictions in the science of science. <i>Science</i> , 2017, 355, 477-480.	6.0	142
18	Eigenvector-Based Centrality Measures for Temporal Networks. <i>Multiscale Modeling and Simulation</i> , 2017, 15, 537-574.	0.6	120

#	ARTICLE	IF	CITATIONS
19	Scale invariance in road networks. <i>Physical Review E</i> , 2006, 73, 026130.	0.8	119
20	Productivity, prominence, and the effects of academic environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10729-10733.	3.3	116
21	The unequal impact of parenthood in academia. <i>Science Advances</i> , 2021, 7, .	4.7	115
22	On the bias of traceroute sampling. , 2005, , .		106
23	Accuracy and Scaling Phenomena in Internet Mapping. <i>Physical Review Letters</i> , 2005, 94, 018701.	2.9	80
24	The misleading narrative of the canonical faculty productivity trajectory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9216-E9223.	3.3	77
25	Stacking models for nearly optimal link prediction in complex networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23393-23400.	3.3	74
26	A Network Approach to Analyzing Highly Recombinant Malaria Parasite Genes. <i>PLoS Computational Biology</i> , 2013, 9, e1003268.	1.5	73
27	Using null models to infer microbial co-occurrence networks. <i>PLoS ONE</i> , 2017, 12, e0176751.	1.1	67
28	Structural Inference of Hierarchies in Networks. , 2006, , 1-13.		66
29	Exploring community structure in biological networks with random graphs. <i>BMC Bioinformatics</i> , 2014, 15, 220.	1.2	64
30	The Developmental Dynamics of Terrorist Organizations. <i>PLoS ONE</i> , 2012, 7, e48633.	1.1	59
31	Estimating the historical and future probabilities of large terrorist events. <i>Annals of Applied Statistics</i> , 2013, 7, .	0.5	57
32	Evaluating Overfit and Underfit in Models of Network Community Structure. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020, 32, 1722-1735.	4.0	57
33	Examining the consumption of radical content on YouTube. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	56
34	On the bias of traceroute sampling. <i>Journal of the ACM</i> , 2009, 56, 1-28.	1.8	51
35	Detectability Thresholds and Optimal Algorithms for Community Structure in Dynamic Networks. <i>Physical Review X</i> , 2016, 6, .	2.8	51
36	Gender, Productivity, and Prestige in Computer Science Faculty Hiring Networks. , 2016, , .		49

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37	Prestige drives epistemic inequality in the diffusion of scientific ideas. EPJ Data Science, 2018, 7, .	1.5	48
38	Scoring dynamics across professional team sports: tempo, balance and predictability. EPJ Data Science, 2014, 3, .	1.5	42
39	Ape parasite origins of human malaria virulence genes. Nature Communications, 2015, 6, 8368.	5.8	41
40	Trends and fluctuations in the severity of interstate wars. Science Advances, 2018, 4, eaao3580.	4.7	38
41	A Generalized Aggregation-Disintegration Model for the Frequency of Severe Terrorist Attacks. Journal of Conflict Resolution, 2010, 54, 179-197.	1.1	35
42	Supervised Self-Organizing Maps in Drug Discovery. 1. Robust Behavior with Overdetermined Data Sets. Journal of Chemical Information and Modeling, 2005, 45, 1749-1758.	2.5	34
43	The Capacity of the Ovarian Cancer Tumor Microenvironment to Integrate Inflammation Signaling Conveys a Shorter Disease-free Interval. Clinical Cancer Research, 2020, 26, 6362-6373.	3.2	32
44	Body mass evolution and diversification within horses (family Equidae). Ecology Letters, 2014, 17, 211-220.	3.0	29
45	How Large Should Whales Be?. PLoS ONE, 2013, 8, e53967.	1.1	29
46	Friends FTW! friendship and competition in halo. , 2013, , .		25
47	How Many Species Have Mass $<i>M</i>? American Naturalist, 2009, 173, 256-263.$	1.0	18
48	Assembling thefacebook. , 2015, , .		15
49	Forecasting the Risk of Extreme Massacres in Syria. ERIS â€œ European Review of International Studies, 2014, 1, 50-68.	0.4	14
50	Methodologies for Continuous Cellular Tower Data Analysis. Lecture Notes in Computer Science, 2009, , 342-353.	1.0	12
51	Molecular modeling of mono- and bis-quaternary ammonium salts as ligands at the $\hat{1}\hat{4}\hat{1}^2$ nicotinic acetylcholine receptor subtype using nonlinear techniques. AAPS Journal, 2005, 7, E678-E685.	2.2	10
52	A Novel Explanation of the Power-Law Form of the Frequency of Severe Terrorist Events: Reply to Saperstein. Peace Economics, Peace Science and Public Policy, 2010, 16, .	0.3	9
53	Environmental structure and competitive scoring advantages in team competitions. Scientific Reports, 2013, 3, 3067.	1.6	9
54	Synthesis aided design: The biological designâ€buildâ€test engineering paradigm?. Biotechnology and Bioengineering, 2016, 113, 7-10.	1.7	9

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55	The dynamics of faculty hiring networks. EPJ Data Science, 2021, 10, .	1.5	8
56	On the Frequency and Severity of Interstate Wars. Pioneers in Arts, Humanities, Science, Engineering, Practice, 2020, , 113-127.	0.1	8
57	Controlling across complex networks “ Emerging links between networks and control. Annual Reviews in Control, 2008, 32, 183-192.	4.4	6
58	Reply to adams: Multi-dimensional edge inference. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, .	3.3	5
59	Rejoinder of “Estimating the historical and future probabilities of large terrorist events” by Aaron Clauset and Ryan Woodard. Annals of Applied Statistics, 2013, 7, .	0.5	5
60	Automatically assembling a full census of an academic field. PLoS ONE, 2018, 13, e0202223.	1.1	5
61	Decoding the dynamic tumor microenvironment. Science Advances, 2021, 7, .	4.7	5
62	Predicting Sports Scoring Dynamics with Restoration and Anti-Persistence. , 2015, , .		4
63	Denoising large-scale biological data using network filters. BMC Bioinformatics, 2021, 22, 157.	1.2	3
64	Fairness in Networks. , 2021, , .		2
65	Die Blutspur des Vetos: Eine Prognose zur Gefahr von extremen Massakern in Syrien. Zeitschrift für Friedens- Und Konfliktforschung, 2013, 2, 6-31.	0.5	1
66	In Science Journals. Science, 2021, 374, 950-953.	6.0	0
67	The Fine Art of Scientific Advocacy: A Tribute to Tom Lovejoy. Science Advances, 2022, 8, eabn9704.	4.7	0