

Jon Kleinberg

List of Publications by Year in descending order

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72
papers

16,335
citations

159358

30
h-index

214527

47
g-index

77
all docs

77
docs citations

77
times ranked

10621
citing authors

#	ARTICLE	IF	CITATIONS
1	The link-prediction problem for social networks. Journal of the Association for Information Science and Technology, 2007, 58, 1019-1031.	2.6	2,526
2	Graph evolution. ACM Transactions on Knowledge Discovery From Data, 2007, 1, 2.	2.5	1,808
3	Group formation in large social networks. , 2006, , .		1,226
4	Bursty and Hierarchical Structure in Streams. Data Mining and Knowledge Discovery, 2003, 7, 373-397.	2.4	898
5	Signed networks in social media. , 2010, , .		850
6	Differences in the mechanics of information diffusion across topics. , 2011, , .		780
7	Structural diversity in social contagion. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5962-5966.	3.3	516
8	Inferring social ties from geographic coincidences. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22436-22441.	3.3	374
9	Prediction Policy Problems. American Economic Review, 2015, 105, 491-495.	4.0	349
10	Tracing information flow on a global scale using Internet chain-letter data. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4633-4638.	3.3	336
11	Simplicial closure and higher-order link prediction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11221-E11230.	3.3	266
12	The convergence of social and technological networks. Communications of the ACM, 2008, 51, 66-72.	3.3	234
13	Approximation algorithms for classification problems with pairwise relationships. Journal of the ACM, 2002, 49, 616-639.	1.8	231
14	Adversarial queuing theory. Journal of the ACM, 2001, 48, 13-38.	1.8	227
15	The structure of information pathways in a social communication network. , 2008, , .		225
16	Connectivity and Inference Problems for Temporal Networks. Journal of Computer and System Sciences, 2002, 64, 820-842.	0.9	214
17	Human Decisions and Machine Predictions*. Quarterly Journal of Economics, 2018, 133, 237-293.	3.8	207
18	Overview of the 2003 KDD Cup. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2003, 5, 149-151.	3.2	201

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19	Universal-stability results and performance bounds for greedy contention-resolution protocols. Journal of the ACM, 2001, 48, 39-69.	1.8	180
20	Making sense of recommendations. Journal of Behavioral Decision Making, 2019, 32, 403-414.	1.0	178
21	Clustering categorical data: an approach based on dynamical systems. VLDB Journal, 2000, 8, 222-236.	2.7	176
22	Discrimination in the Age of Algorithms. Journal of Legal Analysis, 2018, 10, 113-174.	1.7	172
23	A Microeconomic View of Data Mining. Data Mining and Knowledge Discovery, 1998, 2, 311-324.	2.4	153
24	Algorithmic Fairness. AEA Papers and Proceedings American Economic Association, 2018, 108, 22-27.	0.7	152
25	Integrating explanation and prediction in computational social science. Nature, 2021, 595, 181-188.	13.7	136
26	Adversarial queueing theory. , 1996, , .		101
27	Spatial gossip and resource location protocols. Journal of the ACM, 2004, 51, 943-967.	1.8	101
28	Subgraph frequencies. , 2013, , .		95
29	How bad is forming your own opinion?. Games and Economic Behavior, 2015, 92, 248-265.	0.4	87
30	Segmentation problems. Journal of the ACM, 2004, 51, 263-280.	1.8	61
31	The Selective Labels Problem. , 2017, 2017, 275-284.		57
32	Block models and personalized PageRank. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 33-38.	3.3	55
33	Auditing Boolean attributes. Journal of Computer and System Sciences, 2003, 66, 244-253.	0.9	53
34	Fast Detection of Common Geometric Substructure in Proteins. Journal of Computational Biology, 1999, 6, 313-325.	0.8	51
35	Opinion Dynamics with Varying Susceptibility to Persuasion. , 2018, , .		49
36	How Bad is Forming Your Own Opinion?. , 2011, , .		46

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37	Algorithms as discrimination detectors. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30096-30100.	3.3	45
38	The network of sequence flow between protein structures. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11627-11632.	3.3	43
39	Global Diffusion via Cascading Invitations. , 2015, , .		43
40	Transfer Learning to Infer Social Ties across Heterogeneous Networks. ACM Transactions on Information Systems, 2016, 34, 1-43.	3.8	39
41	Algorithmic monoculture and social welfare. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	33
42	Convergent algorithms for collaborative filtering. , 2003, , .		26
43	Adversarial Perturbations of Opinion Dynamics in Networks. , 2020, , .		26
44	Analysis of large-scale social and information networks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120378.	1.6	23
45	Using mixture models for collaborative filtering. Journal of Computer and System Sciences, 2008, 74, 49-69.	0.9	22
46	Simplicity Creates Inequity. , 2019, , .		20
47	Minimizing Localized Ratio Cut Objectives in Hypergraphs. , 2020, , .		18
48	Line-of-Sight Networks. Combinatorics Probability and Computing, 2009, 18, 145-163.	0.8	17
49	The Lifecycles of Apps in a Social Ecosystem. , 2015, , .		16
50	Selection and influence in cultural dynamics. Network Science, 2016, 4, 1-27.	0.8	16
51	Computational Analysis of Sequence Selection Mechanisms. Structure, 2004, 12, 547-557.	1.6	15
52	Network Failure Detection and Graph Connectivity. SIAM Journal on Computing, 2008, 38, 1330-1346.	0.8	14
53	Planning Problems for Sophisticated Agents with Present Bias. , 2016, , .		14
54	Measuring the Completeness of Economic Models. Journal of Political Economy, 2022, 130, 956-990.	3.3	14

#	ARTICLE	IF	CITATIONS
55	Detecting a Network Failure. <i>Internet Mathematics</i> , 2004, 1, 37-55.	0.7	13
56	Hypergraph Ego-networks and Their Temporal Evolution. , 2021, , .		13
57	Planning with Multiple Biases. , 2017, , .		11
58	The flow of on-line information in global networks. , 2010, , .		9
59	Competition and Selection Among Conventions. , 2017, , .		8
60	On discrete preferences and coordination. <i>Journal of Computer and System Sciences</i> , 2018, 93, 11-29.	0.9	7
61	Stability of Load Balancing Algorithms in Dynamic Adversarial Systems. <i>SIAM Journal on Computing</i> , 2008, 37, 1656-1673.	0.8	6
62	The Generalized Mean Densest Subgraph Problem. , 2021, , .		6
63	Subsidy Allocations in the Presence of Income Shocks. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020, 34, 7032-7039.	3.6	5
64	The Theory Is Predictive, but Is It Complete? An Application to Human Perception of Randomness. <i>SSRN Electronic Journal</i> , 2017, , .	0.4	4
65	Planted hitting set recovery in hypergraphs. <i>Journal of Physics Complexity</i> , 2021, 2, 035004.	0.9	4
66	Allocating Stimulus Checks in Times of Crisis. , 2022, , .		4
67	Time-inconsistent planning. <i>Communications of the ACM</i> , 2018, 61, 99-107.	3.3	3
68	Mechanisms for (Mis)allocating Scientific Credit. <i>Algorithmica</i> , 2022, 84, 344-378.	1.0	3
69	CONSTRUCTING COMPARATIVE GENOME MAPS WITH UNRESOLVED MARKER ORDER. , 2001, , .		2
70	Cascading behavior in social and economic networks. , 2013, , .		1
71	Some results of Christos Papadimitriou on internet structure, network routing, and web information. <i>Computer Science Review</i> , 2009, 3, 119-125.	10.2	0
72	Algorithms, Networks, and Social Phenomena. <i>Lecture Notes in Computer Science</i> , 2013, , 1-3.	1.0	0