Jon Kleinberg

List of Publications by Year
in descending order

72 papers	16,335 citations	159585 30 h-index	214800 47 g-index
77 all docs	77 docs citations	77 times ranked	10621 citing authors

#	Article	IF	Citations
1	Measuring the Completeness of Economic Models. Journal of Political Economy, 2022, 130, 956-990.	4.5	14
2	Mechanisms for (Mis)allocating Scientific Credit. Algorithmica, 2022, 84, 344-378.	1.3	3
3	Allocating Stimulus Checks in Times of Crisis. , 2022, , .		4
4	Planted hitting set recovery in hypergraphs. Journal of Physics Complexity, 2021, 2, 035004.	2.2	4
5	Algorithmic monoculture and social welfare. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	33
6	Integrating explanation and prediction in computational social science. Nature, 2021, 595, 181-188.	27.8	136
7	The Generalized Mean Densest Subgraph Problem. , 2021, , .		6
8	Hypergraph Ego-networks and Their Temporal Evolution. , 2021, , .		13
9	Algorithms as discrimination detectors. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30096-30100.	7.1	45
10	Subsidy Allocations in the Presence of Income Shocks. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 7032-7039.	4.9	5
11	Adversarial Perturbations of Opinion Dynamics in Networks. , 2020, , .		26
12	Minimizing Localized Ratio Cut Objectives in Hypergraphs. , 2020, , .		18
13	Simplicity Creates Inequity. , 2019, , .		20
14	Making sense of recommendations. Journal of Behavioral Decision Making, 2019, 32, 403-414.	1.7	178
15	Human Decisions and Machine Predictions*. Quarterly Journal of Economics, 2018, 133, 237-293.	8.6	207
16	Time-inconsistent planning. Communications of the ACM, 2018, 61, 99-107.	4.5	3
17	On discrete preferences and coordination. Journal of Computer and System Sciences, 2018, 93, 11-29.	1.2	7
18	Discrimination in the Age of Algorithms. Journal of Legal Analysis, 2018, 10, 113-174.	2.4	172

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19	Simplicial closure and higher-order link prediction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11221-E11230.	7.1	266
20	Opinion Dynamics with Varying Susceptibility to Persuasion. , 2018, , .		49
21	Algorithmic Fairness. AEA Papers and Proceedings American Economic Association, 2018, 108, 22-27.	1.2	152
22	Competition and Selection Among Conventions. , 2017, , .		8
23	Block models and personalized PageRank. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 33-38.	7.1	55
24	The Theory Is Predictive, but Is It Complete? An Application to Human Perception of Randomness. SSRN Electronic Journal, 2017, , .	0.4	4
25	Planning with Multiple Biases. , 2017, , .		11
26	The Selective Labels Problem. , 2017, 2017, 275-284.		57
27	Selection and influence in cultural dynamics. Network Science, 2016, 4, 1-27.	1.0	16
28	Transfer Learning to Infer Social Ties across Heterogeneous Networks. ACM Transactions on Information Systems, 2016, 34, 1-43.	4.9	39
29	Planning Problems for Sophisticated Agents with Present Bias. , 2016, , .		14
30	Prediction Policy Problems. American Economic Review, 2015, 105, 491-495.	8.5	349
31	How bad is forming your own opinion?. Games and Economic Behavior, 2015, 92, 248-265.	0.8	87
32	Global Diffusion via Cascading Invitations. , 2015, , .		43
33	The Lifecycles of Apps in a Social Ecosystem. , 2015, , .		16
34	Analysis of large-scale social and information networks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120378.	3.4	23
35	Cascading behavior in social and economic networks. , 2013, , .		1
36	Subgraph frequencies. , 2013, , .		95

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37	Algorithms, Networks, and Social Phenomena. Lecture Notes in Computer Science, 2013, , 1-3.	1.3	0
38	Structural diversity in social contagion. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5962-5966.	7.1	516
39	How Bad is Forming Your Own Opinion?. , 2011, , .		46
40	Differences in the mechanics of information diffusion across topics. , 2011, , .		780
41	Signed networks in social media. , 2010, , .		850
42	Inferring social ties from geographic coincidences. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22436-22441.	7.1	374
43	The flow of on-line information in global networks. , 2010, , .		9
44	Some results of Christos Papadimitriou on internet structure, network routing, and web information. Computer Science Review, 2009, 3, 119-125.	15.3	0
45	Line-of-Sight Networks. Combinatorics Probability and Computing, 2009, 18, 145-163.	1.3	17
46	Using mixture models for collaborative filtering. Journal of Computer and System Sciences, 2008, 74, 49-69.	1.2	22
47	The convergence of social and technological networks. Communications of the ACM, 2008, 51, 66-72.	4.5	234
48	Network Failure Detection and Graph Connectivity. SIAM Journal on Computing, 2008, 38, 1330-1346.	1.0	14
49	Stability of Load Balancing Algorithms in Dynamic Adversarial Systems. SIAM Journal on Computing, 2008, 37, 1656-1673.	1.0	6
50	The structure of information pathways in a social communication network. , 2008, , .		225
51	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.	7.1	336
52	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.	7.1	43
53	Graph evolution. ACM Transactions on Knowledge Discovery From Data, 2007, 1, 2.	3.5	1,808
54	The link-prediction problem for social networks. Journal of the Association for Information Science and Technology, 2007, 58, 1019-1031.	2.6	2,526

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55	Group formation in large social networks. , 2006, , .		1,226
56	Spatial gossip and resource location protocols. Journal of the ACM, 2004, 51, 943-967.	2.2	101
57	Detecting a Network Failure. Internet Mathematics, 2004, 1, 37-55.	0.7	13
58	Segmentation problems. Journal of the ACM, 2004, 51, 263-280.	2.2	61
59	Computational Analysis of Sequence Selection Mechanisms. Structure, 2004, 12, 547-557.	3.3	15
60	Bursty and Hierarchical Structure in Streams. Data Mining and Knowledge Discovery, 2003, 7, 373-397.	3.7	898
61	Auditing Boolean attributes. Journal of Computer and System Sciences, 2003, 66, 244-253.	1.2	53
62	Convergent algorithms for collaborative filtering. , 2003, , .		26
63	Overview of the 2003 KDD Cup. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2003, 5, 149-151.	4.0	201
64	Approximation algorithms for classification problems with pairwise relationships. Journal of the ACM, 2002, 49, 616-639.	2.2	231
65	Connectivity and Inference Problems for Temporal Networks. Journal of Computer and System Sciences, 2002, 64, 820-842.	1.2	214
66	Adversarial queuing theory. Journal of the ACM, 2001, 48, 13-38.	2.2	227
67	Universal-stability results and performance bounds for greedy contention-resolution protocols. Journal of the ACM, 2001, 48, 39-69.	2.2	180
68	CONSTRUCTING COMPARATIVE GENOME MAPS WITH UNRESOLVED MARKER ORDER. , 2001, , .		2
69	Clustering categorical data: an approach based on dynamical systems. VLDB Journal, 2000, 8, 222-236.	4.1	176
70	Fast Detection of Common Geometric Substructure in Proteins. Journal of Computational Biology, 1999, 6, 313-325.	1.6	51
71	A Microeconomic View of Data Mining. Data Mining and Knowledge Discovery, 1998, 2, 311-324.	3.7	153
72	Adversarial queueing theory. , 1996, , .		101