Jon Kleinberg

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	11,522 citations	34 h-index	77 g-index
77 ext. papers	14,118 ext. citations	5.4 avg, IF	6.9 L-index

#	Paper	IF	Citations
71	The link-prediction problem for social networks. *Journal of the Association for Information Science and Technology*, **2007**, 58, 1019-1031		1968
70	Networks, Crowds, and Markets: Reasoning about a Highly Connected World **2010**,		1741
69	Graph evolution. *ACM Transactions on Knowledge Discovery From Data*, **2007**, 1, 2	4	1340
68	Group formation in large social networks **2006**,		872
67	Signed networks in social media **2010**,		599
66	Differences in the mechanics of information diffusion across topics **2011**,		592
65	Bursty and Hierarchical Structure in Streams. *Data Mining and Knowledge Discovery*, **2003**, 7, 373-397	5.6	564
64	Structural diversity in social contagion. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 5962-6	11.5	410
63	Inferring social ties from geographic coincidences. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 22436-41	11.5	293
62	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, 4633-8	11.5	257
61	Prediction Policy Problems. *American Economic Review*, **2015**, 105, 491-495	9.7	201
60	The convergence of social and technological networks. *Communications of the ACM*, **2008**, 51, 66-72	2.5	195
59	Adversarial queuing theory. *Journal of the ACM*, **2001**, 48, 13-38	2	187
58	Approximation algorithms for classification problems with pairwise relationships. *Journal of the ACM*, **2002**, 49, 616-639	2	169
57	Connectivity and Inference Problems for Temporal Networks. *Journal of Computer and System Sciences*, **2002**, 64, 820-842	1	167
56	The structure of information pathways in a social communication network **2008**,		152
55	Universal-stability results and performance bounds for greedy contention-resolution protocols. *Journal of the ACM*, **2001**, 48, 39-69	2	152

54	Overview of the 2003 KDD Cup. *SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining*, **2003**, 5, 149-151	4.6	150
53	A Microeconomic View of Data Mining. *Data Mining and Knowledge Discovery*, **1998**, 2, 311-324	5.6	109
52	Simplicial closure and higher-order link prediction. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E11221-E11230	11.5	104
51	Clustering categorical data: an approach based on dynamical systems. *VLDB Journal*, **2000**, 8, 222-236	3.9	98
50	HUMAN DECISIONS AND MACHINE PREDICTIONS. *Quarterly Journal of Economics*, **2018**, 133, 237-293	15.1	96
49	Making sense of recommendations. *Journal of Behavioral Decision Making*, **2019**, 32, 403-414	2.4	72
48	Human Decisions and Machine Predictions **2017**,		69
47	Subgraph frequencies **2013**,		69
46	Algorithmic Fairness. *AEA Papers and Proceedings American Economic Association*, **2018**, 108, 22-27	1.6	66
45	Spatial gossip and resource location protocols. *Journal of the ACM*, **2004**, 51, 943-967	2	64
44	Discrimination in the Age of Algorithms. *Journal of Legal Analysis*, **2018**, 10, 113-174	0.7	62
43	Segmentation problems. *Journal of the ACM*, **2004**, 51, 263-280	2	48
42	Adversarial queueing theory **1996**,		47
41	How bad is forming your own opinion?. *Games and Economic Behavior*, **2015**, 92, 248-265	1.1	42
40	Fast detection of common geometric substructure in proteins. *Journal of Computational Biology*, **1999**, 6, 313-25	1.7	41
39	The network of sequence flow between protein structures. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 11627-32	11.5	40
38	Auditing Boolean attributes. *Journal of Computer and System Sciences*, **2003**, 66, 244-253	1	38
37	Global Diffusion via Cascading Invitations **2015**,		33

36	Block models and personalized PageRank. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 33-38	11.5	32
35	How Bad is Forming Your Own Opinion? **2011**,		31
34	Transfer Learning to Infer Social Ties across Heterogeneous Networks. *ACM Transactions on Information Systems*, **2016**, 34, 1-43	4.8	30
33	The Selective Labels Problem: Evaluating Algorithmic Predictions in the Presence of Unobservables. *KDD: Proceedings*, **2017**, 2017, 275-284	6.8	29
32	Integrating explanation and prediction in computational social science. *Nature*, **2021**, 595, 181-188	50.4	29
31	Opinion Dynamics with Varying Susceptibility to Persuasion **2018**,		25
30	Convergent algorithms for collaborative filtering **2003**,		21
29	Algorithms as discrimination detectors. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 30096-30100	11.5	21
28	Analysis of large-scale social and information networks. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20120378	3	19
27	Using mixture models for collaborative filtering. *Journal of Computer and System Sciences*, **2008**, 74, 49-60		17
26	Computational analysis of sequence selection mechanisms. *Structure*, **2004**, 12, 547-57	5.2	15
25	Selection and influence in cultural dynamics*. *Network Science*, **2016**, 4, 1-27	2.9	15
24	The Lifecycles of Apps in a Social Ecosystem **2015**,		14
23	Network Failure Detection and Graph Connectivity. *SIAM Journal on Computing*, **2008**, 38, 1330-1346	1.1	13
22	Line-of-Sight Networks. *Combinatorics Probability and Computing*, **2009**, 18, 145-163	0.6	12
21	Planning Problems for Sophisticated Agents with Present Bias **2016**,		11
20	Detecting a Network Failure. *Internet Mathematics*, **2004**, 1, 37-55	0	9
19	Planning with Multiple Biases **2017**,		8

18	Simplicity Creates Inequity **2019**,		7
17	An Economic Approach to Regulating Algorithms **2020**,		7
16	Adversarial Perturbations of Opinion Dynamics in Networks **2020**,		7
15	On discrete preferences and coordination. *Journal of Computer and System Sciences*, **2018**, 93, 11-29	1	6
14	Stability of Load Balancing Algorithms in Dynamic Adversarial Systems. *SIAM Journal on Computing*, **2008**, 37, 1656-1673	1.1	6
13	Simplicity Creates Inequity: Implications for Fairness, Stereotypes, and Interpretability **2019**,		4
12	Competition and Selection Among Conventions **2017**,		3
11	The Theory Is Predictive, but Is It Complete? An Application to Human Perception of Randomness. *SSRN Electronic Journal*, **2017**,	1	3
10	The flow of on-line information in global networks **2010**,		3
9	Allocating Stimulus Checks in Times of Crisis **2022**,		3
8	Minimizing Localized Ratio Cut Objectives in Hypergraphs **2020**,		2
7	Subsidy Allocations in the Presence of Income Shocks. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2020**, 34, 7032-7039	5	2
6	Time-inconsistent planning. *Communications of the ACM*, **2018**, 61, 99-107	2.5	1
5	Cascading behavior in social and economic networks **2013**,		1
4	Planted hitting set recovery in hypergraphs. *Journal of Physics Complexity*, **2021**, 2, 035004	1.8	1
3	Mechanisms for (Mis)allocating Scientific Credit. *Algorithmica*, **2022**, 84, 344	0.9	0
2	Some results of Christos Papadimitriou on internet structure, network routing, and web information. *Computer Science Review*, **2009**, 3, 119-125	8.3	
1	Algorithms, Networks, and Social Phenomena. *Lecture Notes in Computer Science*, **2013**, 1-3	0.9	