

Jon Kleinberg

List of Publications by Year in Descending Order

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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	Mechanisms for (Mis)allocating Scientific Credit. <i>Algorithmica</i> , 2022 , 84, 344	0.9	0
70	Allocating Stimulus Checks in Times of Crisis 2022 ,		3
69	Planted hitting set recovery in hypergraphs. <i>Journal of Physics Complexity</i> , 2021 , 2, 035004	1.8	1
68	Integrating explanation and prediction in computational social science. <i>Nature</i> , 2021 , 595, 181-188	50.4	29
67	An Economic Approach to Regulating Algorithms 2020 ,		7
66	Adversarial Perturbations of Opinion Dynamics in Networks 2020 ,		7
65	Minimizing Localized Ratio Cut Objectives in Hypergraphs 2020 ,		2
64	Algorithms as discrimination detectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 30096-30100	11.5	21
63	Subsidy Allocations in the Presence of Income Shocks. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 7032-7039	5	2
62	Simplicity Creates Inequity 2019 ,		7
61	Simplicity Creates Inequity: Implications for Fairness, Stereotypes, and Interpretability 2019 ,		4
60	Making sense of recommendations. <i>Journal of Behavioral Decision Making</i> , 2019 , 32, 403-414	2.4	72
59	Time-inconsistent planning. <i>Communications of the ACM</i> , 2018 , 61, 99-107	2.5	1
58	On discrete preferences and coordination. <i>Journal of Computer and System Sciences</i> , 2018 , 93, 11-29	1	6
57	HUMAN DECISIONS AND MACHINE PREDICTIONS. <i>Quarterly Journal of Economics</i> , 2018 , 133, 237-293	15.1	96
56	Discrimination in the Age of Algorithms. <i>Journal of Legal Analysis</i> , 2018 , 10, 113-174	0.7	62
55	Simplicial closure and higher-order link prediction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11221-E11230	11.5	104

54	Opinion Dynamics with Varying Susceptibility to Persuasion 2018 ,		25
53	Algorithmic Fairness. <i>AEA Papers and Proceedings American Economic Association</i> , 2018 , 108, 22-27	1.6	66
52	Competition and Selection Among Conventions 2017 ,		3
51	Block models and personalized PageRank. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 33-38	11.5	32
50	The Theory Is Predictive, but Is It Complete? An Application to Human Perception of Randomness. <i>SSRN Electronic Journal</i> , 2017 ,	1	3
49	Human Decisions and Machine Predictions 2017 ,		69
48	Planning with Multiple Biases 2017 ,		8
47	The Selective Labels Problem: Evaluating Algorithmic Predictions in the Presence of Unobservables. <i>KDD: Proceedings</i> , 2017 , 2017, 275-284	6.8	29
46	Planning Problems for Sophisticated Agents with Present Bias 2016 ,		11
45	Selection and influence in cultural dynamics*. <i>Network Science</i> , 2016 , 4, 1-27	2.9	15
44	Transfer Learning to Infer Social Ties across Heterogeneous Networks. <i>ACM Transactions on Information Systems</i> , 2016 , 34, 1-43	4.8	30
43	Global Diffusion via Cascading Invitations 2015 ,		33
42	The Lifecycles of Apps in a Social Ecosystem 2015 ,		14
41	Prediction Policy Problems. <i>American Economic Review</i> , 2015 , 105, 491-495	9.7	201
40	How bad is forming your own opinion?. <i>Games and Economic Behavior</i> , 2015 , 92, 248-265	1.1	42
39	Analysis of large-scale social and information networks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20120378	3	19
38	Cascading behavior in social and economic networks 2013 ,		1
37	Subgraph frequencies 2013 ,		69

36	Algorithms, Networks, and Social Phenomena. <i>Lecture Notes in Computer Science</i> , 2013 , 1-3	0.9	
35	Structural diversity in social contagion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5962-6	11.5	410
34	How Bad is Forming Your Own Opinion? 2011 ,		31
33	Differences in the mechanics of information diffusion across topics 2011 ,		592
32	Signed networks in social media 2010 ,		599
31	Inferring social ties from geographic coincidences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 22436-41	11.5	293
30	The flow of on-line information in global networks 2010 ,		3
29	Networks, Crowds, and Markets: Reasoning about a Highly Connected World 2010 ,		1741
28	Some results of Christos Papadimitriou on internet structure, network routing, and web information. <i>Computer Science Review</i> , 2009 , 3, 119-125	8.3	
27	Line-of-Sight Networks. <i>Combinatorics Probability and Computing</i> , 2009 , 18, 145-163	0.6	12
26	The convergence of social and technological networks. <i>Communications of the ACM</i> , 2008 , 51, 66-72	2.5	195
25	Network Failure Detection and Graph Connectivity. <i>SIAM Journal on Computing</i> , 2008 , 38, 1330-1346	1.1	13
24	Stability of Load Balancing Algorithms in Dynamic Adversarial Systems. <i>SIAM Journal on Computing</i> , 2008 , 37, 1656-1673	1.1	6
23	The structure of information pathways in a social communication network 2008 ,		152
22	Tracing information flow on a global scale using Internet chain-letter data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 4633-8	11.5	257
21	Using mixture models for collaborative filtering. <i>Journal of Computer and System Sciences</i> , 2008 , 74, 49-69		17
20	The link-prediction problem for social networks. <i>Journal of the Association for Information Science and Technology</i> , 2007 , 58, 1019-1031		1968
19	The network of sequence flow between protein structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 11627-32	11.5	40

18	Graph evolution. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2007 , 1, 2	4	1340
17	Group formation in large social networks 2006 ,		872
16	Spatial gossip and resource location protocols. <i>Journal of the ACM</i> , 2004 , 51, 943-967	2	64
15	Detecting a Network Failure. <i>Internet Mathematics</i> , 2004 , 1, 37-55	0	9
14	Segmentation problems. <i>Journal of the ACM</i> , 2004 , 51, 263-280	2	48
13	Computational analysis of sequence selection mechanisms. <i>Structure</i> , 2004 , 12, 547-57	5.2	15
12	Convergent algorithms for collaborative filtering 2003 ,		21
11	Overview of the 2003 KDD Cup. <i>SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining</i> , 2003 , 5, 149-151	4.6	150
10	Bursty and Hierarchical Structure in Streams. <i>Data Mining and Knowledge Discovery</i> , 2003 , 7, 373-397	5.6	564
9	Auditing Boolean attributes. <i>Journal of Computer and System Sciences</i> , 2003 , 66, 244-253	1	38
8	Connectivity and Inference Problems for Temporal Networks. <i>Journal of Computer and System Sciences</i> , 2002 , 64, 820-842	1	167
7	Approximation algorithms for classification problems with pairwise relationships. <i>Journal of the ACM</i> , 2002 , 49, 616-639	2	169
6	Adversarial queuing theory. <i>Journal of the ACM</i> , 2001 , 48, 13-38	2	187
5	Universal-stability results and performance bounds for greedy contention-resolution protocols. <i>Journal of the ACM</i> , 2001 , 48, 39-69	2	152
4	Clustering categorical data: an approach based on dynamical systems. <i>VLDB Journal</i> , 2000 , 8, 222-236	3.9	98
3	Fast detection of common geometric substructure in proteins. <i>Journal of Computational Biology</i> , 1999 , 6, 313-25	1.7	41
2	A Microeconomic View of Data Mining. <i>Data Mining and Knowledge Discovery</i> , 1998 , 2, 311-324	5.6	109
1	Adversarial queueing theory 1996 ,		47

