

Uriel Feige

List of Publications by Year in descending order

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43
papers

5,307
citations

394286

19
h-index

377752

34
g-index

43
all docs

43
docs citations

43
times ranked

2628
citing authors

#	ARTICLE	IF	CITATIONS
1	A threshold of $\ln n$ for approximating set cover. <i>Journal of the ACM</i> , 1998, 45, 634-652.	1.8	2,240
2	Zero-knowledge proofs of identity. <i>Journal of Cryptology</i> , 1988, 1, 77-94.	2.1	747
3	Interactive proofs and the hardness of approximating cliques. <i>Journal of the ACM</i> , 1996, 43, 268-292.	1.8	402
4	Maximizing Non-monotone Submodular Functions. <i>SIAM Journal on Computing</i> , 2011, 40, 1133-1153.	0.8	279
5	Zero Knowledge and the Chromatic Number. <i>Journal of Computer and System Sciences</i> , 1998, 57, 187-199.	0.9	250
6	Improved Approximation Algorithms for Minimum Weight Vertex Separators. <i>SIAM Journal on Computing</i> , 2008, 38, 629-657.	0.8	190
7	Approximating the Domatic Number. <i>SIAM Journal on Computing</i> , 2002, 32, 172-195.	0.8	145
8	Finding and certifying a large hidden clique in a semirandom graph. <i>Random Structures and Algorithms</i> , 2000, 16, 195-208.	0.6	114
9	Approximating Min Sum Set Cover. <i>Algorithmica</i> , 2004, 40, 219-234.	1.0	114
10	Approximating Maximum Clique by Removing Subgraphs. <i>SIAM Journal on Discrete Mathematics</i> , 2004, 18, 219-225.	0.4	114
11	Spectral techniques applied to sparse random graphs. <i>Random Structures and Algorithms</i> , 2005, 27, 251-275.	0.6	106
12	Heuristics for Semirandom Graph Problems. <i>Journal of Computer and System Sciences</i> , 2001, 63, 639-671.	0.9	105
13	On Maximizing Welfare When Utility Functions Are Subadditive. <i>SIAM Journal on Computing</i> , 2009, 39, 122-142.	0.8	102
14	Derandomized graph products. <i>Computational Complexity</i> , 1995, 5, 60-75.	0.2	101
15	Santa claus meets hypergraph matchings. <i>ACM Transactions on Algorithms</i> , 2012, 8, 1-9.	0.9	32
16	Welfare maximization and the supermodular degree. , 2013, , .		31
17	Error Reduction by Parallel Repetition – A Negative Result. <i>Combinatorica</i> , 2002, 22, 461-478.	0.6	30
18	On the hardness of computing the permanent of random matrices. <i>Computational Complexity</i> , 1996, 6, 101-132.	0.2	26

#	ARTICLE	IF	CITATIONS
19	Graphs with Tiny Vector Chromatic Numbers and Huge Chromatic Numbers. SIAM Journal on Computing, 2004, 33, 1338-1368.	0.8	26
20	Improved Bounds for Acyclic Job Shop Scheduling. Combinatorica, 2002, 22, 361-399.	0.6	19
21	Randomized graph products, chromatic numbers, and Lovasz j-function. , 1995, , .		18
22	Approximating the domatic number. , 2000, , .		16
23	Short tandem repeat stutter model inferred from direct measurement of in vitro stutter noise. Nucleic Acids Research, 2019, 47, 2436-2445.	6.5	15
24	Approximating Min-sum Set Cover. Lecture Notes in Computer Science, 2002, , 94-107.	1.0	15
25	Finding and certifying a large hidden clique in a semirandom graph. , 2000, 16, 195.		12
26	Collecting coupons on trees, and the cover time of random walks. Computational Complexity, 1996, 6, 341-356.	0.2	11
27	Oblivious Algorithms for the Maximum Directed Cut Problem. Algorithmica, 2015, 71, 409-428.	1.0	9
28	One Message Proof Systems with Known Space Verifiers. , 1993, , 85-99.		6
29	Networks on which hot-potato routing does not livelock. Distributed Computing, 2000, 13, 53-58.	0.7	5
30	Shotgun assembly of random jigsaw puzzles. Random Structures and Algorithms, 2020, 56, 998-1015.	0.6	5
31	Finding and certifying a large hidden clique in a semirandom graph. Random Structures and Algorithms, 2000, 16, 195.	0.6	5
32	Deterministic approximation of the cover time. Random Structures and Algorithms, 2003, 23, 1-22.	0.6	4
33	Balanced coloring of bipartite graphs. Journal of Graph Theory, 2009, 64, n/a-n/a.	0.5	4
34	A greedy approximation algorithm for minimum-gap scheduling. Journal of Scheduling, 2017, 20, 279-292.	1.3	3
35	Buffer Management for Colored Packets with Deadlines. Theory of Computing Systems, 2011, 49, 738-756.	0.7	1
36	On giant components and treewidth in the layers model. Random Structures and Algorithms, 2016, 48, 524-545.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Optimization with Uniform Size Queries. <i>Algorithmica</i> , 2017, 78, 255-273.	1.0	1
38	Approximate Modularity Revisited. <i>SIAM Journal on Computing</i> , 2020, 49, 67-97.	0.8	1
39	Target set selection for conservative populations. <i>Discrete Applied Mathematics</i> , 2021, 305, 119-132.	0.5	1
40	On the path partition number of d -regular graphs. <i>Journal of Graph Theory</i> , 0, , .	0.5	1
41	Approximate modularity revisited. , 2017, , .		0
42	The Ordered Covering Problem. <i>Algorithmica</i> , 2018, 80, 2874-2908.	1.0	0
43	Are Gross Substitutes a Substitute for Submodular Valuations?. , 2021, , .		0