

Sanjeev Arora

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,873
citations

361045

20
h-index

525886

27
g-index

31
all docs

31
docs citations

31
times ranked

1946
citing authors

#	ARTICLE	IF	CITATIONS
1	Proof verification and the hardness of approximation problems. Journal of the ACM, 1998, 45, 501-555.	1.8	1,079
2	Polynomial time approximation schemes for Euclidean traveling salesman and other geometric problems. Journal of the ACM, 1998, 45, 753-782.	1.8	866
3	Probabilistic checking of proofs. Journal of the ACM, 1998, 45, 70-122.	1.8	819
4	Title is missing!. Theory of Computing, 2012, 8, 121-164.	0.3	449
5	Expander flows, geometric embeddings and graph partitioning. Journal of the ACM, 2009, 56, 1-37.	1.8	258
6	The Hardness of Approximate Optima in Lattices, Codes, and Systems of Linear Equations. Journal of Computer and System Sciences, 1997, 54, 317-331.	0.9	237
7	Polynomial Time Approximation Schemes for Dense Instances of NP-Hard Problems. Journal of Computer and System Sciences, 1999, 58, 193-210.	0.9	141
8	A Latent Variable Model Approach to PMI-based Word Embeddings. Transactions of the Association for Computational Linguistics, 2016, 4, 385-399.	3.2	124
9	Improved Low-Degree Testing and its Applications. Combinatorica, 2003, 23, 365-426.	0.6	122
10	Approximation schemes for NP-hard geometric optimization problems: a survey. Mathematical Programming, 2003, 97, 43-69.	1.6	92
11	Subexponential Algorithms for Unique Games and Related Problems. , 2010, , .		92
12	Linear Algebraic Structure of Word Senses, with Applications to Polysemy. Transactions of the Association for Computational Linguistics, 2018, 6, 483-495.	3.2	80
13	Euclidean distortion and the sparsest cut. Journal of the American Mathematical Society, 2008, 21, 1-21.	1.9	69
14	Title is missing!. Theory of Computing, 2006, 2, 19-51.	0.3	62
15	Mapping between fMRI responses to movies and their natural language annotations. NeuroImage, 2018, 180, 223-231.	2.1	61
16	A new rounding procedure for the assignment problem with applications to dense graph arrangement problems. Mathematical Programming, 2002, 92, 1-36.	1.6	56
17	A Combinatorial, Primal-Dual Approach to Semidefinite Programs. Journal of the ACM, 2016, 63, 1-35.	1.8	46
18	The approximability of NP-hard problems. , 1998, , .		39

#	ARTICLE	IF	CITATIONS
19	Approximation Schemes for Minimum Latency Problems. SIAM Journal on Computing, 2003, 32, 1317-1337.	0.8	32
20	$O(\sqrt{\log n})$ Approximation to SPARSEST CUT in $\tilde{O}(n^2)$ Time. SIAM Journal on Computing, 2010, 39, 1748-1771.	0.8	32
21	A $2 + \epsilon$ approximation algorithm for the k -MST problem. Mathematical Programming, 2006, 107, 491-504.	1.6	28
22	Approximation schemes for minimum latency problems. , 1999, , .		27
23	Approximation Schemes for Degree-Restricted MST and Red-Blue Separation Problems. Algorithmica, 2004, 40, 189-210.	1.0	23
24	Fitting algebraic curves to noisy data. Journal of Computer and System Sciences, 2003, 67, 325-340.	0.9	13
25	Towards a Study of Low-Complexity Graphs. Lecture Notes in Computer Science, 2009, , 119-131.	1.0	9
26	Towards Strong Nonapproximability Results in the Lovász-Schrijver Hierarchy. Computational Complexity, 2011, 20, 615-648.	0.2	6
27	Local Versus Global Properties of Metric Spaces. SIAM Journal on Computing, 2012, 41, 250-271.	0.8	6
28	Approximation Schemes for Degree-Restricted MST and Red-Blue Separation Problem. Lecture Notes in Computer Science, 2003, , 176-188.	1.0	2
29	Testing Permanent Oracles – Revisited. Lecture Notes in Computer Science, 2012, , 362-373.	1.0	2
30	A Randomized Online Algorithm for Bandwidth Utilization. Journal of Scheduling, 2004, 7, 187-194.	1.3	1