

Sanjeev Arora

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,873
citations

361296

20
h-index

526166

27
g-index

31
all docs

31
docs citations

31
times ranked

1946
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping between fMRI responses to movies and their natural language annotations. <i>NeuroImage</i> , 2018, 180, 223-231.	2.1	61
2	Linear Algebraic Structure of Word Senses, with Applications to Polysemy. <i>Transactions of the Association for Computational Linguistics</i> , 2018, 6, 483-495.	3.2	80
3	A Latent Variable Model Approach to PMI-based Word Embeddings. <i>Transactions of the Association for Computational Linguistics</i> , 2016, 4, 385-399.	3.2	124
4	A Combinatorial, Primal-Dual Approach to Semidefinite Programs. <i>Journal of the ACM</i> , 2016, 63, 1-35.	1.8	46
5	Local Versus Global Properties of Metric Spaces. <i>SIAM Journal on Computing</i> , 2012, 41, 250-271.	0.8	6
6	Title is missing!. <i>Theory of Computing</i> , 2012, 8, 121-164.	0.3	449
7	Testing Permanent Oracles â€“ Revisited. <i>Lecture Notes in Computer Science</i> , 2012, , 362-373.	1.0	2
8	Towards Strong Nonapproximability Results in the LovÃ¡sz-Schrijver Hierarchy. <i>Computational Complexity</i> , 2011, 20, 615-648.	0.2	6
9	$O(\sqrt{\log n})$ Approximation to SPARSEST CUT in $O(n^2)$ Time. <i>SIAM Journal on Computing</i> , 2010, 39, 1748-1771.	0.8	32
10	Subexponential Algorithms for Unique Games and Related Problems. , 2010, , .		92
11	Expander flows, geometric embeddings and graph partitioning. <i>Journal of the ACM</i> , 2009, 56, 1-37.	1.8	258
12	Towards a Study of Low-Complexity Graphs. <i>Lecture Notes in Computer Science</i> , 2009, , 119-131.	1.0	9
13	Euclidean distortion and the sparsest cut. <i>Journal of the American Mathematical Society</i> , 2008, 21, 1-21.	1.9	69
14	A $2 + \epsilon$ approximation algorithm for the k-MST problem. <i>Mathematical Programming</i> , 2006, 107, 491-504.	1.6	28
15	Title is missing!. <i>Theory of Computing</i> , 2006, 2, 19-51.	0.3	62
16	A Randomized Online Algorithm for Bandwidth Utilization. <i>Journal of Scheduling</i> , 2004, 7, 187-194.	1.3	1
17	Approximation Schemes for Degree-Restricted MST and Red-Blue Separation Problems. <i>Algorithmica</i> , 2004, 40, 189-210.	1.0	23
18	Approximation Schemes for Degree-Restricted MST and Red-Blue Separation Problem. <i>Lecture Notes in Computer Science</i> , 2003, , 176-188.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Approximation schemes for NP-hard geometric optimization problems: a survey. <i>Mathematical Programming</i> , 2003, 97, 43-69.	1.6	92
20	Improved Low-Degree Testing and its Applications. <i>Combinatorica</i> , 2003, 23, 365-426.	0.6	122
21	Fitting algebraic curves to noisy data. <i>Journal of Computer and System Sciences</i> , 2003, 67, 325-340.	0.9	13
22	Approximation Schemes for Minimum Latency Problems. <i>SIAM Journal on Computing</i> , 2003, 32, 1317-1337.	0.8	32
23	A new rounding procedure for the assignment problem with applications to dense graph arrangement problems. <i>Mathematical Programming</i> , 2002, 92, 1-36.	1.6	56
24	Approximation schemes for minimum latency problems. , 1999, , .		27
25	Polynomial Time Approximation Schemes for Dense Instances of NP-Hard Problems. <i>Journal of Computer and System Sciences</i> , 1999, 58, 193-210.	0.9	141
26	Polynomial time approximation schemes for Euclidean traveling salesman and other geometric problems. <i>Journal of the ACM</i> , 1998, 45, 753-782.	1.8	866
27	Proof verification and the hardness of approximation problems. <i>Journal of the ACM</i> , 1998, 45, 501-555.	1.8	1,079
28	Probabilistic checking of proofs. <i>Journal of the ACM</i> , 1998, 45, 70-122.	1.8	819
29	The approximability of NP-hard problems. , 1998, , .		39
30	The Hardness of Approximate Optima in Lattices, Codes, and Systems of Linear Equations. <i>Journal of Computer and System Sciences</i> , 1997, 54, 317-331.	0.9	237