

Aravind Srinivasan

List of Publications by Year in descending order

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44
papers

1,907
citations

535685

17
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466096

32
g-index

44
all docs

44
docs citations

44
times ranked

1576
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial resampling to approximate covering integer programs. Random Structures and Algorithms, 2021, 58, 68-93.	0.6	0
2	Algorithms to Approximate Column-sparse Packing Problems. ACM Transactions on Algorithms, 2020, 16, 1-32.	0.9	3
3	A new approximation technique for resource allocation problems. Random Structures and Algorithms, 2018, 52, 680-715.	0.6	7
4	Improved Bounds in Stochastic Matching and Optimization. Algorithmica, 2018, 80, 3225-3252.	1.0	8
5	An Improved Approximation Algorithm for Knapsack Median Using Sparsification. Algorithmica, 2018, 80, 1093-1114.	1.0	3
6	Improved bounds and algorithms for graph cuts and network reliability. Random Structures and Algorithms, 2018, 52, 74-135.	0.6	2
7	Algorithms to Approximate Column-Sparse Packing Problems. , 2018, , 311-330.		3
8	Hierarchical scheduling algorithms with throughput guarantees and low delay. , 2018, , .		0
9	Efficient computation of sparse structures. Random Structures and Algorithms, 2016, 49, 322-344.	0.6	0
10	A note on near-optimal coloring of shift hypergraphs. Random Structures and Algorithms, 2016, 48, 53-56.	0.6	1
11	Lift-and-round to improve weighted completion time on unrelated machines. , 2016, , .		21
12	On the Energy Efficiency of Device Discovery in Mobile Opportunistic Networks: A Systematic Approach. IEEE Transactions on Mobile Computing, 2015, 14, 786-799.	3.9	24
13	Your Friends Have More Friends Than You Do: Identifying Influential Mobile Users Through Random-Walk Sampling. IEEE/ACM Transactions on Networking, 2014, 22, 1389-1400.	2.6	16
14	Enabling energy-aware collaborative mobile data offloading for smartphones. , 2013, , .		69
15	Mobile Data Offloading through Opportunistic Communications and Social Participation. IEEE Transactions on Mobile Computing, 2012, 11, 821-834.	3.9	417
16	Title is missing!. Theory of Computing, 2012, 8, 533-565.	0.3	28
17	Capacity of wireless networks under SINR interference constraints. Wireless Networks, 2011, 17, 1605-1624.	2.0	23
18	Local balancing influences global structure in social networks. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1751-1752.	3.3	46

#	ARTICLE	IF	CITATIONS
19	New Constructive Aspects of the Lovasz Local Lemma. , 2010, , .		14
20	Scheduling on Unrelated Machines under Tree-Like Precedence Constraints. Algorithmica, 2009, 55, 205-226.	1.0	14
21	Cost-Sharing Mechanisms for Network Design. Algorithmica, 2008, 50, 98-119.	1.0	20
22	The Randomized Coloring Procedure with Symmetry-Breaking. Lecture Notes in Computer Science, 2008, , 306-319.	1.0	7
23	Budgeted Allocations in the Full-Information Setting. Lecture Notes in Computer Science, 2008, , 247-253.	1.0	18
24	Minimum Weighted Completion Time. , 2008, , 544-546.		3
25	Integrality Ratio for Group Steiner Trees and Directed Steiner Trees. SIAM Journal on Computing, 2007, 36, 1494-1511.	0.8	19
26	Randomized Algorithms and Probabilistic Analysis in Wireless Networking. Lecture Notes in Computer Science, 2007, , 54-57.	1.0	0
27	Approximation algorithms for channel allocation problems in broadcast networks. Networks, 2006, 47, 225-236.	1.6	1
28	Title is missing!. Theory of Computing, 2006, 2, 53-64.	0.3	8
29	Fast distributed algorithms for (weakly) connected dominating sets and linear-size skeletons. Journal of Computer and System Sciences, 2005, 71, 467-479.	0.9	58
30	Algorithmic aspects of capacity in wireless networks. , 2005, , .		109
31	Scheduling on Unrelated Machines Under Tree-Like Precedence Constraints. Lecture Notes in Computer Science, 2005, , 146-157.	1.0	9
32	Approximation algorithms for partial covering problems. Journal of Algorithms, 2004, 53, 55-84.	0.9	154
33	When does a random Robin Hood win?. Theoretical Computer Science, 2003, 304, 477-484.	0.5	1
34	Resilient multicast using overlays. Performance Evaluation Review, 2003, 31, 102-113.	0.4	19
35	On the Covering Steiner Problem. Lecture Notes in Computer Science, 2003, , 244-251.	1.0	5
36	Approximating the Domatic Number. SIAM Journal on Computing, 2002, 32, 172-195.	0.8	145

#	ARTICLE	IF	CITATIONS
37	Approximation algorithms for the covering Steiner problem. <i>Random Structures and Algorithms</i> , 2002, 20, 465-482.	0.6	25
38	Improved Approximation Algorithms for the Partial Vertex Cover Problem. <i>Lecture Notes in Computer Science</i> , 2002, , 161-174.	1.0	22
39	Better Approximation Guarantees for Job-Shop Scheduling. <i>SIAM Journal on Discrete Mathematics</i> , 2001, 14, 67-92.	0.4	39
40	Approximation Algorithms for Partial Covering Problems. <i>Lecture Notes in Computer Science</i> , 2001, , 225-236.	1.0	20
41	Improved bounds and algorithms for hypergraph 2-coloring. , 2000, 16, 4-32.		112
42	Improved bounds and algorithms for hypergraph 2-coloring. , 2000, 16, 4.		4
43	Randomized Distributed Edge Coloring via an Extension of the Chernoff–Hoeffding Bounds. <i>SIAM Journal on Computing</i> , 1997, 26, 350-368.	0.8	191
44	Chernoff–Hoeffding Bounds for Applications with Limited Independence. <i>SIAM Journal on Discrete Mathematics</i> , 1995, 8, 223-250.	0.4	219