Samir Khuller

List of Publications by Year
in descending order

46	2,329	566801	377514
papers	citations	15	34
		h-index	g-index

47	47	47	1457
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The budgeted maximum coverage problem. Information Processing Letters, 1999, 70, 39-45.	0.4	757
2	Greedy Strikes Back: Improved Facility Location Algorithms. Journal of Algorithms, 1999, 31, 228-248.	0.9	370
3	Biconnectivity approximations and graph carvings. Journal of the ACM, 1994, 41, 214-235.	1.8	176
4	Achieving anonymity via clustering. , 2006, , .		163
5	Improved Methods for Approximating Node Weighted Steiner Trees and Connected Dominating Sets. Information and Computation, 1999, 150, 57-74.	0.5	156
6	Improved Approximation Algorithms for Uniform Connectivity Problems. Journal of Algorithms, 1996, 21, 434-450.	0.9	131
7	The Capacitated K-Center Problem. SIAM Journal on Discrete Mathematics, 2000, 13, 403-418.	0.4	114
8	Achieving anonymity via clustering. ACM Transactions on Algorithms, 2010, 6, 1-19.	0.9	68
9	Minimizing Communication Cost in Distributed Multi-query Processing. Proceedings - International Conference on Data Engineering, 2009, , .	0.0	33
10	Computing most probable worlds of action probabilistic logic programs: scalable estimation for 1030,000 worlds. Annals of Mathematics and Artificial Intelligence, 2007, 51, 295-331.	0.9	32
11	Algorithms for Minimizing Response Time in Broadcast Scheduling. Algorithmica, 2004, 38, 597-608.	1.0	28
12	LP Rounding for k-Centers with Non-uniform Hard Capacities. , 2012, , .		26
13	The General Steiner Tree-Star problem. Information Processing Letters, 2002, 84, 215-220.	0.4	25
14	Relay placement for fault tolerance in wireless networks in higher dimensions. Computational Geometry: Theory and Applications, 2011, 44, 206-215.	0.3	25
15	On Computing Compression Trees for Data Collection in Wireless Sensor Networks. , 2010, , .		24
16	Approximating the Minimal Sensor Selection for Supervisory Control. Discrete Event Dynamic Systems: Theory and Applications, 2006, 16, 143-170.	0.6	23
17	Query Planning in the Presence of Overlapping Sources. Lecture Notes in Computer Science, 2006, , 811-828.	1.0	18
18	Graph and network algorithms. ACM Computing Surveys, 1996, 28, 43-45.	16.1	16

#	Article	IF	Citations
19	The load–distance balancing problem. Networks, 2012, 59, 22-29.	1.6	15
20	A Model for Minimizing Active Processor Time. Algorithmica, 2014, 70, 368-405.	1.0	15
21	Broadcasting in Heterogeneous Networks. Algorithmica, 2007, 48, 1-21.	1.0	14
22	A Model for Minimizing Active Processor Time. Lecture Notes in Computer Science, 2012, , 289-300.	1.0	13
23	The landscape of receptor-mediated precision cancer combination therapy via a single-cell perspective. Nature Communications, 2022, 13, 1613.	5.8	12
24	The full-degree spanning tree problem. Networks, 2000, 36, 203-209.	1.6	11
25	Analyzing the Optimal Neighborhood: Algorithms for Partial and Budgeted Connected Dominating Set Problems. SIAM Journal on Discrete Mathematics, 2020, 34, 251-270.	0.4	11
26	Facility Location with Dynamic Distance Functions. Journal of Combinatorial Optimization, 1998, 2, 199-217.	0.8	9
27	Energy Efficient Monitoring in Sensor Networks. Algorithmica, 2011, 59, 94-114.	1.0	9
28	Data migration on parallel disks: Algorithms and evaluation. Algorithmica, 2006, 45, 137-158.	1.0	6
29	Algorithms for the Thermal Scheduling Problem. , 2013, , .		6
30	On the tradeoff between playback delay and buffer space in streaming. , 2009, , .		3
31	Scheduling Distributed Clusters of Parallel Machines : Primal-Dual and LP-based Approximation Algorithms. Algorithmica, 2018, 80, 2777-2798.	1.0	3
32	Graph Connectivity. , 2008, , 371-373.		3
33	New Approximation Results for Resource Replication Problems. Lecture Notes in Computer Science, 2012, , 218-230.	1.0	3
34	Broadcasting on Networks of Workstations. Algorithmica, 2010, 57, 848-868.	1.0	2
35	Facility location with red–blue demands. Operations Research Letters, 2014, 42, 462-465.	0.5	2
36	A performance study of Bistro, a scalable upload architecture. Performance Evaluation Review, 2002, 29, 31-39.	0.4	2

#	Article	IF	Citations
37	Approximation algorithms for channel allocation problems in broadcast networks. Networks, 2006, 47, 225-236.	1.6	1
38	Improved Approximation Algorithms for Data Migration. Algorithmica, 2012, 63, 347-362.	1.0	1
39	New Approximation Results for Resource Replication Problems. Algorithmica, 2016, 74, 969-991.	1.0	1
40	Revisiting Connected Dominating Sets: An Optimal Local Algorithm?. , 2018, , .		1
41	Revisiting Connected Dominating Sets: An Almost Optimal Local Information Algorithm. Algorithmica, 2019, 81, 2592-2605.	1.0	1
42	Open Problems: 11. ACM SIGACT News, 1995, 26, 33.	0.1	0
43	Open Problems: 13. ACM SIGACT News, 1996, 27, 52-54.	0.1	0
44	Open Problems 14. ACM SIGACT News, 1996, 27, 11.	0.1	0
45	Graph Connectivity. , 2016, , 872-875.		0
46	LP-based approximation for uniform capacitated facility location problem. Discrete Optimization, 2022, 45, 100723.	0.6	0