Amotz Bar-Noy

List of Publications by Year
in descending order

		394421	289244
66 papers	1,916 citations	19 h-index	40 g-index
66 all docs	66 docs citations	66 times ranked	770 citing authors

#	Article	IF	Citations
1	Gathering Information in Sensor Networks for Synchronized Freshness. , 2017, , .		0
2	Set It and Forget It: Approximating the Set Once Strip Cover Problem. Algorithmica, 2017, 79, 368-386.	1.3	3
3	Sensor Selection for Heterogeneous Coverage Measures. , 2017, , .		0
4	You canâ€™t get there from here: sensor scheduling with refocusing delays. Wireless Networks, 2015, 21, 1683-1698.	3.0	1
5	Average Case Network Lifetime on an Interval with Adjustable Sensing Ranges. Algorithmica, 2015, 72, 148-166.	1.3	8
6	Throughput Maximization in Mobile WSN Scheduling With Power Control and Rate Selection. IEEE Transactions on Wireless Communications, 2014, 13, 4066-4079.	9.2	18
7	Broadcasting in multi-radio multi-channel wireless networks using simplicial complexes. Wireless Networks, 2013, 19, 1121-1133.	3.0	19
8	Convergecast with aggregatable data classes. , 2012, , .		3
9	Who, When, Where: Timeslot Assignment to Mobile Clients. IEEE Transactions on Mobile Computing, 2012, 11, 73-85.	5.8	14
10	Proactive data dissemination to mission sites. Wireless Networks, 2012, 18, 749-762.	3.0	0
11	Throughput Maximization in Mobile WSN Scheduling with Power Control and Rate Selection. , 2012, , .		3
12	Should I Stay or Should I Go? Maximizing Lifetime with Relays. , 2012, , .		4
13	Online maximum directed cut. Journal of Combinatorial Optimization, 2012, 24, 52-64.	1.3	8
14	Windows scheduling of arbitrary-length jobs on multiple machines. Journal of Scheduling, 2012, 15, 141-155.	1.9	4
15	Sensor allocation in diverse environments. Wireless Networks, 2012, 18, 697-711.	3.0	4
16	A distributed architecture for heterogeneous multi sensor-task allocation. , 2011, , .		7
17	Broadcasting info-pages to sensors: efficiency versus energy conservation. Wireless Networks, 2011, 17, 1529-1542.	3.0	0
18	Demo: A distributed architecture for heterogeneous multi sensor-task allocation. , 2011, , .		14

#	ARTICLE	IF	CITATIONS
19	You can't get there from here: Sensor scheduling with refocusing delays. , 2010, , .		0
20	Sensor-Mission Assignment in Constrained Environments. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 1692-1705.	5.6	23
21	Proactive Data Dissemination to Mission Sites. , 2009, , .		2
22	Throughput maximization of real-time scheduling with batching. ACM Transactions on Algorithms, 2009, 5, 1-17.	1.0	13
23	A general buffer scheme for the windows scheduling problem. Journal of Experimental Algorithmics, 2009, 13, .	1.0	1
24	Online Dynamic Programming Speedups. Theory of Computing Systems, 2009, 45, 429-445.	1.1	2
25	Who, when, where: Timeslot assignment to mobile clients. , 2009, , .		0
26	Saving Energy for (and from) a Sunny Day: Lowering Peak Demands with Batteries. , 2009, , .		0
27	Scheduling Techniques for Media-on-Demand. Algorithmica, 2008, 52, 413-439.	1.3	4
28	Optimal delay for media-on-demand with pre-loading and pre-buffering. Theoretical Computer Science, 2008, 399, 3-11.	0.9	6
29	Assigning Sensors to Competing Missions. , 2008, , .		19
30	Utility-based joint sensor selection and congestion control for task-oriented WSNs. , 2008, , .		4
31	Broadcasting Info-Pages to Sensors: Efficiency vs. Energy Conservation. , 2008, , .		1
32	More is more: The benefits of dense sensor deployment. , 2008, , .		1
33	Windows scheduling as a restricted version of bin packing. ACM Transactions on Algorithms, 2007, 3, 28.	1.0	27
34	Off-line and on-line guaranteed start-up delay for Media-on-Demand with stream merging. Journal of Discrete Algorithms, 2006, 4, 72-105.	0.7	5
35	Efficient multicast search under delay and bandwidth constraints. Wireless Networks, 2006, 12, 747-757.	3.0	10
36	Optimal Delay for Media-on-Demand with Pre-loading and Pre-buffering. Lecture Notes in Computer Science, 2006, , 171-181.	1.3	0

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37	A General Buffer Scheme for the Windows Scheduling Problem. Lecture Notes in Computer Science, 2005, , 139-151.	1.3	3
38	Windows scheduling of arbitrary length jobs on parallel machines. , 2005, , .		3
39	Broadcast Disks with Polynomial Cost Functions. Wireless Networks, 2004, 10, 157-168.	3.0	7
40	Comparison of stream merging algorithms for media-on-demand. Multimedia Systems, 2004, 9, 411-423.	4.7	29
41	Efficient Algorithms for Optimal Stream Merging for Media-on-Demand. SIAM Journal on Computing, 2004, 33, 1011-1034.	1.0	16
42	Pushing Dependent Data in Clientsâ€"Providersâ€"Servers Systems. Wireless Networks, 2003, 9, 421-430.	3.0	25
43	Competitive on-line stream merging algorithms for media-on-demand. Journal of Algorithms, 2003, 48, 59-90.	0.9	7
44	Windows Scheduling Problems for Broadcast Systems. SIAM Journal on Computing, 2003, 32, 1091-1113.	1.0	49
45	Minimizing Service and Operation Costs of Periodic Scheduling. Mathematics of Operations Research, 2002, 27, 518-544.	1.3	111
46	Nearly optimal perfectly periodic schedules. Distributed Computing, 2002, 15, 207-220.	0.8	20
47	On-Line Load Balancing in a Hierarchical Server Topology. SIAM Journal on Computing, 2001, 31, 527-549.	1.0	80
48	Approximating the Throughput of Multiple Machines in Real-Time Scheduling. SIAM Journal on Computing, 2001, 31, 331-352.	1.0	144
49	A unified approach to approximating resource allocation and scheduling. Journal of the ACM, 2001, 48, 1069-1090.	2.2	288
50	Sum Multicoloring of Graphs. Journal of Algorithms, 2000, 37, 422-450.	0.9	39
51	Optimal Broadcasting of Two Files over an Asymmetric Channel. Journal of Parallel and Distributed Computing, 2000, 60, 474-493.	4.1	13
52	New algorithms for related machines with temporary jobs. Journal of Scheduling, 2000, 3, 259-272.	1.9	14
53	Optimal multiple message broadcasting in telephone-like communication systems. Discrete Applied Mathematics, 2000, 100, 1-15.	0.9	22
54	A matched approximation bound for the sum of a greedy coloring. Information Processing Letters, 1999, 71, 135-140.	0.6	10

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55	Bandwidth Allocation with Preemption. SIAM Journal on Computing, 1999, 28, 1806-1828.	1.0	34
56	Sum Multi-coloring of Graphs. Lecture Notes in Computer Science, 1999, , 390-401.	1.3	11
57	On Chromatic Sums and Distributed Resource Allocation. Information and Computation, 1998, 140, 183-202.	0.7	123
58	Minimum Color Sum of Bipartite Graphs. Journal of Algorithms, 1998, 28, 339-365.	0.9	54
59	Multiple message broadcasting in the postal model. Networks, 1997, 29, 1-10.	2.7	8
60	Broadcasting multiple messages in simultaneous send/receive systems. Discrete Applied Mathematics, 1994, 55, 95-105.	0.9	25
61	Designing broadcasting algorithms in the postal model for message-passing systems. , 1992, , .		115
62	Single round simulation on radio networks. Journal of Algorithms, 1992, 13, 188-210.	0.9	36
63	A lower bound for radio broadcast. Journal of Computer and System Sciences, 1991, 43, 290-298.	1.2	309
64	Consensus algorithms with one-bit messages. Distributed Computing, 1991, 4, 105-110.	0.8	22
65	Optimal amortized distributed consensus. , 1991, , 95-107.		3
66	Shifting gears: changing algorithms on the fly to expedite Byzantine agreement. , 1987, , .		68