Yossi Azar

List of Publications by Year in Descending Order

73 papers	1,633 citations	24 h-index	38 g-index
75 ext. papers	1,907 ext. citations	1.2 avg, IF	4.27 L-index

#	Paper	IF	Citations
73	The Price of Bounded Preemption. *ACM Transactions on Parallel Computing*, **2021**, 8, 1-21	1.4	
72	Deterministic Min-Cost Matching with Delays. *Theory of Computing Systems*, **2020**, 64, 572-592	0.6	0
71	Tractable near-optimal policies for crawling. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 8099-8103	11.5	11
70	2-Approximation algorithm for a generalization of scheduling on unrelated parallel machines. *Information Processing Letters*, **2018**, 139, 39-43	0.8	1
69	An improved algorithm for online machine minimization. *Operations Research Letters*, **2018**, 46, 128-133	1	4
68	Improved Online Algorithm for Weighted Flow Time **2018**,		1
67	Scheduling with Deadlines and Buffer Management with Processing Requirements. *Algorithmica*, **2017**, 78, 1246-1262	0.9	1
66	Online service with delay **2017**,		10
65	Truthful mechanism design via correlated tree rounding. *Mathematical Programming*, **2017**, 163, 445-469	2.1	4
64	Polylogarithmic Bounds on the Competitiveness of Min-cost Perfect Matching with Delays **2017**,		10
63	Make-to-Order Integrated Scheduling and Distribution **2016**,		2
62	How to Allocate Goods in an Online Market?. *Algorithmica*, **2016**, 74, 589-601	0.9	1
61	Online Algorithms for Covering and Packing Problems with Convex Objectives **2016**,		14
60	Truthful Mechanism Design via Correlated Tree Rounding **2015**,		2
59	Optimal Coordination Mechanisms for Unrelated Machine Scheduling. *Operations Research*, **2015**, 63, 489-500	2.3	17
58	Serving in the Dark should be done Non-Uniformly. *Lecture Notes in Computer Science*, **2015**, 91-102	0.9	2
57	The Price of Routing Unsplittable Flow. *SIAM Journal on Computing*, **2013**, 42, 160-177	1.1	27

56	Efficient Submodular Function Maximization under Linear Packing Constraints. *Lecture Notes in Computer Science*, **2012**, 38-50	0.9	12
55	Buffer Management for Colored Packets with Deadlines. *Theory of Computing Systems*, **2011**, 49, 738-756	0.6	1
54	Maximum bipartite flow in networks with adaptive channel width. *Theoretical Computer Science*, **2011**, 412, 2577-2587	1.1	5
53	Truthful unsplittable flow for large capacity networks. *ACM Transactions on Algorithms*, **2010**, 6, 1-20	1.2	1
52	A Preemptive Algorithm for Maximizing Disjoint Paths on Trees. *Algorithmica*, **2010**, 57, 517-537	0.9	1
51	Tell Me Who I Am: An Interactive Recommendation System. *Theory of Computing Systems*, **2009**, 45, 261-279	0.6	6
50	The Online Set Cover Problem. *SIAM Journal on Computing*, **2009**, 39, 361-370	1.1	58
49	Maximum Bipartite Flow in Networks with Adaptive Channel Width. *Lecture Notes in Computer Science*, **2009**, 351-362	0.9	
48	Collaborate with Strangers to Find Own Preferences. *Theory of Computing Systems*, **2008**, 42, 27-41	0.6	2
47	Truthful Approximation Mechanisms for Scheduling Selfish Related Machines. *Theory of Computing Systems*, **2007**, 40, 423-436	0.6	17
46	Minimizing Total Flow Time and Total Completion Time with Immediate Dispatching. *Algorithmica*, **2007**, 47, 253-268	0.9	12
45	Truthful unsplittable flow for large capacity networks **2007**,		4
44	An improved algorithm for CIOQ switches. *ACM Transactions on Algorithms*, **2006**, 2, 282-295	1.2	27
43	Tradeoffs in worst-case equilibria. *Theoretical Computer Science*, **2006**, 361, 200-209	1.1	42
42	Combinatorial Algorithms for the Unsplittable Flow Problem. *Algorithmica*, **2006**, 44, 49-66	0.9	29
41	Maximizing throughput in multi-queue switches. *Algorithmica*, **2006**, 45, 69-90	0.9	35
40	Management of Multi-Queue Switches in QoS Networks. *Algorithmica*, **2005**, 43, 81-96	0.9	29
39	Collaborate with strangers to find own preferences **2005**,		14

38	. *Theory of Computing*, **2005**, 1, 105-117	1.1	2
37	The zero-one principle for switching networks **2004**,		31
36	On-line generalized Steiner problem. *Theoretical Computer Science*, **2004**, 324, 313-324	1.1	38
35	All-norm approximation algorithms. *Journal of Algorithms*, **2004**, 52, 120-133		40
34	Optimal oblivious routing in polynomial time. *Journal of Computer and System Sciences*, **2004**, 69, 383-394		34
33	On-Line Load Balancing of Temporary Tasks on Identical Machines. *SIAM Journal on Discrete Mathematics*, **2004**, 18, 347-352	0.7	3
32	Maximizing Throughput in Multi-queue Switches. *Lecture Notes in Computer Science*, **2004**, 53-64	0.9	13
31	Management of multi-queue switches in QoS networks **2003**,		23
30	Beating the Logarithmic Lower Bound: Randomized Preemptive Disjoint Paths and Call Control Algorithms. *Journal of Scheduling*, **2003**, 6, 113-129	1.6	11
29	On-line restricted assignment of temporary tasks with unknown durations. *Information Processing Letters*, **2003**, 85, 67-72	0.8	0
28	On-line scheduling with precedence constraints. *Discrete Applied Mathematics*, **2002**, 119, 169-180	1	1
27	Fair versus Unrestricted Bin Packing. *Algorithmica*, **2002**, 34, 181-196	0.9	15
26	Minimizing the Flow Time Without Migration. *SIAM Journal on Computing*, **2002**, 31, 1370-1382	1.1	24
25	Maximizing job benefits on-line. *Journal of Scheduling*, **2001**, 4, 287-296	1.6	
24	Competitive Routing of Virtual Circuits with Unknown Duration. *Journal of Computer and System Sciences*, **2001**, 62, 385-397	1	15
23	Spectral analysis of data **2001**,		131
22	Resource augmentation in load balancing. *Journal of Scheduling*, **2000**, 3, 249-258	1.6	5
21	Independent Sets in Hypergraphs with Applications to Routing Via Fixed Paths. *Lecture Notes in Computer Science*, **1999**, 16-27	0.9	8

20	Approximation schemes for scheduling on parallel machines. *Journal of Scheduling*, **1998**, 1, 55-66	1.6	130
19	On-line machine covering. *Journal of Scheduling*, **1998**, 1, 67-77	1.6	26
18	Approximating Probability Distributions Using Small Sample Spaces. *Combinatorica*, **1998**, 18, 151-171	0.9	25
17	New Approximation Guarantees for Minimum-Weight k-Trees and Prize-Collecting Salesmen. *SIAM Journal on Computing*, **1998**, 28, 254-262	1.1	78
16	Approximation schemes for scheduling on parallel machines **1998**, 1, 55		1
15	On-line routing of virtual circuits with applications to load balancing and machine scheduling. *Journal of the ACM*, **1997**, 44, 486-504	2	223
14	On-Line Load Balancing of Temporary Tasks. *Journal of Algorithms*, **1997**, 22, 93-110		42
13	On Two Dimensional Packing. *Journal of Algorithms*, **1997**, 25, 290-310		18
12	Biased random walks. *Combinatorica*, **1996**, 16, 1-18	0.9	19
11	On-line competitive algorithms for call admission in optical networks. *Lecture Notes in Computer Science*, **1996**, 431-444	0.9	13
10	On-line load balancing. *Theoretical Computer Science*, **1994**, 130, 73-84	1.1	47
9	Lower Bounds for Insertion Methods for TSP. *Combinatorics Probability and Computing*, **1994**, 3, 285-292	0.6	6
8	On-line load balancing with applications to machine scheduling and virtual circuit routing **1993**,		70
7	On-line steiner trees in the Euclidean plane. *Discrete and Computational Geometry*, **1993**, 10, 113-121	0.6	33
6	Online load balancing of temporary tasks. *Lecture Notes in Computer Science*, **1993**, 119-130	0.9	28
5	Lower Bounds for Threshold and Symmetric Functions in Parallel Computation. *SIAM Journal on Computing*, **1992**, 21, 329-338	1.1	5
4	Parallel selection. *Discrete Applied Mathematics*, **1990**, 27, 49-58	1	18
3	Sorting, Approximate Sorting, and Searching in Rounds. *SIAM Journal on Discrete Mathematics*, **1988**, 1, 269-280	0.7	15

2	Tight Comparison Bounds on the Complexity of Parallel Sorting. *SIAM Journal on Computing*, **1987**, 16, 458-464	1.1	32
1	Tight complexity bounds for parallel comparison sorting **1986**,		8