

Yair Bartal

List of Publications by Year in descending order

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31
papers

1,014
citations

840776

11
h-index

713466

21
g-index

31
all docs

31
docs citations

31
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	Covering Metric Spaces by Few Trees. Journal of Computer and System Sciences, 2022, , .	1.2	0
2	On notions of distortion and an almost minimum spanning tree with constant average distortion. Journal of Computer and System Sciences, 2019, 105, 116-129.	1.2	5
3	On Notions of Distortion and an Almost Minimum Spanning Tree with Constant Average Distortion. , 2016, , .		2
4	The Traveling Salesman Problem: Low-Dimensionality Implies a Polynomial Time Approximation Scheme. SIAM Journal on Computing, 2016, 45, 1563-1581.	1.0	24
5	Embedding Metrics into Ultrametrics and Graphs into Spanning Trees with Constant Average Distortion. SIAM Journal on Computing, 2015, 44, 160-192.	1.0	5
6	Local Embeddings of Metric Spaces. Algorithmica, 2015, 72, 539-606.	1.3	1
7	Volume in General Metric Spaces. Discrete and Computational Geometry, 2014, 52, 366-389.	0.6	3
8	Advances in metric embedding theory. Advances in Mathematics, 2011, 228, 3026-3126.	1.1	40
9	Volume in General Metric Spaces. Lecture Notes in Computer Science, 2010, , 87-99.	1.3	1
10	On Low Dimensional Local Embeddings. , 2009, , .		6
11	Nearly Tight Low Stretch Spanning Trees. , 2008, , .		52
12	Local embeddings of metric spaces. , 2007, , .		11
13	Ramsey-type theorems for metric spaces with applications to online problems. Journal of Computer and System Sciences, 2006, 72, 890-921.	1.2	43
14	Limitations to Fráchet's metric embedding method. Israel Journal of Mathematics, 2006, 151, 111-124.	0.8	3
15	Advances in metric embedding theory. , 2006, , .		40
16	Randomized k-server algorithms for growth-rate bounded graphs. Journal of Algorithms, 2005, 55, 192-202.	0.9	5
17	Some Low Distortion Metric Ramsey Problems. Discrete and Computational Geometry, 2005, 33, 27-41.	0.6	47
18	ON METRIC RAMSEY-TYPE DICHOTOMIES. Journal of the London Mathematical Society, 2005, 71, 289-303.	1.0	6

#	ARTICLE	IF	CITATIONS
19	On metric Ramsey-type phenomena. <i>Annals of Mathematics</i> , 2005, 162, 643-709.	4.2	72
20	On-line generalized Steiner problem. <i>Theoretical Computer Science</i> , 2004, 324, 313-324.	0.9	49
21	Low dimensional embeddings of ultrametrics. <i>European Journal of Combinatorics</i> , 2004, 25, 87-92.	0.8	9
22	Multiembedding of Metric Spaces. <i>SIAM Journal on Computing</i> , 2004, 34, 248-259.	1.0	10
23	Competitive distributed file allocation. <i>Information and Computation</i> , 2003, 185, 1-40.	0.7	17
24	More on random walks, electrical networks, and the harmonic k -server algorithm. <i>Information Processing Letters</i> , 2002, 84, 271-276.	0.6	11
25	On page migration and other relaxed task systems. <i>Theoretical Computer Science</i> , 2001, 268, 43-66.	0.9	34
26	A Randomized Algorithm for Two Servers on the Line. <i>Information and Computation</i> , 2000, 158, 53-69.	0.7	15
27	The harmonic k -server algorithm is competitive. <i>Journal of the ACM</i> , 2000, 47, 1-15.	2.2	37
28	On approximating arbitrary metrics by tree metrics. , 1998, , .		310
29	Distributed Paging for General Networks. <i>Journal of Algorithms</i> , 1998, 28, 67-104.	0.9	44
30	A polylog(n)-competitive algorithm for metrical task systems. , 1997, , .		60
31	Competitive algorithms for distributed data management (extended abstract). , 1992, , .		52