Yair Bartal

List of Publications by Year
in descending order

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	On approximating arbitrary metrices by tree metrics. , 1998, , .		310
2	On metric Ramsey-type phenomena. Annals of Mathematics, 2005, 162, 643-709.	4.2	72
3	A polylog(n)-competitive algorithm for metrical task systems. , 1997, , .		60
4	Competitive algorithms for distributed data management (extended abstract). , 1992, , .		52
5	Nearly Tight Low Stretch Spanning Trees. , 2008, , .		52
6	On-line generalized Steiner problem. Theoretical Computer Science, 2004, 324, 313-324.	0.9	49
7	Some Low Distortion Metric Ramsey Problems. Discrete and Computational Geometry, 2005, 33, 27-41.	0.6	47
8	Distributed Paging for General Networks. Journal of Algorithms, 1998, 28, 67-104.	0.9	44
9	Ramsey-type theorems for metric spaces with applications to online problems. Journal of Computer and System Sciences, 2006, 72, 890-921.	1.2	43
10	Advances in metric embedding theory. , 2006, , .		40
11	Advances in metric embedding theory. Advances in Mathematics, 2011, 228, 3026-3126.	1.1	40
12	The harmonic k -server algorithm is competitive. Journal of the ACM, 2000, 47, 1-15.	2.2	37
13	On page migration and other relaxed task systems. Theoretical Computer Science, 2001, 268, 43-66.	0.9	34
14	The Traveling Salesman Problem: Low-Dimensionality Implies a Polynomial Time Approximation Scheme. SIAM Journal on Computing, 2016, 45, 1563-1581.	1.0	24
15	Competitive distributed file allocation. Information and Computation, 2003, 185, 1-40.	0.7	17
16	A Randomized Algorithm for Two Servers on the Line. Information and Computation, 2000, 158, 53-69.	0.7	15
17	More on random walks, electrical networks, and the harmonic -server algorithm. Information Processing Letters, 2002, 84, 271-276.	0.6	11
18	Local embeddings of metric spaces. , 2007, , .		11

#	Article	IF	Citations
19	Multiembedding of Metric Spaces. SIAM Journal on Computing, 2004, 34, 248-259.	1.0	10
20	Low dimensional embeddings of ultrametrics. European Journal of Combinatorics, 2004, 25, 87-92.	0.8	9
21	ON METRIC RAMSEY-TYPE DICHOTOMIES. Journal of the London Mathematical Society, 2005, 71, 289-303.	1.0	6
22	On Low Dimensional Local Embeddings. , 2009, , .		6
23	Randomized k-server algorithms for growth-rate bounded graphs. Journal of Algorithms, 2005, 55, 192-202.	0.9	5
24	Embedding Metrics into Ultrametrics and Graphs into Spanning Trees with Constant Average Distortion. SIAM Journal on Computing, 2015, 44, 160-192.	1.0	5
25	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
26	Limitations to Fréchet's metric embedding method. Israel Journal of Mathematics, 2006, 151, 111-124.	0.8	3
27	Volume in General Metric Spaces. Discrete and Computational Geometry, 2014, 52, 366-389.	0.6	3
28	On Notions of Distortion and an Almost Minimum Spanning Tree with Constant Average Distortion. , 2016, , .		2
29	Local Embeddings of Metric Spaces. Algorithmica, 2015, 72, 539-606.	1.3	1
30	Volume in General Metric Spaces. Lecture Notes in Computer Science, 2010, , 87-99.	1.3	1
31	Covering Metric Spaces by Few Trees. Journal of Computer and System Sciences, 2022, , .	1.2	0