

Mohammadtaghi Hajiaghayi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/10893721/mohammadtaghi-hajiaghayi-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

1,225
citations

18
h-index

34
g-index

54
ext. papers

1,466
ext. citations

1
avg, IF

4.42
L-index

#	Paper	IF	Citations
51	Tight Bounds for Planar Strongly Connected Steiner Subgraph with Fixed Number of Terminals (and Extensions). <i>SIAM Journal on Computing</i> , 2020 , 49, 318-364	1.1	2
50	Near-Optimal Disjoint-Path Facility Location Through Set Cover by Pairs. <i>Operations Research</i> , 2020 , 68, 896-926	2.3	2
49	Inverse Feature Learning: Feature Learning Based on Representation Learning of Error. <i>IEEE Access</i> , 2020 , 8, 132937-132949	3.5	
48	From Duels to Battlefields: Computing Equilibria of Blotto and Other Games. <i>Mathematics of Operations Research</i> , 2019 , 44, 1304-1325	1.5	4
47	Prophet Secretary for Combinatorial Auctions and Matroids 2018 , 700-714		10
46	A Tight Algorithm for Strongly Connected Steiner Subgraph on Two Terminals with Demands. <i>Algorithmica</i> , 2017 , 77, 1216-1239	0.9	3
45	Prophet Secretary. <i>SIAM Journal on Discrete Mathematics</i> , 2017 , 31, 1685-1701	0.7	8
44	Finding Large Matchings in Semi-Streaming 2016 ,		2
43	Designing FPT Algorithms for Cut Problems Using Randomized Contractions. <i>SIAM Journal on Computing</i> , 2016 , 45, 1171-1229	1.1	27
42	HyperCubeMap 2015 ,		1
41	Tight Bounds for Planar Strongly Connected Steiner Subgraph with Fixed Number of Terminals (and Extensions) 2014 ,		7
40	Node-Weighted Steiner Tree and Group Steiner Tree in Planar Graphs. <i>ACM Transactions on Algorithms</i> , 2014 , 10, 1-20	1.2	16
39	A Tight Algorithm for Strongly Connected Steiner Subgraph on Two Terminals with Demands (Extended Abstract). <i>Lecture Notes in Computer Science</i> , 2014 , 159-171	0.9	2
38	Scheduling to minimize gaps and power consumption. <i>Journal of Scheduling</i> , 2013 , 16, 151-160	1.6	11
37	Fixed-Parameter Tractability of Directed Multiway Cut Parameterized by the Size of the Cutset. <i>SIAM Journal on Computing</i> , 2013 , 42, 1674-1696	1.1	27
36	Submodular secretary problem and extensions. <i>ACM Transactions on Algorithms</i> , 2013 , 9, 1-23	1.2	29
35	Euclidean Prize-Collecting Steiner Forest. <i>Algorithmica</i> , 2012 , 62, 906-929	0.9	5

34	Designing FPT Algorithms for Cut Problems Using Randomized Contractions 2012 ,		10
33	LP Rounding for k-Centers with Non-uniform Hard Capacities 2012 ,		20
32	The checkpoint problem. <i>Theoretical Computer Science</i> , 2012 , 452, 88-99	1.1	2
31	Disjoint-Path Facility Location: Theory and Practice 2011 , 60-74		11
30	Improved Approximation Algorithms for Label Cover Problems. <i>Algorithmica</i> , 2011 , 61, 190-206	0.9	8
29	Approximation Schemes for Steiner Forest on Planar Graphs and Graphs of Bounded Treewidth. <i>Journal of the ACM</i> , 2011 , 58, 1-37	2	35
28	Contraction decomposition in h-minor-free graphs and algorithmic applications 2011 ,		17
27	Approximation schemes for steiner forest on planar graphs and graphs of bounded treewidth 2010 ,		9
26	Decomposition, Approximation, and Coloring of Odd-Minor-Free Graphs 2010 ,		3
25	Approximation algorithms via contraction decomposition. <i>Combinatorica</i> , 2010 , 30, 533-552	0.9	10
24	The Checkpoint Problem. <i>Lecture Notes in Computer Science</i> , 2010 , 219-231	0.9	1
23	Algorithmic Graph Minor Theory: Improved Grid Minor Bounds and Wagner's Contraction. <i>Algorithmica</i> , 2009 , 54, 142-180	0.9	19
22	Improved Approximation Algorithms for Minimum Weight Vertex Separators. <i>SIAM Journal on Computing</i> , 2008 , 38, 629-657	1.1	146
21	Combination Can Be Hard: Approximability of the Unique Coverage Problem. <i>SIAM Journal on Computing</i> , 2008 , 38, 1464-1483	1.1	39
20	Linearity of grid minors in treewidth with applications through bidimensionality. <i>Combinatorica</i> , 2008 , 28, 19-36	0.9	86
19	The Bidimensionality Theory and Its Algorithmic Applications. <i>Computer Journal</i> , 2007 , 51, 292-302	1.3	123
18	Quickly deciding minor-closed parameters in general graphs. <i>European Journal of Combinatorics</i> , 2007 , 28, 311-314	0.7	9
17	Subgraph isomorphism, log-bounded fragmentation, and graphs of (locally) bounded treewidth. <i>Journal of Computer and System Sciences</i> , 2007 , 73, 755-768	1	21

16	Plane Embeddings of Planar Graph Metrics. <i>Discrete and Computational Geometry</i> , 2007 , 38, 615-637	0.6	2
15	Stochastic Steiner Tree with Non-uniform Inflation. <i>Lecture Notes in Computer Science</i> , 2007 , 134-148	0.9	10
14	The Bidimensional Theory of Bounded-Genus Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2006 , 20, 357-371	0.7	23
13	Low-Dimensional Embedding with Extra Information. <i>Discrete and Computational Geometry</i> , 2006 , 36, 609-632	0.6	5
12	Algorithmic Graph Minor Theory: Improved Grid Minor Bounds and Wagner's Contraction. <i>Lecture Notes in Computer Science</i> , 2006 , 3-15	0.9	0
11	Exponential Speedup of Fixed-Parameter Algorithms for Classes of Graphs Excluding Single-Crossing Graphs as Minors. <i>Algorithmica</i> , 2005 , 41, 245-267	0.9	30
10	Subexponential parameterized algorithms on bounded-genus graphs and H-minor-free graphs. <i>Journal of the ACM</i> , 2005 , 52, 866-893	2	201
9	Fixed-parameter algorithms for (k, r)-center in planar graphs and map graphs. <i>ACM Transactions on Algorithms</i> , 2005 , 1, 33-47	1.2	72
8	Improved approximation algorithms for minimum-weight vertex separators 2005 ,		50
7	Fast Algorithms for Hard Graph Problems: Bidimensionality, Minors, and Local Treewidth. <i>Lecture Notes in Computer Science</i> , 2005 , 517-533	0.9	12
6	Random MAX SAT, random MAX CUT, and their phase transitions. <i>Random Structures and Algorithms</i> , 2004 , 24, 502-545	0.8	48
5	Approximation algorithms for classes of graphs excluding single-crossing graphs as minors. <i>Journal of Computer and System Sciences</i> , 2004 , 69, 166-195	1	26
4	The Bidimensional Theory of Bounded-Genus Graphs. <i>Lecture Notes in Computer Science</i> , 2004 , 191-203	0.9	2
3	Subgraph Isomorphism, log-Bounded Fragmentation and Graphs of (Locally) Bounded Treewidth. <i>Lecture Notes in Computer Science</i> , 2002 , 305-318	0.9	3
2	1.5-Approximation for Treewidth of Graphs Excluding a Graph with One Crossing as a Minor. <i>Lecture Notes in Computer Science</i> , 2002 , 67-80	0.9	5
1	Fast approximation schemes for K_3 , 3-minor-free or K_5 -minor-free graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2001 , 10, 137-142	0.3	2