

# Ali Ridha Mahjoub

## List of Publications by Year in descending order

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31  
papers

722  
citations

686830

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h-index

552369

26  
g-index

32  
all docs

32  
docs citations

32  
times ranked

347  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Branch-and-Cut Algorithm for the Alternative Fuel Refueling Station Location Problem with Routing. <i>Transportation Science</i> , 2019, 53, 1107-1125.	2.6	26
2	A parallel hybrid optimization algorithm for some network design problems. <i>Soft Computing</i> , 2019, 23, 1947-1964.	2.1	2
3	The asymmetric VPN tree problem: polyhedral results and Branch-and-Cut. <i>Electronic Notes in Discrete Mathematics</i> , 2018, 64, 315-324.	0.4	1
4	A Bilevel Programming Model for Proactive Countermeasure Selection in Complex ICT Systems. <i>Electronic Notes in Discrete Mathematics</i> , 2018, 64, 295-304.	0.4	4
5	Optimization algorithms for the disjunctively constrained knapsack problem. <i>Soft Computing</i> , 2018, 22, 2025-2043.	2.1	12
6	A Hybrid Optimization Approach For the Steiner k-Connected Network Design Problem. <i>Electronic Notes in Discrete Mathematics</i> , 2018, 64, 305-314.	0.4	0
7	Two node-disjoint hop-constrained survivable network design and polyhedra. <i>Networks</i> , 2016, 67, 316-337.	1.6	7
8	Strongly polynomial bounds for multiobjective and parametric global minimum cuts in graphs and hypergraphs. <i>Mathematical Programming</i> , 2015, 154, 3-28.	1.6	14
9	Survivability in Hierarchical Telecommunications Networks Under Dual Homing. <i>INFORMS Journal on Computing</i> , 2014, 26, 1-15.	1.0	7
10	A Strongly Polynomial Time Algorithm for Multicriteria Global Minimum Cuts. <i>Lecture Notes in Computer Science</i> , 2014, , 25-36.	1.0	2
11	Capacitated Network Design using Bin-Packing. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 41, 479-486.	0.4	1
12	On the NP-completeness of the perfect matching free subgraph problem. <i>Theoretical Computer Science</i> , 2012, 423, 25-29.	0.5	10
13	Survivability in hierarchical telecommunications networks. <i>Networks</i> , 2012, 59, 37-58.	1.6	10
14	Solving VLSI design and DNA sequencing problems using bipartization of graphs. <i>Computational Optimization and Applications</i> , 2012, 51, 749-781.	0.9	22
15	Combinatorial optimization model and MIP formulation for the structural analysis of conditional differential-algebraic systems. <i>Computers and Industrial Engineering</i> , 2011, 61, 422-429.	3.4	2
16	Max Flow and Min Cut with bounded-length paths: complexity, algorithms, and approximation. <i>Mathematical Programming</i> , 2010, 124, 271-284.	1.6	12
17	The two-edge connected hop-constrained network design problem: Valid inequalities and branch-and-cut. <i>Networks</i> , 2007, 49, 116-133.	1.6	34
18	Integer programming formulations for the two 4-hop-constrained paths problem. <i>Networks</i> , 2007, 49, 135-144.	1.6	31

#	ARTICLE	IF	CITATIONS
19	Polyhedral results for the bipartite induced subgraph problem. Discrete Applied Mathematics, 2006, 154, 2128-2149.	0.5	10
20	On the edge-disjoint 2-hop-constrained paths polytope. Operations Research Letters, 2006, 34, 577-582.	0.5	24
21	Critical extreme points of the 2-edge connected spanning subgraph polytope. Mathematical Programming, 2006, 105, 289-310.	1.6	14
22	On survivable network polyhedra. Discrete Mathematics, 2005, 290, 183-210.	0.4	10
23	Design of Survivable Networks: A survey. Networks, 2005, 46, 1-21.	1.6	187
24	Two Edge-Disjoint Hop-Constrained Paths and Polyhedra. SIAM Journal on Discrete Mathematics, 2004, 18, 287-312.	0.4	39
25	9. (1, 2)-Survivable Networks: Facets and Branch-and-Cut. , 2004, , 121-152.		12
26	On perfectly two-edge connected graphs. Discrete Mathematics, 1997, 170, 153-172.	0.4	19
27	On two-connected subgraph polytopes. Discrete Mathematics, 1995, 147, 19-34.	0.4	38
28	Two-edge connected spanning subgraphs and polyhedra. Mathematical Programming, 1994, 64, 199-208.	1.6	70
29	Compositions of Graphs and Polyhedra I: Balanced Induced Subgraphs and Acyclic Subgraphs. SIAM Journal on Discrete Mathematics, 1994, 7, 344-358.	0.4	14
30	Facets of the balanced (acyclic) induced subgraph polytope. Mathematical Programming, 1989, 45, 21-33.	1.6	19
31	Facets of the Bipartite Subgraph Polytope. Mathematics of Operations Research, 1985, 10, 340-358.	0.8	69