

Andras Frank

List of Publications by Year in descending order

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76
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76
times ranked

606
citing authors

#	ARTICLE	IF	CITATIONS
1	A Discrete Convex Min-Max Formula for Box-TDI Polyhedra. Mathematics of Operations Research, 2022, 47, 1026-1047.	0.8	4
2	Decreasing minimization on M-convex sets: background and structures. Mathematical Programming, 2022, 195, 977-1025.	1.6	4
3	Fair integral submodular flows. Discrete Applied Mathematics, 2022, 320, 416-434.	0.5	0
4	A simple algorithm and min-max formula for the inverse arborescence problem. Discrete Applied Mathematics, 2021, 295, 85-93.	0.5	2
5	Supermodularity in Unweighted Graph Optimization I: Branchings and Matchings. Mathematics of Operations Research, 2018, 43, 726-753.	0.8	6
6	Supermodularity in Unweighted Graph Optimization III: Highly Connected Digraphs. Mathematics of Operations Research, 2018, 43, 763-780.	0.8	2
7	Supermodularity in Unweighted Graph Optimization II: Matroidal Term Rank Augmentation. Mathematics of Operations Research, 2018, 43, 754-762.	0.8	3
8	Sink-Stable Sets of Digraphs. SIAM Journal on Discrete Mathematics, 2014, 28, 1651-1674.	0.4	1
9	Characterizing and recognizing generalized polymatroids. Mathematical Programming, 2014, 146, 245-273.	1.6	2
10	Tree-compositions and orientations. Operations Research Letters, 2013, 41, 336-342.	0.5	0
11	Independent arborescences in directed graphs. Discrete Mathematics, 2013, 313, 453-459.	0.4	1
12	Simple push-relabel algorithms for matroids and submodular flows. Japan Journal of Industrial and Applied Mathematics, 2012, 29, 419-439.	0.5	4
13	Connections in Combinatorial Optimization. Discrete Applied Mathematics, 2012, 160, 1875.	0.5	4
14	Balanced list edge-colourings of bipartite graphs. Electronic Notes in Discrete Mathematics, 2010, 36, 837-842.	0.4	0
15	Rooted k -connections in digraphs. Discrete Applied Mathematics, 2009, 157, 1242-1254.	0.5	36
16	A Survey on Covering Supermodular Functions. , 2009, , 87-126.		9
17	A note on degree-constrained subgraphs. Discrete Mathematics, 2008, 308, 2647-2648.	0.4	5
18	An algorithm to increase the node-connectivity of a digraph by one. Discrete Optimization, 2008, 5, 677-684.	0.6	6

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19	An algorithm for node-capacitated ring routing. <i>Operations Research Letters</i> , 2007, 35, 385-391.	0.5	5
20	Edge-Connection of Graphs, Digraphs, and Hypergraphs. <i>Bolyai Society Mathematical Studies</i> , 2006, , 93-141.	0.3	10
21	An algorithm for source location in directed graphs. <i>Operations Research Letters</i> , 2005, 33, 221-230.	0.5	30
22	On Kuhn's Hungarian Method?A tribute from Hungary. <i>Naval Research Logistics</i> , 2005, 52, 2-5.	1.4	69
23	A constrained independent set problem for matroids. <i>Operations Research Letters</i> , 2004, 32, 23-26.	0.5	1
24	Combined connectivity augmentation and orientation problems. <i>Discrete Applied Mathematics</i> , 2003, 131, 401-419.	0.5	11
25	Restricted t-matchings in bipartite graphs. <i>Discrete Applied Mathematics</i> , 2003, 131, 337-346.	0.5	27
26	On the orientation of graphs and hypergraphs. <i>Discrete Applied Mathematics</i> , 2003, 131, 385-400.	0.5	44
27	On decomposing a hypergraph into k connected sub-hypergraphs. <i>Discrete Applied Mathematics</i> , 2003, 131, 373-383.	0.5	104
28	Constructive characterizations for packing and covering with trees. <i>Discrete Applied Mathematics</i> , 2003, 131, 347-371.	0.5	19
29	Node-Capacitated Ring Routing. <i>Mathematics of Operations Research</i> , 2002, 27, 372-383.	0.8	10
30	Note on the path-matching formula. <i>Journal of Graph Theory</i> , 2002, 41, 110-119.	0.5	15
31	Graph Orientations with Edge-connection and Parity Constraints. <i>Combinatorica</i> , 2002, 22, 47-70.	0.6	16
32	An orientation theorem with parity conditions. <i>Discrete Applied Mathematics</i> , 2001, 115, 37-47.	0.5	12
33	An Extension of a Theorem of Henneberg and Laman. <i>Lecture Notes in Computer Science</i> , 2001, , 145-159.	1.0	1
34	Combined Connectivity Augmentation and Orientation Problems. <i>Lecture Notes in Computer Science</i> , 2001, , 130-144.	1.0	0
35	EDGE-CONNECTIVITIES OF GRAPHS AND DIGRAPHS. <i>Electronic Notes in Discrete Mathematics</i> , 2000, 5, 126-129.	0.4	0
36	Connectivity augmentation of networks: structures and algorithms. <i>Mathematical Programming</i> , 1999, 84, 439-441.	1.6	7

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37	Covering symmetric supermodular functions by graphs. <i>Mathematical Programming</i> , 1999, 84, 483-503.	1.6	23
38	Directed vertex-connectivity augmentation. <i>Mathematical Programming</i> , 1999, 84, 537-553.	1.6	8
39	Increasing the rooted-connectivity of a digraph by one. <i>Mathematical Programming</i> , 1999, 84, 565-576.	1.6	33
40	Finding Minimum Generators of Path Systems. <i>Journal of Combinatorial Theory Series B</i> , 1999, 75, 237-244.	0.6	8
41	Parity Constrained k -Edge-Connected Orientations. <i>Lecture Notes in Computer Science</i> , 1999, , 191-201.	1.0	5
42	Minimum multiway cuts in trees. <i>Discrete Applied Mathematics</i> , 1998, 87, 67-75.	0.5	4
43	Two Arc-Disjoint Paths in Eulerian Digraphs. <i>SIAM Journal on Discrete Mathematics</i> , 1998, 11, 557-589.	0.4	1
44	On Integer Multiflow Maximization. <i>SIAM Journal on Discrete Mathematics</i> , 1997, 10, 158-170.	0.4	31
45	Minimal Edge-Coverings of Pairs of Sets. <i>Journal of Combinatorial Theory Series B</i> , 1995, 65, 73-110.	0.6	89
46	A note on packing paths in planar graphs. <i>Mathematical Programming</i> , 1995, 70, 201-209.	1.6	3
47	Preserving and Increasing Local Edge-Connectivity in Mixed Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 1995, 8, 155-178.	0.4	50
48	Submodular functions in graph theory. <i>Discrete Mathematics</i> , 1993, 111, 231-243.	0.4	23
49	On sparse subgraphs preserving connectivity properties. <i>Journal of Graph Theory</i> , 1993, 17, 275-281.	0.5	37
50	Conservative weightings and ear-decompositions of graphs. <i>Combinatorica</i> , 1993, 13, 65-81.	0.6	47
51	Applications of submodular functions. , 1993, , 85-136.		18
52	Augmenting Graphs to Meet Edge-Connectivity Requirements. <i>SIAM Journal on Discrete Mathematics</i> , 1992, 5, 25-53.	0.4	203
53	Algorithms for routing around a rectangle. <i>Discrete Applied Mathematics</i> , 1992, 40, 363-378.	0.5	57
54	On a theorem of Mader. <i>Discrete Mathematics</i> , 1992, 101, 49-57.	0.4	47

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55	Packing paths in planar graphs. <i>Combinatorica</i> , 1990, 10, 325-331.	0.6	2
56	On circuit decomposition of planar Eulerian graphs. <i>Journal of Combinatorial Theory Series B</i> , 1990, 50, 245-253.	0.6	13
57	An application of submodular flows. <i>Linear Algebra and Its Applications</i> , 1989, 114-115, 329-348.	0.4	104
58	Generalized polymatroids and submodular flows. <i>Mathematical Programming</i> , 1988, 42, 489-563.	1.6	123
59	An application of simultaneous diophantine approximation in combinatorial optimization. <i>Combinatorica</i> , 1987, 7, 49-65.	0.6	239
60	A Primal-Dual Algorithm for Submodular Flows. <i>Mathematics of Operations Research</i> , 1985, 10, 251-262.	0.8	54
61	Edge-disjoint paths in planar graphs. <i>Journal of Combinatorial Theory Series B</i> , 1985, 39, 164-178.	0.6	76
62	Covering directed and odd cuts. <i>Mathematical Programming Studies</i> , 1984, , 99-112.	0.8	30
63	Finding feasible vectors of Edmonds-Giles polyhedra. <i>Journal of Combinatorial Theory Series B</i> , 1984, 36, 221-239.	0.6	44
64	Submodular Flows. , 1984, , 147-165.		5
65	An Algorithm for Submodular Functions on Graphs. <i>North-Holland Mathematics Studies</i> , 1982, , 97-120.	0.2	48
66	Disjoint paths in a rectilinear grid. <i>Combinatorica</i> , 1982, 2, 361-371.	0.6	73
67	A note on k -strongly connected orientations of an undirected graph. <i>Discrete Mathematics</i> , 1982, 39, 103-104.	0.4	10
68	How to make a digraph strongly connected. <i>Combinatorica</i> , 1981, 1, 145-153.	0.6	59
69	A weighted matroid intersection algorithm. <i>Journal of Algorithms</i> , 1981, 2, 328-336.	0.9	145
70	On the orientation of graphs. <i>Journal of Combinatorial Theory Series B</i> , 1980, 28, 251-261.	0.6	69
71	On chain and antichain families of a partially ordered set. <i>Journal of Combinatorial Theory Series B</i> , 1980, 29, 176-184.	0.6	85
72	On a class of balanced hypergraphs. <i>Discrete Mathematics</i> , 1977, 20, 11-20.	0.4	8

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73	Decreasing minimization on M-convex sets: algorithms and applications. Mathematical Programming, 0, , 1.	1.6	2
74	Decreasing minimization on base-polyhedra: relation between discrete and continuous cases. Japan Journal of Industrial and Applied Mathematics, 0, , .	0.5	1