

Oktaç GÃ¼nlÃ¼k

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,343
citations

471509

17
h-index

361022

35
g-index

53
all docs

53
docs citations

53
times ranked

706
citing authors

#	ARTICLE	IF	CITATIONS
1	Capacitated Network Design—Polyhedral Structure and Computation. <i>INFORMS Journal on Computing</i> , 1996, 8, 243-259.	1.7	160
2	Mixing mixed-integer inequalities. <i>Mathematical Programming</i> , 2001, 90, 429-457.	2.4	130
3	Minimum cost capacity installation for multicommodity network flows. <i>Mathematical Programming</i> , 1998, 81, 177-199.	2.4	126
4	Perspective reformulations of mixed integer nonlinear programs with indicator variables. <i>Mathematical Programming</i> , 2010, 124, 183-205.	2.4	103
5	A branch-and-cut algorithm for capacitated network design problems. <i>Mathematical Programming</i> , 1999, 86, 17-39.	2.4	94
6	The multicast packing problem. <i>IEEE/ACM Transactions on Networking</i> , 2000, 8, 311-318.	3.8	65
7	A Time Bucket Formulation for the Traveling Salesman Problem with Time Windows. <i>INFORMS Journal on Computing</i> , 2012, 24, 132-147.	1.7	61
8	MIR closures of polyhedral sets. <i>Mathematical Programming</i> , 2010, 121, 33-60.	2.4	52
9	Valid inequalities based on simple mixed-integer sets. <i>Mathematical Programming</i> , 2006, 105, 29-53.	2.4	47
10	A Branch-and-Price Algorithm and New Test Problems for Spectrum Auctions. <i>Management Science</i> , 2005, 51, 391-406.	4.1	44
11	Discretization vertex orders in distance geometry. <i>Discrete Applied Mathematics</i> , 2015, 197, 27-41.	0.9	44
12	Strengthened Benders Cuts for Stochastic Integer Programs with Continuous Recourse. <i>INFORMS Journal on Computing</i> , 2017, 29, 77-91.	1.7	42
13	A model for fusion and code motion in an automatic parallelizing compiler. , 2010, , .		41
14	Two dimensional lattice-free cuts and asymmetric disjunctions for mixed-integer polyhedra. <i>Mathematical Programming</i> , 2012, 135, 221-254.	2.4	23
15	Globally solving nonconvex quadratic programming problems with box constraints via integer programming methods. <i>Mathematical Programming Computation</i> , 2018, 10, 333-382.	4.8	23
16	A degree sequence problem related to network design. <i>Networks</i> , 1994, 24, 195-205.	2.7	22
17	A New Min-Cut Max-Flow Ratio for Multicommodity Flows. <i>SIAM Journal on Discrete Mathematics</i> , 2007, 21, 1-15.	0.8	21
18	Mingling: mixed-integer rounding with bounds. <i>Mathematical Programming</i> , 2010, 123, 315-338.	2.4	21

#	ARTICLE	IF	CITATIONS
19	Valid inequalities based on the interpolation procedure. <i>Mathematical Programming</i> , 2006, 106, 111-136.	2.4	17
20	On the strength of Gomory mixed-integer cuts as group cuts. <i>Mathematical Programming</i> , 2008, 115, 387-407.	2.4	16
21	Network design arc set with variable upper bounds. <i>Networks</i> , 2007, 50, 17-28.	2.7	15
22	Perspective Relaxation of Mixed Integer Nonlinear Programs with Indicator Variables. , 2008, , 1-16.		15
23	Optimal Qubit Assignment and Routing via Integer Programming. <i>ACM Transactions on Quantum Computing</i> , 2023, 4, 1-31.	4.3	14
24	Vehicle Routing and Staffing for Sedan Service. <i>Transportation Science</i> , 2006, 40, 313-326.	4.4	12
25	Strengthening lattice-free cuts using non-negativity. <i>Discrete Optimization</i> , 2011, 8, 229-245.	0.9	11
26	On t-branch split cuts for mixed-integer programs. <i>Mathematical Programming</i> , 2013, 141, 591-599.	2.4	11
27	Lattice-free sets, multi-branch split disjunctions, and mixed-integer programming. <i>Mathematical Programming</i> , 2014, 145, 483-508.	2.4	11
28	Cutting planes from extended LP formulations. <i>Mathematical Programming</i> , 2017, 161, 159-192.	2.4	11
29	On mixed-integer sets with two integer variables. <i>Operations Research Letters</i> , 2011, 39, 305-309.	0.7	9
30	A note on the MIR closure and basic relaxations of polyhedra. <i>Operations Research Letters</i> , 2011, 39, 198-199.	0.7	9
31	Two-Step MIR Inequalities for Mixed Integer Programs. <i>INFORMS Journal on Computing</i> , 2010, 22, 236-249.	1.7	7
32	Computational Experiments with Cross and Crooked Cross Cuts. <i>INFORMS Journal on Computing</i> , 2014, 26, 780-797.	1.7	7
33	On the relative strength of different generalizations of splitÄcuts. <i>Discrete Optimization</i> , 2015, 16, 36-50.	0.9	7
34	On Mixing Inequalities: Rank, Closure, and Cutting-Plane Proofs. <i>SIAM Journal on Optimization</i> , 2009, 20, 1090-1109.	2.0	6
35	On the polyhedrality of cross and quadrilateral closures. <i>Mathematical Programming</i> , 2016, 160, 245-270.	2.4	6
36	On the Polyhedrality of Closures of Multibranch Split Sets and Other Polyhedra with Bounded Max-Facet-Width. <i>SIAM Journal on Optimization</i> , 2017, 27, 1340-1361.	2.0	6

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37	A pricing problem under Monge property. <i>Discrete Optimization</i> , 2008, 5, 328-336.	0.9	4
38	The master equality polyhedron with multiple rows. <i>Mathematical Programming</i> , 2012, 132, 125-151.	2.4	4
39	Binary extended formulations of polyhedral mixed-integer sets. <i>Mathematical Programming</i> , 2018, 170, 207-236.	2.4	4
40	Lattice closures of polyhedra. <i>Mathematical Programming</i> , 2020, 181, 119-147.	2.4	4
41	On a generalization of the master cyclic group polyhedron. <i>Mathematical Programming</i> , 2010, 125, 1-30.	2.4	3
42	The continuous knapsack set. <i>Mathematical Programming</i> , 2016, 155, 471-496.	2.4	3
43	Robust-to-dynamics linear programming. , 2015, , .		2
44	Generalized ChvÄtal-Gomory closures for integer programs with bounds on variables. <i>Mathematical Programming</i> , 2021, 190, 393-425.	2.4	2
45	<title>Design methodology for an optical mesh network</title>. , 2002, , .		1
46	A new lift-and-project operator. <i>European Journal of Operational Research</i> , 2017, 257, 420-428.	5.7	1
47	A note on capacity models for network design. <i>Operations Research Letters</i> , 2018, 46, 414-417.	0.7	1
48	On a generalization of the ChvÄtalâGomory closure. <i>Mathematical Programming</i> , 0, , 1.	2.4	1
49	Cardinality Constrained Multilinear Sets. <i>Lecture Notes in Computer Science</i> , 2020, , 54-65.	1.3	1
50	Robust confidentiality preserving data delivery in federated coalition networks. , 2014, , .		0
51	On Some Generalizations of the Split Closure. <i>Lecture Notes in Computer Science</i> , 2013, , 145-156.	1.3	0