Oktay GÃ¼nlÃ¼k

List of Publications by Year
in descending order

51	1,343	471509	361022
papers	citations	17	35
		h-index	g-index

53	53	53	706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal Qubit Assignment and Routing via Integer Programming. ACM Transactions on Quantum Computing, 2023, 4, 1-31.	4.3	14
2	Generalized Chvátal-Gomory closures for integer programs with bounds on variables. Mathematical Programming, 2021, 190, 393-425.	2.4	2
3	Lattice closures of polyhedra. Mathematical Programming, 2020, 181, 119-147.	2.4	4
4	Cardinality Constrained Multilinear Sets. Lecture Notes in Computer Science, 2020, , 54-65.	1.3	1
5	Globally solving nonconvex quadratic programming problems with box constraints via integer programming methods. Mathematical Programming Computation, 2018, 10, 333-382.	4.8	23
6	Binary extended formulations of polyhedral mixed-integer sets. Mathematical Programming, 2018, 170, 207-236.	2.4	4
7	A note on capacity models for network design. Operations Research Letters, 2018, 46, 414-417.	0.7	1
8	Cutting planes from extended LP formulations. Mathematical Programming, 2017, 161, 159-192.	2.4	11
9	Strengthened Benders Cuts for Stochastic Integer Programs with Continuous Recourse. INFORMS Journal on Computing, 2017, 29, 77-91.	1.7	42
10	On the Polyhedrality of Closures of Multibranch Split Sets and Other Polyhedra with Bounded Max-Facet-Width. SIAM Journal on Optimization, 2017, 27, 1340-1361.	2.0	6
11	A new lift-and-project operator. European Journal of Operational Research, 2017, 257, 420-428.	5.7	1
12	On the polyhedrality of cross and quadrilateral closures. Mathematical Programming, 2016, 160, 245-270.	2.4	6
13	The continuous knapsack set. Mathematical Programming, 2016, 155, 471-496.	2.4	3
14	Robust-to-dynamics linear programming. , 2015, , .		2
15	On the relative strength of different generalizations of splitÂcuts. Discrete Optimization, 2015, 16, 36-50.	0.9	7
16	Discretization vertex orders in distance geometry. Discrete Applied Mathematics, 2015, 197, 27-41.	0.9	44
17	Robust confidentiality preserving data delivery in federated coalition networks. , 2014, , .		0
18	Computational Experiments with Cross and Crooked Cross Cuts. INFORMS Journal on Computing, 2014, 26, 780-797.	1.7	7

#	Article	IF	Citations
19	Lattice-free sets, multi-branch split disjunctions, and mixed-integer programming. Mathematical Programming, 2014, 145, 483-508.	2.4	11
20	On t-branch split cuts for mixed-integer programs. Mathematical Programming, 2013, 141, 591-599.	2.4	11
21	On Some Generalizations of the Split Closure. Lecture Notes in Computer Science, 2013, , 145-156.	1.3	0
22	A Time Bucket Formulation for the Traveling Salesman Problem with Time Windows. INFORMS Journal on Computing, 2012, 24, 132-147.	1.7	61
23	Two dimensional lattice-free cuts and asymmetric disjunctions for mixed-integer polyhedra. Mathematical Programming, 2012, 135, 221-254.	2.4	23
24	The master equality polyhedron with multiple rows. Mathematical Programming, 2012, 132, 125-151.	2.4	4
25	On mixed-integer sets with two integer variables. Operations Research Letters, 2011, 39, 305-309.	0.7	9
26	Strengthening lattice-free cuts using non-negativity. Discrete Optimization, 2011, 8, 229-245.	0.9	11
27	A note on the MIR closure and basic relaxations of polyhedra. Operations Research Letters, 2011, 39, 198-199.	0.7	9
28	MIR closures of polyhedral sets. Mathematical Programming, 2010, 121, 33-60.	2.4	52
29	On a generalization of the master cyclic group polyhedron. Mathematical Programming, 2010, 125, 1-30.	2.4	3
30	Mingling: mixed-integer rounding with bounds. Mathematical Programming, 2010, 123, 315-338.	2.4	21
31	Perspective reformulations of mixed integer nonlinear programs with indicator variables. Mathematical Programming, 2010, 124, 183-205.	2.4	103
32	Two-Step MIR Inequalities for Mixed Integer Programs. INFORMS Journal on Computing, 2010, 22, 236-249.	1.7	7
33	A model for fusion and code motion in an automatic parallelizing compiler. , 2010, , .		41
34	On Mixing Inequalities: Rank, Closure, and Cutting-Plane Proofs. SIAM Journal on Optimization, 2009, 20, 1090-1109.	2.0	6
35	On the strength of Gomory mixed-integer cuts as group cuts. Mathematical Programming, 2008, 115, 387-407.	2.4	16
36	A pricing problem under Monge property. Discrete Optimization, 2008, 5, 328-336.	0.9	4

#	Article	IF	Citations
37	Perspective Relaxation of Mixed Integer Nonlinear Programs with Indicator Variables. , 2008, , 1-16.		15
38	A New Minâ€Cut Maxâ€Flow Ratio for Multicommodity Flows. SIAM Journal on Discrete Mathematics, 2007, 21, 1-15.	0.8	21
39	Network design arc set with variable upper bounds. Networks, 2007, 50, 17-28.	2.7	15
40	Vehicle Routing and Staffing for Sedan Service. Transportation Science, 2006, 40, 313-326.	4.4	12
41	Valid inequalities based on simple mixed-integer sets. Mathematical Programming, 2006, 105, 29-53.	2.4	47
42	Valid inequalities based on the interpolation procedure. Mathematical Programming, 2006, 106, 111-136.	2.4	17
43	A Branch-and-Price Algorithm and New Test Problems for Spectrum Auctions. Management Science, 2005, 51, 391-406.	4.1	44
44	<title>Design methodology for an optical mesh network</title>. , 2002, , .		1
45	Mixing mixed-integer inequalities. Mathematical Programming, 2001, 90, 429-457.	2.4	130
46	The multicast packing problem. IEEE/ACM Transactions on Networking, 2000, 8, 311-318.	3.8	65
47	A branch-and-cut algorithm for capacitated network design problems. Mathematical Programming, 1999, 86, 17-39.	2.4	94
48	Minimum cost capacity installation for multicommodity network flows. Mathematical Programming, 1998, 81, 177-199.	2.4	126
49	Capacitated Network Designâ€"Polyhedral Structure and Computation. INFORMS Journal on Computing, 1996, 8, 243-259.	1.7	160
50	A degree sequence problem related to network design. Networks, 1994, 24, 195-205.	2.7	22
51	On a generalization of the ChvÃ¡talâ€"Gomory closure. Mathematical Programming, 0, , 1.	2.4	1