

Burak Kocuk

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

520
citations

1307594

7
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

510
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization problems involving matrix multiplication with applications in materials science and biology. <i>Engineering Optimization</i> , 2022, 54, 786-804.	2.6	1
2	Node-based valid inequalities for the optimal transmission switching problem. <i>Discrete Optimization</i> , 2022, 43, 100683.	0.9	1
3	An MISOCP-Based Solution Approach to the Reactive Optimal Power Flow Problem. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 529-532.	6.5	16
4	Conic reformulations for Kullback-Leibler divergence constrained distributionally robust optimization and applications. <i>International Journal of Optimization and Control: Theories and Applications</i> , 2021, 11, 139-151.	1.7	2
5	Rational polyhedral outer-approximations of the second-order cone. <i>Discrete Optimization</i> , 2021, 40, 100643.	0.9	0
6	Incorporating Black-Litterman views in portfolio construction when stock returns are a mixture of normals. <i>Omega</i> , 2020, 91, 102008.	5.9	12
7	Convexifications of rank-one-based substructures in QCQPs and applications to the pooling problem. <i>Journal of Global Optimization</i> , 2020, 77, 227-272.	1.8	7
8	Computational Aspects of Bayesian Solution Estimators in Stochastic Optimization. <i>INFORMS Journal on Optimization</i> , 2020, 2, 256-272.	1.4	0
9	On Subadditive Duality for Conic Mixed-integer Programs. <i>SIAM Journal on Optimization</i> , 2019, 29, 2320-2336.	2.0	2
10	A Computational Comparison of Optimization Methods for the Golomb Ruler Problem. <i>Lecture Notes in Computer Science</i> , 2019, , 409-425.	1.3	1
11	Matrix minor reformulation and SOCP-based spatial branch-and-cut method for the AC optimal power flow problem. <i>Mathematical Programming Computation</i> , 2018, 10, 557-596.	4.8	34
12	New Formulation and Strong MISOCP Relaxations for AC Optimal Transmission Switching Problem. <i>IEEE Transactions on Power Systems</i> , 2017, 32, 4161-4170.	6.5	91
13	Strong SOCP Relaxations for the Optimal Power Flow Problem. <i>Operations Research</i> , 2016, 64, 1177-1196.	1.9	209
14	A Cycle-Based Formulation and Valid Inequalities for DC Power Transmission Problems with Switching. <i>Operations Research</i> , 2016, 64, 922-938.	1.9	32
15	Inexactness of SDP Relaxation and Valid Inequalities for Optimal Power Flow. <i>IEEE Transactions on Power Systems</i> , 2016, 31, 642-651.	6.5	100
16	Approximating the objective function's gradient using perceptrons for constrained minimization with application in drag reduction. <i>Computers and Operations Research</i> , 2015, 64, 139-158.	4.0	4
17	Maintenance of infinite-server service systems subjected to random shocks. <i>Computers and Industrial Engineering</i> , 2013, 66, 86-94.	6.3	8