

Bo Zeng

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

2,911
citations

304701

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44
all docs

44
docs citations

44
times ranked

2238
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving two-stage robust optimization problems using a column-and-constraint generation method. <i>Operations Research Letters</i> , 2013, 41, 457-461.	0.7	1,094
2	Robust Optimization-Based Resilient Distribution Network Planning Against Natural Disasters. <i>IEEE Transactions on Smart Grid</i> , 2016, 7, 2817-2826.	9.0	419
3	Optimal power grid protection through a defender-attacker-defender model. <i>Reliability Engineering and System Safety</i> , 2014, 121, 83-89.	8.9	165
4	Exploring the Modeling Capacity of Two-Stage Robust Optimization: Variants of Robust Unit Commitment Model. <i>IEEE Transactions on Power Systems</i> , 2015, 30, 109-122.	6.5	162
5	Decentralized Multiarea Robust Generation Unit and Tie-Line Scheduling Under Wind Power Uncertainty. <i>IEEE Transactions on Sustainable Energy</i> , 2015, 6, 1377-1388.	8.8	123
6	Distribution System Reconfiguration Under Uncertain Load and Renewable Generation. <i>IEEE Transactions on Power Systems</i> , 2016, 31, 2666-2675.	6.5	89
7	Vulnerability Analysis of Power Grids With Line Switching. <i>IEEE Transactions on Power Systems</i> , 2013, 28, 2727-2736.	6.5	83
8	Chemotherapy operations planning and scheduling. <i>IEEE Transactions on Healthcare Systems Engineering</i> , 2012, 2, 31-49.	0.8	80
9	A Chance Constrained Information-Gap Decision Model for Multi-Period Microgrid Planning. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 2684-2695.	6.5	61
10	A Risk-Averse Conic Model for Networked Microgrids Planning With Reconfiguration and Reorganizations. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 696-709.	9.0	51
11	Networked Microgrids Planning Through Chance Constrained Stochastic Conic Programming. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 6619-6628.	9.0	47
12	Stochastic optimization for power system configuration with renewable energy in remote areas. <i>Annals of Operations Research</i> , 2013, 210, 411-432.	4.1	45
13	Optimal Allocation of Series FACTS Devices Under High Penetration of Wind Power Within a Market Environment. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 6206-6217.	6.5	45
14	Adaptive bi-level programming for optimal gene knockouts for targeted overproduction under phenotypic constraints. <i>BMC Bioinformatics</i> , 2013, 14, S17.	2.6	44
15	Stochastic and Chance-Constrained Conic Distribution System Expansion Planning Using Bilinear Benders Decomposition. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 2696-2705.	6.5	44
16	Addressing the Conditional and Correlated Wind Power Forecast Errors in Unit Commitment by Distributionally Robust Optimization. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 944-954.	8.8	34
17	A Study on the Strong Duality of Second-Order Conic Relaxation of AC Optimal Power Flow in Radial Networks. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 443-455.	6.5	34
18	A note on linearized reformulations for a class of bilevel linear integer problems. <i>Annals of Operations Research</i> , 2019, 272, 99-117.	4.1	33

#	ARTICLE	IF	CITATIONS
19	Integrating Energy Management of Autonomous Smart Grids in Electricity Market Operation. IEEE Transactions on Smart Grid, 2020, 11, 4044-4055.	9.0	27
20	Least Squares Estimation Based SDP Cuts for SOCP Relaxation of AC OPF. IEEE Transactions on Automatic Control, 2018, 63, 241-248.	5.7	24
21	Bilevel Mixed Integer Transmission Expansion Planning. IEEE Transactions on Power Systems, 2018, 33, 7309-7312.	6.5	24
22	Bilevel Conic Transmission Expansion Planning. IEEE Transactions on Power Systems, 2018, 33, 4640-4642.	6.5	22
23	A Study on the Block Relocation Problem: Lower Bound Derivations and Strong Formulations. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1829-1853.	5.2	17
24	Job Scheduling With Uncertain Local Generation in Smart Buildings: Two-Stage Robust Approach. IEEE Transactions on Smart Grid, 2014, 5, 2273-2282.	9.0	15
25	Distributed Generation Planning Guidance Through Feasibility and Profit Analysis. IEEE Transactions on Smart Grid, 2018, 9, 5473-5475.	9.0	15
26	Ambulance Deployment With Relocation Through Robust Optimization. IEEE Transactions on Automation Science and Engineering, 2019, 16, 138-147.	5.2	13
27	A polyhedral study on 0-1 knapsack problems with disjoint cardinality constraints: Strong valid inequalities by sequence-independent lifting. Discrete Optimization, 2011, 8, 259-276.	0.9	12
28	The impact of overbooking on primary care patient no-show. IIE Transactions on Healthcare Systems Engineering, 2013, 3, 147-170.	0.8	12
29	Sampling design for water distribution network chlorine decay calibration. Urban Water Journal, 2015, 12, 190-199.	2.1	10
30	A Stochastic Unit Commitment Model With Cooling Systems. IEEE Transactions on Power Systems, 2013, 28, 211-218.	6.5	9
31	Cost-effective power grid protection through defender-attacker-defender model with corrective network topology control. Energy Systems, 2020, 11, 811-837.	3.0	9
32	Capacity Expansion of Wind Power in a Market Environment With Topology Control. IEEE Transactions on Sustainable Energy, 2019, 10, 1834-1843.	8.8	8
33	A sparse convex AC OPF solver and convex iteration implementation based on 3-node cycles. Electric Power Systems Research, 2020, 180, 106169.	3.6	7
34	A Framework to Derive Multidimensional Superadditive Lifting Functions and Its Applications. , 2007, , 210-224.		7
35	A reliable alternative of OptKnock for desirable mutant microbial strains. , 2016, , .		5
36	A New Heuristic Reinforcement Learning for Container Relocation Problem. Journal of Physics: Conference Series, 2021, 1873, 012050.	0.4	4

#	ARTICLE	IF	CITATIONS
37	Sequence independent lifting for a set of submodular maximization problems. <i>Mathematical Programming</i> , 2022, 196, 69-114.	2.4	4
38	Stochastic network investment in integrated gas-electric systems. <i>Electric Power Systems Research</i> , 2021, 197, 107219.	3.6	3
39	On bilevel minimum and bottleneck spanning tree problems. <i>Networks</i> , 2019, 74, 251-273.	2.7	2
40	A Practical Scheme to Compute the Pessimistic Bilevel Optimization Problem. <i>INFORMS Journal on Computing</i> , 0, , .	1.7	2
41	Network-based methods to identify highly discriminating subsets of biomarkers. , 2012, , .		1
42	Simulation Error Characteristics of Grey Model GM(1,1) under Translation Transformation. , 2013, , .		1
43	Exploring the modeling capacity of two-stage robust optimization: Variants of robust unit commitment model. , 2015, , .		1