

Yongpei Guan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53

papers

3,616

citations

23

h-index

57

g-index

57

ext. papers

4,283

ext. citations

4.4

avg, IF

5.97

L-index

#	Paper	IF	Citations
53	Convex Primal Formulations for Convex Hull Pricing With Reserve Commitments. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 2345-2354	7	0
52	Multistage Stochastic Power Generation Scheduling Co-Optimizing Energy and Ancillary Services. <i>INFORMS Journal on Computing</i> , 2021 , 33, 352-369	2.4	4
51	Cutting planes for security-constrained unit commitment with regulation reserve. <i>IIEE Transactions</i> , 2021 , 53, 437-452	3.3	0
50	Network-flow-based Formulations for Convex Hull Pricing with Maximum Start-Ups. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	
49	An Extended Integral Unit Commitment Formulation and an Iterative Algorithm for Convex Hull Pricing. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 4335-4346	7	8
48	Derivatives and subderivatives of buffered probability of exceedance. <i>Operations Research Letters</i> , 2019 , 47, 130-132	1	5
47	Bi-Objective Vehicle Routing for Hazardous Materials Transportation With Actual Load Dependent Risks and Considering the Risk of Each Vehicle. <i>IEEE Transactions on Engineering Management</i> , 2019 , 66, 429-442	2.6	9
46	A strengthened mixed-integer linear programming formulation for combined-cycle units. <i>European Journal of Operational Research</i> , 2019 , 275, 865-881	5.6	5
45	Unified Formulations for Combined-Cycle Units. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 7288-7297		3
44	Risk-Averse Two-Stage Stochastic Program with Distributional Ambiguity. <i>Operations Research</i> , 2018 , 66, 1390-1405	2.3	37
43	Polynomial time algorithms and extended formulations for unit commitment problems. <i>IIEE Transactions</i> , 2018 , 50, 735-751	3.3	12
42	Data-Driven Risk-Averse Stochastic Self-Scheduling for Combined-Cycle Units. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 3058-3069	11.9	14
41	Cutting planes for the multistage stochastic unit commitment problem. <i>Mathematical Programming</i> , 2016 , 157, 121-151	2.1	21
40	Strengthened MILP Formulation for Certain Gas Turbine Unit Commitment Problems. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 1440-1448	7	18
39	An Edge-Based Formulation for Combined-Cycle Units. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 1809-1819	7	11
38	Data-driven chance constrained stochastic program. <i>Mathematical Programming</i> , 2016 , 158, 291-327	2.1	191
37	Data-Driven Stochastic Unit Commitment for Integrating Wind Generation. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 2587-2596	7	109

36	On the polyhedral structure of two-level lot-sizing problems with supplier selection. <i>Naval Research Logistics</i> , 2016 , 63, 647-666	1.5	2
35	Risk-averse stochastic unit commitment with incomplete information. <i>IIE Transactions</i> , 2016 , 48, 838-854		11
34	Strong Formulations for Multistage Stochastic Self-Scheduling Unit Commitment. <i>Operations Research</i> , 2016 , 64, 1482-1498	2.3	4
33	Uncertainty Sets for Robust Unit Commitment. <i>IEEE Transactions on Power Systems</i> , 2014 , 29, 1439-1440	7	109
32	Min-Max Regret Bidding Strategy for Thermal Generator Considering Price Uncertainty. <i>IEEE Transactions on Power Systems</i> , 2014 , 29, 2169-2179	7	40
31	Expected Value and Chance Constrained Stochastic Unit Commitment Ensuring Wind Power Utilization. <i>IEEE Transactions on Power Systems</i> , 2014 , 29, 2696-2705	7	54
30	Two-stage network constrained robust unit commitment problem. <i>European Journal of Operational Research</i> , 2014 , 234, 751-762	5.6	81
29	Applying robust optimization to MISO Look-Ahead commitment 2014 ,		15
28	The crane scheduling problem: models and solution approaches. <i>Annals of Operations Research</i> , 2013 , 203, 119-139	3.2	39
27	A decomposition approach to the two-stage stochastic unit commitment problem. <i>Annals of Operations Research</i> , 2013 , 210, 387-410	3.2	72
26	Price-Based Unit Commitment With Wind Power Utilization Constraints. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 2718-2726	7	69
25	Optimal deployment of public charging stations for plug-in hybrid electric vehicles. <i>Transportation Research Part B: Methodological</i> , 2013 , 47, 87-101	7.2	341
24	Multi-Stage Robust Unit Commitment Considering Wind and Demand Response Uncertainties. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 2708-2717	7	330
23	Two-stage robust optimization for N-k contingency-constrained unit commitment. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 2366-2375	7	127
22	Unified Stochastic and Robust Unit Commitment. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 3353-3361		222
21	Two-Stage Minimax Regret Robust Unit Commitment. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 2271-2282	7	160
20	Two-stage stochastic lot-sizing problem under cost uncertainty. <i>Annals of Operations Research</i> , 2013 , 209, 207-230	3.2	7
19	Stochastic Unit Commitment With Uncertain Demand Response. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 562-563	7	110

18	A Chance-Constrained Two-Stage Stochastic Program for Unit Commitment With Uncertain Wind Power Output. <i>IEEE Transactions on Power Systems</i> , 2012 , 27, 206-215	7	383
17	Robust Unit Commitment With Wind Power and Pumped Storage Hydro. <i>IEEE Transactions on Power Systems</i> , 2012 , 27, 800-810	7	623
16	Wind power bidding based on chance-constrained optimization 2011 ,		5
15	Stochastic lot-sizing with backlogging: computational complexity analysis. <i>Journal of Global Optimization</i> , 2011 , 49, 651-678	1.5	10
14	Lead-time hedging and coordination between manufacturing and sales departments using Nash and Stackelberg games. <i>European Journal of Operational Research</i> , 2011 , 210, 231-240	5.6	23
13	An $O(N^2)$ -time algorithm for the stochastic uncapacitated lot-sizing problem with random lead times. <i>Operations Research Letters</i> , 2011 , 39, 74-77	1	10
12	Analysis of berth allocation and inspection operations in a container terminal. <i>Maritime Economics and Logistics</i> , 2010 , 12, 347-369	2.6	11
11	Stochastic lot-sizing problem with deterministic demands and Wagner-Whitin costs. <i>Operations Research Letters</i> , 2010 , 38, 414-419	1	3
10	Stochastic lot-sizing problem with inventory-bounds and constant order-capacities. <i>European Journal of Operational Research</i> , 2010 , 207, 1398-1409	5.6	15
9	Embedded simulation on a multiprocessor job scheduling system with inspection. <i>Computers and Industrial Engineering</i> , 2009 , 57, 592-607	6.4	3
8	Cutting Planes for Multistage Stochastic Integer Programs. <i>Operations Research</i> , 2009 , 57, 287-298	2.3	34
7	Polynomial-Time Algorithms for Stochastic Uncapacitated Lot-Sizing Problems. <i>Operations Research</i> , 2008 , 56, 1172-1183	2.3	32
6	A pricing approach for bandwidth allocation in differentiated service networks. <i>Computers and Operations Research</i> , 2008 , 35, 3769-3786	4.6	8
5	Sequential pairing of mixed integer inequalities. <i>Discrete Optimization</i> , 2007 , 4, 21-39	1	13
4	On formulations of the stochastic uncapacitated lot-sizing problem. <i>Operations Research Letters</i> , 2006 , 34, 241-250	1	23
3	A branch-and-cut algorithm for the stochastic uncapacitated lot-sizing problem. <i>Mathematical Programming</i> , 2006 , 105, 55-84	2.1	48
2	The inverse optimal value problem. <i>Mathematical Programming</i> , 2005 , 102, 91-110	2.1	25
1	A multiprocessor task scheduling model for berth allocation: heuristic and worst-case analysis. <i>Operations Research Letters</i> , 2002 , 30, 343-350	1	107

