Bo Zeng

List of Publications by Year
in descending order

72 papers	3,181 citations	293460 24 h-index	175968 55 g-index
72 all docs	72 docs citations	72 times ranked	2838 citing authors

#	ARTICLE	IF	CITATIONS
1	A Study on the Strong Duality of Second-Order Conic Relaxation of AC Optimal Power Flow in Radial Networks. IEEE Transactions on Power Systems, 2022, 37, 443-455.	4.6	34
2	Quantifying the contribution of EV battery swapping stations to the economic and reliability performance of future distribution system. International Journal of Electrical Power and Energy Systems, 2022, 136, 107675.	3.3	18
3	Hydrogen-Based Networked Microgrids Planning Through Two-Stage Stochastic Programming With Mixed-Integer Conic Recourse. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3672-3685.	3.4	31
4	Co-Optimization of Battery Storage Investment and Grid Expansion in Integrated Energy Systems. IEEE Systems Journal, 2022, 16, 5928-5938.	2.9	13
5	Sequence independent lifting for a set of submodular maximization problems. Mathematical Programming, 2022, 196, 69-114.	1.6	4
6	Quantifying the Techno-Economic Benefits From Flexibility of EV Battery Swapping Stations in Distribution Networks. , 2022, , .		0
7	Risk-Based Contingency Screening Method Considering Cyber-Attacks on Substations. IEEE Transactions on Smart Grid, 2022, 13, 4973-4976.	6.2	6
8	Potential of harnessing operational flexibility from public transport hubs to improve reliability and economic performance of urban multi-energy systems: A holistic assessment framework. Applied Energy, 2022, 322, 119488.	5.1	7
9	Multicomponent Maintenance Optimization: A Stochastic Programming Approach. INFORMS Journal on Computing, 2021, 33, 898-914.	1.0	10
10	Co-Optimized Parking Lot Placement and Incentive Design for Promoting PEV Integration Considering Decision-Dependent Uncertainties. IEEE Transactions on Industrial Informatics, 2021, 17, 1863-1872.	7.2	38
11	Multi-scenario comprehensive benefit evaluation model of a multi-energy micro-grid based on the matter-element extension model. Energy Science and Engineering, 2021, 9, 402-416.	1.9	7
12	Addressing the Conditional and Correlated Wind Power Forecast Errors in Unit Commitment by Distributionally Robust Optimization. IEEE Transactions on Sustainable Energy, 2021, 12, 944-954.	5.9	34
13	Co-Optimization of Supply and Demand Resources for Load Restoration of Distribution System Under Extreme Weather. IEEE Access, 2021, 9, 122907-122923.	2.6	15
14	Optimal demand response resource exploitation for efficient accommodation of renewable energy sources in multi-energy systems considering correlated uncertainties. Journal of Cleaner Production, 2021, 288, 125666.	4.6	59
15	An Interval Optimization-Based Approach for Electric–Heat–Gas Coupled Energy System Planning Considering the Correlation between Uncertainties. Energies, 2021, 14, 2457.	1.6	5
16	Comprehensive Benefit/Cost Analysis of Utilizing PEV Parking Lots as Virtual Energy Storage for the Energy Supply Sustainability of Future Distribution Systems. Frontiers in Energy Research, 2021, 9, .	1.2	2
17	Improved Symbiotic Organisms Search Algorithm for Optimal Operation of Active Distribution Systems Incorporating Renewables and Emerging Data–Center Resources. Energy Science and Engineering, 2021, 9, 1719.	1.9	0
18	Assessing the global burden of hemorrhage: The global blood supply, deficits, and potential solutions. SAGE Open Medicine, 2021, 9, 205031212110549.	0.7	17

#	ARTICLE	IF	CITATIONS
19	Optimal allocation of public transport hub based on load loss value and economy of distribution network. , 2021, , .		1
20	Research on Capacity Expansion Strategy of Distribution Network Based on Time-Space Response Capability of Data Center. , 2021, , .		0
21	Cost-effective power grid protection through defender–attacker–defender model with corrective network topology control. Energy Systems, 2020, 11, 811-837.	1.8	9
22	An interval-prediction based robust optimization approach for energy-hub operation scheduling considering flexible ramping products. Energy, 2020, 194, 116821.	4.5	35
23	Assessing capacity credit of demand response in smart distribution grids with behavior-driven modeling framework. International Journal of Electrical Power and Energy Systems, 2020, 118, 105745.	3.3	21
24	Assessing the Impact of an EV Battery Swapping Station on the Reliability of Distribution Systems. Applied Sciences (Switzerland), 2020, 10, 8023.	1.3	25
25	Smart Metering Planning for Wind Power Accommodation in Multi-energy System Considering Correlated Uncertainties. , 2020, , .		0
26	Optimal Public Parking Lot Allocation and Management for Efficient PEV Accommodation in Distribution Systems. IEEE Transactions on Industry Applications, 2020, 56, 5984-5994.	3.3	22
27	Bilevel Robust Optimization of Electric Vehicle Charging Stations With Distributed Energy Resources. IEEE Transactions on Industry Applications, 2020, 56, 5836-5847.	3.3	65
28	Bilevel Programming Approach for Optimal Planning Design of EV Charging Station. IEEE Transactions on Industry Applications, 2020, 56, 2314-2323.	3.3	40
29	Capacity value estimation of plug-in electric vehicle parking-lots in urban power systems: A physical-social coupling perspective. Applied Energy, 2020, 265, 114809.	5.1	17
30	Capacity Value and Economic Evaluation of Electric Vehicle Parking Lots in Smart Distribution Grids. , 2020, , .		0
31	Unified probabilistic energy flow analysis for electricity–gas coupled systems with integrated demand response. IET Generation, Transmission and Distribution, 2019, 13, 2697-2710.	1.4	20
32	System state model based multi-period robust generation, transmission, and demand side resource co-optimisation planning. IET Generation, Transmission and Distribution, 2019, 13, 345-354.	1.4	21
33	Holistic modeling framework of demand response considering multi-timescale uncertainties for capacity value estimation. Applied Energy, 2019, 247, 692-702.	5.1	6
34	On bilevel minimum and bottleneck spanning tree problems. Networks, 2019, 74, 251-273.	1.6	2
35	A Dynamic Strategy for Home Pick-Up Service with Uncertain Customer Requests and Its Implementation. Sustainability, 2019, 11, 2060.	1.6	2
36	Concurrent query processing in a GPU-based database system. PLoS ONE, 2019, 14, e0214720.	1.1	1

#	Article	IF	Citations
37	On Solving Nonsmooth Mixed-Integer Nonlinear Programming Problems by Outer Approximation and Generalized Benders Decomposition. Journal of Optimization Theory and Applications, 2019, 181, 840-863.	0.8	5
38	Capacity Expansion of Wind Power in a Market Environment With Topology Control. IEEE Transactions on Sustainable Energy, 2019, 10, 1834-1843.	5.9	8
39	Learning edge weights in file co-occurrence graphs for malware detection. Data Mining and Knowledge Discovery, 2019, 33, 168-203.	2.4	2
40	A note on linearized reformulations for a class of bilevel linear integer problems. Annals of Operations Research, 2019, 272, 99-117.	2.6	33
41	Evaluating Demand Response Impacts on Capacity Credit of Renewable Distributed Generation in Smart Distribution Systems. IEEE Access, 2018, 6, 14307-14317.	2.6	45
42	Structured storage policies for energy distribution networks. IISE Transactions, 2018, 50, 683-698.	1.6	1
43	Stochastic and Chance-Constrained Conic Distribution System Expansion Planning Using Bilinear Benders Decomposition. IEEE Transactions on Power Systems, 2018, 33, 2696-2705.	4.6	44
44	Optimal Expert Knowledge Elicitation for Bayesian Network Structure Identification. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1163-1177.	3.4	9
45	Combining a continuous location model and Heuristic techniques to determine oilfield warehouse locations under future oil well location uncertainty. Soft Computing, 2018, 22, 823-837.	2.1	6
46	A Chance Constrained Information-Gap Decision Model for Multi-Period Microgrid Planning. IEEE Transactions on Power Systems, 2018, 33, 2684-2695.	4.6	61
47	Capacity Credit Assessment of Demand Response Based on a Rigorous Uncertainty Modeling Framework. , 2018, , .		0
48	A Data-Driven Dispatching Approach for Sustainable Exploitation of Demand Response Resources. , 2018, , .		1
49	Hybrid probabilistic-possibilistic approach for capacity credit evaluation of demand response considering both exogenous and endogenous uncertainties. Applied Energy, 2018, 229, 186-200.	5.1	53
50	Optimal Allocation of Series FACTS Devices Under High Penetration of Wind Power Within a Market Environment. IEEE Transactions on Power Systems, 2018, 33, 6206-6217.	4.6	45
51	Bilevel Conic Transmission Expansion Planning. IEEE Transactions on Power Systems, 2018, 33, 4640-4642.	4.6	22
52	Bilevel Mixed Integer Transmission Expansion Planning. IEEE Transactions on Power Systems, 2018, 33, 7309-7312.	4.6	24
53	Collaborative Planning of DERs and Intentional Islands in Distribution Network Considering Loss-of-Load Risk. IEEE Access, 2018, 6, 45961-45973.	2.6	6
54	Decentralized Contingency-Constrained Tie-Line Scheduling for Multi-Area Power Grids. IEEE Transactions on Power Systems, 2017, 32, 354-367.	4.6	47

#	ARTICLE	IF	CITATIONS
55	Chance-Constrained Two-Stage Unit Commitment Under Uncertain Load and Wind Power Output Using Bilinear Benders Decomposition. IEEE Transactions on Power Systems, 2017, 32, 3637-3647.	4.6	101
56	An optimal integrated planning method for supporting growing penetration of electric vehicles in distribution systems. Energy, 2017, 126, 273-284.	4.5	33
57	Impact of behavior-driven demand response on supply adequacy in smart distribution systems. Applied Energy, 2017, 202, 125-137.	5.1	55
58	Efficient FPGA Implementation of Low-Complexity Systolic Karatsuba Multiplier Over $GF(2^{m})$ Based on NIST Polynomials. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 1815-1825.	3.5	21
59	Impact of demand response on capacity credit of renewable distributed generation. Journal of Engineering, 2017, 2017, 1814-1818.	0.6	2
60	Analysis of probabilistic energy flow for integrated electricity-gas energy system with P2G based on cumulant method. , 2017, , .		4
61	Robust mutant strain design by pessimistic optimization. BMC Genomics, 2017, 18, 677.	1.2	9
62	A robust unit commitment model under correlated temperatures and demands. , 2016, , .		2
63	A reliable alternative of OptKnock for desirable mutant microbial strains. , 2016, , .		5
64	Robust Optimization-Based Resilient Distribution Network Planning Against Natural Disasters. IEEE Transactions on Smart Grid, 2016, 7, 2817-2826.	6.2	419
65	A multi-level approach to active distribution system planning for efficient renewable energy harvesting in a deregulated environment. Energy, 2016, 96, 614-624.	4.5	45
66	Distribution System Reconfiguration Under Uncertain Load and Renewable Generation. IEEE Transactions on Power Systems, 2016, 31, 2666-2675.	4.6	89
67	Capacity credit assessment of renewable distributed generation in active distribution systems considering demand response impact. , 2015, , .		2
68	A bilevel planning method of active distribution system for renewable energy harvesting in a deregulated environment. , 2015, , .		5
69	Two-stage Combinatory Planning Method for Efficient Wind Power Integration in Smart Distribution Systems Considering Uncertainties. Electric Power Components and Systems, 2014, 42, 1661-1672.	1.0	5
70	Integrated Planning for Transition to Low-Carbon Distribution System With Renewable Energy Generation and Demand Response. IEEE Transactions on Power Systems, 2014, 29, 1153-1165.	4.6	289
71	Solving two-stage robust optimization problems using a column-and-constraint generation method. Operations Research Letters, 2013, 41, 457-461.	0.5	1,094
72	A Practical Scheme to Compute the Pessimistic Bilevel Optimization Problem. INFORMS Journal on Computing, 0, , .	1.0	2