

Dongbo Zhao

List of Publications by Year in descending order

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36
papers

2,022
citations

430874

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all docs

36
docs citations

36
times ranked

1901
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Scheduling of an Isolated Microgrid With Battery Storage Considering Load and Renewable Generation Uncertainties. IEEE Transactions on Industrial Electronics, 2019, 66, 1565-1575.	7.9	301
2	Load Modeling—A Review. IEEE Transactions on Smart Grid, 2018, 9, 5986-5999.	9.0	289
3	Optimal distributed generation planning in active distribution networks considering integration of energy storage. Applied Energy, 2018, 210, 1073-1081.	10.1	266
4	Optimal scheduling of isolated microgrid with an electric vehicle battery swapping station in multi-stakeholder scenarios: A bi-level programming approach via real-time pricing. Applied Energy, 2018, 232, 54-68.	10.1	188
5	A two-stage approach for combined heat and power economic emission dispatch: Combining multi-objective optimization with integrated decision making. Energy, 2018, 162, 237-254.	8.8	185
6	Improving operational flexibility of integrated energy system with uncertain renewable generations considering thermal inertia of buildings. Energy Conversion and Management, 2020, 207, 112526.	9.2	169
7	Two-stage multi-objective OPF for AC/DC grids with VSC-HVDC: Incorporating decisions analysis into optimization process. Energy, 2018, 147, 286-296.	8.8	80
8	Incorporating energy storage and user experience in isolated microgrid dispatch using a multi-objective model. IET Renewable Power Generation, 2019, 13, 973-981.	3.1	78
9	Multi-Agent Safe Policy Learning for Power Management of Networked Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 1048-1062.	9.0	64
10	Hybrid probabilistic-possibilistic approach for capacity credit evaluation of demand response considering both exogenous and endogenous uncertainties. Applied Energy, 2018, 229, 186-200.	10.1	53
11	Robust Time-Varying Parameter Identification for Composite Load Modeling. IEEE Transactions on Smart Grid, 2019, 10, 967-979.	9.0	50
12	Chance-Constrained Energy Management System for Power Grids With High Proliferation of Renewables and Electric Vehicles. IEEE Transactions on Smart Grid, 2020, 11, 2324-2336.	9.0	49
13	Intelligent load pattern modeling and denoising using improved variational mode decomposition for various calendar periods. Applied Energy, 2019, 247, 480-491.	10.1	34
14	Aggregated Electric Vehicle Load Modeling in Large-Scale Electric Power Systems. IEEE Transactions on Industry Applications, 2020, 56, 5796-5810.	4.9	34
15	Distribution System State Estimation: A Semidefinite Programming Approach. IEEE Transactions on Smart Grid, 2019, 10, 4369-4378.	9.0	31
16	A Deep Generative Model for Non-Intrusive Identification of EV Charging Profiles. IEEE Transactions on Smart Grid, 2020, 11, 4916-4927.	9.0	28
17	Optimal PMU Restoration for Power System Observability Recovery After Massive Attacks. IEEE Transactions on Smart Grid, 2021, 12, 1565-1576.	9.0	22
18	Unified probabilistic energy flow analysis for electricity-gas coupled systems with integrated demand response. IET Generation, Transmission and Distribution, 2019, 13, 2697-2710.	2.5	20

#	ARTICLE	IF	CITATIONS
19	Robust Identification of EV Charging Profiles. , 2018, , .		12
20	Parameter Reduction of Composite Load Model Using Active Subspace Method. IEEE Transactions on Power Systems, 2021, 36, 5441-5452.	6.5	10
21	Optimal Voltage Reference for Droop-Based DERs in Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 2357-2366.	9.0	9
22	Short-term load demand forecasting through rich features based on recurrent neural networks. IET Generation, Transmission and Distribution, 2021, 15, 927-937.	2.5	7
23	Collaborative Planning of DERs and Intentional Islands in Distribution Network Considering Loss-of-Load Risk. IEEE Access, 2018, 6, 45961-45973.	4.2	6
24	Holistic modeling framework of demand response considering multi-timescale uncertainties for capacity value estimation. Applied Energy, 2019, 247, 692-702.	10.1	6
25	Cost and Efficiency Analysis for Hybrid AC/DC Distribution System Planning with PV and Battery. , 2020, , .		6
26	A Bilevel Voltage Regulation Operation for Distribution Systems With Self-Operated Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 1238-1248.	9.0	5
27	Corrections to "Nonintrusive Appliance Identification With Appliance-Specific Networks" [Jul/Aug 20 3443-3452]. IEEE Transactions on Industry Applications, 2020, 56, 5678-5678.	4.9	4
28	Thermal Overloading Risk Mitigation With a Semi-Analytical Probabilistic Model on Branch Current. IEEE Transactions on Power Systems, 2021, 36, 3384-3393.	6.5	3
29	A Performance Comparison Study of Quasi-Dynamic State Estimation and Static State Estimation. , 2020, , .		3
30	A Relaxed PV Bus Model in Linear Power Flow. IEEE Transactions on Power Delivery, 2021, 36, 1249-1252.	4.3	2
31	Short-term nodal load forecasting based on machine learning techniques. International Transactions on Electrical Energy Systems, 2021, 31, e13016.	1.9	2
32	High-fidelity large-signal order reduction approach for composite load model. IET Generation, Transmission and Distribution, 2020, 14, 4888-4897.	2.5	2
33	Photovoltaic (PV) System Levelized Cost of Energy (LCOE) Evaluation with Grid Support Function Valuation and Service Lifetime Estimation. , 2021, , .		2
34	Advanced extended-term simulation approach with flexible quasisteady-state and dynamic semi-analytical simulation engines. , 2022, 1, 124-132.		2
35	AI-Aided Region-Based Active Stabilization in Autonomous DC Microgrids. , 2021, , .		0
36	Dynamic State Estimation Based Monitoring of High Frequency Transformer. , 2020, , .		0