

Xiaobo Dou

List of Publications by Year in descending order

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47
papers

463
citations

687363

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47
times ranked

498
citing authors

#	ARTICLE	IF	CITATIONS
1	Operation and Control of a Direct-Driven PMSG-Based Wind Turbine System with an Auxiliary Parallel Grid-Side Converter. <i>Energies</i> , 2013, 6, 3405-3421.	3.1	39
2	A Distributed Voltage Control Strategy for Multi-Microgrid Active Distribution Networks Considering Economy and Response Speed. <i>IEEE Access</i> , 2018, 6, 31259-31268.	4.2	36
3	A Novel Dominant Dynamic Elimination Control for Voltage-Controlled Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 6800-6812.	7.9	35
4	Increasing operational flexibility of integrated energy systems by introducing power to hydrogen. <i>IET Renewable Power Generation</i> , 2020, 14, 372-380.	3.1	34
5	Complex-Coefficient Complex-Variable Filter for Grid Synchronization Based on Linear Quadratic Regulation. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 1824-1834.	11.3	32
6	An Interval Arithmetic-Based State Estimation Framework for Power Distribution Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 8509-8520.	7.9	31
7	Extended-State-Observer-Based Distributed Robust Secondary Voltage and Frequency Control for an Autonomous Microgrid. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 195-205.	8.8	30
8	Adaptive robust optimal reactive power dispatch in unbalanced distribution networks with high penetration of distributed generation. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 1382-1389.	2.5	25
9	Load Current Decoupling Based LQ Control for Three-Phase Inverter. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 5476-5491.	7.9	25
10	Inertia-Enhanced Distributed Voltage and Frequency Control of Low-Inertia Microgrids. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 4270-4280.	6.5	24
11	A Concise Discrete Adaptive Filter for Frequency Estimation Under Distorted Three-Phase Voltage. <i>IEEE Transactions on Power Electronics</i> , 2017, 32, 9400-9412.	7.9	18
12	An Optimal PR Control Strategy with Load Current Observer for a Three-Phase Voltage Source Inverter. <i>Energies</i> , 2015, 8, 7542-7562.	3.1	15
13	Economic operation of integrated energy systems considering combined production of hydrogen and medical oxygen. <i>IET Renewable Power Generation</i> , 2020, 14, 3309-3316.	3.1	15
14	Optimal Dispatch of Regional Integrated Energy System Based on a Generalized Energy Storage Model. <i>IEEE Access</i> , 2021, 9, 1546-1555.	4.2	13
15	Adaptive Master-Slave Control Strategy for Medium Voltage DC Distribution Systems Based on a Novel Nonlinear Droop Controller. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 4765-4777.	9.0	13
16	High-Order Frequency-Locked Loop: General Modeling and Design. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 12626-12635.	7.9	11
17	A Cloud-edge Cooperative Dispatching Method for Distribution Networks Considering Photovoltaic Generation Uncertainty. <i>Journal of Modern Power Systems and Clean Energy</i> , 2021, 9, 1111-1120.	5.4	10
18	A Multiarea State Estimation for Distribution Networks Under Mixed Measurement Environment. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 3620-3629.	11.3	9

#	ARTICLE	IF	CITATIONS
19	Design and realization of regional power quality monitoring system. , 2008, , .		6
20	Optimal configuration of hybrid solar-wind distributed generation capacity in a grid-connected microgrid. , 2013, , .		5
21	A new method for optimal FTU placement in distribution network under consideration of power service reliability. Science China Technological Sciences, 2017, 60, 1885-1896.	4.0	5
22	A novel adaptive control for three-phase inverter. , 2018, , .		5
23	A Scenario-adaptive Online Learning Algorithm for Demand Response. , 2020, , .		4
24	Trade-Offs in Meter Deployment for Distribution Network State Estimation Considering Measurement Uncertainty. IEEE Access, 2019, 7, 66123-66136.	4.2	3
25	A Decoupling Rolling Multi-Period Power and Voltage Optimization Strategy in Active Distribution Networks. Energies, 2020, 13, 5789.	3.1	3
26	Preliminary study on adaptive fast-tripping current protection for microgrid. , 2015, , .		2
27	An optimal grid current control strategy with grid voltage observer (GVO) for LCLâ€filtered gridâ€connected inverters. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 777-784.	1.4	2
28	Distribution Network Voltage Control Based on Coordinated Optimization of PV and Air-Conditioning. International Journal of Photoenergy, 2018, 2018, 1-7.	2.5	2
29	A Novel Strategy for DC Distribution Start-up Based on MMC. , 2019, , .		2
30	Design of a Microgrid with Low-Voltage Ride-Through Capability and Simulation Experiment. Journal of Applied Mathematics, 2014, 2014, 1-8.	0.9	1
31	Discrete consensus-based distributed secondary control scheme with considering time-delays for DC microgrid. , 2015, , .		1
32	Dynamic Analysis and Parameters Design of the Load Virtual Synchronous Machine. , 2018, , .		1
33	Multi-Source Partial Discharge Signal Separation and recognition Method Based on manifold Learning in Oil-pressboard Insulation System. , 2020, , .		1
34	Reactive Power Optimization of Distribution Network Based on BP Neural Network and Intelligent Scene Matching. , 2021, , .		1
35	Voltage Optimal Strategy for Low-Voltage Distribution Network Considering Model Missing. , 2021, , .		1
36	Voltage Regulation Strategy for Feeder and Station Area of Distribution Network Using Deep Reinforcement Learning. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
37	Inertia-enhanced method for active distribution network based on hierarchical control structure. International Journal of Electrical Power and Energy Systems, 2022, 142, 108365.	5.5	1
38	A novel peer-to-peer control strategy for multi-terminal DC distribution systems. IEEE Transactions on Smart Grid, 2022, , 1-1.	9.0	1
39	Discrete time optimal design for voltage prefilter in grid synchronization system from control perspective. , 2016, , .		0
40	A New Protection Scheme for Two-terminal DC Grid. , 2017, , .		0
41	Distributed Reactive Power Optimization in Distribution Systems Based on System Partitioning. , 2018, , .		0
42	A Fault Locating Method Based on Travelling Wave for MMC Based DC Distribution Network. , 2020, , .		0
43	Complex-Variable Design of Voltage Control for Grid-Forming Inverter. , 2020, , .		0
44	Topology Identification Method of Station Area Based on Step by Step Analysis of Electric Quantity and Voltage. , 2021, , .		0
45	Individual Phase Control for Unbalance Suppression Based on Distributed Photovoltaic Inverter. , 2021, , .		0
46	Reactive Power Optimization Method of Distribution Network Considering Missing Measurement Data. , 2021, , .		0
47	Cooperative Dynamic Voltage Control of Multiple Distributed Generators in Active Distribution Network. , 2021, , .		0