

Changhong Zhao

List of Publications by Year in descending order

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52
papers

1,891
citations

394421

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docs citations

53
times ranked

1485
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing Information Freshness via Multiuser Scheduling With Adaptive NOMA/OMA. IEEE Transactions on Wireless Communications, 2022, 21, 1766-1778.	9.2	17
2	Optimal Energy Scheduling and Sensitivity Analysis for Integrated Power-Water-Heat Systems. IEEE Systems Journal, 2022, 16, 5176-5187.	4.6	4
3	Optimal power scheduling of seaport microgrids with flexible logistic loads. IET Renewable Power Generation, 2022, 16, 2711-2720.	3.1	5
4	Review of energy sharing: Business models, mechanisms, and prospects. IET Renewable Power Generation, 2022, 16, 2468-2480.	3.1	13
5	Distributed Automatic Load Frequency Control With Optimality in Power Systems. IEEE Transactions on Control of Network Systems, 2021, 8, 307-318.	3.7	16
6	Approaching Prosumer Social Optimum via Energy Sharing With Proof of Convergence. IEEE Transactions on Smart Grid, 2021, 12, 2484-2495.	9.0	21
7	Economic Dispatch With Distributed Energy Resources: Co-Optimization of Transmission and Distribution Systems. , 2021, , .		0
8	Exponential stability of partial primal-dual gradient dynamics with nonsmooth objective functions. Automatica, 2021, 129, 109585.	5.0	9
9	Privacy-Preserving Distributed Optimal Power Flow With Partially Homomorphic Encryption. IEEE Transactions on Smart Grid, 2021, 12, 4506-4521.	9.0	24
10	Distributed AC-DC Optimal Power Dispatch of VSC-Based Energy Routers in Smart Microgrids. IEEE Transactions on Power Systems, 2021, 36, 4457-4470.	6.5	16
11	Economic Dispatch With Distributed Energy Resources: Co-Optimization of Transmission and Distribution Systems. , 2021, 5, 1994-1999.		7
12	Decentralized Provision of Renewable Predictions Within a Virtual Power Plant. IEEE Transactions on Power Systems, 2021, 36, 2652-2662.	6.5	15
13	Aggregate Power Flexibility in Unbalanced Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 258-269.	9.0	71
14	Accelerated Voltage Regulation in Multi-Phase Distribution Networks Based on Hierarchical Distributed Algorithm. IEEE Transactions on Power Systems, 2020, 35, 2047-2058.	6.5	34
15	A Model-Predictive Hierarchical-Control Framework for Aggregating Residential DERs to Provide Grid Regulation Services. , 2020, , .		2
16	Quantification of Load Flexibility in Residential Buildings Using Home Energy Management Systems. , 2020, , .		9
17	Dynamic Restoration Strategy for Distribution System Resilience Enhancement. , 2020, , .		5
18	Gradient-Based Multi-Area Distribution System State Estimation. IEEE Transactions on Smart Grid, 2020, 11, 5325-5338.	9.0	40

#	ARTICLE	IF	CITATIONS
19	Distributed optimal load frequency control considering nonsmooth cost functions. <i>Systems and Control Letters</i> , 2020, 136, 104607.	2.3	7
20	Solving Optimal Power Flow for Distribution Networks with State Estimation Feedback. , 2020, , .		8
21	Multi-Level Optimal Power Flow Solver in Large Distribution Networks. , 2020, , .		1
22	Optimizing DER Participation in Inertial and Primary-Frequency Response. , 2019, , .		7
23	Hierarchical Distributed Voltage Regulation in Networked Autonomous Grids. , 2019, , .		14
24	Robust Decentralized Secondary Frequency Control in Power Systems: Merits and Tradeoffs. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 3967-3982.	5.7	55
25	Distributed Frequency Control With Operational Constraints, Part I: Per-Node Power Balance. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 40-52.	9.0	50
26	Distributed Frequency Control With Operational Constraints, Part II: Network Power Balance. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 53-64.	9.0	40
27	Optimal Waterâ€™Power Flow-Problem: Formulation and Distributed Optimal Solution. <i>IEEE Transactions on Control of Network Systems</i> , 2019, 6, 37-47.	3.7	72
28	Load Flow in Multiphase Distribution Networks: Existence, Uniqueness, Non-Singularity and Linear Models. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 5832-5843.	6.5	98
29	Optimizing DER Participation in Inertial and Primary-Frequency Response. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 5194-5205.	6.5	59
30	Optimizing Powerâ€™Frequency Droop Characteristics of Distributed Energy Resources. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 3076-3086.	6.5	19
31	Distributed plug-and-play optimal generator and load control for power system frequency regulation. <i>International Journal of Electrical Power and Energy Systems</i> , 2018, 101, 1-12.	5.5	31
32	Network-Cognizant Voltage Droop Control for Distribution Grids. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 2098-2108.	6.5	94
33	Graph Laplacian Spectrum and Primary Frequency Regulation. , 2018, , .		29
34	Cyber Network Design for Secondary Frequency Regulation: A Spectral Approach. , 2018, , .		3
35	Profit-Maximizing Planning and Control of Battery Energy Storage Systems for Primary Frequency Control. , 2018, , .		10
36	Distributed Automatic Load-Frequency Control with Optimality in Power Systems. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
37	Distributed Frequency Control with Operational Constraints, Part II: Network Power Balance. , 2018, , .		2
38	Robust decentralized frequency control: A leaky integrator approach. , 2018, , .		2
39	Design of an advanced energy management system for microgrid control using a state machine. Applied Energy, 2018, 228, 2407-2421.	10.1	37
40	Optimal Load-Side Control for Frequency Regulation in Smart Grids. IEEE Transactions on Automatic Control, 2017, 62, 6294-6309.	5.7	137
41	Primary frequency response with aggregated DERs. , 2017, , .		13
42	Engineering inertial and primary-frequency response for distributed energy resources. , 2017, , .		15
43	Network-cognizant design of decentralized Volt/VAR controllers. , 2017, , .		4
44	Decentralized optimal frequency control of interconnected power systems with transient constraints. , 2016, , .		7
45	A unified framework for frequency control and congestion management. , 2016, , .		41
46	Connecting Automatic Generation Control and Economic Dispatch From an Optimization View. IEEE Transactions on Control of Network Systems, 2016, 3, 254-264.	3.7	202
47	Optimal Sizing of Voltage Control Devices for Distribution Circuit with Intermittent Load. , 2015, , .		0
48	Distributed power flow loss minimization control for future grid. International Journal of Circuit Theory and Applications, 2015, 43, 1209-1225.	2.0	6
49	Optimal decentralized primary frequency control in power networks. , 2014, , .		33
50	Design and Stability of Load-Side Primary Frequency Control in Power Systems. IEEE Transactions on Automatic Control, 2014, 59, 1177-1189.	5.7	367
51	Optimal Load Control via Frequency Measurement and Neighborhood Area Communication. IEEE Transactions on Power Systems, 2013, 28, 3576-3587.	6.5	107
52	Distributed Real-Time Power Flow control with renewable integration. , 2013, , .		7