

# Zhaojian Wang

## List of Publications by Year in descending order

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papers

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citations

516710

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40  
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40  
docs citations

40  
times ranked

543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Power Flow in Stand-Alone DC Microgrids. IEEE Transactions on Power Systems, 2018, 33, 5496-5506.	6.5	115
2	Optimal expansion planning of isolated microgrid with renewable energy resources and controllable loads. IET Renewable Power Generation, 2017, 11, 931-940.	3.1	57
3	Unified Distributed Control of Stand-Alone DC Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 1013-1024.	9.0	51
4	Distributed Frequency Control With Operational Constraints, Part I: Per-Node Power Balance. IEEE Transactions on Smart Grid, 2019, 10, 40-52.	9.0	50
5	Distributed Frequency Control With Operational Constraints, Part II: Network Power Balance. IEEE Transactions on Smart Grid, 2019, 10, 53-64.	9.0	40
6	Distributed Generalized Nash Equilibrium Seeking for Energy Sharing Games in Prosumers. IEEE Transactions on Power Systems, 2021, 36, 3973-3986.	6.5	38
7	Robust Scheduling of Virtual Power Plant Under Exogenous and Endogenous Uncertainties. IEEE Transactions on Power Systems, 2022, 37, 1311-1325.	6.5	32
8	Energy management based on multi-agent deep reinforcement learning for a multi-energy industrial park. Applied Energy, 2022, 311, 118636.	10.1	30
9	Distributed Optimal Frequency Control Considering a Nonlinear Network-Preserving Model. IEEE Transactions on Power Systems, 2019, 34, 76-86.	6.5	27
10	Optimal Emergency Frequency Control Based on Coordinated Droop in Multi-Infeed Hybrid AC-DC System. IEEE Transactions on Power Systems, 2021, 36, 3305-3316.	6.5	24
11	Distributed Stability Conditions for Power Systems With Heterogeneous Nonlinear Bus Dynamics. IEEE Transactions on Power Systems, 2020, 35, 2313-2324.	6.5	23
12	Operation of Distribution Network Considering Compressed Air Energy Storage Unit and Its Reactive Power Support Capability. IEEE Transactions on Smart Grid, 2020, 11, 2954-2965.	9.0	23
13	Online Periodic Coordination of Multiple Pulsed Loads on All-Electric Ships. IEEE Transactions on Power Systems, 2020, 35, 2658-2669.	6.5	18
14	Asynchronous Decentralized Federated Learning for Collaborative Fault Diagnosis of PV Stations. IEEE Transactions on Network Science and Engineering, 2022, 9, 1680-1696.	6.4	18
15	Distributed load-side control: Coping with variation of renewable generations. Automatica, 2019, 109, 108556.	5.0	17
16	Impact of Energy Storage on Economic Dispatch of Distribution Systems: A Multi-Parametric Linear Programming Approach and its Implications. IEEE Open Access Journal of Power and Energy, 2020, 7, 243-253.	3.4	17
17	Asynchronous Distributed Power Control of Multimicrogrid Systems. IEEE Transactions on Control of Network Systems, 2020, 7, 1960-1973.	3.7	15
18	Online Coordination of LNG Tube Trailer Dispatch and Resilience Restoration of Integrated Power-Gas Distribution Systems. IEEE Transactions on Smart Grid, 2022, 13, 1938-1951.	9.0	15

#	ARTICLE	IF	CITATIONS
19	A compressed sensing and CNN-based method for fault diagnosis of photovoltaic inverters in edge computing scenarios. IET Renewable Power Generation, 2022, 16, 1434-1444.	3.1	13
20	Asynchronous distributed voltage control in active distribution networks. Automatica, 2020, 122, 109269.	5.0	12
21	Optimal Energy Management of a Residential Prosumer: A Robust Data-Driven Dynamic Programming Approach. IEEE Systems Journal, 2022, 16, 1548-1557.	4.6	12
22	On Nash-Stackelberg Nash games under decision-dependent uncertainties: Model and equilibrium. Automatica, 2022, 142, 110401.	5.0	11
23	Cycle-Life-Aware Optimal Sizing of Grid-Side Battery Energy Storage. IEEE Access, 2021, 9, 20179-20190.	4.2	9
24	Exponential stability of partial primal-dual gradient dynamics with nonsmooth objective functions. Automatica, 2021, 129, 109585.	5.0	9
25	Multi-Energy Microgrids: Designing, operation under new business models, and engineering practices in China. IEEE Electrification Magazine, 2021, 9, 75-82.	1.8	8
26	Decentralized optimal frequency control of interconnected power systems with transient constraints. , 2016, , .		7
27	Fully distributed optimal power flow for unbalanced distribution networks based on ADMM. , 2016, , .		7
28	Distributed optimal load frequency control considering nonsmooth cost functions. Systems and Control Letters, 2020, 136, 104607.	2.3	7
29	Operationally Constrained Optimal Dispatch of Multiple Pulsed Loads in an Isolated Microgrid. , 2018, , .		5
30	FSR-SSL: A fault sample rebalancing framework based on semi-supervised learning for PV fault diagnosis. IET Renewable Power Generation, 2022, 16, 2667-2681.	3.1	5
31	Stochastic gradient-based fast distributed multi-energy management for an industrial park with temporally-coupled constraints. Applied Energy, 2022, 317, 119107.	10.1	5
32	Optimal design of isolated microgrid considering run-time load controllability. , 2013, , .		4
33	Towards Distributed Stability Analytics of Dynamic Power Systems: A Phasor-Circuit Theory Perspective. , 2019, , .		4
34	Cost-Efficient Deployment of Storage Unit in Residential Energy Systems. IEEE Transactions on Power Systems, 2021, 36, 525-528.	6.5	4
35	Online distributed tracking of generalized Nash equilibrium on physical networks. Autonomous Intelligent Systems, 2021, 1, 1.	3.1	4
36	Toward Distributed Stability Analytics for Power Systems with Heterogeneous Bus Dynamics. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
37	Distributed economic automatic generation control: A game theoretic perspective. , 2015, , .		2
38	Optimization of reactive power compensation for distribution power system with small hydro power. , 2014, , .		1
39	Optimal capacity configuration method of distributed compressed air energy storage in wind farm. , 2014, , .		1
40	Spectral Analysis of Network Coupling on Power System Synchronization with Varying Phases and Voltages. , 2020, , .		0