

Wenbin Yuan

List of Publications by Year in descending order

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25
papers

462
citations

933447

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1199594

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all docs

25
docs citations

25
times ranked

442
citing authors

#	ARTICLE	IF	CITATIONS
1	An <i>f-P/Q</i> Droop Control in Cascaded-Type Microgrid. IEEE Transactions on Power Systems, 2018, 33, 1136-1138.	6.5	77
2	A fully decentralized control of grid-connected cascaded inverters. IEEE Transactions on Sustainable Energy, 2019, 10, 315-317.	8.8	68
3	Existence and Stability of Equilibrium of DC Microgrid With Constant Power Loads. IEEE Transactions on Power Systems, 2018, 33, 6999-7010.	6.5	52
4	A novel quasi-master-slave control frame for PV-storage independent microgrid. International Journal of Electrical Power and Energy Systems, 2018, 97, 262-274.	5.5	41
5	Conventional <i>P-Q/V</i> Droop Control in Highly Resistive Line of Low-Voltage Converter-Based AC Microgrid. Energies, 2016, 9, 943.	3.1	40
6	Efficiency-Prioritized Droop Control Strategy of AC Microgrid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2936-2950.	5.4	30
7	Improvement of transient stability in inverter-based AC microgrid via adaptive virtual inertia. , 2016, , .		24
8	New Perspectives on Power Control of AC Microgrid Considering Operation Cost and Efficiency. IEEE Transactions on Power Systems, 2021, 36, 4844-4847.	6.5	20
9	A Unified Distributed Control Strategy for Hybrid Cascaded-Parallel Microgrid. IEEE Transactions on Energy Conversion, 2019, 34, 2029-2040.	5.2	19
10	Impacts of Inductor Nonlinear Characteristic in Multiconverter Microgrids: Modeling, Analysis, and Mitigation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3333-3347.	5.4	17
11	A Communication-Free Decentralized Control for Grid-Connected Cascaded PV Inverters. Energies, 2018, 11, 1375.	3.1	12
12	Robust Droop Control of AC Microgrid Against Nonlinear Characteristic of Inductor. , 2019, , .		11
13	Stability analysis and concept extension of harmonic decoupling network for the three-phase grid synchronization systems. International Journal of Electrical Power and Energy Systems, 2017, 89, 1-10.	5.5	10
14	Adaptive Droop Control Strategy of Autonomous Microgrid for Efficiency Improvement. , 2019, , .		7
15	A novel operation mode for PV-storage independent microgrids with MPPT based droop control. , 2017, , .		5
16	A decentralized SOC balancing method in cascaded H-bridge based storage modules. , 2017, , .		5
17	A unified distributed control for grid-connected and islanded modes in multi-bus AC microgrid. , 2017, , .		5
18	An Integrated Series-Parallel Microgrid Structure and its Unified Distributed Control. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	Delay-dependent stability analysis of DC microgrid with distributed control considering communication delay. , 2017, , .		4
20	Control design and stability analysis for the cascaded-type AC microgrid. , 2017, , .		4
21	A decentralized control for cascaded PV inverter system in grid-connected mode. , 2017, , .		3
22	A Cost-Effective Decentralized Control for AC-Stacked Photovoltaic Inverters. Energies, 2018, 11, 2262.	3.1	2
23	A Robust Voltage Sensorless Droop Control Strategy of Microgrid Against Parameters Perturbation. , 2020, , .		1
24	Stabilization methods of DC Microgrid with distributed control considering communication delay. , 2017, , .		0
25	Efficiency Modelling and Analysis of Multi-bus Microgrid with Transmission Network. , 2020, , .		0