

Xiaochao Hou

List of Publications by Year in descending order

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docs citations

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times ranked

1914
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Power Sharing Control Strategies for Islanding Operation of AC Microgrids. IEEE Transactions on Smart Grid, 2016, 7, 200-215.	9.0	773
2	New Perspectives on Droop Control in AC Microgrid. IEEE Transactions on Industrial Electronics, 2017, 64, 5741-5745.	7.9	213
3	Stability Analysis and Stabilization Methods of DC Microgrid With Multiple Parallel-Connected DC-DC Converters Loaded by CPLs. IEEE Transactions on Smart Grid, 2018, 9, 132-142.	9.0	181
4	Improvement of Frequency Regulation in VSG-Based AC Microgrid Via Adaptive Virtual Inertia. IEEE Transactions on Power Electronics, 2020, 35, 1589-1602.	7.9	172
5	Distributed Hierarchical Control of AC Microgrid Operating in Grid-Connected, Islanded and Their Transition Modes. IEEE Access, 2018, 6, 77388-77401.	4.2	110
6	Stability analysis of DC microgrids with constant power load under distributed control methods. Automatica, 2018, 90, 62-72.	5.0	78
7	An <i>f-P/Q</i> Droop Control in Cascaded-Type Microgrid. IEEE Transactions on Power Systems, 2018, 33, 1136-1138.	6.5	77
8	A fully decentralized control of grid-connected cascaded inverters. IEEE Transactions on Sustainable Energy, 2019, 10, 315-317.	8.8	68
9	A Reduced-Order Generalized Proportional Integral Observer-Based Resonant Super-Twisting Sliding Mode Control for Grid-Connected Power Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 5897-5908.	7.9	49
10	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
11	Conventional <i>P-f/Q-V</i> Droop Control in Highly Resistive Line of Low-Voltage Converter-Based AC Microgrid. Energies, 2016, 9, 943.	3.1	40
12	A Decentralized SOC Balancing Method for Cascaded-Type Energy Storage Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 2321-2333.	7.9	26
13	A Decentralized Control With Unique Equilibrium Point for Cascaded-Type Microgrid. IEEE Transactions on Sustainable Energy, 2019, 10, 324-326.	8.8	25
14	Improvement of transient stability in inverter-based AC microgrid via adaptive virtual inertia. , 2016, , .		24
15	Power Factor Angle Droop Control—A General Decentralized Control of Cascaded Inverters. IEEE Transactions on Power Delivery, 2021, 36, 465-468.	4.3	23
16	Distributed Dynamic Event-Triggered Control for Voltage Restoration and Current Sharing in DC Microgrids. IEEE Transactions on Sustainable Energy, 2022, 13, 619-628.	8.8	23
17	A General Decentralized Control Scheme for Medium-/High-Voltage Cascaded STATCOM. IEEE Transactions on Power Systems, 2018, 33, 7296-7300.	6.5	21
18	A Distributed Cooperative Control Algorithm for Optimal Power Flow and Voltage Regulation in DC Power System. IEEE Transactions on Power Delivery, 2020, 35, 892-903.	4.3	21

#	ARTICLE	IF	CITATIONS
19	A Self-Synchronized Decentralized Control for Series-Connected H-Bridge Rectifiers. IEEE Transactions on Power Electronics, 2019, 34, 7136-7142.	7.9	20
20	A Unified Distributed Control Strategy for Hybrid Cascaded-Parallel Microgrid. IEEE Transactions on Energy Conversion, 2019, 34, 2029-2040.	5.2	19
21	Power oscillation suppression in multi-VSG grid with adaptive virtual inertia. International Journal of Electrical Power and Energy Systems, 2022, 135, 107472.	5.5	19
22	A Coordinated Control for Photovoltaic Generators and Energy Storages in Low-Voltage AC/DC Hybrid Microgrids under Islanded Mode. Energies, 2016, 9, 651.	3.1	17
23	A Repetitive Control Scheme Aimed at Compensating the $6k + 1$ Harmonics for a Three-Phase Hybrid Active Filter. Energies, 2016, 9, 787.	3.1	16
24	Priority-Driven Self-Optimizing Power Control Scheme for Interlinking Converters of Hybrid AC/DC Microgrid Clusters in Decentralized Manner. IEEE Transactions on Power Electronics, 2022, 37, 5970-5983.	7.9	16
25	A Communication-Free Decentralized Control for Grid-Connected Cascaded PV Inverters. Energies, 2018, 11, 1375.	3.1	12
26	Generalized Extended State Observer-Based Distributed Attack-Resilient Control for DC Microgrids. IEEE Transactions on Sustainable Energy, 2022, 13, 1469-1480.	8.8	12
27	Power factor angle consistency control for decentralised power sharing in cascaded-type microgrid. IET Generation, Transmission and Distribution, 2019, 13, 850-857.	2.5	9
28	An Effective Solution for Regeneration Protection in Uninterruptible Power Supply. IEEE Transactions on Industry Applications, 2019, 55, 3055-3065.	4.9	9
29	Reviews On Inertia Emulation Technology With Power Electronics. , 2020, , .		9
30	Distributed Dynamic Event-Triggered Control for Accurate Active and Harmonic Power Sharing in Modular On-Line UPS Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 13045-13055.	7.9	6
31	A novel operation mode for PV-storage independent microgrids with MPPT based droop control. , 2017, , .		5
32	A decentralized SOC balancing method in cascaded H-bridge based storage modules. , 2017, , .		5
33	A unified distributed control for grid-connected and islanded modes in multi-bus AC microgrid. , 2017, , .		5
34	A Hybrid Voltage/Current Control Scheme With Low-Communication Burden for Grid-Connected Series-Type Inverters in Decentralized Manner. IEEE Transactions on Power Electronics, 2022, 37, 920-931.	7.9	5
35	Communication-free optimal economical dispatch scheme for cascaded-type microgrids with capacity constraints. IET Power Electronics, 2020, 13, 2866-2873.	2.1	5
36	Transient Stabilization Control of Electric Synchronous Machine for Preventing the Collapse of DC-Link Voltage. IEEE Transactions on Smart Grid, 2023, 14, 82-93.	9.0	5

#	ARTICLE	IF	CITATIONS
37	Carrier-based modulation strategy of indirect matrix converters for common-mode voltage reduction. , 2017, , .		4
38	Control design and stability analysis for the cascaded-type AC microgrid. , 2017, , .		4
39	<scp>Leaderâ€distributed followerâ€decentralized</scp> control strategy for economic dispatch in <scp>cascadedâ€parallel</scp> microgrids. International Transactions on Electrical Energy Systems, 2021, 31, e12964.	1.9	4
40	Unified decentralised control for both gridâ€connected and islanded operation of cascadedâ€type microgrid. IET Renewable Power Generation, 2020, 14, 3138-3148.	3.1	4
41	A stabilization method of LC input filter in DC microgrids feeding constant power loads. , 2017, , .		3
42	A Cost-Effective Decentralized Control for AC-Stacked Photovoltaic Inverters. Energies, 2018, 11, 2262.	3.1	2
43	An Optimal-Oriented Quasi-Droop Control of Interlinking Converter in Hybrid Microgrid. , 2019, , .		2
44	A series-parallel PV-storage independent microgrid and its decentralized control. International Transactions on Electrical Energy Systems, 2019, 29, e2715.	1.9	2
45	An Improved Decentralized Control of Cascaded Inverters with Robust Stability against Grid-Voltage Variation. IEEE Transactions on Energy Conversion, 2021, , 1-1.	5.2	2
46	A unified SoC balancing method with low-bandwidth distributed communication in island microgrid. , 2017, , .		1
47	A Min-communication Control for Grid-connected Cascaded PV Inverters. , 2018, , .		1
48	A Decentralized Power Control of Cascaded Single-Stage PV Inverters for Grid-connected Applications. , 2018, , .		1
49	An Improved Decentralized Control of Grid-Connected Cascaded Inverters with Different Power Capacities. , 2021, , .		1
50	Distributed Event-Triggered Control for Harmonic Voltage Compensation in Islanded AC Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 4190-4201.	9.0	1
51	Novel active synchronization strategy for multi-bus microgrid with distributed cooperation control. , 2016, , .		0
52	A novel DCES based voltage control stragety for critical load supplied by wireless power. , 2017, , .		0
53	Decentralized Control Strategies in Grid-Connected Mode. Power Systems, 2022, , 195-224.	0.5	0
54	A Masterâ€Slave Control in Grid-Connected Applications. Power Systems, 2022, , 225-246.	0.5	0

#	ARTICLE	IF	CITATIONS
55	Unified Grid-Connected and Islanded Operation. Power Systems, 2022, , 247-275.	0.5	0
56	Decentralized Method for Islanded Operation Mode. Power Systems, 2022, , 139-148.	0.5	0
57	Dynamic Frequency Regulation Via Adaptive Virtual Inertia. Power Systems, 2022, , 43-65.	0.5	0