

Zhangjie Liu

List of Publications by Year in descending order

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49
times ranked

770
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Wind Power Short-Term Prediction Based on LSTM and Discrete Wavelet Transform. Applied Sciences (Switzerland), 2019, 9, 1108.	2.5	155
3	Stability analysis of DC microgrids with constant power load under distributed control methods. Automatica, 2018, 90, 62-72.	5.0	78
4	A fully decentralized control of grid-connected cascaded inverters. IEEE Transactions on Sustainable Energy, 2019, 10, 315-317.	8.8	68
5	Existence and Stability of Equilibrium of DC Microgrid With Constant Power Loads. IEEE Transactions on Power Systems, 2018, 33, 6999-7010.	6.5	52
6	Distributed control scheme on cost optimisation under communication delays for DC microgrids. IET Generation, Transmission and Distribution, 2017, 11, 4193-4201.	2.5	35
7	An Adaptive Dual-Loop Lyapunov-Based Control Scheme for a Single-Phase UPS Inverter. IEEE Transactions on Power Electronics, 2020, 35, 8886-8891.	7.9	32
8	Optimal criterion and global/sub-optimal control schemes of decentralized economical dispatch for AC microgrid. International Journal of Electrical Power and Energy Systems, 2019, 104, 38-42.	5.5	30
9	Short-term wind power interval prediction method using VMD-RFG and Att-GRU. Energy, 2022, 251, 123807.	8.8	29
10	A Decentralized SOC Balancing Method for Cascaded-Type Energy Storage Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 2321-2333.	7.9	26
11	A Decentralized Control With Unique Equilibrium Point for Cascaded-Type Microgrid. IEEE Transactions on Sustainable Energy, 2019, 10, 324-326.	8.8	25
12	Feasible Power-Flow Solution Analysis of DC Microgrids Under Droop Control. IEEE Transactions on Smart Grid, 2020, 11, 2771-2781.	9.0	23
13	Convergence Analysis of Newton-Raphson Method in Feasible Power-Flow for DC Network. IEEE Transactions on Power Systems, 2020, 35, 4100-4103.	6.5	22
14	A General Decentralized Control Scheme for Medium-/High-Voltage Cascaded STATCOM. IEEE Transactions on Power Systems, 2018, 33, 7296-7300.	6.5	21
15	Locally-distributed and globally-decentralized control for hybrid series-parallel microgrids. International Journal of Electrical Power and Energy Systems, 2020, 116, 105537.	5.5	20
16	Further Results on Newton-Raphson Method in Feasible Power-Flow for DC Distribution Networks. IEEE Transactions on Power Delivery, 2022, 37, 1348-1351.	4.3	17
17	Existence and Stability of Equilibrium of DC Micro-Grid Under Master-Slave Control. IEEE Transactions on Power Systems, 2022, 37, 212-223.	6.5	17
18	A Comprehensive Study on the Existence and Stability of Equilibria of DC-Distribution Networks With Constant Power Loads. IEEE Transactions on Automatic Control, 2022, 67, 1988-1995.	5.7	16

#	ARTICLE	IF	CITATIONS
19	A Communication-Free Decentralized Control for Grid-Connected Cascaded PV Inverters. <i>Energies</i> , 2018, 11, 1375.	3.1	12
20	Power Oscillation Suppression in Multi-VSG Grid by Adaptive Virtual Impedance Control. <i>IEEE Systems Journal</i> , 2022, 16, 4744-4755.	4.6	12
21	Power Oscillation Suppression of Multi-VSG Grid via Decentralized Mutual Damping Control. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 10202-10214.	7.9	11
22	Stabilization Method Considering Disturbance Mitigation for DC Microgrids with Constant Power Loads. <i>Energies</i> , 2019, 12, 873.	3.1	10
23	Feasible Power-Flow Solution Analysis of DC Microgrid Considering Distributed Generations Under MPPT Control. <i>IEEE Transactions on Smart Grid</i> , 2022, 13, 139-148.	9.0	10
24	Power factor angle consistency control for decentralised power sharing in cascaded AC-type microgrid. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 850-857.	2.5	9
25	Delay-dependent stability analysis of DC microgrid with distributed control considering communication delay. , 2017, , .		4
26	A stabilization method of LC input filter in DC microgrids feeding constant power loads. , 2017, , .		3
27	A distributed control scheme with cost optimization and capacity constraints. , 2017, , .		3
28	A unified distributed control scheme on cost optimization for hybrid AC/DC microgrid. , 2018, , .		3
29	A Distributed Secondary Control Algorithm for Automatic Generation Control Considering EDP and Automatic Voltage Control in an AC Microgrid. <i>Energies</i> , 2018, 11, 932.	3.1	3
30	A Completely Distributed Economic Dispatching Strategy Considering Capacity Constraints. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2021, 11, 210-221.	3.6	3
31	Decentralized economical-sharing scheme for cascaded AC microgrids. , 2017, , .		2
32	A Cost-Effective Decentralized Control for AC-Stacked Photovoltaic Inverters. <i>Energies</i> , 2018, 11, 2262.	3.1	2
33	A series-parallel PV-storage independent microgrid and its decentralized control. <i>International Transactions on Electrical Energy Systems</i> , 2019, 29, e2715.	1.9	2
34	Optimal decentralized economical-sharing criterion and scheme for AC microgrids. , 2017, , .		1
35	Existence Conditions and Stability for the Power-Flow of DC Micro-Grids With CPLs. <i>IEEE Transactions on Smart Grid</i> , 2022, 13, 4284-4299.	9.0	1
36	The Existence Condition for Power-Flow Considering Current Constraints and Control Objectives of DC Microgrids with CPLs under Distributed Control. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
37	Stabilization methods of DC Microgrid with distributed control considering communication delay. , 2017, , .		0
38	Design criteria for parallel connected-buck converters in DC microgrid loaded by CPLs. , 2017, , .		0
39	A distributed cooperative control strategy for improving dynamic response of AC microgrid. , 2017, , .		0
40	An Adaptive Distributed Consensus Control for Air Balancing of HVAC Systems. , 2020, , .		0
41	Solvability Condition of Power-Flow considering current constraints of DGs of DC Microgrids with CPLs. , 2021, , .		0
42	An Existence Condition for Power-Flow of DC Microgrids with CPLs Considering Voltage Disturbance and Distributed Generations under MPPT Control. Journal of Physics: Conference Series, 2022, 2166, 012007.	0.4	0
43	Decentralized Control Strategies in Grid-Connected Mode. Power Systems, 2022, , 195-224.	0.5	0
44	Unified Grid-Connected and Islanded Operation. Power Systems, 2022, , 247-275.	0.5	0
45	Decentralized Method for Islanded Operation Mode. Power Systems, 2022, , 139-148.	0.5	0
46	Solvability and Stability Conditions for the Power Flow equation of DC Microgrid under Master-Slave Control. , 2022, , .		0