Zhangjie Liu

List of Publications by Year
in descending order

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46 papers	940 citations	516710 16 h-index	454955 30 g-index
49 all docs	49 docs citations	49 times ranked	770 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	Feasible Power-Flow Solution Analysis of DC Microgrid Considering Distributed Generations Under MPPT Control. IEEE Transactions on Smart Grid, 2022, 13, 139-148.	9.0	10
5	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
6	Power Oscillation Suppression of Multi-VSG Grid via Decentralized Mutual Damping Control. IEEE Transactions on Industrial Electronics, 2022, 69, 10202-10214.	7.9	11
7	Short-term wind power interval prediction method using VMD-RFG and Att-GRU. Energy, 2022, 251, 123807.	8.8	29
8	Decentralized Control Strategies in Grid-Connected Mode. Power Systems, 2022, , 195-224.	0.5	0
9	Unified Grid-Connected and Islanded Operation. Power Systems, 2022, , 247-275.	0.5	0
10	Decentralized Method for Islanded Operation Mode. Power Systems, 2022, , 139-148.	0.5	0
11	Power Oscillation Suppression in Multi-VSG Grid by Adaptive Virtual Impedance Control. IEEE Systems Journal, 2022, 16, 4744-4755.	4.6	12
12	Existence Conditions and Stability for the Power-Flow of DC Micro-Grids With CPLs. IEEE Transactions on Smart Grid, 2022, 13, 4284-4299.	9.0	1
13	Solvability and Stability Conditions for the Power Flow equation of DC Microgrid under Master-Slave Control. , 2022, , .		0
14	The Existence Condition for Power-Flow Considering Current Constraints and Control Objectives of DC Microgrids with CPLs under Distributed Control. , 2022, , .		1
15	A Decentralized SOC Balancing Method for Cascaded-Type Energy Storage Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 2321-2333.	7.9	26
16	A Completely Distributed Economic Dispatching Strategy Considering Capacity Constraints. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 210-221.	3.6	3
17	Solvability Condition of Power-Flow considering current constraints of DGs of DC Microgrids with CPLs. , 2021, , .		0
18	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

#	Article	IF	Citations
19	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
20	An Adaptive Distributed Consensus Control for Air Balancing of HVAC Systems. , 2020, , .		0
21	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
22	Feasible Power-Flow Solution Analysis of DC Microgrids Under Droop Control. IEEE Transactions on Smart Grid, 2020, 11, 2771-2781.	9.0	23
23	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
24	Power factor angle consistency control for decentralised power sharing in cascadedâ€type microgrid. IET Generation, Transmission and Distribution, 2019, 13, 850-857.	2.5	9
25	Wind Power Short-Term Prediction Based on LSTM and Discrete Wavelet Transform. Applied Sciences (Switzerland), 2019, 9, 1108.	2.5	155
26	Stabilization Method Considering Disturbance Mitigation for DC Microgrids with Constant Power Loads. Energies, 2019, 12, 873.	3.1	10
27	A series-parallel PV-storage independent microgrid and its decentralized control. International Transactions on Electrical Energy Systems, 2019, 29, e2715.	1.9	2
28	A Decentralized Control With Unique Equilibrium Point for Cascaded-Type Microgrid. IEEE Transactions on Sustainable Energy, 2019, 10, 324-326.	8.8	25
29	A fully decentralized control of grid-connected cascaded inverters. IEEE Transactions on Sustainable Energy, 2019, 10, 315-317.	8.8	68
30	Stability analysis of DC microgrids with constant power load under distributed control methods. Automatica, 2018, 90, 62-72.	5.0	78
31	Stability Analysis and Stabilization Methods of DC Microgrid With Multiple Parallel-Connected DCâ€“DC Converters Loaded by CPLs. IEEE Transactions on Smart Grid, 2018, 9, 132-142.	9.0	181
32	A Cost-Effective Decentralized Control for AC-Stacked Photovoltaic Inverters. Energies, 2018, 11, 2262.	3.1	2
33	A unified distributed control scheme on cost optimization for hybrid AC/DC microgrid. , 2018, , .		3
34	A Communication-Free Decentralized Control for Grid-Connected Cascaded PV Inverters. Energies, 2018, 11, 1375.	3.1	12
35	Existence and Stability of Equilibrium of DC Microgrid With Constant Power Loads. IEEE Transactions on Power Systems, 2018, 33, 6999-7010.	6.5	52
36	A Distributed Secondary Control Algorithm for Automatic Generation Control Considering EDP and Automatic Voltage Control in an AC Microgrid. Energies, 2018, 11, 932.	3.1	3

#	Article	IF	Citations
37	A General Decentralized Control Scheme for Medium-/High-Voltage Cascaded STATCOM. IEEE Transactions on Power Systems, 2018, 33, 7296-7300.	6.5	21
38	Stabilization methods of DC Microgrid with distributed control considering communication delay. , 2017, , .		0
39	Design criteria for parallel connected-buck converters in DC microgrid loaded by CPLs. , 2017, , .		0
40	Decentralized economical-sharing scheme for cascaded AC microgrids. , 2017, , .		2
41	Optimal decentralized economical-sharing criterion and scheme for AC microgrids. , 2017, , .		1
42	A distributed cooperative control strategy for improving dynamic response of AC microgrid. , 2017, , .		0
43	Distributed control scheme on cost optimisation under communication delays for DC microgrids. IET Generation, Transmission and Distribution, 2017, 11, 4193-4201.	2.5	35
44	Delay-dependent stability analysis of DC microgrid with distributed control considering communication delay. , 2017, , .		4
45	A stabilization method of LC input filter in DC microgrids feeding constant power loads. , 2017, , .		3
46	A distributed control scheme with cost optimization and capacity constraints. , 2017, , .		3