Zhanqiang Zhang

List of Publications by Year
in descending order

		567281	526287
35	720	15	27
papers	citations	h-index	g-index

36	36	36	653
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distributed Cooperative Control Based on Multiagent System for Islanded Microgrids With Switching Topology and Channel Interruption. IEEE Systems Journal, 2022, 16, 362-373.	4.6	11
2	Predictive Voltage Hierarchical Controller Design for Islanded Microgrids Under Limited Communication. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 933-945.	5.4	51
3	Attack-Defense Evolutionary Game Strategy for Uploading Channel in Consensus-Based Secondary Control of Islanded Microgrid Considering DoS Attack. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 821-834.	5.4	17
4	Event-Triggered Hybrid Voltage Regulation With Required BESS Sizing in High-PV-Penetration Networks. IEEE Transactions on Smart Grid, 2022, 13, 2614-2626.	9.0	18
5	Delay-Tolerant Predictive Power Compensation Control for Photovoltaic Voltage Regulation. IEEE Transactions on Industrial Informatics, 2021, 17, 4545-4554.	11.3	55
6	High-economic PV power compensation algorithm to mitigate voltage rise with minimal curtailment. International Journal of Electrical Power and Energy Systems, 2021, 125, 106401.	5.5	11
7	A Packet Loss-Dependent Event-Triggered Cyber-Physical Cooperative Control Strategy for Islanded Microgrid. IEEE Transactions on Cybernetics, 2021, 51, 267-282.	9.5	29
8	Finiteâ€time consensus for frequency and voltage restoration in microgird under communication interruptions. International Transactions on Electrical Energy Systems, 2021, 31, e12830.	1.9	3
9	Cyber-physical cooperative response strategy for consensus-based hierarchical control in micro-grid facing with communication interruption. International Journal of Electrical Power and Energy Systems, 2020, 114, 105405.	5.5	11
10	Photovoltaic Voltage Regulation through Distributed Power Compensation Considering Communication Delay. Advanced Theory and Simulations, 2020, 3, 1900148.	2.8	4
11	A Cyber-Physical Cooperative Hierarchical Control Strategy for Islanded Microgrid Facing With Random Communication Failure. IEEE Systems Journal, 2020, 14, 2849-2860.	4.6	17
12	MAS-Based Decentralized Coordinated Control Strategy in a Micro-Grid with Multiple Microsources. Energies, 2020, 13, 2141.	3.1	8
13	Steady-State Voltage Regulation With Reduced Photovoltaic Power Curtailment. IEEE Journal of Photovoltaics, 2020, 10, 1853-1863.	2.5	16
14	Distributed cooperative control method based on network topology optimisation in microgrid cluster. IET Renewable Power Generation, 2020, 14, 939-947.	3.1	11
15	An IGAP-RBFNN-based secondary control strategy for islanded microgrid-cyber physical system considering data uploading interruption problem. Neurocomputing, 2020, 397, 422-437.	5.9	3
16	Neighbor-prediction-based networked hierarchical control in islanded microgrids. International Journal of Electrical Power and Energy Systems, 2019, 104, 734-743.	5.5	14
17	An Event-Triggered Secondary Control Strategy With Network Delay in Islanded Microgrids. IEEE Systems Journal, 2019, 13, 1851-1860.	4.6	46
18	Cyber-physical cooperative control strategy for islanded micro-grid considering communication interruption. International Transactions on Electrical Energy Systems, 2019, 29, e2695.	1.9	7

#	Article	IF	Citations
19	Consensus-based economic hierarchical control strategy for islanded MG considering communication path reconstruction. Journal of the Franklin Institute, 2019, 356, 9043-9075.	3.4	5
20	Multi-Agent-System-Based Bi-level Bidding Strategy of Microgrid with Game Theory in the Electricity Market. Electric Power Components and Systems, 2019, 47, 703-719.	1.8	8
21	Voltage Distributed Cooperative Control Considering Communication Security in Photovoltaic Power System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1592-1600.	9.3	16
22	Highâ€accuracy voltage regulation method for PV distribution systems. Electronics Letters, 2019, 55, 615-617.	1.0	3
23	MAS-Based Distributed Cooperative Control for DC Microgrid Through Switching Topology Communication Network With Time-Varying Delays. IEEE Systems Journal, 2019, 13, 615-624.	4.6	66
24	A Networked Control Scheme of Residential Microgrid for China Remote Areas. , 2018, , .		0
25	A Novel Consensus-based Secondary Control Strategy for Isolated Microgrid Facing with Communication Interruption. , 2018, , .		2
26	Response hierarchical control strategy of communication data disturbance in microâ€grid under the concept of cyber physical system. IET Generation, Transmission and Distribution, 2018, 12, 5867-5878.	2.5	14
27	A decentralized control method for frequency restoration and accurate reactive power sharing in islanded microgrids. Journal of the Franklin Institute, 2018, 355, 8874-8890.	3.4	18
28	A novel hierarchical control strategy combined with sliding mode control and consensus control for islanded microâ€grid. IET Renewable Power Generation, 2018, 12, 1012-1024.	3.1	19
29	Hybrid model for renewable energy and loads prediction based on data mining and variational mode decomposition. IET Generation, Transmission and Distribution, 2018, 12, 2642-2649.	2.5	33
30	MAS-Based Hierarchical Distributed Coordinate Control Strategy of Virtual Power Source Voltage in Low-Voltage Microgrid. IEEE Access, 2017, 5, 11381-11390.	4.2	36
31	Hierarchical Delay-Dependent Distributed Coordinated Control for DC Ring-Bus Microgrids. IEEE Access, 2017, 5, 10130-10140.	4.2	25
32	Improved droop control based on virtual impedance and virtual power source in lowâ€voltage microgrid. IET Generation, Transmission and Distribution, 2017, 11, 1046-1054.	2.5	134
33	The hierarchical control strategy based on the concept of cyber physical system for islanded micro-grid with communication data disturbance. , 2017, , .		0
34	A novel voltage event-triggered hierarchical control strategy in low-voltage microgrid. , 2017, , .		0
35	An Improved Droop Control Strategy Based on Changeable Reference in Low-Voltage Microgrids. Energies, 2017, 10, 1080.	3.1	8