

# Zhanqiang Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

720  
citations

567281

15  
h-index

526287

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved droop control based on virtual impedance and virtual power source in low-voltage microgrid. IET Generation, Transmission and Distribution, 2017, 11, 1046-1054.	2.5	134
2	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
3	Delay-Tolerant Predictive Power Compensation Control for Photovoltaic Voltage Regulation. IEEE Transactions on Industrial Informatics, 2021, 17, 4545-4554.	11.3	55
4	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
5	An Event-Triggered Secondary Control Strategy With Network Delay in Islanded Microgrids. IEEE Systems Journal, 2019, 13, 1851-1860.	4.6	46
6	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
7	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
8	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
9	Hierarchical Delay-Dependent Distributed Coordinated Control for DC Ring-Bus Microgrids. IEEE Access, 2017, 5, 10130-10140.	4.2	25
10	A novel hierarchical control strategy combined with sliding mode control and consensus control for islanded microgrid. IET Renewable Power Generation, 2018, 12, 1012-1024.	3.1	19
11	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
12	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
13	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
14	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
15	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
16	Steady-State Voltage Regulation With Reduced Photovoltaic Power Curtailment. IEEE Journal of Photovoltaics, 2020, 10, 1853-1863.	2.5	16
17	Response hierarchical control strategy of communication data disturbance in microgrid under the concept of cyber physical system. IET Generation, Transmission and Distribution, 2018, 12, 5867-5878.	2.5	14
18	Neighbor-prediction-based networked hierarchical control in islanded microgrids. International Journal of Electrical Power and Energy Systems, 2019, 104, 734-743.	5.5	14

#	ARTICLE	IF	CITATIONS
19	Cyber-physical cooperative response strategy for consensus-based hierarchical control in micro-grid facing with communication interruption. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 114, 105405.	5.5	11
20	Distributed cooperative control method based on network topology optimisation in microgrid cluster. <i>IET Renewable Power Generation</i> , 2020, 14, 939-947.	3.1	11
21	Distributed Cooperative Control Based on Multiagent System for Islanded Microgrids With Switching Topology and Channel Interruption. <i>IEEE Systems Journal</i> , 2022, 16, 362-373.	4.6	11
22	High-economic PV power compensation algorithm to mitigate voltage rise with minimal curtailment. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 125, 106401.	5.5	11
23	An Improved Droop Control Strategy Based on Changeable Reference in Low-Voltage Microgrids. <i>Energies</i> , 2017, 10, 1080.	3.1	8
24	Multi-Agent-System-Based Bi-level Bidding Strategy of Microgrid with Game Theory in the Electricity Market. <i>Electric Power Components and Systems</i> , 2019, 47, 703-719.	1.8	8
25	MAS-Based Decentralized Coordinated Control Strategy in a Micro-Grid with Multiple Microsources. <i>Energies</i> , 2020, 13, 2141.	3.1	8
26	Cyber-physical cooperative control strategy for islanded micro-grid considering communication interruption. <i>International Transactions on Electrical Energy Systems</i> , 2019, 29, e2695.	1.9	7
27	Consensus-based economic hierarchical control strategy for islanded MG considering communication path reconstruction. <i>Journal of the Franklin Institute</i> , 2019, 356, 9043-9075.	3.4	5
28	Photovoltaic Voltage Regulation through Distributed Power Compensation Considering Communication Delay. <i>Advanced Theory and Simulations</i> , 2020, 3, 1900148.	2.8	4
29	High-accuracy voltage regulation method for PV distribution systems. <i>Electronics Letters</i> , 2019, 55, 615-617.	1.0	3
30	An IGAP-RBFNN-based secondary control strategy for islanded microgrid-cyber physical system considering data uploading interruption problem. <i>Neurocomputing</i> , 2020, 397, 422-437.	5.9	3
31	Finite-time consensus for frequency and voltage restoration in microgrid under communication interruptions. <i>International Transactions on Electrical Energy Systems</i> , 2021, 31, e12830.	1.9	3
32	A Novel Consensus-based Secondary Control Strategy for Isolated Microgrid Facing with Communication Interruption. , 2018, , .		2
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	A Networked Control Scheme of Residential Microgrid for China Remote Areas. , 2018, , .		0