

# Jingang Lai

## List of Publications by Year in descending order

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68  
papers

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257450

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docs citations

68  
times ranked

1636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resilient Distributed Multiagent Control for AC Microgrid Networks Subject to Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 43-53.	9.3	32
2	Master-Slave Cooperation for Multi-DC-MGs via Variable Cyber Networks. IEEE Transactions on Cybernetics, 2022, 52, 8425-8438.	9.5	12
3	A Novel Category-Specific Pricing Strategy for Demand Response in Microgrids. IEEE Transactions on Sustainable Energy, 2022, 13, 182-195.	8.8	14
4	A Novel Secondary Power Management Strategy for Multiple AC Microgrids With Cluster-Oriented Two-Layer Cooperative Framework. IEEE Transactions on Industrial Informatics, 2021, 17, 1483-1495.	11.3	43
5	Nonlinear Mean-Square Power Sharing Control for AC Microgrids Under Distributed Event Detection. IEEE Transactions on Industrial Informatics, 2021, 17, 219-229.	11.3	61
6	Two-Layer Cooperative Control for Multiple Converter-Network Clusters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 682-686.	3.0	7
7	Resilient Distributed Voltage Synchronization of CI Networks Under Denial of Service Attacks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2052-2056.	3.0	7
8	Frequency Synchronization and Power Optimization for Microgrids With Battery Energy Storage Systems. IEEE Transactions on Control Systems Technology, 2021, 29, 2247-2254.	5.2	7
9	Communication Constraints for Distributed Secondary Control of Heterogeneous Microgrids: A Survey. IEEE Transactions on Industry Applications, 2021, 57, 5636-5648.	4.9	25
10	Optimal Bidding Strategy of DER Aggregator Considering Dual Uncertainty via Information Gap Decision Theory. IEEE Transactions on Industry Applications, 2021, 57, 158-169.	4.9	46
11	Bilevel Information-Aware Distributed Resilient Control for Heterogeneous Microgrid Clusters. IEEE Transactions on Industry Applications, 2021, 57, 2014-2022.	4.9	9
12	Optimal Bidding Strategy of Demand Response Aggregator Based On Customers' Responsiveness Behaviors Modeling Under Different Incentives. IEEE Transactions on Industry Applications, 2021, 57, 3329-3340.	4.9	46
13	Distributed Optimal Synchronization Rate Control for AC Microgrids Under Event-Triggered Mechanism. IEEE Transactions on Power Systems, 2021, 36, 1780-1793.	6.5	14
14	Distributed Voltage Regulation for Cyber-Physical Microgrids With Coupling Delays and Slow Switching Topologies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 100-110.	9.3	80
15	Suppression strategy of short-term and long-term environmental disturbances for maritime photovoltaic system. Applied Energy, 2020, 259, 114183.	10.1	22
16	Stochastic Distributed Pinning Control for Co-Multi-Inverter Networks With a Virtual Leader. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2094-2098.	3.0	26
17	Distributed Cluster Cooperation for Multiple DC MGs Over Two-Layer Switching Topologies. IEEE Transactions on Smart Grid, 2020, 11, 4676-4687.	9.0	23
18	Smart Households' Aggregated Capacity Forecasting for Load Aggregators Under Incentive-Based Demand Response Programs. IEEE Transactions on Industry Applications, 2020, 56, 1086-1097.	4.9	147

#	ARTICLE	IF	CITATIONS
19	Robust self-consistent control of PV-battery-based microgrids without continuous communication. International Journal of Electrical Power and Energy Systems, 2020, 119, 105900.	5.5	13
20	Event-Driven Distributed Active and Reactive Power Dispatch for CCVSI-Based Distributed Generators in AC Microgrids. IEEE Transactions on Industry Applications, 2020, 56, 3125-3136.	4.9	24
21	Stochastic Distributed Secondary Control for AC Microgrids via Event-Triggered Communication. IEEE Transactions on Smart Grid, 2020, 11, 2746-2759.	9.0	114
22	Phase Synchronization Stability of Non-Homogeneous Low-Voltage Distribution Networks with Large-Scale Distributed Generations. Energies, 2020, 13, 1257.	3.1	1
23	Distributed secondary voltage control for autonomous microgrids under additive measurement noises and time delays. IET Generation, Transmission and Distribution, 2019, 13, 2976-2985.	2.5	19
24	Robustness-oriented distributed cooperative control for ac microgrids under complex environments. IET Control Theory and Applications, 2019, 13, 1473-1482.	2.1	6
25	A Knowledge based Multi-objective Optimization Strategy for Microgrid Environmental/Economic Scheduling problems. Energy Procedia, 2019, 158, 2942-2947.	1.8	1
26	Stochastic Distributed Frequency and Load Sharing Control for Microgrids With Communication Delays. IEEE Systems Journal, 2019, 13, 4269-4280.	4.6	54
27	Cluster-Oriented Distributed Cooperative Control for Multiple AC Microgrids. IEEE Transactions on Industrial Informatics, 2019, 15, 5906-5918.	11.3	104
28	Broadcast Gossip Algorithms for Distributed Peer-to-Peer Control in AC Microgrids. IEEE Transactions on Industry Applications, 2019, 55, 2241-2251.	4.9	72
29	Distributed Robust Power Flow Control for Photovoltaic Generators Over LV Microgrids with Limited Communication Bandwidth. , 2019, , .		0
30	Smart Households' Available Aggregated Capacity Day-ahead Forecast Model for Load Aggregators under Incentive-based Demand Response Program. , 2019, , .		7
31	Agent-Based Voltage Regulation Scheme for Active Distributed Networks under Distributed Quantized Communication. , 2019, , .		1
32	Distributed Event-Driven Power Sharing Control for CCVSI-Based Distributed Generators in AC Islanded Microgrids. , 2019, , .		1
33	Impact of core-periphery structure on cascading failures in interdependent scale-free networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 607-616.	2.1	14
34	Distributed Multi-DER Cooperative Control for Master-Slave-Organized Microgrid Networks With Limited Communication Bandwidth. IEEE Transactions on Industrial Informatics, 2019, 15, 3443-3456.	11.3	105
35	Delay-tolerant distributed voltage control for multiple smart loads in AC microgrids. ISA Transactions, 2019, 86, 181-191.	5.7	20
36	Natural Frequency Optimization of Wireless Power Systems on Power Transmission Lines. IEEE Access, 2018, 6, 14038-14047.	4.2	21

#	ARTICLE	IF	CITATIONS
37	Modular Web-Based Interactive Hybrid Laboratory Framework for Research and Education. IEEE Access, 2018, 6, 20152-20163.	4.2	26
38	A Novel Distributed Secondary Coordination Control Approach for Islanded Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 2726-2740.	9.0	169
39	Modeling and Synchronization Stability of Low-Voltage Active Distribution Networks With Large-Scale Distributed Generations. IEEE Access, 2018, 6, 70989-71002.	4.2	13
40	Finite-Time Distributed Demand-Side Voltage Control of Droop-Like-Controlled Microgrids. , 2018, , .		0
41	Consensus-Based Distributed Event-Triggered Communication Control for AC Microgrids. , 2018, , .		5
42	Modeling and Decoupled Control of Inductive Power Transfer to Implement Constant Current/Voltage Charging and ZVS Operating for Electric Vehicles. IEEE Access, 2018, 6, 59917-59928.	4.2	30
43	Distributed Power Sharing Control for Low-voltage Microgrids Through Multiagent Networks Subject to Disturbances. , 2018, , .		1
44	Distributed Multiagent-Oriented Average Control for Voltage Restoration and Reactive Power Sharing of Autonomous Microgrids. IEEE Access, 2018, 6, 25551-25561.	4.2	33
45	A novel optimal energy-management strategy for a maritime hybrid energy system based on large-scale global optimization. Applied Energy, 2018, 228, 254-264.	10.1	109
46	Noise-resilient distributed frequency control for droop-controlled renewable microgrids. , 2018, , .		3
47	Capacitive power transfer through virtual self- $\epsilon$ capacitance route. IET Power Electronics, 2018, 11, 1110-1118.	2.1	14
48	Affine nonlinear control for an ultra-supercritical coal fired once-through boiler-turbine unit. Energy, 2018, 153, 638-649.	8.8	33
49	Finite-Time Control for Robust Tracking Consensus in MASs With an Uncertain Leader. IEEE Transactions on Cybernetics, 2017, 47, 1210-1223.	9.5	49
50	Distributed Secondary Voltage and Frequency Control for Islanded Microgrids With Uncertain Communication Links. IEEE Transactions on Industrial Informatics, 2017, 13, 448-460.	11.3	233
51	Robust distributed cooperative control for DC microgrids with time delays, noise disturbances, and switching topologies. Journal of the Franklin Institute, 2017, 354, 8312-8332.	3.4	15
52	Gossip-based distributed active load voltage control for low-voltage microgrids. , 2017, , .		3
53	Cyber-physical aspects of hierarchical control for co-multi-microgrids in the energy Internet. , 2017, , .		2
54	A novel capacitive power system with a single coupling capacitor. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
55	Distributed voltage control for DC microgrids with coupling delays & noisy disturbances. , 2017, , .		4
56	Real-time implementation of affine nonlinear optimal control for SMIB system. International Journal of Industrial and Systems Engineering, 2017, 25, 182.	0.2	0
57	A Hybrid Constraints Handling Strategy for Multiconstrained Multiobjective Optimization Problem of Microgrid Economical/Environmental Dispatch. Complexity, 2017, 2017, 1-12.	1.6	18
58	Droop-Based Distributed Cooperative Control for Microgrids With Time-Varying Delays. IEEE Transactions on Smart Grid, 2016, 7, 1775-1789.	9.0	268
59	Distributed impulsive control for islanded microgrids with variable communication delays. IET Control Theory and Applications, 2016, 10, 1732-1739.	2.1	48
60	Networked-based distributed cooperative voltage control for power electronics interfaced microgrids. , 2016, , .		2
61	Distributed power control for DERs based on networked multiagent systems with communication delays. Neurocomputing, 2016, 179, 135-143.	5.9	39
62	A New Adaptive Fuzzy PID Control Method and Its Application in FCBTM. International Journal of Computers, Communications and Control, 2016, 11, 394.	1.8	5
63	Smart Demand Response Based on Smart Homes. Mathematical Problems in Engineering, 2015, 2015, 1-8.	1.1	8
64	Synchronization of Hybrid Microgrids with Communication Latency. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	20
65	Formation Tracking for Nonlinear Multi-Agent Systems with Delays and Noise Disturbance. Asian Journal of Control, 2015, 17, 879-891.	3.0	14
66	Self-tuning fuzzy control for Flexible Circuit Board testing machine. , 2014, , .		0
67	Demand-Side Energy Management: FTTH-based mode for Smart homes. , 2014, , .		5
68	Tracking consensus of nonlinear MASs with asymmetric communication delays in noisy environments. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 2334-2344.	3.3	13