Mingxi Liu

List of Publications by Year
in descending order

31	1,342	759233	794594
papers	citations	12	19
		h-index	g-index

36	36	36	1358
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Encrypted Decentralized Multi-Agent Optimization for Privacy Preservation in Cyber-Physical Systems. IEEE Transactions on Industrial Informatics, 2023, 19, 750-761.	11.3	9
2	Privacy-Preserving Distributed Multi-Agent Cooperative Optimization—Paradigm Design and Privacy Analysis. , 2022, 6, 824-829.		9
3	Two-Facet Scalable Cooperative Optimization of Multi-Agent Systems in the Networked Environment. IEEE Transactions on Control Systems Technology, 2022, 30, 2317-2332.	5.2	9
4	Distributed privacy-preserving electric vehicle charging control based on secret sharing. Electric Power Systems Research, 2022, 211, 108357.	3.6	6
5	A Novel Cryptography-Based Privacy-Preserving Decentralized Optimization Paradigm. , 2021, , .		1
6	Infrastructure enabled and electrified automation: Charging facility planning for cleaner smart mobility. Transportation Research, Part D: Transport and Environment, 2021, 101, 103079.	6.8	8
7	A Supervisory Model Predictive Control Framework for Dual Temperature Setpoint Optimization. , 2020, , .		0
8	An improved Shapley value-based profit allocation method for CHP-VPP. Energy, 2020, 213, 118805.	8.8	41
9	Decentralized Electric Vehicle Charging Control via a Novel Shrunken Primal-Multi-Dual Subgradient (SPMDS) Algorithm. , 2020, , .		4
10	Privacy-Preserving Decentralized Optimization Using Homomorphic Encryption. IFAC-PapersOnLine, 2020, 53, 630-633.	0.9	0
11	Trajectory Tracking With an Aggregation of Domestic Hot Water Heaters: Combining Model-Based and Model-Free Control in a Commercial Deployment. IEEE Transactions on Smart Grid, 2019, 10, 5686-5695.	9.0	31
12	Chance-Constrained SPDS-Based Decentralized Control of Distributed Energy Resources. , 2019, , .		2
13	Chance-Constrained Shrunken-Primal-Dual Subgradient (CC-SPDS) Approach for Decentralized Electric Vehicle Charging Control. , 2019, , .		1
14	Decentralized Charging Control of Electric Vehicles in Residential Distribution Networks. IEEE Transactions on Control Systems Technology, 2019, 27, 266-281.	5.2	102
15	Event triggered model predictive control: A less conservative result. Journal of the Franklin Institute, 2018, 355, 9053-9071.	3.4	8
16	Customer-and Network-Aware Decentralized EV Charging Control. , 2018, , .		3
17	Electric vehicle charging control in residential distribution network: A decentralized event-driven realization. , 2017, , .		11
18	Aggregation and Charging Control of PHEVs in Smart Grid: A Cyber–Physical Perspective. Proceedings of the IEEE, 2016, 104, 1071-1085.	21.3	30

#	Article	IF	Citations
19	Model Predictive Control for Thermostatically Controlled Appliances Providing Balancing Service. IEEE Transactions on Control Systems Technology, 2016, 24, 2082-2093.	5.2	35
20	Model Predictive Control of Aggregated Heterogeneous Second-Order Thermostatically Controlled Loads for Ancillary Services. IEEE Transactions on Power Systems, 2016, 31, 1963-1971.	6.5	115
21	Distributed MPC of Aggregated Heterogeneous Thermostatically Controlled Loads in Smart Grid. IEEE Transactions on Industrial Electronics, 2016, 63, 1120-1129.	7.9	89
22	Load Forecasting and Operation Strategy Design for CCHP Systems Using Forecasted Loads. IEEE Transactions on Control Systems Technology, 2015, 23, 1672-1684.	5.2	31
23	Optimal control of aggregated heterogeneous thermostatically controlled loads for regulation services. , 2015, , .		4
24	Tâ€"S fuzzy-model-based and filtering for networked control systems with two-channel Markovian random delays. , 2014, 27, 167-174.		29
25	Combined cooling, heating and power systems: A survey. Renewable and Sustainable Energy Reviews, 2014, 35, 1-22.	16.4	284
26	Extended LMI representatives for stability and stabilization of discreteâ€time Takagiâ€Sugeno fuzzy systems. Optimal Control Applications and Methods, 2014, 35, 647-655.	2.1	5
27	Distributed model predictive control of thermostatically controlled appliances for providing balancing service. , 2014, , .		7
28	${cal H}_{infty}$ Step Tracking Control for Networked Discrete-Time Nonlinear Systems With Integral and Predictive Actions. IEEE Transactions on Industrial Informatics, 2013, 9, 337-345.	11.3	174
29	Optimal power flow and PGU capacity of CCHP systems using a matrix modeling approach. Applied Energy, 2013, 102, 794-802.	10.1	100
30	H âˆž Switched Filtering for Networked Systems Based on Delay Occurrence Probabilities1. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, .	1.6	8
31	A new operation strategy for CCHP systems with hybrid chillers. Applied Energy, 2012, 95, 164-173.	10.1	180