

Runfan Zhang

List of Publications by Year in descending order

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papers

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citations

759233

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708
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional order Lyapunov stability theorem and its applications in synchronization of complex dynamical networks. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 4105-4121.	3.3	136
2	Distributed Finite-Time Multiagent Control for DC Microgrids With Time Delays. IEEE Transactions on Smart Grid, 2019, 10, 2692-2701.	9.0	94
3	Chaotic synchronization and anti-synchronization for a novel class of multiple chaotic systems via a sliding mode control scheme. Nonlinear Dynamics, 2012, 69, 35-55.	5.2	92
4	Synchronization between integer-order chaotic systems and a class of fractional-order chaotic system based on fuzzy sliding mode control. Nonlinear Dynamics, 2012, 70, 1549-1561.	5.2	67
5	Synchronization between integer-order chaotic systems and a class of fractional-order chaotic systems via sliding mode control. Chaos, 2012, 22, 023130.	2.5	66
6	Nonlinear Sliding Mode and Distributed Control of Battery Energy Storage and Photovoltaic Systems in AC Microgrids With Communication Delays. IEEE Transactions on Industrial Informatics, 2019, 15, 5149-5160.	11.3	61
7	Distributed Dynamic Clustering Algorithm for Formation of Heterogeneous Virtual Power Plants Based on Power Requirements. IEEE Transactions on Smart Grid, 2021, 12, 192-204.	9.0	38
8	Distributed Control With Virtual Capacitance for the Voltage Restorations, State of Charge Balancing, and Load Allocations of Heterogeneous Energy Storages in a DC Datacenter Microgrid. IEEE Transactions on Energy Conversion, 2019, 34, 1296-1308.	5.2	31
9	Distributed Control System With Aperiodic Sampled Time-Delayed Data for Batteries and Renewable Energy Sources in Microgrid. IEEE Transactions on Sustainable Energy, 2020, 11, 1013-1022.	8.8	24
10	Nonlinear Predictive Control of a Hydropower System Model. Entropy, 2015, 17, 6129-6149.	2.2	19
11	Nonlinear fuzzy predictive control of hydroelectric system. IET Generation, Transmission and Distribution, 2017, 11, 1966-1975.	2.5	17
12	Synchronization and anti-synchronization of fractional dynamical networks. JVC/Journal of Vibration and Control, 2015, 21, 3383-3402.	2.6	14
13	Dynamic Aggregation of Energy Storage Systems Into Virtual Power Plants Using Distributed Real-Time Clustering Algorithm. IEEE Transactions on Industrial Electronics, 2021, 68, 11002-11013.	7.9	14
14	Centralized nonlinear switching control strategy for distributed energy storage systems communicating via a network with large time delays. Journal of Energy Storage, 2021, 41, 102834.	8.1	10
15	Cooperative control of distributed heterogeneous energy storage devices with virtual impedance. , 2017, , .		5
16	Distributed Control for Microgrid Batteries Communicating over Network with Aperiodically Sampled Data with Time Delays. , 2019, , .		0
17	Bi-level Control Structure with Accurate Real and Reactive Powers Sharing for Low Voltage Microgrids with Highly Resistive Line Impedances. , 2020, , .		0