Lei Ding

List of Publications by Year
in descending order

42	4,448	304602 22	454834 30
papers	citations	h-index	g-index

44	44	44	2593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Overview of Recent Advances in Event-Triggered Consensus of Multiagent Systems. IEEE Transactions on Cybernetics, 2018, 48, 1110-1123.	6.2	820
2	A distributed event-triggered transmission strategy for sampled-data consensus of multi-agent systems. Automatica, 2014, 50, 1489-1496.	3.0	609
3	Network-based leader-following consensus for distributed multi-agent systems. Automatica, 2013, 49, 2281-2286.	3.0	331
4	Distributed Event-Triggered Estimation Over Sensor Networks: A Survey. IEEE Transactions on Cybernetics, 2020, 50, 1306-1320.	6.2	322
5	Dynamic Event-Triggered Distributed Coordination Control and its Applications: A Survey of Trends and Techniques. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3112-3125.	5.9	318
6	Networked control systems: a survey of trends and techniques. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 1-17.	8.5	258
7	Resilient Control Design Based on a Sampled-Data Model for a Class of Networked Control Systems Under Denial-of-Service Attacks. IEEE Transactions on Cybernetics, 2020, 50, 3616-3626.	6.2	258
8	Distributed Secondary Control for Active Power Sharing and Frequency Regulation in Islanded Microgrids Using an Event-Triggered Communication Mechanism. IEEE Transactions on Industrial Informatics, 2019, 15, 3910-3922.	7.2	238
9	Distributed Cooperative Optimal Control of DC Microgrids With Communication Delays. IEEE Transactions on Industrial Informatics, 2018, 14, 3924-3935.	7.2	214
10	Distributed Resilient Finite-Time Secondary Control for Heterogeneous Battery Energy Storage Systems Under Denial-of-Service Attacks. IEEE Transactions on Industrial Informatics, 2020, 16, 4909-4919.	7.2	148
11	Sampled-data leader-following consensus for nonlinear multi-agent systems with Markovian switching topologies and communication delay. Journal of the Franklin Institute, 2015, 352, 369-383.	1.9	121
12	Network-Based Practical Consensus of Heterogeneous Nonlinear Multiagent Systems. IEEE Transactions on Cybernetics, 2017, 47, 1841-1851.	6.2	111
13	Distributed Finite-Time Secondary Frequency and Voltage Control for Islanded Microgrids With Communication Delays and Switching Topologies. IEEE Transactions on Cybernetics, 2021, 51, 3988-3999.	6.2	108
14	Fault-Tolerant Cooperative Control of Multiagent Systems: A Survey of Trends and Methodologies. IEEE Transactions on Industrial Informatics, 2020, 16, 4-17.	7.2	105
15	Network-based practical set consensus of multi-agent systems subject to input saturation. Automatica, 2018, 89, 316-324.	3.0	92
16	Distributed event-triggered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0003.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mo>â^ž</mml:mo></mml:mrow></ consensus filtering in sensor networks. Signal Processing, 2015, 108, 365-375.	2.1	67
17	Consensus tracking in heterogeneous nonlinear multi-agent networks with asynchronous sampled-data communication. Systems and Control Letters, 2016, 96, 151-157.	1.3	64
18	Distributed Energy Management for Smart Grids With an Event-Triggered Communication Scheme. IEEE Transactions on Control Systems Technology, 2019, 27, 1950-1961.	3.2	58

#	Article	IF	Citations
19	Distributed Secondary Control of AC Microgrids With External Disturbances and Directed Communication Topologies: A Full-Order Sliding-Mode Approach. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 554-564.	8.5	38
20	Attack-Resilient Event-Triggered Fuzzy Interval Type-2 Filter Design for Networked Nonlinear Systems Under Sporadic Denial-of-Service Jamming Attacks. IEEE Transactions on Fuzzy Systems, 2022, 30, 190-204.	6.5	37
21	Guaranteed cost control of mobile sensor networks with Markov switching topologies. ISA Transactions, 2015, 58, 206-213.	3.1	31
22	Co-Estimation of State and FDI Attacks and Attack Compensation Control for Multi-Area Load Frequency Control Systems Under FDI and DoS Attacks. IEEE Transactions on Smart Grid, 2022, 13, 2357-2368.	6.2	28
23	Resilient Cooperative Control for High-Speed Trains Under Denial-of-Service Attacks. IEEE Transactions on Vehicular Technology, 2021, 70, 12427-12436.	3.9	17
24	Distributed Optimal Power and Voltage Management in DC Microgrids: Applications to Dual-Source Trolleybus Systems. IEEE Transactions on Transportation Electrification, 2018, 4, 778-788.	5.3	16
25	Event-triggered average consensus for mobile sensor networks under a given energy budget. Journal of the Franklin Institute, 2015, 352, 5646-5660.	1.9	14
26	Voltage Regulation With High Penetration of Low-Carbon Energy in Distribution Networks: A Sourceâ€“Gridâ€“Load-Collaboration-Based Perspective. IEEE Transactions on Industrial Informatics, 2022, 18, 3987-3999.	7.2	10
27	Distributed Nash Equilibrium Computation With Uncertain Dynamics and Disturbances. IEEE Transactions on Network Science and Engineering, 2022, 9, 1376-1385.	4.1	6
28	Network-based consensus of nonlinear multi-agent systems with Markovian switching topologies. , 2014, , .		3
29	Toward Smart Systems: Their Sensing and Control in Industrial Electronics and Applications. IEEE Industrial Electronics Magazine, 2021, 15, 104-114.	2.3	2
30	Sampled-data leader-following consensus of nonlinear multi-agent systems with communication delay. , 2013, , .		1
31	Distributed Secondary Control for Microgrids with Heterogeneous Battery Energy Storage Systems Under Switching Communication Topology. , 2019, , .		1
32	Special Issue on Event-Triggered Control and Filtering of Distributed Networked Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3108-3111.	5.9	1
33	Distributed Event-Triggered Secondary Control for Islanded Microgrids. Power Systems, 2022, , 49-72.	0.3	1
34	Consensus of Discrete-Time Second-Order Multi-Agent Systems with Partial Information Transmission. Applied Mechanics and Materials, 0, 457-458, 1069-1073.	0.2	0
35	Leader-following consensus in nonlinear multi-agent systems with nonidentical dynamics in networked environments. , 2016, , .		0
36	On network-based leader-following consensus of linear multi-agent systems. , 2017, , .		0

#	Article	IF	Citations
37	Distributed Optimization in DC Microgrids with Subsystem Dynamics. , 2019, , .		0
38	Special issue on recent advances in security and privacy-preserving techniques of distributed networked systems. Information Sciences, 2021, 545, 277-279.	4.0	0
39	Distributed Finite-Time Secondary Control for Islanded Microgrids. Power Systems, 2022, , 73-91.	0.3	0
40	Distributed Resilient Finite-Time Secondary Control for Heterogeneous BESSs. Power Systems, 2022, , 93-114.	0.3	0
41	Distributed Optimal Control of DC Microgrids with Communication Delays. Power Systems, 2022, , 115-136.	0.3	0
42	Sampled-Data-Based Event-Triggered Consensus of Multi-agent Systems. Power Systems, 2022, , 31-47.	0.3	0