Boda Ning

List of Publications by Year
in descending order

33 papers	2,335 citations	471509 17 h-index	713466 21 g-index
37 all docs	37 docs citations	37 times ranked	1545 citing authors

#	Article	IF	Citations
1	An Overview of Recent Advances in Fixed-Time Cooperative Control of Multiagent Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 2322-2334.	11.3	428
2	A survey on recent advances in distributed sampled-data cooperative control of multi-agent systems. Neurocomputing, 2018, 275, 1684-1701.	5.9	301
3	Practical fixed-time consensus for integrator-type multi-agent systems: A time base generator approach. Automatica, 2019, 105, 406-414.	5.0	206
4	Distributed Optimization for Multiagent Systems: An Edge-Based Fixed-Time Consensus Approach. IEEE Transactions on Cybernetics, 2019, 49, 122-132.	9.5	196
5	Collective Behaviors of Mobile Robots Beyond the Nearest Neighbor Rules With Switching Topology. IEEE Transactions on Cybernetics, 2018, 48, 1577-1590.	9.5	170
6	Prescribed Finite-Time Consensus Tracking for Multiagent Systems With Nonholonomic Chained-Form Dynamics. IEEE Transactions on Automatic Control, 2019, 64, 1686-1693.	5.7	169
7	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.	11.3	148
8	Bipartite Consensus Tracking for Second-Order Multiagent Systems: A Time-Varying Function-Based Preset-Time Approach. IEEE Transactions on Automatic Control, 2021, 66, 2739-2745.	5.7	124
9	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.	9.5	108
10	Fixed-Time Leader-Following Consensus for Multiple Wheeled Mobile Robots. IEEE Transactions on Cybernetics, 2020, 50, 4381-4392.	9.5	84
11	Finite-time and fixed-time leader-following consensus for multi-agent systems with discontinuous inherent dynamics. International Journal of Control, 2018, 91, 1259-1270.	1.9	81
12	Fixed-time consensus for multi-agent systems with discontinuous inherent dynamics over switching topology. International Journal of Systems Science, 2017, 48, 2023-2032.	5.5	48
13	An Explicit Estimate for the Upper Bound of the Settling Time in Fixed-Time Leader-Following Consensus of High-Order Multivariable Multiagent Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 6250-6259.	7.9	47
14	Distributed Fixed-Time Coordinated Tracking for Nonlinear Multi-Agent Systems Under Directed Graphs. Asian Journal of Control, 2018, 20, 646-658.	3.0	40
15	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.	13.1	38
16	Fixed-Time Cooperative Control of Multi-Agent Systems. , 2019, , .		34
17	Distributed Optimization of Multiagent Systems With Preserved Network Connectivity. IEEE Transactions on Cybernetics, 2019, 49, 3980-3990.	9.5	32
18	Finite-Time Bipartite Tracking Control for Double-Integrator Networked Systems With Cooperative and Antagonistic Interactions. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5223-5232.	5.4	22

#	Article	IF	Citations
19	Two-Stage Deployment Strategy for Wireless Robotic Networks via a Class of Interaction Models. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1510-1521.	9.3	16
20	Network-based filtering for positive systems with random communication delays and deception attacks. Neurocomputing, 2020, 400, 450-457.	5.9	15
21	Distributed fixed-time cooperative tracking control for multi-robot systems. , 2017, , .		6
22	Settling Time Estimation in Synchronization of Impulsive Networks With Switching Topologies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2386-2397.	9.3	6
23	Cooperative Control of Multirobot Systems Subject to Control Gain Uncertainty. IEEE Transactions on Industrial Informatics, 2023, 19, 5367-5376.	11.3	6
24	Connectivity control and performance optimization in Wireless Robotic Networks: Issues, approaches and a new framework. , 2014, , .		3
25	Focused ultrasound ablation using real time ultrasound image guidance. , 2011, , .		2
26	Minimizing network interference through mobility control in wireless robotic networks. , 2014, , .		2
27	Fixed-Time Stability and Stabilization. , 2019, , 17-44.		1
28	Fixed-Time Cooperative Control for First-Order Multi-Agent Systems. , 2019, , 45-58.		1
29	Distributed Optimization: An Edge-Based Fixed-Time Consensus Approach. , 2019, , 105-125.		0
30	Fixed-Time Cooperative Control forÂHigh-Order Multi-Agent Systems. , 2019, , 69-83.		0
31	Distributed Optimization with Preserved Network Connectivity. , 2019, , 127-151.		0
32	Distributed Finite-Time Secondary Control for Islanded Microgrids. Power Systems, 2022, , 73-91.	0.5	0
33	Distributed Resilient Finite-Time Secondary Control for Heterogeneous BESSs. Power Systems, 2022, , 93-114.	0.5	0