Shiming Chen

List of Publications by Year
in descending order

53 papers	1,029 citations	471509 17 h-index	434195 31 g-index
53 all docs	53 docs citations	53 times ranked	798 citing authors

#	Article	IF	Citations
1	Generating Multiple Chaotic Attractors from Sprott B System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650177.	1.7	136
2	Coexisting attractors generated from a new 4D smooth chaotic system. International Journal of Control, Automation and Systems, 2016, 14, 1124-1131.	2.7	77
3	Fully Distributed Scaled Consensus Tracking of High-Order Multiagent Systems With Time Delays and Disturbances. IEEE Transactions on Industrial Informatics, 2022, 18, 305-314.	11.3	76
4	Event-Triggered Guaranteed Cost Controller Design for T-S Fuzzy Markovian Jump Systems With Partly Unknown Transition Probabilities. IEEE Transactions on Fuzzy Systems, 2021, 29, 1052-1064.	9.8	69
5	Multitarget Tracking Control for Coupled Heterogeneous Inertial Agents Systems Based on Flocking Behavior. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2605-2611.	9.3	56
6	Soft humanâ€“machine interfaces: design, sensing and stimulation. International Journal of Intelligent Robotics and Applications, 2018, 2, 313-338.	2.8	55
7	Distributed <inline-formula> <tex-math notation="LaTeX">H_{infty} </tex-math> </inline-formula> Filtering for Switched Repeated Scalar Nonlinear Systems With Randomly Occurred Sensor Nonlinearities and Asynchronous Switching. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2263-2270.	9.3	50
8	Scaled Consensus of Second-Order Nonlinear Multiagent Systems With Time-Varying Delays via Aperiodically Intermittent Control. IEEE Transactions on Cybernetics, 2020, 50, 3503-3516.	9.5	50
9	Event-Triggered Sliding Mode Control of Switched Neural Networks With Mode-Dependent Average Dwell Time. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1233-1243.	9.3	43
10	A local flocking algorithm of multi-agent dynamic systems. International Journal of Control, 2015, 88, 2242-2249.	1.9	39
11	Observed-Based Asynchronous Control of Linear Semi-Markov Jump Systems With Time-Varying Mode Emission Probabilities. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3147-3151.	3.0	34
12	Extended dissipativity asynchronous static output feedback control of Markov jump systems. Information Sciences, 2020, 514, 275-287.	6.9	30
13	Multi-target consensus circle pursuit for multi-agent systems via a distributed multi-flocking method. International Journal of Systems Science, 2016, 47, 3741-3748.	5.5	27
14	H_{â^ž} Scaled Consensus for MASs With Mixed Time Delays and Disturbances via Observer-Based Output Feedback. IEEE Transactions on Cybernetics, 2022, 52, 1321-1334.	9.5	26
15	Observer-based event-triggered tracking consensus of non-ideal general linear multi-agent systems. Journal of the Franklin Institute, 2019, 356, 10355-10367.	3.4	21
16	Fuzzy-Dependent-Switching Control of Nonlinear Systems With Aperiodic Sampling. IEEE Transactions on Fuzzy Systems, 2021, 29, 3349-3359.	9.8	21
17	Consensus Tracking for Heterogeneous Interdependent Group Systems. IEEE Transactions on Cybernetics, 2020, 50, 1752-1760.	9.5	20
18	H_{â^ž} Control of Singular System Based on Stochastic Cyber-Attacks and Dynamic Event-Triggered Mechanism. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7510-7516.	9.3	18

#	Article	IF	Citations
19	Event-Triggered Consensus of Multiagent Systems With Time-Varying Communication Delay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2706-2720.	9.3	17
20	Sampledâ€data based resilient consensus of heterogeneous multiagent systems. International Journal of Robust and Nonlinear Control, 2020, 30, 7370-7381.	3.7	16
21	Sampled-Data Stabilization for Boolean Control Networks With Infinite Stochastic Sampling. IEEE Transactions on Cybernetics, 2022, 52, 333-343.	9.5	15
22	Semiâ€global edgeâ€consensus of linear discreteâ€time multiâ€agent systems with positive constraint and input saturation. IET Control Theory and Applications, 2019, 13, 979-987.	2.1	13
23	Leader-following scaled consensus of second-order multi-agent systems under directed topologies. International Journal of Systems Science, 2019, 50, 2604-2615.	5.5	11
24	Distributed event-triggered consensus control for leaderless heterogeneous multiagent systems. Journal of the Franklin Institute, 2020, 357, 3219-3234.	3.4	11
25	Percolation of edge-coupled interdependent networks. Physica A: Statistical Mechanics and Its Applications, 2021, 580, 126136.	2.6	10
26	Cooperative Output Regulation for Linear Multiagent Systems via Distributed Fixed-Time Event-Triggered Control. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 338-347.	11.3	10
27	Further Results on Dissipativity Analysis for Tâ€“S Fuzzy Systems Based on Sampled-Data Control. IEEE Transactions on Fuzzy Systems, 2023, 31, 660-668.	9.8	9
28	Consensus Tracking for High-Order Uncertain Nonlinear MASs via Adaptive Backstepping Approach. IEEE Transactions on Cybernetics, 2023, 53, 1248-1259.	9.5	8
29	Improved Stability Analysis Results of Generalized Neural Networks With Time-Varying Delays. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9404-9411.	11.3	8
30	Robustness of interdependent networks based on bond percolation. Europhysics Letters, 2020, 130, 38003.	2.0	5
31	Second-Order Consensus of Hybrid Multi-Agent Systems With Unknown Disturbances Via Sliding Mode Control. IEEE Access, 2020, 8, 34973-34980.	4.2	5
32	Modeling and stability analysis of social foraging swarms in multi-obstacle environment. Journal of Control Theory and Applications, 2006, 4, 343-348.	0.8	4
33	Finite-time dissipative control for networked control systems with hybrid-triggered scheme. Transactions of the Institute of Measurement and Control, 2021, 43, 891-901.	1.7	4
34	Inverse-Optimal Consensus Control of Fractional-Order Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5320-5331.	9.3	4
35	${H_infty }$ Consensus for Discrete-Time Fractional-Order Multi-Agent Systems With Disturbance via Q-Learning in Zero-Sum Games. IEEE Transactions on Network Science and Engineering, 2022, 9, 2803-2814.	6.4	4
36	Fixed-time scaled consensus of multi-agent systems with input delay. Journal of the Franklin Institute, 2023, 360, 8821-8840.	3.4	4

#	Article	IF	Citations
37	Observer-Based Adaptive Scaled Tracking Control for Nonlinear MASs via Command-Filtered Backstepping. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 425-437.	9.3	4
38	Event-triggered output feedback H<inf>â^ž</inf> control for networked control systems with time-varying sampling and packet losses. , 2017, , .		3
39	The sparse least square support vector regression for estimating illumination chromaticity. Color Research and Application, 2018, 43, 517-526.	1.6	3
40	Robust guaranteed cost control of networked control systems with time delay. , 2008, , .		2
41	Research on global consensus problem of scalable swarm system. , 2008, , .		2
42	Formation control of robot swarm based on community division and multilevel topology design via pining. , 2014, , .		2
43	Application of Electrical Capacitance Tomography in Pneumatic Conveying of Pulverized Coal. , 2018, , .		2
44	Controllable containment control of multi-agent systems based on hierarchical clustering. International Journal of Control, 2021, 94, 653-662.	1.9	2
45	Distributed Optimal Control of Transient Stability for a Power Information Physical System. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	1
46	Stabilizability and Bipartite Containment Control of Multi-Agent Systems Over Signed Directed Graphs. IEEE Access, 2020, 8, 37557-37564.	4.2	1
47	Improved Fragmentation Looped-Functional for Synchronization of Chaotic Lurâ€™e Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3550-3554.	3.0	1
48	Flocking algorithm for directed multi-agent networks via pinning control. , 2015, , .		0
49	A novel method of image features extraction and application. , 2016, , .		0
50	The study for protection strategy of cascading failure of interdependent network with the load. , 2016, , .		0
51	Evaluation of station importance in the railway transport system based on double networks. , 2017, , .		0
52	Analysis of Transient Voltage Stability of Wind Power Accessing Jiangxi Power Grid. , 2018, , .		0
53	Consensus Tracking for Heterogeneous Interdependent Group Systems with Fixed Communication Topologies*. , 2018, , .		0