Junkang Ni

List of Publications by Year
in descending order

31 papers	1,535 citations	394421 19 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	1121 citing authors

#	Article	IF	Citations
1	Fixed-time terminal sliding mode tracking protocol design for high-order multiagent systems with directed communication topology. ISA Transactions, 2022, 124, 444-457.	5.7	11
2	Fixed-Time Event-Triggered Output Consensus Tracking of High-Order Multiagent Systems Under Directed Interaction Graphs. IEEE Transactions on Cybernetics, 2022, 52, 6391-6405.	9.5	84
3	Fixed-time leader-follower quantized output consensus of high-order multi-agent systems over digraph. Information Sciences, 2022, 587, 408-434.	6.9	20
4	Fixed-Time Practical Consensus Tracking of Multi-Agent Systems With Communication Delay. IEEE Transactions on Network Science and Engineering, 2022, 9, 1319-1334.	6.4	18
5	Global Predefined Time and Accuracy Adaptive Neural Network Control for Uncertain Strict-Feedback Systems With Output Constraint and Dead Zone. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7903-7918.	9.3	60
6	Adaptive Neural Network Fixed-Time Leaderâ€“Follower Consensus for Multiagent Systems With Constraints and Disturbances. IEEE Transactions on Cybernetics, 2021, 51, 1835-1848.	9.5	93
7	A New Fixed-Time Consensus Tracking Approach for Second-Order Multiagent Systems Under Directed Communication Topology. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2488-2500.	9.3	52
8	Predefined-Time Consensus Tracking of Second-Order Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2550-2560.	9.3	81
9	Composite prescribed performance control of small unmanned aerial vehicles using modified nonlinear disturbance observer. ISA Transactions, 2021, 116, 30-45.	5.7	28
10	Fixed-Time Output Consensus Tracking for High-Order Multi-Agent Systems With Directed Network Topology and Packet Dropout. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 817-836.	13.1	32
11	Composite learning adaptive dynamic surface control for uncertain nonlinear strictâ€feedback systems with fixedâ€time parameter estimation under sufficient excitation. International Journal of Robust and Nonlinear Control, 2021, 31, 5865-5889.	3.7	6
12	Fixed-time leader-follower consensus based secondary voltage control for microgrid under directed communication graph. , 2021, , .		1
13	Fixed-time composite neural learning control of state-constrained nonlinear uncertain systems. Journal of the Franklin Institute, 2021, 358, 8138-8168.	3.4	6
14	Fixed-time adaptive neural network control for nonstrict-feedback nonlinear systems with deadzone and output constraint. ISA Transactions, 2020, 97, 458-473.	5.7	62
15	Asymmetric integral barrier Lyapunov function-based adaptive tracking control considering full-state with input magnitude and rate constraint. Journal of the Franklin Institute, 2020, 357, 9709-9732.	3.4	26
16	Fixed-time consensus-based economic dispatch for smart grid. , 2020, , .		0
17	Prescribed performance fixed-time recurrent neural network control for uncertain nonlinear systems. Neurocomputing, 2019, 363, 351-365.	5.9	52
18	Fixed-Time Disturbance Observer Design for Brunovsky Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 341-345.	3.0	53

#	Article	IF	Citations
19	Chaotic dynamics in a neural network under electromagnetic radiation. Nonlinear Dynamics, 2018, 91, 1541-1554.	5.2	58
20	Adaptive dynamic surface neural network control for nonstrict-feedback uncertain nonlinear systems with constraints. Nonlinear Dynamics, 2018, 94, 165-184.	5.2	20
21	Chaos suppression for a four-dimensional fundamental power system model using adaptive feedback control. Transactions of the Institute of Measurement and Control, 2017, 39, 194-207.	1.7	15
22	Fast Fixed-Time Nonsingular Terminal Sliding Mode Control and Its Application to Chaos Suppression in Power System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 151-155.	3.0	232
23	Fixed-Time Leader-Following Consensus for Second-Order Multiagent Systems With Input Delay. IEEE Transactions on Industrial Electronics, 2017, 64, 8635-8646.	7.9	231
24	Fractional order fixed-time nonsingular terminal sliding mode synchronization and control of fractional order chaotic systems. Nonlinear Dynamics, 2017, 89, 2065-2083.	5.2	106
25	Secondary voltage control for microgrids based on fixed-time distributed cooperative control of multi-agent systems. , 2017, , .		8
26	Fractional order fixed-time nonsingular terminal sliding mode control for chaotic oscillation in power system. , 2017, , .		6
27	Further Improvement of Fixed-Time Protocol for Average Consensus of Multi-Agent Systems * *This work was supported in part by the National Natural Science Foundation of China under Grants 51177117, 51307130, by the Creative Research Groups Fund of the National Natural Science Foundation of China under Grant 51221005. IFAC-PapersOnLine, 2017, 50, 2523-2529.	0.9	8
28	Continuous uniformly finite time exact disturbance observer based control for fixed-time stabilization of nonlinear systems with mismatched disturbances. PLoS ONE, 2017, 12, e0175645.	2.5	7
29	Chattering-Free Time Scale Separation Sliding Mode Control Design with Application to Power System Chaos Suppression. Mathematical Problems in Engineering, 2016, 2016, 1-14.	1.1	16
30	Fixed-time dynamic surface high-order sliding mode control for chaotic oscillation in power system. Nonlinear Dynamics, 2016, 86, 401-420.	5.2	110
31	Variable speed synergetic control for chaotic oscillation in power system. Nonlinear Dynamics, 2014, 78, 681-690.	5.2	33