Mao-long Lv

List of Publications by Year
in descending order

229 papers	14,186 citations	28190 55 h-index	20900 115 g-index
233 all docs	233 docs citations	233 times ranked	5990 citing authors

#	Article	IF	Citations
1	An Overview of Recent Progress in the Study of Distributed Multi-Agent Coordination. IEEE Transactions on Industrial Informatics, 2013, 9, 427-438.	7.2	1,814
2	Some necessary and sufficient conditions for second-order consensus in multi-agent dynamical systems. Automatica, 2010, 46, 1089-1095.	3.0	1,236
3	On pinning synchronization of complex dynamical networks. Automatica, 2009, 45, 429-435.	3.0	917
4	Second-Order Consensus for Multiagent Systems With Directed Topologies and Nonlinear Dynamics. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 881-891.	5.5	891
5	Distributed Consensus Filtering in Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1568-1577.	5.5	383
6	Containment of Higher-Order Multi-Leader Multi-Agent Systems: A Dynamic Output Approach. IEEE Transactions on Automatic Control, 2016, 61, 1135-1140.	3.6	357
7	Distributed Adaptive Control of Synchronization in Complex Networks. IEEE Transactions on Automatic Control, 2012, 57, 2153-2158.	3.6	323
8	Distributed Event-Triggered Scheme for Economic Dispatch in Smart Grids. IEEE Transactions on Industrial Informatics, 2016, 12, 1775-1785.	7.2	307
9	Consensus of multiâ€agent systems with nonlinear dynamics and sampledâ€data information: a delayedâ€input approach. International Journal of Robust and Nonlinear Control, 2013, 23, 602-619.	2.1	298
10	Consensus in multiâ€agent systems with communication constraints. International Journal of Robust and Nonlinear Control, 2012, 22, 170-182.	2.1	284
11	Bipartite Tracking Consensus of Linear Multi-Agent Systems With a Dynamic Leader. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1204-1208.	2.2	213
12	Efficient Computation for Sparse Load Shifting in Demand Side Management. IEEE Transactions on Smart Grid, 2017, 8, 250-261.	6.2	210
13	Distributed Robust Fixed-Time Consensus for Nonlinear and Disturbed Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1464-1473.	5.9	209
14	Distributed Tracking of Nonlinear Multiagent Systems Under Directed Switching Topology: An Observer-Based Protocol. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 869-881.	5.9	185
15	Consensus of second-order multi-agent systems with delayed nonlinear dynamics and intermittent communications. International Journal of Control, 2013, 86, 322-331.	1.2	179
16	Exponential synchronization of memristive Cohenâ€"Grossberg neural networks with mixed delays. Cognitive Neurodynamics, 2014, 8, 239-249.	2.3	171
17	Robust fixed-time synchronization of delayed Cohenâ€"Grossberg neural networks. Neural Networks, 2016, 73, 86-94.	3.3	161
18	Second-Order Consensus in Multiagent Systems via Distributed Sliding Mode Control. IEEE Transactions on Cybernetics, 2017, 47, 1872-1881.	6.2	145

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19	Adaptive Consensus-Based Robust Strategy for Economic Dispatch of Smart Grids Subject to Communication Uncertainties. IEEE Transactions on Industrial Informatics, 2018, 14, 2484-2496.	7.2	145
20	Neuro-Adaptive Consensus Tracking of Multiagent Systems With a High-Dimensional Leader. IEEE Transactions on Cybernetics, 2017, 47, 1730-1742.	6.2	143
21	Impulsive synchronization schemes of stochastic complex networks with switching topology: Average time approach. Neural Networks, 2014, 54, 85-94.	3.3	142
22	Finite-Time Bipartite Consensus for Multi-Agent Systems on Directed Signed Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 4336-4348.	3.5	142
23	Local Synchronization of a Complex Network Model. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 230-241.	5.5	138
24	Pinning-Controllability Analysis of Complex Networks: An M-Matrix Approach. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2692-2701.	3.5	135
25	Distributed <inline-formula> <tex-math notation="TeX">${\cal H}_{\infty}$</tex-math></inline-formula> Consensus of Higher Order Multiagent Systems With Switching Topologies. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 359-363.	2.2	112
26	Parameter identification of dynamical systems from time series. Physical Review E, 2007, 75, 067201.	0.8	108
27	Reverse Group Consensus of Multi-Agent Systems in the Cooperation-Competition Network. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 2036-2047.	3.5	102
28	Leader–following consensus of non–linear multi–agent systems with jointly connected topology. IET Control Theory and Applications, 2014, 8, 432-440.	1.2	93
29	Finite-Time Consensus for Second-Order Multi-Agent Systems With Input Saturation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1758-1762.	2.2	88
30	A new switching design to finite-time stabilization of nonlinear systems with applications to neural networks. Neural Networks, 2014, 57, 94-102.	3.3	86
31	Robust Neuro-Adaptive Containment of Multileader Multiagent Systems With Uncertain Dynamics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 406-417.	5.9	86
32	Complex cyber-physical networks: From cybersecurity to security control. Journal of Systems Science and Complexity, 2017, 30, 46-67.	1.6	83
33	Global exponential stability and lag synchronization for delayed memristive fuzzy Cohen–Grossberg BAM neural networks with impulses. Neural Networks, 2018, 98, 122-153.	3.3	83
34	Higher order finite-time consensus protocol for heterogeneous multi-agent systems. International Journal of Control, 2015, 88, 285-294.	1.2	81
35	Stability and Hopf Bifurcation of a General Delayed Recurrent Neural Network. IEEE Transactions on Neural Networks, 2008, 19, 845-854.	4.8	79
36	Automating occupant-building interaction via smart zoning of thermostatic loads: A switched self-tuning approach. Applied Energy, 2018, 231, 1246-1258.	5.1	79

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37	Consensus in High-Power Multiagent Systems With Mixed Unknown Control Directions via Hybrid Nussbaum-Based Control. IEEE Transactions on Cybernetics, 2022, 52, 5184-5196.	6.2	76
38	Distributed cooperative anti-disturbance control of multi-agent systems: an overview. Science China Information Sciences, 2017, 60, 1.	2.7	74
39	Continuous-Time Distributed Subgradient Algorithm for Convex Optimization With General Constraints. IEEE Transactions on Automatic Control, 2019, 64, 1694-1701.	3.6	73
40	Distributed Resource Allocation Over Directed Graphs via Continuous-Time Algorithms. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1097-1106.	5.9	73
41	Finite-Time Containment Control for Second-Order Multiagent Systems Under Directed Topology. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 619-623.	2.2	72
42	Fixed-Time Consensus of Nonlinear Multi-Agent Systems With General Directed Topologies. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1587-1591.	2.2	72
43	A Separation-Based Methodology to Consensus Tracking of Switched High-Order Nonlinear Multiagent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5467-5479.	7.2	71
44	Estimating Uncertain Delayed Genetic Regulatory Networks: An Adaptive Filtering Approach. IEEE Transactions on Automatic Control, 2009, 54, 892-897.	3.6	68
45	Continuous-Time Coordination Algorithm for Distributed Convex Optimization Over Weight-Unbalanced Directed Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1202-1206.	2.2	67
46	Finite-Time Fuzzy Adaptive Consensus for Heterogeneous Nonlinear Multi-Agent Systems. IEEE Transactions on Network Science and Engineering, 2020, 7, 3057-3066.	4.1	67
47	Master–Slave Synchronization of Heterogeneous Systems Under Scheduling Communication. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 473-484.	5.9	66
48	Distributed Reinforcement Learning Algorithm for Dynamic Economic Dispatch With Unknown Generation Cost Functions. IEEE Transactions on Industrial Informatics, 2020, 16, 2258-2267.	7.2	66
49	Adaptive Q-S (lag, anticipated, and complete) time-varying synchronization and parameters identification of uncertain delayed neural networks. Chaos, 2006, 16, 023119.	1.0	64
50	Consensus of Second-Order Multiagent Systems With Both Velocity and Input Constraints. IEEE Transactions on Industrial Electronics, 2019, 66, 7946-7955.	5.2	62
51	Distributed node–to–node consensus of multi–agent systems with stochastic sampling. International Journal of Robust and Nonlinear Control, 2016, 26, 110-124.	2.1	60
52	Pinning Synchronization of Complex Switching Networks With a Leader of Nonzero Control Inputs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 3100-3112.	3.5	60
53	Adaptive synchronization of uncertain coupled stochastic complex networks. Asian Journal of Control, 2011, 13, 418-429.	1.9	59
54	Synchronization of Resilient Complex Networks Under Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1116-1127.	5.9	59

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55	Exponential Consensus of Multiagent Systems With Lipschitz Nonlinearities Using Sampled-Data Information. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 4363-4375.	3.5	57
56	Fixed-Time Connectivity-Preserving Distributed Average Tracking for Multiagent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1192-1196.	2.2	56
57	Finite-Time Connectivity-Preserving Consensus for Second-Order Nonlinear Multiagent Systems. IEEE Transactions on Control of Network Systems, 2019, 6, 236-248.	2.4	54
58	Establishing Platoons of Bidirectional Cooperative Vehicles With Engine Limits and Uncertain Dynamics. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2679-2691.	4.7	54
59	An Observer-Based Fixed-Time Consensus Control for Second-Order Multi-Agent Systems With Disturbances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 247-251.	2.2	52
60	The Set-Invariance Paradigm in Fuzzy Adaptive DSC Design of Large-Scale Nonlinear Input-Constrained Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1035-1045.	5.9	52
61	Distributed Adaptive Finite-Time Consensus for Second-Order Multiagent Systems With Mismatched Disturbances Under Directed Networks. IEEE Transactions on Cybernetics, 2021, 51, 1347-1358.	6.2	52
62	Economic power dispatch in smart grids: a framework for distributed optimization and consensus dynamics. Science China Information Sciences, 2018, 61, 1.	2.7	51
63	Finite-Time Fuzzy Adaptive Constrained Tracking Control for Hypersonic Flight Vehicles With Singularity-Free Switching. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1594-1605.	3.7	50
64	Bridging the gap between complex networks and smart grids. Journal of Control and Decision, 2014, 1, 102-114.	0.7	49
65	A Novel Class of Distributed Fixed-Time Consensus Protocols for Second-Order Nonlinear and Disturbed Multi-Agent Systems. IEEE Transactions on Network Science and Engineering, 2019, 6, 760-772.	4.1	49
66	The Non-Smoothness Problem in Disturbance Observer Design: A Set-Invariance-Based Adaptive Fuzzy Control Method. IEEE Transactions on Fuzzy Systems, 2019, 27, 598-604.	6.5	48
67	An LMI approach to global asymptotic stability of the delayed Cohen–Grossberg neural network via nonsmooth analysis. Neural Networks, 2007, 20, 810-818.	3.3	47
68	Applications of Collective Circular Motion Control to Multirobot Systems. IEEE Transactions on Control Systems Technology, 2013, 21, 1416-1422.	3.2	45
69	Cooperative Tracking of Networked Agents With a High-Dimensional Leader: Qualitative Analysis and Performance Evaluation. IEEE Transactions on Cybernetics, 2018, 48, 2060-2073.	6.2	45
70	Robust containment tracking of uncertain linear multi-agent systems: a non-smooth control approach. International Journal of Control, 2014, 87, 2522-2534.	1.2	44
71	New communication schemes based on adaptive synchronization. Chaos, 2007, 17, 033114.	1.0	43
72	Synchronization of Multi-Layer Networks: From Node-to-Node Synchronization to Complete Synchronization. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 1141-1152.	3.5	43

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73	Finite‑time synchronisation control of complex networks via non‑smooth analysis. IET Control Theory and Applications, 2015, 9, 1245-1253.	1.2	40
74	Lyapunov-Equation-Based Stability Analysis for Switched Linear Systems and Its Application to Switched Adaptive Control. IEEE Transactions on Automatic Control, 2021, 66, 2250-2256.	3.6	40
75	Projected Primal‑Dual Dynamics for Distributed Constrained Nonsmooth Convex Optimization. IEEE Transactions on Cybernetics, 2020, 50, 1776-1782.	6.2	39
76	Logic-based distributed switching control for agents in power-chained form with multiple unknown control directions. Automatica, 2022, 137, 110143.	3.0	39
77	Pinning synchronisation in fixed and switching directed networks of Lorenz‑type nodes. IET Control Theory and Applications, 2013, 7, 1387-1397.	1.2	38
78	Tracking Consensus of General Nonlinear Multiagent Systems With External Disturbances Under Directed Networks. IEEE Transactions on Automatic Control, 2019, 64, 4772-4779.	3.6	38
79	Distributed Nash Equilibrium Seeking in an Aggregative Game on a Directed Graph. IEEE Transactions on Automatic Control, 2021, 66, 2746-2753.	3.6	36
80	Swarming behaviors in multi-agent systems with nonlinear dynamics. Chaos, 2013, 23, 043118.	1.0	34
81	Successive lag synchronization on nonlinear dynamical networks via linear feedback control. Nonlinear Dynamics, 2015, 80, 421-430.	2.7	33
82	Nonlinear Systems With Uncertain Periodically Disturbed Control Gain Functions: Adaptive Fuzzy Control With Invariance Properties. IEEE Transactions on Fuzzy Systems, 2020, 28, 746-757.	6.5	33
83	Adaptive Prescribed Performance Asymptotic Tracking for High-Order Odd-Rational-Power Nonlinear Systems. IEEE Transactions on Automatic Control, 2023, 68, 1047-1053.	3.6	31
84	Adaptive Fuzzy Tracking Control Design for a Class of Uncertain Nonstrict-Feedback Fractional-Order Nonlinear SISO Systems. IEEE Transactions on Cybernetics, 2021, 51, 3039-3053.	6.2	30
85	Inferring causal relationship in coordinated flight of pigeon flocks. Chaos, 2019, 29, 113118.	1.0	29
86	Coordination tracking of multi‑agent dynamical systems with general linear node dynamics. International Journal of Robust and Nonlinear Control, 2017, 27, 1526-1546.	2.1	28
87	STABILITY AND HOPF BIFURCATION ON A TWO-NEURON SYSTEM WITH TIME DELAY IN THE FREQUENCY DOMAIN. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1355-1366.	0.7	27
88	A Switching-Based Adaptive Dynamic Programming Method to Optimal Traffic Signaling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4160-4170.	5.9	27
89	Distributed Reinforcement Learning for Cyber-Physical System With Multiple Remote State Estimation Under DoS Attacker. IEEE Transactions on Network Science and Engineering, 2020, 7, 3212-3222.	4.1	27
90	Tri-Level Mixed-Integer Optimization for Two-Stage Microgrid Dispatch With Multi-Uncertainties. IEEE Transactions on Power Systems, 2020, 35, 3636-3647.	4.6	27

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91	Distributed Robust Control for Linear Multiagent Systems With Intermittent Communications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 838-842.	2.2	26
92	A DSC method for strict-feedback nonlinear systems with possibly unbounded control gain functions. Neurocomputing, 2018, 275, 1383-1392.	3.5	26
93	Adaptive Leader–Follower Synchronization Over Heterogeneous and Uncertain Networks of Linear Systems Without Distributed Observer. IEEE Transactions on Automatic Control, 2021, 66, 1925-1931.	3.6	25
94	Finite–time consensus of multiagent systems with input saturation and disturbance. International Journal of Robust and Nonlinear Control, 2021, 31, 2097-2109.	2.1	25
95	Robust synchronisation of second–order multi–agent system via pinning control. IET Control Theory and Applications, 2015, 9, 775-783.	1.2	23
96	Neural-Network Based Adaptive Self-Triggered Consensus of Nonlinear Multi-Agent Systems With Sensor Saturation. IEEE Transactions on Network Science and Engineering, 2021, 8, 1531-1541.	4.1	23
97	Fast Distributed Average Tracking in Multiagent Networks: The Case With General Linear Agent Dynamics. IEEE Transactions on Control of Network Systems, 2021, 8, 997-1009.	2.4	23
98	Fuzzy Adaptive Constrained Consensus Tracking of High-Order Multi-agent Networks: A New Event-Triggered Mechanism. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5468-5480.	5.9	23
99	Robust Control of Uncertain Stochastic Recurrent Neural Networks with Time-varying Delay. Neural Processing Letters, 2007, 26, 101-119.	2.0	22
100	A LMI-based approach to global asymptotic stability of neural networks with time varying delays. Nonlinear Dynamics, 2007, 48, 165-174.	2.7	22
101	Continuous-Time Distributed Proximal Gradient Algorithms for Nonsmooth Resource Allocation Over General Digraphs. IEEE Transactions on Network Science and Engineering, 2021, 8, 1733-1744.	4.1	22
102	Adaptive Asymptotic Tracking for a Class of Uncertain Switched Positive Compartmental Models With Application to Anesthesia. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4936-4942.	5.9	21
103	Cyclic Communication in Adaptive Strategies to Platooning: The Case of Synchronized Merging. IEEE Transactions on Intelligent Vehicles, 2021, 6, 490-500.	9.4	21
104	Adaptive hierarchical formation control for uncertain Euler–Lagrange systems using distributed inverse dynamics. European Journal of Control, 2019, 48, 52-65.	1.6	20
105	Accurate Privacy Preserving Average Consensus. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 690-694.	2.2	20
106	Discontinuous Lyapunov approach to state estimation and filtering of jumped systems with sampled-data. Neural Networks, 2015, 68, 12-22.	3.3	19
107	Realization of trajectory precise tracking for hypersonic flight vehicles with prescribed performances. Aerospace Science and Technology, 2021, 111, 106554.	2.5	19
108	Robust second–order finite–time formation control of heterogeneous multi–agent systems on directed communication graphs. IET Control Theory and Applications, 2020, 14, 816-823.	1.2	19

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109	Consensus for second‐order agent dynamics with velocity estimators via pinning control. IET Control Theory and Applications, 2013, 7, 1196-1205.	1.2	18
110	Observer‐based formation tracking control for leader–follower multi‐agent systems. IET Control Theory and Applications, 2019, 13, 239-247.	1.2	18
111	Short-term power load forecasting using integrated methods based on long short-term memory. Science China Technological Sciences, 2020, 63, 614-624.	2.0	17
112	On Training Traffic Predictors via Broad Learning Structures: A Benchmark Study. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 749-758.	5.9	17
113	Formation Control of Nonholonomic Mobile Robots Using Distributed Estimators. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3162-3166.	2.2	17
114	Fuzzy adaptive finite-time consensus tracking control of high-order nonlinear multi-agent networks with dead zone. Nonlinear Dynamics, 2021, 106, 3363-3378.	2.7	17
115	Event-Triggered Adaptive Fault-Tolerant Synchronization Tracking Control for Multiple 6-DOF Fixed-Wing UAVs. IEEE Transactions on Vehicular Technology, 2022, 71, 148-161.	3.9	17
116	Asymptotical Neuro-Adaptive Consensus of Multi-Agent Systems With a High Dimensional Leader and Directed Switching Topology. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9149-9160.	7.2	17
117	An integral sliding mode observer for CPS cyber security attack detection. Chaos, 2019, 29, 043120.	1.0	16
118	Adaptive Fixed-Time Control for Attitude Consensus of Disturbed Multi-Spacecraft Systems With Directed Topologies. IEEE Transactions on Network Science and Engineering, 2022, 9, 1451-1461.	4.1	16
119	Pinning observability in complex networks. IET Control Theory and Applications, 2014, 8, 2136-2144.	1.2	15
120	Robust Distributed Stabilization of Heterogeneous Agents Over Cooperation–Competition Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1419-1423.	2.2	15
121	Robust Distributed Average Tracking for Disturbed Second-Order Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3187-3199.	5.9	15
122	Distributed Output Feedback Funnel Control for Uncertain Nonlinear Multiagent Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 3708-3721.	6.5	15
123	Design of singularity-free fixed-time fault-tolerant control for HFVs with guaranteed asymmetric time-varying flight state constraints. Aerospace Science and Technology, 2022, 120, 107270.	2.5	15
124	Node-to-node consensus of networked agents with general linear node dynamics. , 2013, , .		14
125	Optimal economic dispatch by fast distributed gradient. , 2014, , .		14
126	Nonsmooth Resource Allocation of Multiagent Systems With Disturbances: A Proximal Approach. IEEE Transactions on Control of Network Systems, 2021, 8, 1454-1464.	2.4	14

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127	Fixed-time consensus tracking of multi-agent systems under a directed communication topology. , 2016, , .		13
128	Finite-time and fixed-time consensus problems for second-order multi-agent systems with reduced state information. Science China Information Sciences, 2019, 62, 1.	2.7	13
129	Fully Distributed Consensus Tracking of Multiagent Systems With a High-Dimensional Leader and Directed Communication Topology. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1431-1435.	2.2	13
130	Effects of Measurement Noise on Flocking Dynamics of Cuckerâ€"Smale Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2064-2068.	2.2	13
131	Prediction of COVID-19 spread by sliding mSEIR observer. Science China Information Sciences, 2020, 63, 1.	2.7	13
132	Distributed Discrete-Time Algorithms for Convex Optimization With General Local Constraints on Weight-Unbalanced Digraph. IEEE Transactions on Control of Network Systems, 2021, 8, 51-64.	2.4	13
133	Distributed Optimization of Multiagent Systems Subject to Inequality Constraints. IEEE Transactions on Cybernetics, 2021, 51, 2232-2241.	6.2	13
134	Distributed consensus strategy for economic power dispatch in a smart grid with communication time delays. , 2016, , .		12
135	Distributed Convex Optimization on State-Dependent Undirected Graphs: Homogeneity Technique. IEEE Transactions on Control of Network Systems, 2020, 7, 42-52.	2.4	12
136	Distributed fixed step-size algorithm for dynamic economic dispatch with power flow limits. Science China Information Sciences, 2021, 64, 1.	2.7	12
137	Consensus of Lurâ€™e Multi-Agent Systems With Directed Switching Topology. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 474-478.	2.2	12
138	Distributed Online Bandit Learning in Dynamic Environments Over Unbalanced Digraphs. IEEE Transactions on Network Science and Engineering, 2021, 8, 3034-3047.	4.1	12
139	Adaptive accurate tracking control of HFVs in the presence of dead-zone and hysteresis input nonlinearities. Chinese Journal of Aeronautics, 2021, 34, 642-651.	2.8	12
140	Distributed Adaptive Fixed-Time Fault-Tolerant Control for Multiple 6-DOF UAVs With Full-State Constraints Guarantee. IEEE Systems Journal, 2022, 16, 4792-4803.	2.9	12
141	Designing adaptive consensus-based scheme for economic dispatch of smart grid. , 2016, , .		11
142	Adaptive tracking control for non-affine nonlinear systems with non-affine function possibly being discontinuous. International Journal of Systems Science, 2017, 48, 1115-1122.	3.7	11
143	A Novel Disturbance Observer Design for a Larger Class of Nonlinear Strict-Feedback Systems via Improved DSC Technique. IEEE Access, 2019, 7, 102455-102466.	2.6	11
144	Leaderless Consensus of Ring-Networked Mobile Robots via Distributed Saturated Control. IEEE Transactions on Industrial Electronics, 2020, 67, 10723-10731.	5.2	11

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145	Adaptive Fuzzy Finite-Time Tracking Control of Uncertain Non-Affine Multi-Agent Systems With Input Quantization. IEEE Access, 2020, 8, 187623-187633.	2.6	11
146	On Distributed Implementation of Switch-Based Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2022, 52, 7218-7224.	6.2	11
147	Robust adaptive flocking control of nonlinear multi-agent systems. , 2010, , .		10
148	Robust node–to–node consensus of linear multiagent systems with directed switching topologies subject to uncertain pinning communications. International Journal of Robust and Nonlinear Control, 2018, 28, 1886-1900.	2.1	10
149	Generalized Nash Equilibrium Seeking via Continuous-Time Coordination Dynamics Over Digraphs. IEEE Transactions on Control of Network Systems, 2021, 8, 1023-1033.	2.4	10
150	An Adaptive Disturbance Decoupling Perspective to Longitudinal Platooning. , 2022, 6, 668-673.		10
151	Observer-Based Event-Triggered Adaptive Fuzzy Control for Fractional-Order Time-Varying Delayed MIMO Systems Against Actuator Faults. IEEE Transactions on Fuzzy Systems, 2022, 30, 5445-5459.	6.5	10
152	Turing Instability and Bifurcation in a Diffusion Predator–Prey Model with Beddington–DeAngelis Functional Response. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1830029.	0.7	9
153	Prediction of COVID-19 spread via LSTM and the deterministic SEIR model. , 2020, , .		9
154	Distributed Fast Finite-Time Tracking Consensus of Multi-Agent Systems With a Dynamic Leader. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2176-2180.	2.2	9
155	Distributed Coordinated Control for Fixed-Wing UAVs With Dynamic Event-Triggered Communication. IEEE Transactions on Vehicular Technology, 2022, 71, 4665-4676.	3.9	9
156	Robust control of delayed Cohen–Grossberg neural networks. International Journal of Adaptive Control and Signal Processing, 2008, 22, 221-242.	2.3	8
157	A distributed normalized Nash equilibrium seeking algorithm for power allocation among micro-grids. Science China Technological Sciences, 2021, 64, 341-352.	2.0	8
158	Distributed Q-Learning Algorithm for Dynamic Resource Allocation With Unknown Objective Functions and Application to Microgrid. IEEE Transactions on Cybernetics, 2022, 52, 12340-12350.	6.2	8
159	Fast Nonsingular Fixed-Time Fuzzy Fault-Tolerant Control for HFVs With Guaranteed Time-Varying Flight State Constraints. IEEE Transactions on Fuzzy Systems, 2022, 30, 4555-4567.	6.5	8
160	Fuzzy Adaptive Zero-Error-Constrained Tracking Control for HFVs in the Presence of Multiple Unknown Control Directions. IEEE Transactions on Cybernetics, 2023, 53, 2779-2790.	6.2	8
161	Distributed Disturbance-and-Leader Estimation for Controlling Networks of Nonholonomic Mobile Robots. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 3762-3771.	3.5	8
162	An Adaptive Dynamic Surface Controller for Ultralow Altitude Airdrop Flight Path Angle with Actuator Input Nonlinearity. Mathematical Problems in Engineering, 2016, 2016, 1-9.	0.6	7

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163	Hybrid Adaptive Chassis Control for Vehicle Lateral Stability in the Presence of Uncertainty. , 2018, , .		7
164	Neuro-Adaptive Cooperative Tracking Rendezvous of Nonholonomic Mobile Robots. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3167-3171.	2.2	7
165	DLSTM: Distributed Long Short-Term Memory Neural Networks for the Internet of Things. IEEE Transactions on Network Science and Engineering, 2022, 9, 111-120.	4.1	7
166	On Structural and Safety Properties of Head-to-Tail String Stability in Mixed Platoons. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 6614-6626.	4.7	7
167	Group consensus for multiple networked Euler-Lagrange systems with parametric uncertainties. Journal of Systems Science and Complexity, 2014, 27, 632-649.	1.6	6
168	Fully-distributed finite-time consensus of second-order multi-agent systems on a directed network. , 2018, , .		6
169	Fuzzy Adaptive DSC Design for an Extended Class of MIMO Pure-Feedback Non-Affine Nonlinear Systems in the Presence of Input Constraints. Mathematical Problems in Engineering, 2019, 2019, 1-14.	0.6	6
170	Multi-Dimensional Privacy-Preserving Average Consensus in Wireless Sensor Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1104-1108.	2.2	6
171	Adaptive Optimal Tracking Control for Spacecraft Formation Flying With Event-Triggered Input. IEEE Transactions on Industrial Informatics, 2023, 19, 6418-6428.	7.2	6
172	Cooperative Constrained Control of Autonomous Vehicles With Nonuniform Input Quantization. IEEE Transactions on Vehicular Technology, 2022, 71, 11431-11442.	3.9	6
173	Dynamical economic dispatch using distributed barrier function-based optimization algorithm. Science China Technological Sciences, 2019, 62, 2104-2112.	2.0	5
174	Ridesourcing Behavior Analysis and Prediction: A Network Perspective. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1274-1283.	4.7	5
175	Discrete-Time Algorithm for Distributed Unconstrained Optimization Problem With Finite-Time Computations. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 351-355.	2.2	5
176	Output-Feedback Design of Longitudinal Platooning With Adaptive Disturbance Decoupling. , 2022, 6, 3104-3109.		5
177	Consensus control of switching directed networks with general linear node dynamics. , 2013, , .		4
178	Networked optimization for demand side management based on non-cooperative game. , 2015, , .		4
179	Distributed consensus-based algorithm for social welfare in smart grid with transmission losses. Science China Technological Sciences, 2020, 63, 44-54.	2.0	4
180	Unsupervised detection of botnet activities using frequent pattern tree mining. Complex & Intelligent Systems, 2022, 8, 761-769.	4.0	4

#	Article	IF	Citations
181	Adaptive NN Control for Multisteering Plane Aircraft with Dead Zone or Backlash Input Nonlinearity. Mathematical Problems in Engineering, 2017, 2017, 1-8.	0.6	3
182	Practical Absolute Stabilization of Lur'e Systems via Periodic Event-Triggered Feedback. , 2019, , .		3
183	Barrier Lypunov functionsâ€based nonsingular fixedâ€time switching control for strictâ€feedback nonlinear dynamics with full state constraints. International Journal of Robust and Nonlinear Control, 2021, 31, 7862-7885.	2.1	3
184	Coordinating directional switches in pigeon flocks: the role of nonlinear interactions. Royal Society Open Science, 2021, 8, 210649.	1.1	3
185	Distributed Average Tracking Problem Under Directed Networks: A Distributed Estimator-Based Design. IEEE Transactions on Control of Network Systems, 2022, 9, 930-942.	2.4	3
186	Distributed adaptive specified-time synchronization tracking of multiple 6-DOF fixed-wing UAVs with guaranteed performances. ISA Transactions, 2022, 129, 260-272.	3.1	3
187	Learning-Based Distributed Containment Control for HFV Swarms Under Event-Triggered Communication. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 568-579.	2.6	3
188	Barrier Lyapunov function-based fixed-time FTC for high-order nonlinear systems with predefined tracking accuracy. Nonlinear Dynamics, 2022, 110, 381-394.	2.7	3
189	Distributed algorithm for solving linear algebraic equations: An implicit gradient neural network approach. , 2019, , .		2
190	Output-Feedback Self-Synchronization of Directed Lurâ€™e Networks via Global Connectivity. IEEE Transactions on Cybernetics, 2022, 52, 6490-6503.	6.2	2
191	Decentralized targeting control of collinear agents. Asian Journal of Control, 0, , .	1.9	2
192	Fuzzy Adaptive Finite-Time Tracking for Hypersonic Flight Vehicles Using Switching Event-Triggered Methodology. IEEE Access, 2022, 10, 74280-74290.	2.6	2
193	Pinning control of general multi-agent systems. , 2012, , .		1
194	Leader-following consensus control for linear multi-agents systems with switching directed topologies. , 2013, , .		1
195	Consensus tracking of multi-agent systems with reduced information: A fractional-order protocol approach. , 2014, , .		1
196	Adaptive pinning synchronization of complex networks with a target system subject to external inputs. , 2016, , .		1
197	Couple-group consensus of multi-agent systems in the cooperation-competition network. , 2016, , .		1
198	Routing with distributed multiple paths in networks. , 2017, , .		1

#	Article	IF	Citations
199	Robust consensus tracking for heterogeneous linear multi-agent systems with disturbances. , 2017, , .		1
200	A diffusional distributed multiple path algorithm for complex networks. , 2017, , .		1
201	Global exponential stability and synchronization of memristive neural networks including both time-varying and continuously distributed delays. , 2017, , .		1
202	Consensus tracking of linear multi-agent systems with undirected switching communication topologies under impulsive disturbances. , 2018, , .		1
203	Adaptive event-triggered consensus control for a class of unknown second-order nonlinear multi-agent systems. , 2019, , .		1
204	Neural-network-based adaptive tracking control for nonlinear pure-feedback systems subject to periodic disturbance. International Journal of Control, 2022, 95, 2554-2564.	1.2	1
205	A minimal sensing and communication control strategy for adaptive platooning. International Journal of Adaptive Control and Signal Processing, 0, , .	2.3	1
206	Fuzzy Adaptive Tracking Control of High-order Nonlinear Dynamics with Mixed Control Directions. , 2020, , .		1
207	Distributed Concurrent Targeting of Point Source Queues. , 2020, , .		1
208	On second-order consensus in multi-agent dynamical systems with directed topologies and time delays. , 2009, , .		0
209	Pinning synchronization criterion for impulsive dynamical networks. , 2012, , .		0
210	Pinning synchronization of switching directed networks with Lorenz-type nodes. , 2013, , .		0
211	Distributed Control and Estimation of Networked Agent Systems. Mathematical Problems in Engineering, 2013, 2013, 1-1.	0.6	0
212	Observers design in complex networks: Pinning observability. , 2013, , .		0
213	Modeling and Control of Complex Networked Systems. Mathematical Problems in Engineering, 2014, 2014, 1-2.	0.6	0
214	Cooperative Control and Its Engineering Applications in Power Systems. Scientific World Journal, The, 2014, 2014, 1-1.	0.8	0
215	An adaptive DSC for ultra-low altitude airdrop path tracking with actuator input dead zone. , 2016, , .		0
216	Leader-follower formation control with mismatched compasses. , 2017, , .		0

#	Article	IF	Citations
217	Evaluation methods for PIO trend during ultra low altitude airdrop process. , 2017, , .		0
218	Distributed consensus tracking for nonlinear multiagent systems with a high-dimensional leader and intermittent communications. , 2017, , .		0
219	Asymptotic Consensus Tracking of Uncertain Multi-Agent Systems with a High-Dimensional Leader: A Neuro-Adaptive Approach. , 2018, , .		0
220	Neural networks-based robust adaptive flight path tracking control of large transport. Engineering Review, 2018, 38, 268-278.	0.2	0
221	Continuous-time algorithm for distributed resource allocation over a weight-unbalanced digraph. , 2019, , .		0
222	Multi-UAV Formation Controller Design with Uncertain Dynamics. , 2019, , .		0
223	Absolute Stabilization of Lur'e Systems by Periodically Intermittent Control. , 2019, , .		0
224	Maximum Markovian order detection for collective behavior. Chaos, 2020, 30, 083121.	1.0	0
225	Model Reference Switched Adaptive Control with Nonnegative Orthant State Constraints. , 2019, , .		0
226	GLGAT: Global-Local Graph Attention Network For Traffic Forecasting. , 2020, , .		0
227	Optimal Observation Policy of Fault Diagnosis: A Reinforcement Learning Approach. , 2020, , .		0
228	Finite-time output feedback consensus for second-order heterogeneous multi-agent systems. , 2021, , .		0
229	Causality Induced Distributed Spatio-temporal Feature Extraction. , 2021, , .		0