Housheng Su

List of Publications by Year
in descending order

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240 papers	9,230 citations	41344 49 h-index	48315 88 g-index
244 all docs	244 docs citations	244 times ranked	3412 citing authors

#	Article	IF	Citations
1	Flocking of Multi-Agents With a Virtual Leader. IEEE Transactions on Automatic Control, 2009, 54, 293-307.	5.7	778
2	Adaptive second-order consensus of networked mobile agents with nonlinear dynamics. Automatica, 2011, 47, 368-375.	5.0	471
3	Semi-Global Leader-Following Consensus of Linear Multi-Agent Systems With Input Saturation via Low Gain Feedback. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1881-1889.	5.4	450
4	Semiglobal Observer-Based Leader-Following Consensus With Input Saturation. IEEE Transactions on Industrial Electronics, 2014, 61, 2842-2850.	7.9	265
5	Event-Triggered Control for Consensus Problem in Multi-Agent Systems With Quantized Relative State Measurements and External Disturbance. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2232-2242.	5.4	242
6	Rendezvous of multiple mobile agents with preserved network connectivity. Systems and Control Letters, 2010, 59, 313-322.	2.3	241
7	Decentralized Adaptive Pinning Control for Cluster Synchronization of Complex Dynamical Networks. IEEE Transactions on Cybernetics, 2013, 43, 394-399.	9.5	241
8	Fully Distributed Event-Triggered Semiglobal Consensus of Multi-agent Systems With Input Saturation. IEEE Transactions on Industrial Electronics, 2017, 64, 5055-5064.	7.9	194
9	Synchronization of coupled harmonic oscillators in a dynamic proximity network. Automatica, 2009, 45, 2286-2291.	5.0	178
10	A connectivity-preserving flocking algorithm for multi-agent systems based only on position measurements. International Journal of Control, 2009, 82, 1334-1343.	1.9	155
11	A Switching Approach to Designing Finite-Time Synchronization Controllers of Coupled Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 471-482.	11.3	140
12	Full-order and reduced-order observers for one-sided Lipschitz nonlinear systems using Riccati equations. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4968-4977.	3.3	137
13	Unknown input observer design for one-sided Lipschitz nonlinear systems. Nonlinear Dynamics, 2015, 79, 1469-1479.	5.2	120
14	On decentralized adaptive full-order sliding mode control of multiple UAVs. ISA Transactions, 2017, 71, 196-205.	5.7	120
15	Non-linear observer design for one-sided Lipschitz systems: an linear matrix inequality approach. IET Control Theory and Applications, 2012, 6, 1297.	2.1	111
16	Flocking in multiâ€agent systems with multiple virtual leaders. Asian Journal of Control, 2008, 10, 238-245.	3.0	110
17	Multiâ€agent containment control with input saturation on switching topologies. IET Control Theory and Applications, 2015, 9, 399-409.	2.1	106
18	Positive Edge-Consensus for Nodal Networks via Output Feedback. IEEE Transactions on Automatic Control, 2019, 64, 1244-1249.	5.7	102

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19	Stabilizing Solution and Parameter Dependence of Modified Algebraic Riccati Equation With Application to Discrete-Time Network Synchronization. IEEE Transactions on Automatic Control, 2016, 61, 228-233.	5.7	96
20	Robust semi-global coordinated tracking of linear multi-agent systems with input saturation. International Journal of Robust and Nonlinear Control, 2015, 25, 2375-2390.	3.7	94
21	Positive Edge Consensus of Complex Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2242-2250.	9.3	93
22	Semi-global containment control of multi-agent systems with intermittent input saturation. Journal of the Franklin Institute, 2015, 352, 3504-3525.	3.4	90
23	Second-Order Consensus for Multiagent Systems via Intermittent Sampled Position Data Control. IEEE Transactions on Cybernetics, 2020, 50, 2063-2072.	9.5	90
24	A Note on Observers for Discrete-Time Lipschitz Nonlinear Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 123-127.	3.0	88
25	A Connectivity-preserving flocking algorithm for multi-agent dynamical systems with bounded potential function. IET Control Theory and Applications, 2012, 6, 813.	2.1	87
26	Semi-Global Output Consensus for Discrete-Time Switching Networked Systems Subject to Input Saturation and External Disturbances. IEEE Transactions on Cybernetics, 2019, 49, 3934-3945.	9.5	86
27	A Stochastic Sampling Mechanism for Time-Varying Formation of Multiagent Systems With Multiple Leaders and Communication Delays. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3699-3707.	11.3	85
28	Pinning control of complex networked systems: A decade after and beyond. Annual Reviews in Control, 2014, 38, 103-111.	7.9	80
29	Self-triggered leader-following consensus of multi-agent systems with input time delay. Neurocomputing, 2019, 330, 70-77.	5.9	80
30	Eventâ€based synchronisation of linear discreteâ€time dynamical networks. IET Control Theory and Applications, 2015, 9, 755-765.	2.1	79
31	Semi-global output consensus of discrete-time multi-agent systems with input saturation and external disturbances. ISA Transactions, 2017, 67, 131-139.	5.7	79
32	Adaptive flocking with a virtual leader of multiple agents governed by locally Lipschitz nonlinearity. Nonlinear Analysis: Real World Applications, 2013, 14, 798-806.	1.7	73
33	Observer-Based Consensus for Positive Multiagent Systems With Directed Topology and Nonlinear Control Input. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1459-1469.	9.3	73
34	Observer-Based Robust Coordinated Control of Multiagent Systems With Input Saturation. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1933-1946.	11.3	71
35	Improved exponential observer design for oneâ€sided Lipschitz nonlinear systems. International Journal of Robust and Nonlinear Control, 2016, 26, 3958-3973.	3.7	70
36	Adaptive second-order consensus of multi-agent systems with heterogeneous nonlinear dynamics and time-varying delays. Neurocomputing, 2013, 118, 289-300.	5.9	68

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37	Observer-Based Discrete-Time Nonnegative Edge Synchronization of Networked Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2446-2455.	11.3	65
38	Controllability of switching networks of multiâ€agent systems. International Journal of Robust and Nonlinear Control, 2012, 22, 630-644.	3.7	63
39	Finite-Time Synchronization of Markovian Coupled Neural Networks With Delays via Intermittent Quantized Control: Linear Programming Approach. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5268-5278.	11.3	63
40	Pinning Control of Complex Networked Systems. , 2013, , .		62
41	Adaptive consensus with a virtual leader of multiple agents governed by locally Lipschitz nonlinearity. International Journal of Robust and Nonlinear Control, 2013, 23, 978-990.	3.7	60
42	Semi-global and global containment control of multi-agent systems with second-order dynamics and input saturation. International Journal of Robust and Nonlinear Control, 2016, 26, 3460-3480.	3.7	60
43	Switching controllability of discrete-time multi-agent systems with multiple leaders and time-delays. Applied Mathematics and Computation, 2014, 228, 571-588.	2.2	56
44	Second-order controllability of two-time-scale multi-agent systems. Applied Mathematics and Computation, 2019, 343, 299-313.	2.2	56
45	Collective Dynamics and Control for Multiple Unmanned Surface Vessels. IEEE Transactions on Control Systems Technology, 2020, 28, 2540-2547.	5.2	55
46	Controllability of Two-Time-Scale Discrete-Time Multiagent Systems. IEEE Transactions on Cybernetics, 2020, 50, 1440-1449.	9.5	53
47	Coordination Control for Uncertain Networked Systems Using Interval Observers. IEEE Transactions on Cybernetics, 2020, 50, 4008-4019.	9.5	53
48	Observer-Based Synchronization of Chaotic Systems Satisfying Incremental Quadratic Constraints and Its Application in Secure Communication. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5221-5232.	9.3	51
49	Consensus networks with switching topology and time-delays over finite fields. Automatica, 2016, 68, 39-43.	5.0	50
50	Group controllability of two-time-scale multi-agent networks. Journal of the Franklin Institute, 2018, 355, 6045-6061.	3.4	50
51	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
52	Necessary and sufficient conditions for distributed containment control of multiâ€agent systems without velocity measurement. IET Control Theory and Applications, 2014, 8, 1752-1759.	2.1	49
53	Discrete-Time Positive Edge-Consensus for Undirected and Directed Nodal Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 221-225.	3.0	48
54	Time-varying formation for linear multi-agent systems based on sampled data with multiple leaders. Neurocomputing, 2019, 339, 59-65.	5.9	48

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55	Necessary and Sufficient Conditions for Consensus in Fractional-Order Multiagent Systems via Sampled Data Over Directed Graph. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2501-2511.	9.3	47
56	Finite-time bipartite synchronization of switched competitive neural networks with time delay via quantized control. ISA Transactions, 2022, 125, 156-165.	5.7	47
57	Nonnegative Edge Quasi-Consensus of Networked Dynamical Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 304-308.	3.0	46
58	Semiâ€global containment control of multiâ€agent systems with input saturation. IET Control Theory and Applications, 2014, 8, 2229-2237.	2.1	43
59	Containment control of second-order multi-agent systems via intermittent sampled position data communication. Applied Mathematics and Computation, 2019, 362, 124522.	2.2	41
60	Semiglobal Observer-Based Non-Negative Edge Consensus of Networked Systems With Actuator Saturation. IEEE Transactions on Cybernetics, 2020, 50, 2827-2836.	9.5	41
61	Adaptive Bipartite Time-Varying Output Formation Control for Multiagent Systems on Signed Directed Graphs. IEEE Transactions on Cybernetics, 2022, 52, 8987-9000.	9.5	41
62	Consensus of Second-Order Hybrid Multiagent Systems by Event-Triggered Strategy. IEEE Transactions on Cybernetics, 2020, 50, 4648-4657.	9.5	39
63	Consensus of hybrid multi-agent systems by event-triggered/self-triggered strategy. Applied Mathematics and Computation, 2019, 359, 490-501.	2.2	38
64	Reduced-order interval observer based consensus for MASs with time-varying interval uncertainties. Automatica, 2022, 135, 109989.	5.0	38
65	Flocking of multiple autonomous agents with preserved network connectivity and heterogeneous nonlinear dynamics. Neurocomputing, 2013, 115, 169-177.	5.9	37
66	Nonlinear <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0002.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="script">H</mml:mi></mml:mrow><mml:mrow><mml:mo>âˆž</mml:mo></mml:mrow></mml:msub></mml:math> observer design for one-sided Lipschitz systems. Neurocomputing, 2014, 145, 505-511.	5.9	36
67	Formation-containment control of multi-robot systems under a stochastic sampling mechanism. Science China Technological Sciences, 2020, 63, 1025-1034.	4.0	36
68	Adaptive cluster synchronisation of coupled harmonic oscillators with multiple leaders. IET Control Theory and Applications, 2013, 7, 765-772.	2.1	35
69	Distributed estimation and control for mobile sensor networks with coupling delays. ISA Transactions, 2016, 64, 141-150.	5.7	35
70	Group controllability of discrete-time multi-agent systems. Journal of the Franklin Institute, 2016, 353, 3524-3559.	3.4	35
71	Reaching Non-Negative Edge Consensus of Networked Dynamical Systems. IEEE Transactions on Cybernetics, 2018, 48, 2712-2722.	9.5	35
72	Distributed estimation and control for two-target tracking mobile sensor networks. Journal of the Franklin Institute, 2017, 354, 2994-3007.	3.4	34

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73	Some necessary and sufficient conditions for containment of second-order multi-agent systems with sampled position data. Neurocomputing, 2020, 378, 228-237.	5.9	34
74	Scanning-Chain Formation Control for Multiple Unmanned Surface Vessels to Pass Through Water Channels. IEEE Transactions on Cybernetics, 2022, 52, 1850-1861.	9.5	34
75	Adaptive bipartite consensus of competitive linear multiâ€agent systems with asynchronous intermittent communication. International Journal of Robust and Nonlinear Control, 2022, 32, 5120-5140.	3.7	34
76	General Lyapunov Functions for Consensus of Nonlinear Multiagent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1232-1236.	3.0	33
77	Eventâ€triggered consensus of nonâ€linear multiâ€agent systems with sampling data and time delay. IET Control Theory and Applications, 2017, 11, 1715-1725.	2.1	33
78	Fullâ€order sliding mode control for finiteâ€time attitude tracking of rigid spacecraft. IET Control Theory and Applications, 2018, 12, 1086-1094.	2.1	33
79	Consensus of Delayed Fractional-Order Multiagent Systems With Intermittent Sampled Data. IEEE Transactions on Industrial Informatics, 2020, 16, 3828-3837.	11.3	33
80	Containment control for coupled harmonic oscillators with multiple leaders under directed topology. International Journal of Control, 2015, 88, 248-255.	1.9	32
81	Leaderâ€following consensus of general linear fractionalâ€order multiagent systems with input delay via eventâ€triggered control. International Journal of Robust and Nonlinear Control, 2018, 28, 5717-5729.	3.7	32
82	Disturbance-observer based consensus of linear multi-agent systems with exogenous disturbance under intermittent communication. Neurocomputing, 2020, 404, 26-33.	5.9	32
83	Containment for linear multi-agent systems with exogenous disturbances. Neurocomputing, 2015, 160, 206-212.	5.9	31
84	Quantized Consensus of Multi-Agent Networks With Sampled Data and Markovian Interaction Links. IEEE Transactions on Cybernetics, 2019, 49, 1816-1825.	9.5	31
85	Observer-based semi-global consensus of discrete-time multi-agent systems with input saturation. Transactions of the Institute of Measurement and Control, 2016, 38, 665-674.	1.7	30
86	Cluster consensus for second-order mobile multi-agent systems via distributed adaptive pinning control under directed topology. Nonlinear Dynamics, 2016, 83, 1975-1985.	5.2	30
87	Event-triggered Kalman-consensus filter for two-target tracking sensor networks. ISA Transactions, 2017, 71, 103-111.	5.7	29
88	Leader-following consensus of nonlinear fractional-order multi-agent systems over directed networks. Nonlinear Dynamics, 2019, 96, 1391-1403.	5.2	29
89	Completely model-free RL-based consensus of continuous-time multi-agent systems. Applied Mathematics and Computation, 2020, 382, 125312.	2.2	29
90	Bipartite Consensus for Second-Order Multiagent Systems With Matrix-Weighted Signed Network. IEEE Transactions on Cybernetics, 2022, 52, 13038-13047.	9.5	28

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91	Observer-Based H âˆž Synchronization and Unknown Input Recovery for a Class of Digital Nonlinear Systems. Circuits, Systems, and Signal Processing, 2013, 32, 2867-2881.	2.0	26
92	Flocking of networked Eulerâ€“Lagrange systems with uncertain parameters and time-delays under directed graphs. Nonlinear Dynamics, 2016, 85, 415-424.	5.2	26
93	Event-triggered consensus tracking for fractional-order multi-agent systems with general linear models. Neurocomputing, 2018, 315, 292-298.	5.9	26
94	The Bipartite Consensus for Multi-Agent Systems With Matrix-Weight-Based Signed Network. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2019-2023.	3.0	26
95	Second-Order Consensus of Multi-agent Systems via Periodically Intermittent Pinning Control. Circuits, Systems, and Signal Processing, 2016, 35, 2413-2431.	2.0	25
96	Consensus in Fractional-Order Multi-Agent Systems With Intermittence Sampled Data Over Directed Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 365-369.	3.0	25
97	Flocking in Multi-Agent Systems with Multiple Virtual Leaders Based Only on Position Measurements. Communications in Theoretical Physics, 2012, 57, 801-807.	2.5	24
98	Global coordinated tracking of multi-agent systems with disturbance uncertainties via bounded control inputs. Nonlinear Dynamics, 2015, 82, 2059-2068.	5.2	24
99	Distributed Bounds on the Algebraic Connectivity of Graphs With Application to Agent Networks. IEEE Transactions on Cybernetics, 2017, 47, 2121-2131.	9.5	24
100	Group controllability of continuousâ€time multiâ€agent systems. IET Control Theory and Applications, 2018, 12, 1665-1671.	2.1	24
101	Adaptive Synchronization of Complex Dynamical Networks with Time-Varying Delays. Circuits, Systems, and Signal Processing, 2014, 33, 1173-1188.	2.0	23
102	Formation-containment control for multi-agent systems with sampled data and time delays. Neurocomputing, 2021, 424, 125-131.	5.9	23
103	Asynchronous Control of Switched Discrete-Time Positive Systems With Delay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7193-7200.	9.3	23
104	Swarming of heterogeneous multi-agent systems with periodically intermittent control. Neurocomputing, 2016, 207, 213-219.	5.9	22
105	Second-Order Consensus of Hybrid Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6503-6512.	9.3	21
106	An overview of coordinated control for multi-agent systems subject to input saturation. Perspectives in Science, 2016, 7, 133-139.	0.6	20
107	Semi-global leader-following coordination of multi-agent systems with input saturation and aperiodic intermittent communications. Journal of the Franklin Institute, 2019, 356, 1051-1066.	3.4	20
108	Finite-time consensus of second-order multi-agent systems via a structural approach. Journal of the Franklin Institute, 2016, 353, 3876-3896.	3.4	19

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109	Global Consensus of Positive Edge System With Sector Input Nonlinearities. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4057-4066.	9.3	19
110	Interval Observer Design and Consensus of MultiAgent Systems with Time-Varying Interval Uncertainties. SIAM Journal on Control and Optimization, 2021, 59, 3392-3417.	2.1	19
111	Second-order consensus of multiagent systems with matrix-weighted network. Neurocomputing, 2021, 433, 1-9.	5.9	19
112	Controllability of Discrete-Time Multi-Agent Systems with Multiple Leaders on Fixed Networks. Communications in Theoretical Physics, 2012, 58, 856-862.	2.5	18
113	Distributed Adaptive Consensus of Parabolic PDE Agents on Switching Graphs With Relative Output Information. IEEE Transactions on Industrial Informatics, 2022, 18, 297-304.	11.3	18
114	Consensus networks with time-delays over finite fields. International Journal of Control, 2016, 89, 1000-1008.	1.9	17
115	Consensus-Based Distributed Reduced-Order Observer Design for LTI Systems. IEEE Transactions on Cybernetics, 2022, 52, 6331-6341.	9.5	17
116	Distributed estimation and control of mobile sensor networks based only on position measurements. IET Control Theory and Applications, 2017, 11, 1627-1633.	2.1	16
117	Semi-global observer-based nonnegative edge-consensus of linear discrete-time multi-agent systems with nonnegative constraint and input saturation. Neurocomputing, 2019, 339, 36-44.	5.9	15
118	Positive edge consensus of networked systems with input saturation. ISA Transactions, 2020, 96, 210-217.	5.7	15
119	Adaptive Observer-Based Output Regulation of Multiagent Systems With Communication Constraints. IEEE Transactions on Cybernetics, 2021, 51, 5259-5268.	9.5	15
120	Robust Global Coordination of Networked Systems With Input Saturation and External Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7788-7800.	9.3	15
121	Distributed Adaptive Containment Control for Coupled Reaction-Diffusion Neural Networks With Directed Topology. IEEE Transactions on Cybernetics, 2022, 52, 6320-6330.	9.5	15
122	Flocking of uncertain nonlinear multi-agent systems via distributed adaptive event-triggered control. Neurocomputing, 2021, 465, 503-513.	5.9	15
123	Containment Control for Networked Fractional-Order Systems With Sampled Position Data. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3881-3889.	5.4	14
124	Event-triggered tracking control for discrete-time multi-agent systems. IMA Journal of Mathematical Control and Information, 2014, 31, 165-182.	1.7	13
125	Robust semiglobal swarm tracking of coupled harmonic oscillators with input saturation and external disturbance. International Journal of Robust and Nonlinear Control, 2018, 28, 1566-1582.	3.7	13
126	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

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127	On the Observability of Leader-Based Multiagent Systems with Fixed Topology. Complexity, 2019, 2019, 1-10.	1.6	13
128	Fractional-order controllability of multi-agent systems with time-delay. Neurocomputing, 2021, 424, 268-277.	5.9	13
129	Some necessary and sufficient conditions for containment of second-order multi-agent systems with intermittent sampled data. ISA Transactions, 2021, 108, 154-163.	5.7	13
130	Local Synchronization on Asynchronous Tissue P Systems With Symport/Antiport Rules. IEEE Transactions on Nanobioscience, 2020, 19, 315-320.	3.3	12
131	A weighted adaptive-velocity self-organizing model and its high-speed performance. Neurocomputing, 2016, 216, 402-408.	5.9	11
132	Continuous-Time Opinion Dynamics With Stochastic Multiplicative Noises. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 988-992.	3.0	11
133	Model-Free Algorithms for Containment Control of Saturated Discrete-Time Multiagent Systems via Q-Learning Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1308-1316.	9.3	11
134	Output-Feedback Global Consensus of Discrete-Time Multiagent Systems Subject to Input Saturation via Q-Learning Method. IEEE Transactions on Cybernetics, 2022, 52, 1661-1670.	9.5	11
135	Necessary and Sufficient Conditions for Containment in Fractional-Order Multiagent Systems via Sampled Data. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 238-246.	9.3	11
136	Model-Independent Containment Control for Dynamic Multiple Euler-Lagrange Systems With Disturbances and Uncertainties. IEEE Transactions on Network Science and Engineering, 2021, 8, 3443-3452.	6.4	11
137	Interval Observer-Based Robust Coordination Control of Multi-Agent Systems Over Directed Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 5145-5155.	5.4	11
138	Consensus on Directed Matrix-Weighted Networks. IEEE Transactions on Automatic Control, 2023, 68, 2529-2535.	5.7	11
139	Coordinated obstacle avoidance with reduced interaction. Neurocomputing, 2014, 139, 233-245.	5.9	10
140	Flocking of partially-informed multi-agent systems avoiding obstacles with arbitrary shape. Autonomous Agents and Multi-Agent Systems, 2015, 29, 943-972.	2.1	10
141	Improved results on generalised robust H âˆž filtering for Lipschitz descriptor nonâ€linear systems with uncertainties. IET Control Theory and Applications, 2015, 9, 2107-2114.	2.1	10
142	Desensitized cubature Kalman filter with uncertain parameters. Journal of the Franklin Institute, 2017, 354, 8358-8373.	3.4	10
143	Edge consensus on complex networks: a structural analysis. International Journal of Control, 2017, 90, 1584-1596.	1.9	10
144	An iterative Q-learning based global consensus of discrete-time saturated multi-agent systems. Chaos, 2019, 29, 103127.	2.5	10

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145	Sampledâ€data leaderâ€“follower algorithm for flocking of multiâ€agent systems. IET Control Theory and Applications, 2019, 13, 609-619.	2.1	10
146	A Fully Distributed Protocol for Flocking of Time-Varying Linear Systems With Dynamic Leader and External Disturbance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1234-1242.	9.3	10
147	Controllability of discrete-time multi-agent systems based on absolute protocol with time-delays. Neurocomputing, 2020, 409, 316-328.	5.9	10
148	Framework based on communicability to measure the similarity of nodes in complex networks. Information Sciences, 2020, 524, 241-253.	6.9	10
149	Controllability for multi-agent systems with matrix-weight-based signed network. Applied Mathematics and Computation, 2021, 411, 126520.	2.2	10
150	Second-Order Consensus for Multiagent Systems With Switched Dynamics and Sampled Position Data. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4129-4137.	9.3	10
151	Sampling-Based Event-Triggered Exponential Synchronization for Reaction-Diffusion Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1209-1217.	11.3	10
152	Editorial: Coâ€operative Multiâ€Agent Systems with Engineering Applications. IET Control Theory and Applications, 2015, 9, 309-311.	2.1	9
153	Second-Order Consensus for Multiagent Systems With Switched Dynamics. IEEE Transactions on Cybernetics, 2022, 52, 4105-4114.	9.5	9
154	Opinion separation in leaderâ€“follower coopetitive social networks. Neurocomputing, 2021, 434, 90-97.	5.9	9
155	Identification of Network Topology Variations Based on Spectral Entropy. IEEE Transactions on Cybernetics, 2022, 52, 10468-10478.	9.5	9
156	Interval Coordination of Multiagent Networks With Antagonistic Interactions. IEEE Transactions on Automatic Control, 2023, 68, 2552-2559.	5.7	9
157	Controllability of Second-Order Multiagent Systems with Multiple Leaders and General Dynamics. Mathematical Problems in Engineering, 2013, 2013, 1-6.	1.1	8
158	Controllability of heterogeneous multiagent systems with two-time-scale feature. Chaos, 2019, 29, 043116.	2.5	8
159	Distributed load sharing and transmission power loss optimisation for DC microgrids. IET Control Theory and Applications, 2019, 13, 2930-2939.	2.1	8
160	Detection of Data Integrity Attacks in Distributed State Estimation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7735-7744.	9.3	8
161	Observability of Leader-Based Discrete-Time Multi-Agent Systems Over Signed Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 25-39.	6.4	8
162	Semiglobal Observer-Based Positive Scaled Edge-Consensus of Networked Discrete-Time Systems Under Actuator Saturation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4543-4554.	9.3	8

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163	Finite-Time Output Synchronization for Output-Coupled Reaction-Diffusion Neural Networks With Directed Topology. IEEE Transactions on Network Science and Engineering, 2022, 9, 1386-1394.	6.4	8
164	Observer-based consensus for fractional-order multi-agent systems with positive constraint. Neurocomputing, 2022, 501, 489-498.	5.9	8
165	On decentralized adaptive pinning synchronization of complex dynamical networks. , 2010, , .		7
166	Computation of Upper Bounds for the Solution of Continuous Algebraic Riccati Equations. Circuits, Systems, and Signal Processing, 2013, 32, 1477-1488.	2.0	7
167	Consensus of edge dynamics on directed multi-agent systems. , 2014, , .		7
168	Robust adaptive synchronization of complex network with bounded disturbances. Advances in Difference Equations, 2019, 2019, .	3.5	7
169	Observability of Heterogeneous Multi-Agent Systems. IEEE Transactions on Network Science and Engineering, 2021, 8, 1828-1841.	6.4	7
170	Containment control in fractional-order multi-agent systems with intermittent sampled data over directed networks. Neurocomputing, 2021, 442, 209-220.	5.9	7
171	Finite-size scaling of geometric renormalization flows in complex networks. Physical Review E, 2021, 104, 034304.	2.1	7
172	Distributed Adaptive Output Feedback Consensus of Parabolic PDE Agents on Undirected Networks. IEEE Transactions on Cybernetics, 2022, 52, 7742-7752.	9.5	7
173	Adaptive Synchronization of Complex Dynamical Networks Governed by Local Lipschitz Nonlinearlity on Switching Topology. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.9	6
174	Fault detection and identification for a class of nonlinear systems with model uncertainty. Applied Mathematical Modelling, 2016, 40, 7368-7381.	4.2	6
175	Semiâ€global leaderâ€following consensus of discreteâ€time linear multiâ€agent systems subject to actuator position and rate saturation. International Journal of Robust and Nonlinear Control, 2017, 27, 2921-2936.	3.7	6
176	A Geometric Approach to Second-Order Consensus of Heterogeneous Networked Systems. IEEE Transactions on Cybernetics, 2024, , 1-10.	9.5	6
177	Observability of leaderâ€based discreteâ€time multiâ€agent systems with switching topology. IET Control Theory and Applications, 2020, 14, 2462-2471.	2.1	6
178	Model-Free Event-Triggered Consensus Algorithm for Multiagent Systems Using Reinforcement Learning Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5212-5221.	9.3	6
179	Geometric Renormalization Reveals the Self-Similarity of Weighted Networks. IEEE Transactions on Computational Social Systems, 2023, 10, 426-434.	4.4	6
180	Consensus of Matrix-Weighted Hybrid Multiagent Systems. IEEE Transactions on Cybernetics, 2023, 53, 668-678.	9.5	6

#	Article	IF	Citations
181	Coordinated Control of Multiple Mobile Agents with Connectivity Preserving. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 3725-3730.	0.4	5
182	Nonnegative edge consensus of networked linear systems. , 2016, , .		5
183	General Second-Order Consensus of Discrete-Time Multiagent Systems via Q-Learning Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1417-1425.	9.3	5
184	H _{â^ž} Control for Observer-Based Non-Negative Scaled Edge-Consensus of Networked Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7801-7812.	9.3	5
185	Semi-global Adaptive Bipartite Output Consensus of Multi-agent Systems Subject to Input Saturation and External Disturbance Under Switching Network. International Journal of Control, Automation and Systems, 2021, 19, 3037-3048.	2.7	5
186	Secondâ€order controllability of twoâ€timeâ€Scale discreteâ€time multiâ€agent systems. IET Control Theory and Applications, 2019, 13, 2356-2364.	2.1	5
187	Neighborhood Interval Observer Based Coordination Control for Multi-agent Systems with Disturbances. IFAC-PapersOnLine, 2020, 53, 10994-10999.	0.9	5
188	Swarm aggregations of heterogeneous multi-agent systems. International Journal of Control, 2014, 87, 2594-2603.	1.9	4
189	A Control Lyapunov Function Approach to Stabilization of Affine Nonlinear Systems with Bounded Uncertain Parameters. Circuits, Systems, and Signal Processing, 2015, 34, 341-352.	2.0	4
190	Robust Semi-global Coordinated Tracking of Saturated Networked Systems * *This work was supported by the National Natural Science Foundation of China under Grant Nos. 61374176, 61473129 and 61374160, the Science Fund for Creative Research Groups of the National Natural Science Foundation of China (Nos. 61521063).. IFAC-PapersOnLine, 2017, 50, 8303-8308.	0.9	4
191	Eventâ€based asynchronous communication and sampled control for synchronization of multiagent networks with input saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 1871-1885.	3.7	4
192	Stochastic stability analysis of evolutionary two-player games on regular graphs. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122364.	2.6	4
193	Observer-based semi-global containment of saturated multi-agent systems with uncertainties. Journal of the Franklin Institute, 2021, 358, 7740-7760.	3.4	4
194	Inverse-Optimal Consensus Control of Fractional-Order Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5320-5331.	9.3	4
195	Finite-Time Output Synchronization of Multiple Weighted Reactionâ€“Diffusion Neural Networks With Adaptive Output Couplings. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 169-181.	11.3	4
196	${H_infty }$ 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
197	Reduced-order observer design for one-sided lipschitz nonlinear systems with unknown inputs. , 2014, , .		3
198	Semiâ€global consensus with position limited and rate disturbances via low gain feedback and integral sliding mode control. IET Control Theory and Applications, 2017, 11, 1173-1183.	2.1	3

#	Article	IF	Citations
199	Adaptive Leader-Follower Flocking for Uncertain Lagrange Systems with Input Saturation and External Disturbances. , 2018, , .		3
200	A Brief Overview of Flocking Control for Multi-agent Systems. Lecture Notes in Computer Science, 2018, , 48-58.	1.3	3
201	Group controllability of two-time-scale discrete-time multi-agent systems. Journal of the Franklin Institute, 2020, 357, 3524-3540.	3.4	3
202	Hâ^ž Control for Observer-Based Non-Negative Edge Consensus of Discrete-Time Networked Systems. IEEE Transactions on Cybernetics, 2022, 52, 2351-2360.	9.5	3
203	Consensus of Continuous-Time Linear Multiagent Systems With Discrete Measurements. IEEE Transactions on Cybernetics, 2022, 52, 3196-3206.	9.5	3
204	A New Perspective to Algebraic Characterization on Controllability of Multiagent Systems. Complexity, 2020, 2020, 1-12.	1.6	3
205	The variant d-path Laplacian based consensus protocols for networked harmonic oscillators. Neurocomputing, 2021, 422, 277-286.	5.9	3
206	Semiglobal Robust Consensus of General Linear MASs Subject to Input Saturation and Additive Perturbations. IEEE Transactions on Cybernetics, 2023, 53, 3806-3817.	9.5	3
207	Robust Consensus of Multiagent Dynamics With Transmission Constraints and Noises. IEEE Transactions on Network Science and Engineering, 2022, 9, 1540-1552.	6.4	3
208	Distributed Observer-Based Leaderâ€“Follower Consensus of Multiple Eulerâ€“Lagrange Systems. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 157-168.	11.3	3
209	Second-Order Consensus for Multi-Agent Systems With Various Intelligent Levels via Intermittent Sampled-Data Control. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4899-4903.	3.0	3
210	Second-order leader-following consensus of multi-agent systems with nonlinear dynamics and time delay via periodically intermittent pinning control. , 2013, , .		2
211	Self-triggered based semi-global consensus tracking of multi-agent systems with input saturation. , 2015, , .		2
212	Observer-based robust coordinated tracking of multi-agent systems with input saturation. , 2015, , .		2
213	Distributed Cooperative Attitude Tracking for Multiple Flexible Spacecraft under a Directed Graph. , 2019, , .		2
214	The Infimum on Laplacian Eigenvalues of a Connected Extended Graph: An Edge-Grafting Perspective. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2627-2631.	3.0	2
215	Leaderâ€“follower controllability of signed networks. ISA Transactions, 2021, , .	5.7	2
216	Adaptive group consensus of coupled harmonic oscillators with multiple leaders. , 2012, , .		1

#	Article	IF	Citations
217	Adaptive synchronization for nonlinear coupled complex network with nonidentical nodes. , 2014, , .		1
218	Distributed adaptive containment for linear multi-agent systems using output information. , 2015, , .		1
219	Global bounded consensus of general nonidentical networks with distributed time-delays. , 2015, , .		1
220	Group Controllability of Discrete-Time Time-Delayed Multiagent Systems with Multiple Leaders. Complexity, 2020, 2020, 1-10.	1.6	1
221	Adaptive Bipartite Time-Varying Formation Control for Multi-Agent Systems on Directed Graph. , 2020, , .		1
222	On the Group Controllability of Leader-Based Continuous-Time Multiagent Systems. Complexity, 2020, 2020, 1-11.	1.6	1
223	Positive consensus of fractional-order multi-agent systems. Neural Computing and Applications, 2021, 33, 16139-16148.	5.6	1
224	Robust flocking for non-identical second-order nonlinear multi-agent systems. Autonomous Intelligent Systems, 2021, 1, 1.	3.1	1
225	Distributed Pinning-Controlled Consensus in a Heterogeneous Influence Network. , 2013, , 103-110.		1
226	Distributed Pinning-Controlled Flocking with a Virtual Leader. , 2013, , 111-136.		1
227	Distributed algorithm for mixed equilibrium problems with event-triggered strategy. Neural Computing and Applications, 2022, 34, 16463-16472.	5.6	1
228	Distributed Pinning-Controlled Second-Order Consensus of Multi-Agent Systems. , 2013, , 61-101.		0
229	Distributed algorithms for shape sculpting of lattice-arrayed modular robots via hole motion. , 2013, ,		0
230	Distributed Leader-following Swarm of Heterogeneous Multi-agent Systems* *This work is supported by the National Natural Science Foundation of China under Grant Nos. 61074125, 61104140, 61004093, and 61073102, the Science Fund for Creative Research Groups of the National Natural Science Foundation of China (No. 61221003), the National Key Basic Research Program (973 Program) of China (No. 2010CB731403), the Research Fund for the Doctoral program of Higher Education (RDP) under Grant No. 20100142120023, and. IFAC Postprint Volumes IPPV / International Federation of Automatic Co	0.4	0
231	Modeling and Control of Complex Networked Systems. Mathematical Problems in Engineering, 2014, 2014, 1-2.	1.1	0
232	A Single-Leader Servo Approach to Multi-Agent Consensus Problems. , 2014, , .		0
233	Pinning-like adaptive second-order consensus for networked mobile agents with heterogeneous nonlinear dynamics. , 2014, , .		0
234	Coordinated Control and Estimation of Multiagent Systems with Engineering Applications. Mathematical Problems in Engineering, 2015, 2015, 1-2.	1.1	0

#	Article	IF	Citations
235	Control of Networked Systems with Engineering Applications. Mathematical Problems in Engineering, 2016, 2016, 1-2.	1.1	0
236	Observer-Based Robust Containment Control of Multi-agent Systems With Input Saturation. , 2020, , .		0
237	Distributed Pinning-Controlled Flocking with Preserved Network Connectivity. , 2013, , 137-160.		0
238	Multiâ€rate sampledâ€data algorithm for leaderâ€“follower flocking. IET Control Theory and Applications, 2020, 14, 3038-3046.	2.1	0
239	Semi-global scaled edge-consensus of linear discrete-time multi-agent systems with positive constraint and input saturation. , 2020, , .		0
240	The variant d-path Laplacian based consensus of networked lpv multi-agent systems. , 2020, , .		0