# Housheng Su

List of Publications by Year
in descending order

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|---|---|---|---|
| 240 papers | 9,230 citations | 41258 49 h-index | 48187 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. | 3.6 | 778 |
| 2 | Adaptive second-order consensus of networked mobile agents with nonlinear dynamics. Automatica, 2011, 47, 368-375. | 3.0 | 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. | 3.5 | 450 |
| 4 | Semiglobal Observer-Based Leader-Following Consensus With Input Saturation. IEEE Transactions on Industrial Electronics, 2014, 61, 2842-2850. | 5.2 | 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. | 3.5 | 242 |
| 6 | Rendezvous of multiple mobile agents with preserved network connectivity. Systems and Control Letters, 2010, 59, 313-322. | 1.3 | 241 |
| 7 | Decentralized Adaptive Pinning Control for Cluster Synchronization of Complex Dynamical Networks. IEEE Transactions on Cybernetics, 2013, 43, 394-399. | 6.2 | 241 |
| 8 | Fully Distributed Event-Triggered Semiglobal Consensus of Multi-agent Systems With Input Saturation. IEEE Transactions on Industrial Electronics, 2017, 64, 5055-5064. | 5.2 | 194 |
| 9 | Synchronization of coupled harmonic oscillators in a dynamic proximity network. Automatica, 2009, 45, 2286-2291. | 3.0 | 178 |
| 10 | A connectivity-preserving flocking algorithm for multi-agent systems based only on position measurements. International Journal of Control, 2009, 82, 1334-1343. | 1.2 | 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. | 7.2 | 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. | 1.7 | 137 |
| 13 | Unknown input observer design for one-sided Lipschitz nonlinear systems. Nonlinear Dynamics, 2015, 79, 1469-1479. | 2.7 | 120 |
| 14 | On decentralized adaptive full-order sliding mode control of multiple UAVs. ISA Transactions, 2017, 71, 196-205. | 3.1 | 120 |
| 15 | Non-linear observer design for one-sided Lipschitz systems: an linear matrix inequality approach. IET Control Theory and Applications, 2012, 6, 1297. | 1.2 | 111 |
| 16 | Flocking in multiâ€agent systems with multiple virtual leaders. Asian Journal of Control, 2008, 10, 238-245. | 1.9 | 110 |
| 17 | Multiâ€agent containment control with input saturation on switching topologies. IET Control Theory and Applications, 2015, 9, 399-409. | 1.2 | 106 |
| 18 | Positive Edge-Consensus for Nodal Networks via Output Feedback. IEEE Transactions on Automatic Control, 2019, 64, 1244-1249. | 3.6 | 102 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. | 3.6 | 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. | 2.1 | 94 |
| 21 | Positive Edge Consensus of Complex Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2242-2250. | 5.9 | 93 |
| 22 | Semi-global containment control of multi-agent systems with intermittent input saturation. Journal of the Franklin Institute, 2015, 352, 3504-3525. | 1.9 | 90 |
| 23 | Second-Order Consensus for Multiagent Systems via Intermittent Sampled Position Data Control. IEEE Transactions on Cybernetics, 2020, 50, 2063-2072. | 6.2 | 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. | 2.2 | 88 |
| 25 | A Connectivity-preserving flocking algorithm for multi-agent dynamical systems with bounded potential function. IET Control Theory and Applications, 2012, 6, 813. | 1.2 | 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. | 6.2 | 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. | 7.2 | 85 |
| 28 | Pinning control of complex networked systems: A decade after and beyond. Annual Reviews in Control, 2014, 38, 103-111. | 4.4 | 80 |
| 29 | Self-triggered leader-following consensus of multi-agent systems with input time delay. Neurocomputing, 2019, 330, 70-77. | 3.5 | 80 |
| 30 | Eventâ€based synchronisation of linear discreteâ€time dynamical networks. IET Control Theory and Applications, 2015, 9, 755-765. | 1.2 | 79 |
| 31 | Semi-global output consensus of discrete-time multi-agent systems with input saturation and external disturbances. ISA Transactions, 2017, 67, 131-139. | 3.1 | 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. | 0.9 | 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. | 5.9 | 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. | 7.2 | 71 |
| 35 | Improved exponential observer design for oneâ€sided Lipschitz nonlinear systems. International Journal of Robust and Nonlinear Control, 2016, 26, 3958-3973. | 2.1 | 70 |
| 36 | Adaptive second-order consensus of multi-agent systems with heterogeneous nonlinear dynamics and time-varying delays. Neurocomputing, 2013, 118, 289-300. | 3.5 | 68 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Observer-Based Discrete-Time Nonnegative Edge Synchronization of Networked Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2446-2455. | 7.2 | 65 |
| 38 | Controllability of switching networks of multiâ€agent systems. International Journal of Robust and Nonlinear Control, 2012, 22, 630-644. | 2.1 | 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. | 7.2 | 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. | 2.1 | 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. | 2.1 | 60 |
| 43 | Switching controllability of discrete-time multi-agent systems with multiple leaders and time-delays. Applied Mathematics and Computation, 2014, 228, 571-588. | 1.4 | 56 |
| 44 | Second-order controllability of two-time-scale multi-agent systems. Applied Mathematics and Computation, 2019, 343, 299-313. | 1.4 | 56 |
| 45 | Collective Dynamics and Control for Multiple Unmanned Surface Vessels. IEEE Transactions on Control Systems Technology, 2020, 28, 2540-2547. | 3.2 | 55 |
| 46 | Controllability of Two-Time-Scale Discrete-Time Multiagent Systems. IEEE Transactions on Cybernetics, 2020, 50, 1440-1449. | 6.2 | 53 |
| 47 | Coordination Control for Uncertain Networked Systems Using Interval Observers. IEEE Transactions on Cybernetics, 2020, 50, 4008-4019. | 6.2 | 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. | 5.9 | 51 |
| 49 | Consensus networks with switching topology and time-delays over finite fields. Automatica, 2016, 68, 39-43. | 3.0 | 50 |
| 50 | Group controllability of two-time-scale multi-agent networks. Journal of the Franklin Institute, 2018, 355, 6045-6061. | 1.9 | 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. | 6.2 | 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. | 1.2 | 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. | 2.2 | 48 |
| 54 | Time-varying formation for linear multi-agent systems based on sampled data with multiple leaders. Neurocomputing, 2019, 339, 59-65. | 3.5 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. | 5.9 | 47 |
| 56 | Finite-time bipartite synchronization of switched competitive neural networks with time delay via quantized control. ISA Transactions, 2022, 125, 156-165. | 3.1 | 47 |
| 57 | Nonnegative Edge Quasi-Consensus of Networked Dynamical Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 304-308. | 2.2 | 46 |
| 58 | Semiâ€global containment control of multiâ€agent systems with input saturation. IET Control Theory and Applications, 2014, 8, 2229-2237. | 1.2 | 43 |
| 59 | Containment control of second-order multi-agent systems via intermittent sampled position data communication. Applied Mathematics and Computation, 2019, 362, 124522. | 1.4 | 41 |
| 60 | Semiglobal Observer-Based Non-Negative Edge Consensus of Networked Systems With Actuator Saturation. IEEE Transactions on Cybernetics, 2020, 50, 2827-2836. | 6.2 | 41 |
| 61 | Adaptive Bipartite Time-Varying Output Formation Control for Multiagent Systems on Signed Directed Graphs. IEEE Transactions on Cybernetics, 2022, 52, 8987-9000. | 6.2 | 41 |
| 62 | Consensus of Second-Order Hybrid Multiagent Systems by Event-Triggered Strategy. IEEE Transactions on Cybernetics, 2020, 50, 4648-4657. | 6.2 | 39 |
| 63 | Consensus of hybrid multi-agent systems by event-triggered/self-triggered strategy. Applied Mathematics and Computation, 2019, 359, 490-501. | 1.4 | 38 |
| 64 | Reduced-order interval observer based consensus for MASs with time-varying interval uncertainties. Automatica, 2022, 135, 109989. | 3.0 | 38 |
| 65 | Flocking of multiple autonomous agents with preserved network connectivity and heterogeneous nonlinear dynamics. Neurocomputing, 2013, 115, 169-177. | 3.5 | 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. | 3.5 | 36 |
| 67 | Formation-containment control of multi-robot systems under a stochastic sampling mechanism. Science China Technological Sciences, 2020, 63, 1025-1034. | 2.0 | 36 |
| 68 | Adaptive cluster synchronisation of coupled harmonic oscillators with multiple leaders. IET Control Theory and Applications, 2013, 7, 765-772. | 1.2 | 35 |
| 69 | Distributed estimation and control for mobile sensor networks with coupling delays. ISA Transactions, 2016, 64, 141-150. | 3.1 | 35 |
| 70 | Group controllability of discrete-time multi-agent systems. Journal of the Franklin Institute, 2016, 353, 3524-3559. | 1.9 | 35 |
| 71 | Reaching Non-Negative Edge Consensus of Networked Dynamical Systems. IEEE Transactions on Cybernetics, 2018, 48, 2712-2722. | 6.2 | 35 |
| 72 | Distributed estimation and control for two-target tracking mobile sensor networks. Journal of the Franklin Institute, 2017, 354, 2994-3007. | 1.9 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Some necessary and sufficient conditions for containment of second-order multi-agent systems with sampled position data. Neurocomputing, 2020, 378, 228-237. | 3.5 | 34 |
| 74 | Scanning-Chain Formation Control for Multiple Unmanned Surface Vessels to Pass Through Water Channels. IEEE Transactions on Cybernetics, 2022, 52, 1850-1861. | 6.2 | 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. | 2.1 | 34 |
| 76 | General Lyapunov Functions for Consensus of Nonlinear Multiagent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1232-1236. | 2.2 | 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. | 1.2 | 33 |
| 78 | Fullâ€order sliding mode control for finiteâ€time attitude tracking of rigid spacecraft. IET Control Theory and Applications, 2018, 12, 1086-1094. | 1.2 | 33 |
| 79 | Consensus of Delayed Fractional-Order Multiagent Systems With Intermittent Sampled Data. IEEE Transactions on Industrial Informatics, 2020, 16, 3828-3837. | 7.2 | 33 |
| 80 | Containment control for coupled harmonic oscillators with multiple leaders under directed topology. International Journal of Control, 2015, 88, 248-255. | 1.2 | 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. | 2.1 | 32 |
| 82 | Disturbance-observer based consensus of linear multi-agent systems with exogenous disturbance under intermittent communication. Neurocomputing, 2020, 404, 26-33. | 3.5 | 32 |
| 83 | Containment for linear multi-agent systems with exogenous disturbances. Neurocomputing, 2015, 160, 206-212. | 3.5 | 31 |
| 84 | Quantized Consensus of Multi-Agent Networks With Sampled Data and Markovian Interaction Links. IEEE Transactions on Cybernetics, 2019, 49, 1816-1825. | 6.2 | 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. | 1.1 | 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. | 2.7 | 30 |
| 87 | Event-triggered Kalman-consensus filter for two-target tracking sensor networks. ISA Transactions, 2017, 71, 103-111. | 3.1 | 29 |
| 88 | Leader-following consensus of nonlinear fractional-order multi-agent systems over directed networks. Nonlinear Dynamics, 2019, 96, 1391-1403. | 2.7 | 29 |
| 89 | Completely model-free RL-based consensus of continuous-time multi-agent systems. Applied Mathematics and Computation, 2020, 382, 125312. | 1.4 | 29 |
| 90 | Bipartite Consensus for Second-Order Multiagent Systems With Matrix-Weighted Signed Network. IEEE Transactions on Cybernetics, 2022, 52, 13038-13047. | 6.2 | 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. | 1.2 | 26 |
| 92 | Flocking of networked Eulerâ€“Lagrange systems with uncertain parameters and time-delays under directed graphs. Nonlinear Dynamics, 2016, 85, 415-424. | 2.7 | 26 |
| 93 | Event-triggered consensus tracking for fractional-order multi-agent systems with general linear models. Neurocomputing, 2018, 315, 292-298. | 3.5 | 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. | 2.2 | 26 |
| 95 | Second-Order Consensus of Multi-agent Systems via Periodically Intermittent Pinning Control. Circuits, Systems, and Signal Processing, 2016, 35, 2413-2431. | 1.2 | 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. | 2.2 | 25 |
| 97 | Flocking in Multi-Agent Systems with Multiple Virtual Leaders Based Only on Position Measurements. Communications in Theoretical Physics, 2012, 57, 801-807. | 1.1 | 24 |
| 98 | Global coordinated tracking of multi-agent systems with disturbance uncertainties via bounded control inputs. Nonlinear Dynamics, 2015, 82, 2059-2068. | 2.7 | 24 |
| 99 | Distributed Bounds on the Algebraic Connectivity of Graphs With Application to Agent Networks. IEEE Transactions on Cybernetics, 2017, 47, 2121-2131. | 6.2 | 24 |
| 100 | Group controllability of continuousâ€time multiâ€agent systems. IET Control Theory and Applications, 2018, 12, 1665-1671. | 1.2 | 24 |
| 101 | Adaptive Synchronization of Complex Dynamical Networks with Time-Varying Delays. Circuits, Systems, and Signal Processing, 2014, 33, 1173-1188. | 1.2 | 23 |
| 102 | Formation-containment control for multi-agent systems with sampled data and time delays. Neurocomputing, 2021, 424, 125-131. | 3.5 | 23 |
| 103 | Asynchronous Control of Switched Discrete-Time Positive Systems With Delay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7193-7200. | 5.9 | 23 |
| 104 | Swarming of heterogeneous multi-agent systems with periodically intermittent control. Neurocomputing, 2016, 207, 213-219. | 3.5 | 22 |
| 105 | Second-Order Consensus of Hybrid Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6503-6512. | 5.9 | 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. | 1.9 | 20 |
| 108 | Finite-time consensus of second-order multi-agent systems via a structural approach. Journal of the Franklin Institute, 2016, 353, 3876-3896. | 1.9 | 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. | 5.9 | 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. | 1.1 | 19 |
| 111 | Second-order consensus of multiagent systems with matrix-weighted network. Neurocomputing, 2021, 433, 1-9. | 3.5 | 19 |
| 112 | Controllability of Discrete-Time Multi-Agent Systems with Multiple Leaders on Fixed Networks. Communications in Theoretical Physics, 2012, 58, 856-862. | 1.1 | 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. | 7.2 | 18 |
| 114 | Consensus networks with time-delays over finite fields. International Journal of Control, 2016, 89, 1000-1008. | 1.2 | 17 |
| 115 | Consensus-Based Distributed Reduced-Order Observer Design for LTI Systems. IEEE Transactions on Cybernetics, 2022, 52, 6331-6341. | 6.2 | 17 |
| 116 | Distributed estimation and control of mobile sensor networks based only on position measurements. IET Control Theory and Applications, 2017, 11, 1627-1633. | 1.2 | 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. | 3.5 | 15 |
| 118 | Positive edge consensus of networked systems with input saturation. ISA Transactions, 2020, 96, 210-217. | 3.1 | 15 |
| 119 | Adaptive Observer-Based Output Regulation of Multiagent Systems With Communication Constraints. IEEE Transactions on Cybernetics, 2021, 51, 5259-5268. | 6.2 | 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. | 5.9 | 15 |
| 121 | Distributed Adaptive Containment Control for Coupled Reaction-Diffusion Neural Networks With Directed Topology. IEEE Transactions on Cybernetics, 2022, 52, 6320-6330. | 6.2 | 15 |
| 122 | Flocking of uncertain nonlinear multi-agent systems via distributed adaptive event-triggered control. Neurocomputing, 2021, 465, 503-513. | 3.5 | 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. | 3.5 | 14 |
| 124 | Event-triggered tracking control for discrete-time multi-agent systems. IMA Journal of Mathematical Control and Information, 2014, 31, 165-182. | 1.1 | 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. | 2.1 | 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. | 1.2 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | On the Observability of Leader-Based Multiagent Systems with Fixed Topology. Complexity, 2019, 2019, 1-10. | 0.9 | 13 |
| 128 | Fractional-order controllability of multi-agent systems with time-delay. Neurocomputing, 2021, 424, 268-277. | 3.5 | 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. | 3.1 | 13 |
| 130 | Local Synchronization on Asynchronous Tissue P Systems With Symport/Antiport Rules. IEEE Transactions on Nanobioscience, 2020, 19, 315-320. | 2.2 | 12 |
| 131 | A weighted adaptive-velocity self-organizing model and its high-speed performance. Neurocomputing, 2016, 216, 402-408. | 3.5 | 11 |
| 132 | Continuous-Time Opinion Dynamics With Stochastic Multiplicative Noises. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 988-992. | 2.2 | 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. | 5.9 | 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. | 6.2 | 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. | 5.9 | 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. | 4.1 | 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. | 3.5 | 11 |
| 138 | Consensus on Directed Matrix-Weighted Networks. IEEE Transactions on Automatic Control, 2023, 68, 2529-2535. | 3.6 | 11 |
| 139 | Coordinated obstacle avoidance with reduced interaction. Neurocomputing, 2014, 139, 233-245. | 3.5 | 10 |
| 140 | Flocking of partially-informed multi-agent systems avoiding obstacles with arbitrary shape. Autonomous Agents and Multi-Agent Systems, 2015, 29, 943-972. | 1.3 | 10 |
| 141 | Improved results on generalised robust H â^ž filtering for Lipschitz descriptor nonâ€linear systems with uncertainties. IET Control Theory and Applications, 2015, 9, 2107-2114. | 1.2 | 10 |
| 142 | Desensitized cubature Kalman filter with uncertain parameters. Journal of the Franklin Institute, 2017, 354, 8358-8373. | 1.9 | 10 |
| 143 | Edge consensus on complex networks: a structural analysis. International Journal of Control, 2017, 90, 1584-1596. | 1.2 | 10 |
| 144 | An iterative Q-learning based global consensus of discrete-time saturated multi-agent systems. Chaos, 2019, 29, 103127. | 1.0 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Sampledâ€data leaderâ€“follower algorithm for flocking of multiâ€agent systems. IET Control Theory and Applications, 2019, 13, 609-619. | 1.2 | 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. | 5.9 | 10 |
| 147 | Controllability of discrete-time multi-agent systems based on absolute protocol with time-delays. Neurocomputing, 2020, 409, 316-328. | 3.5 | 10 |
| 148 | Framework based on communicability to measure the similarity of nodes in complex networks. Information Sciences, 2020, 524, 241-253. | 4.0 | 10 |
| 149 | Controllability for multi-agent systems with matrix-weight-based signed network. Applied Mathematics and Computation, 2021, 411, 126520. | 1.4 | 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. | 5.9 | 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. | 7.2 | 10 |
| 152 | Editorial: Coâ€operative Multiâ€Agent Systems with Engineering Applications. IET Control Theory and Applications, 2015, 9, 309-311. | 1.2 | 9 |
| 153 | Second-Order Consensus for Multiagent Systems With Switched Dynamics. IEEE Transactions on Cybernetics, 2022, 52, 4105-4114. | 6.2 | 9 |
| 154 | Opinion separation in leaderâ€“follower coopetitive social networks. Neurocomputing, 2021, 434, 90-97. | 3.5 | 9 |
| 155 | Identification of Network Topology Variations Based on Spectral Entropy. IEEE Transactions on Cybernetics, 2022, 52, 10468-10478. | 6.2 | 9 |
| 156 | Interval Coordination of Multiagent Networks With Antagonistic Interactions. IEEE Transactions on Automatic Control, 2023, 68, 2552-2559. | 3.6 | 9 |
| 157 | Controllability of Second-Order Multiagent Systems with Multiple Leaders and General Dynamics. Mathematical Problems in Engineering, 2013, 2013, 1-6. | 0.6 | 8 |
| 158 | Controllability of heterogeneous multiagent systems with two-time-scale feature. Chaos, 2019, 29, 043116. | 1.0 | 8 |
| 159 | Distributed load sharing and transmission power loss optimisation for DC microgrids. IET Control Theory and Applications, 2019, 13, 2930-2939. | 1.2 | 8 |
| 160 | Detection of Data Integrity Attacks in Distributed State Estimation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7735-7744. | 5.9 | 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. | 4.1 | 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. | 5.9 | 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. | 4.1 | 8 |
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