

# Yuanshi Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

2,405  
citations

279487

23  
h-index

214527

47  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1333  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Cooperative Output Regulation for Linear Multiagent Systems via Distributed Fixed-Time Event-Triggered Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2024, 35, 338-347. | 7.2 | 10        |
| 2  | Resilient Bipartite Consensus of Second-Order Multiagent Systems With Event-Triggered Communication. <i>IEEE Systems Journal</i> , 2023, 17, 146-153.   | 2.9 | 30        |
| 3  | Consensus Tracking for High-Order Uncertain Nonlinear MASs via Adaptive Backstepping Approach. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 1248-1259.   | 6.2 | 8         |
| 4  | Robust Packetized MPC for Networked Systems Subject to Packet Dropouts and Input Saturation With Quantized Feedback. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 6987-6997.                   | 6.2 | 8         |
| 5  | Observer-Based Adaptive Scaled Tracking Control for Nonlinear MASs via Command-Filtered Backstepping. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, 53, 425-437.         | 5.9 | 4         |
| 6  | Iterative Learning Control for Discrete-Time Systems With Full Learnability. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 629-643.                                    | 7.2 | 34        |
| 7  | Scaled Consensus for MASs With Mixed Time Delays and Disturbances via Observer-Based Output Feedback. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 1321-1334.                                  | 6.2 | 26        |
| 8  | Fully Distributed Scaled Consensus Tracking of High-Order Multiagent Systems With Time Delays and Disturbances. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 305-314.               | 7.2 | 76        |
| 9  | Distributed resource allocation via multi-agent systems under time-varying networks. <i>Automatica</i> , 2022, 136, 110059.   | 3.0 | 17        |
| 10 | Containment control of hybrid multi-agent systems. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 1355-1373.  | 2.1 | 11        |
| 11 | Synchronous and asynchronous resilient impulsive control for group consensus of second-order multi-agent systems with communication delays. <i>ISA Transactions</i> , 2022, 131, 274-281.             | 3.1 | 8         |
| 12 | On Distributed Nash Equilibrium Computation: Hybrid Games and a Novel Consensus-Tracking Perspective. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 5021-5031.                                  | 6.2 | 18        |
| 13 | Game-based coalescence in multi-agent systems. <i>Systems and Control Letters</i> , 2021, 148, 104853.  | 1.3 | 5         |
| 14 | Further analysis for consensus of hybrid multiagent systems: A unified framework. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 8109-8117.                                 | 2.1 | 8         |
| 15 | Consensus of hybrid multi-agent systems with heterogeneous dynamics. <i>International Journal of Control</i> , 2020, 93, 2848-2858.   | 1.2 | 19        |
| 16 | Data-based iterative learning mechanism for unknown input-output coupling parameters/matrices. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 1275-1297.                    | 2.1 | 10        |
| 17 | Winner-take-all competition with heterogeneous dynamic agents. <i>Neurocomputing</i> , 2020, 374, 42-48.  | 3.5 | 1         |
| 18 | Sampled-data based resilient consensus of heterogeneous multiagent systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 7370-7381.                                       | 2.1 | 16        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Fixed-time stability of positive nonlinear systems. Transactions of the Institute of Measurement and Control, 2020, 42, 2951-2955.  | 1.1 | 5         |
| 20 | Leader-following scaled consensus of second-order multi-agent systems under directed topologies. International Journal of Systems Science, 2019, 50, 2604-2615.               | 3.7 | 11        |
| 21 | Second-order consensus of hybrid multi-agent systems. Systems and Control Letters, 2019, 125, 51-58.  | 1.3 | 123       |
| 22 | Consensus analysis of hybrid multiagent systems: A game-theoretic approach. International Journal of Robust and Nonlinear Control, 2019, 29, 1840-1853.                       | 2.1 | 81        |
| 23 | Bipartite Consensus in Networks of Agents With Antagonistic Interactions and Quantization. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 2012-2016. | 2.2 | 140       |
| 24 | Consensus of Hybrid Multi-Agent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1359-1365.  | 7.2 | 299       |
| 25 | Consensus of Heterogeneous Multiagent Systems with Switching Dynamics. Mathematical Problems in Engineering, 2018, 2018, 1-9.   | 0.6 | 2         |
| 26 | Consensus of switched multi-agent systems with random networks. International Journal of Control, 2017, 90, 1113-1122.  | 1.2 | 27        |
| 27 | Nash Equilibrium Topology of Multi-Agent Systems With Competitive Groups. IEEE Transactions on Industrial Electronics, 2017, 64, 4956-4966.                                   | 5.2 | 28        |
| 28 | Quantized consensus of second-order multi-agent systems via impulsive control. Neurocomputing, 2017, 270, 27-33.  | 3.5 | 13        |
| 29 | Consensus of switched multi-agent systems under quantised measurements. International Journal of Systems Science, 2017, 48, 1796-1804.  | 3.7 | 9         |
| 30 | Finite-Time Consensus of Switched Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1535-1545.                                       | 5.9 | 139       |
| 31 | Consensus of Multiagent Systems With Distance-Dependent Communication Networks. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2712-2726.               | 7.2 | 59        |
| 32 | Topology selection for multi-agent systems with opposite leaders. Systems and Control Letters, 2016, 93, 43-49.   | 1.3 | 16        |
| 33 | Equilibrium topology of multi-agent systems with two leaders: A zero-sum game perspective. Automatica, 2016, 73, 200-206.   | 3.0 | 37        |
| 34 | Consensus of Switched Multiagent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 314-318.  | 2.2 | 121       |
| 35 | A novel group consensus protocol for heterogeneous multi-agent systems. International Journal of Control, 2015, 88, 2347-2353.  | 1.2 | 51        |
| 36 | Quantised consensus of multi-agent systems with nonlinear dynamics. International Journal of Systems Science, 2015, 46, 2061-2071.  | 3.7 | 12        |

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|----|---|-----|-----------|
| 37 | Containment control of switched multi-agent systems. International Journal of Control, 2015, 88, 2570-2577.   | 1.2 | 31        |
| 38 | Quantised consensus of heterogeneous multi-agent systems. IET Control Theory and Applications, 2015, 9, 2553-2560.  | 1.2 | 10        |
| 39 | LQR-based optimal topology of leader-following consensus. International Journal of Robust and Nonlinear Control, 2015, 25, 3404-3421.                     | 2.1 | 83        |
| 40 | Flocking of multi-agent systems with multiple groups. International Journal of Control, 2014, 87, 2573-2582.  | 1.2 | 34        |
| 41 | Nonlinear Gossip Algorithms for Wireless Sensor Networks. Journal of Applied Mathematics, 2014, 2014, 1-7.  | 0.4 | 2         |
| 42 | Optimal control of first-order multi-agent systems with leaders. , 2014, , .  |     | 0         |
| 43 | Group flocking of multiple mobile agents. , 2014, , .   |     | 2         |
| 44 | Finite-time consensus of multiple second-order dynamic agents without velocity measurements. International Journal of Systems Science, 2014, 45, 579-588. | 3.7 | 47        |
| 45 | Containment control of heterogeneous multi-agent systems. International Journal of Control, 2014, 87, 1-8.  | 1.2 | 179       |
| 46 | Consensus of heterogeneous multi-agent systems without velocity measurements. International Journal of Control, 2012, 85, 906-914.                        | 1.2 | 123       |
| 47 | Distributed consensus of heterogeneous multi-agent systems with fixed and switching topologies. International Journal of Control, 2012, 85, 1967-1976.    | 1.2 | 117       |
| 48 | Finite-time consensus of heterogeneous multi-agent systems with and without velocity measurements. Systems and Control Letters, 2012, 61, 871-878.        | 1.3 | 242       |
| 49 | Finite-time consensus for stochastic multi-agent systems. International Journal of Control, 2011, 84, 1644-1652.  | 1.2 | 53        |