

Yuanshi Zheng

List of Publications by Year in descending order

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49
papers

2,405
citations

279798
23
h-index

214800
47
g-index

50
all docs

50
docs citations

50
times ranked

1333
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus of Hybrid Multi-Agent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1359-1365.	11.3	299
2	Finite-time consensus of heterogeneous multi-agent systems with and without velocity measurements. Systems and Control Letters, 2012, 61, 871-878.	2.3	242
3	Containment control of heterogeneous multi-agent systems. International Journal of Control, 2014, 87, 1-8.	1.9	179
4	Bipartite Consensus in Networks of Agents With Antagonistic Interactions and Quantization. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 2012-2016.	3.0	140
5	Finite-Time Consensus of Switched Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1535-1545.	9.3	139
6	Consensus of heterogeneous multi-agent systems without velocity measurements. International Journal of Control, 2012, 85, 906-914.	1.9	123
7	Second-order consensus of hybrid multi-agent systems. Systems and Control Letters, 2019, 125, 51-58.	2.3	123
8	Consensus of Switched Multiagent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 314-318.	3.0	121
9	Distributed consensus of heterogeneous multi-agent systems with fixed and switching topologies. International Journal of Control, 2012, 85, 1967-1976.	1.9	117
10	LQR-based optimal topology of leader-following consensus. International Journal of Robust and Nonlinear Control, 2015, 25, 3404-3421.	3.7	83
11	Consensus analysis of hybrid multiagent systems: A game-theoretic approach. International Journal of Robust and Nonlinear Control, 2019, 29, 1840-1853.	3.7	81
12	Fully Distributed Scaled Consensus Tracking of High-Order Multiagent Systems With Time Delays and Disturbances. IEEE Transactions on Industrial Informatics, 2022, 18, 305-314.	11.3	76
13	Consensus of Multiagent Systems With Distance-Dependent Communication Networks. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2712-2726.	11.3	59
14	Finite-time consensus for stochastic multi-agent systems. International Journal of Control, 2011, 84, 1644-1652.	1.9	53
15	A novel group consensus protocol for heterogeneous multi-agent systems. International Journal of Control, 2015, 88, 2347-2353.	1.9	51
16	Finite-time consensus of multiple second-order dynamic agents without velocity measurements. International Journal of Systems Science, 2014, 45, 579-588.	5.5	47
17	Equilibrium topology of multi-agent systems with two leaders: A zero-sum game perspective. Automatica, 2016, 73, 200-206.	5.0	37
18	Flocking of multi-agent systems with multiple groups. International Journal of Control, 2014, 87, 2573-2582.	1.9	34

#	ARTICLE	IF	CITATIONS
19	Iterative Learning Control for Discrete-Time Systems With Full Learnability. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 629-643.	11.3	34
20	Containment control of switched multi-agent systems. International Journal of Control, 2015, 88, 2570-2577.	1.9	31
21	Resilient Bipartite Consensus of Second-Order Multiagent Systems With Event-Triggered Communication. IEEE Systems Journal, 2023, 17, 146-153.	4.6	30
22	Nash Equilibrium Topology of Multi-Agent Systems With Competitive Groups. IEEE Transactions on Industrial Electronics, 2017, 64, 4956-4966.	7.9	28
23	Consensus of switched multi-agent systems with random networks. International Journal of Control, 2017, 90, 1113-1122.	1.9	27
24	Scaled Consensus for MASs With Mixed Time Delays and Disturbances via Observer-Based Output Feedback. IEEE Transactions on Cybernetics, 2022, 52, 1321-1334.	9.5	26
25	Consensus of hybrid multi-agent systems with heterogeneous dynamics. International Journal of Control, 2020, 93, 2848-2858.	1.9	19
26	On Distributed Nash Equilibrium Computation: Hybrid Games and a Novel Consensus-Tracking Perspective. IEEE Transactions on Cybernetics, 2021, 51, 5021-5031.	9.5	18
27	Distributed resource allocation via multi-agent systems under time-varying networks. Automatica, 2022, 136, 110059.	5.0	17
28	Topology selection for multi-agent systems with opposite leaders. Systems and Control Letters, 2016, 93, 43-49.	2.3	16
29	Sampled-data based resilient consensus of heterogeneous multiagent systems. International Journal of Robust and Nonlinear Control, 2020, 30, 7370-7381.	3.7	16
30	Quantized consensus of second-order multi-agent systems via impulsive control. Neurocomputing, 2017, 270, 27-33.	5.9	13
31	Quantised consensus of multi-agent systems with nonlinear dynamics. International Journal of Systems Science, 2015, 46, 2061-2071.	5.5	12
32	Leader-following scaled consensus of second-order multi-agent systems under directed topologies. International Journal of Systems Science, 2019, 50, 2604-2615.	5.5	11
33	Containment control of hybrid multi-agent systems. International Journal of Robust and Nonlinear Control, 2022, 32, 1355-1373.	3.7	11
34	Quantised consensus of heterogeneous multi-agent systems. IET Control Theory and Applications, 2015, 9, 2553-2560.	2.1	10
35	Data-based iterative learning mechanism for unknown input-output coupling parameters/matrices. International Journal of Robust and Nonlinear Control, 2020, 30, 1275-1297.	3.7	10
36	Cooperative Output Regulation for Linear Multiagent Systems via Distributed Fixed-Time Event-Triggered Control. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 338-347.	11.3	10

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37	Consensus of switched multi-agent systems under quantised measurements. International Journal of Systems Science, 2017, 48, 1796-1804.	5.5	9
38	Further analysis for consensus of hybrid multiagent systems: A unified framework. International Journal of Robust and Nonlinear Control, 2021, 31, 8109-8117.	3.7	8
39	Consensus Tracking for High-Order Uncertain Nonlinear MASs via Adaptive Backstepping Approach. IEEE Transactions on Cybernetics, 2023, 53, 1248-1259.	9.5	8
40	Robust Packetized MPC for Networked Systems Subject to Packet Dropouts and Input Saturation With Quantized Feedback. IEEE Transactions on Cybernetics, 2023, 53, 6987-6997.	9.5	8
41	Synchronous and asynchronous resilient impulsive control for group consensus of second-order multi-agent systems with communication delays. ISA Transactions, 2022, 131, 274-281.	5.7	8
42	Fixed-time stability of positive nonlinear systems. Transactions of the Institute of Measurement and Control, 2020, 42, 2951-2955.	1.7	5
43	Game-based coalescence in multi-agent systems. Systems and Control Letters, 2021, 148, 104853.	2.3	5
44	Observer-Based Adaptive Scaled Tracking Control for Nonlinear MASs via Command-Filtered Backstepping. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 425-437.	9.3	4
45	Nonlinear Gossip Algorithms for Wireless Sensor Networks. Journal of Applied Mathematics, 2014, 2014, 1-7.	0.9	2
46	Group flocking of multiple mobile agents. , 2014, , .		2
47	Consensus of Heterogeneous Multiagent Systems with Switching Dynamics. Mathematical Problems in Engineering, 2018, 2018, 1-9.	1.1	2
48	Winner-take-all competition with heterogeneous dynamic agents. Neurocomputing, 2020, 374, 42-48.	5.9	1
49	Optimal control of first-order multi-agent systems with leaders. , 2014, , .		0