

# Mahdi Baradarannia

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

528  
citations

1307594

7  
h-index

888059

17  
g-index

37  
all docs

37  
docs citations

37  
times ranked

520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Containment control of heterogeneous linear multi-agent systems. <i>Automatica</i> , 2015, 54, 210-216.	5.0	223
2	Prescribed performance distance-based formation control of Multi-Agent Systems. <i>Automatica</i> , 2020, 119, 109086.	5.0	98
3	Finite-Time Rigidity-Based Formation Maneuvering of Multiagent Systems Using Distributed Finite-Time Velocity Estimators. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 4473-4484.	9.5	38
4	Adaptive containment control of nonlinear multi-agent systems with non-identical agents. <i>International Journal of Control</i> , 2015, 88, 1586-1593.	1.9	33
5	Global attitude stabilization of rigid spacecraft with unknown input delay. <i>Nonlinear Dynamics</i> , 2015, 82, 1623-1640.	5.2	21
6	Surrounding control of nonlinear multi-agent systems with non-identical agents. <i>ISA Transactions</i> , 2017, 70, 219-227.	5.7	16
7	Finite-time-estimation-based surrounding control for a class of unknown nonlinear multi-agent systems. <i>Nonlinear Dynamics</i> , 2019, 96, 1795-1804.	5.2	11
8	Model-free adaptive iterative learning integral terminal sliding mode control of exoskeleton robots. <i>JVC/Journal of Vibration and Control</i> , 2022, 28, 3120-3139.	2.6	11
9	Data-driven observer-based model-free adaptive discrete-time terminal sliding mode control of rigid robot manipulators. , 2019, , .		10
10	Leader-Follower Fixed-Time Consensus for Multi-agent Systems with Heterogeneous Non-linear Inherent Dynamics. , 2016, , .		9
11	Distributed adaptive switching control of uncertain switched affine multi-agent systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020, 38, 100941.	3.5	6
12	Event-triggered surrounding adaptive control of nonlinear multi-agent systems. <i>ISA Transactions</i> , 2022, 128, 44-57.	5.7	6
13	On distance-based formation control: A nonlinear mapping approach and its applications. , 2017, , .		5
14	Attitude stabilization of a rigid spacecraft with actuator delay and fault. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 2340-2351.	1.7	5
15	Improvement of angular velocity and position estimation in gyro-free inertial navigation based on vision aid equipment. <i>IET Computer Vision</i> , 2018, 12, 261-275.	2.0	5
16	Consensus Control of Hierarchical Multi-agent Systems with Constant and Time-Varying Delays. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2018, 42, 479-484.	2.3	4
17	Data-driven MIMO discrete-time predictive model-free adaptive integral terminal sliding mode controller design for robotic manipulators driven by pneumatic artificial muscles. , 2019, , .		4
18	The Correcting Approach of Gyroscope-Free Inertial Navigation Based on the Applicable Topological Map. <i>Journal of Computing and Information Science in Engineering</i> , 2019, 19, .	2.7	4

#	ARTICLE	IF	CITATIONS
19	Control of MIMO nonlinear discrete-time systems with input saturation via data-driven model-free adaptive fast terminal sliding mode controller. , 2020, , .		3
20	Distributed fault estimation for multi-agent systems using relative measurements " Distributed adaptive observer approach. , 2017, , .		2
21	Distributed min-projection control: A switching consensus protocol for switched affine multi-agent systems. JVC/Journal of Vibration and Control, 2022, 28, 17-29.	2.6	2
22	Robust Finite-Time Contractive Fault Tolerant Control of Uncertain Nonlinear Network-Based Systems with Adaptive Event-Triggered Communication Scheme. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2022, 46, 141-155.	2.3	2
23	Robust event-triggered finite-time control of faulty networked flexible manipulator under external disturbance. JVC/Journal of Vibration and Control, 0, , 107754632110470.	2.6	2
24	State feedback time-optimal controller for linear systems with input delay. , 2015, , .		1
25	Time Optimal Control and Switching Curve Analysis for Caputo Fractional Systems. , 2016, , .		1
26	An analytical eigenvalue assignment of linear time-delay systems using Lambert W function. , 2017, , .		1
27	Adaptive sliding mode control of a system with Bouc-Wen model. , 2018, , .		1
28	Extended hybrid control scheme for asynchronous switching. Journal of the Franklin Institute, 2021, 358, 1693-1714.	3.4	1
29	Further enhancement on $H_{\infty}$ sliding mode control design for singular Markovian jump systems with partly known transition probabilities. JVC/Journal of Vibration and Control, 2022, 28, 1187-1199.	2.6	1
30	Observer-based controller design for a class of networked control systems with transmission delays and packet losses. , 2021, , .		1
31	Optimal Control for Stochastic 4D Hamiltonian Hyper-chaotic Systems with Periodic and Quasi-periodic Chaos. , 2020, , .		1
32	Rigid spacecraft attitude regulation with delayed feedback and actuator faults. , 2016, , .		0
33	Controller design to enlarge the domain of attraction for a class of nonlinear systems. , 2017, , .		0
34	Controller design to enlarge the domain of attraction for a class of nonlinear systems. , 2017, , .		0
35	A new observer based Robust output feedback Controller on Coaxial Tri-copter. , 2019, , .		0
36	Fuzzy Finite-time Consensus Control for Nonlinear Second-order Multi-agent Systems with Disturbances by Integral Sliding Mode. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	The Effect of Observer Position on Networked Control Systems with Random Transmission Delays and Packet Dropouts. , 2022, , .		0