

Farzaneh Abdollahi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9554759/publications.pdf>

Version: 2024-02-01

70
papers

1,736
citations

430442

18
h-index

301761

39
g-index

71
all docs

71
docs citations

71
times ranked

1518
citing authors

#	ARTICLE	IF	CITATIONS
1	NN-Based Adaptive Control of Nonaffine Noncanonical Nonlinear Systems. , 2022, , 99-126.		0
2	Stochastic fault and cyber-attack detection and consensus control in multi-agent systems. International Journal of Control, 2022, 95, 2379-2397.	1.2	8
3	Adaptive consensus for heterogeneous unknown nonlinear multi-agent systems with asymmetric input dead-zone: A finite-time approach. Transactions of the Institute of Measurement and Control, 2022, 44, 105-120.	1.1	5
4	Adaptive Leaderless Consensus Control of Strict-Feedback Nonlinear Multiagent Systems With Unknown Control Directions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6435-6444.	5.9	30
5	Finite-time consensus of heterogeneous unknown nonlinear multi-agent systems with external disturbances via event-triggered control. JVC/Journal of Vibration and Control, 2021, 27, 1806-1823.	1.5	12
6	Distributed accelerating of quantized second-order consensus with bounded input. Asian Journal of Control, 2021, 23, 399-411.	1.9	5
7	Finite-time consensus of multi-agent systems via event-triggered control. , 2021, , .		1
8	Coverage Control for a Group of UAVs and UGVs with the Effect of UAVs Altitude. , 2021, , .		0
9	Secure Consensus Control of Multiagent Cyber-Physical Systems With Uncertain Nonlinear Models. IEEE Systems Journal, 2020, 14, 3539-3546.	2.9	9
10	Robust formation control of multiagent systems on the Lie group S^3 . International Journal of Robust and Nonlinear Control, 2020, 30, 966-998.	2.1	14
11	Decentralized active sensor fault tolerance in attitude control of satellite formation flying. International Journal of Robust and Nonlinear Control, 2020, 30, 8340-8361.	2.1	7
12	Robust attitude alignment in multispacecraft systems with stochastic links failure. Automatica, 2020, 118, 109033.	3.0	9
13	Attitude Synchronization Control in Satellite Formation Flying in the Presence of States Measurement Errors. Journal of Control, 2020, 13, 49-63.	0.1	2
14	A cyclic pursuit framework for networked mobile agents based on vector field approach. Journal of the Franklin Institute, 2019, 356, 1113-1130.	1.9	11
15	Stiffness feasible workspace of cable-driven parallel robots with application to optimal design of a planar cable robot. Robotics and Autonomous Systems, 2019, 114, 19-28.	3.0	22
16	Resilient Attitude Alignment in Multispacecraft Systems. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3651-3657.	2.6	10
17	Nonlinear H^∞ control scheme for a flying robot. Latin American Journal of Solids and Structures, 2019, 16, .	0.6	0
18	Model predictive and non-cooperative dynamic game fault recovery control strategies for a network of unmanned underwater vehicles. International Journal of Control, 2019, 92, 489-517.	1.2	14

#	ARTICLE	IF	CITATIONS
19	Stationary Consensus Control of a Class of High-Order Uncertain Nonlinear Agents With Communication Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 1285-1290.	5.9	29
20	Sensor fault detection and recovery in satellite attitude control. <i>Acta Astronautica</i> , 2018, 145, 275-283.	1.7	37
21	Adaptive Consensus Control of Nonlinear Multiagent Systems With Unknown Control Directions Under Stochastic Topologies. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 3538-3547.	7.2	32
22	Simultaneous Stochastic Fault Detection and Consensus Control in Multi-Agent Systems. , 2018, , .		1
23	Optimal adaptive Jacobian internal forces controller for multiple whole-limb manipulators in the presence of kinematic uncertainties. <i>Mechatronics</i> , 2018, 53, 1-7.	2.0	6
24	Adaptive stationary consensus protocol for a class of high-order nonlinear multiagent systems with jointly connected topologies. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 1677-1689.	2.1	17
25	Attitude Consensusability in Multispacecraft Systems Using Magnetic Actuators. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2017, 53, 513-519.	2.6	15
26	Consensus Problem in High-Order Multiagent Systems With Lipschitz Nonlinearities and Jointly Connected Topologies. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 741-748.	5.9	62
27	Comment on "Attitude synchronization control for a group of flexible spacecraft" [Automatica 50 (2014) 646-651]. <i>Automatica</i> , 2017, 83, 396.	3.0	2
28	Consensus Problem Over High-Order Multiagent Systems With Uncertain Nonlinearities Under Deterministic and Stochastic Topologies. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 2079-2088.	6.2	23
29	Distributed accelerating convergence speed of second-order consensus using variable adjacency matrix. , 2017, , .		1
30	Adaptive near-optimal neuro controller for continuous-time nonaffine nonlinear systems with constrained input. <i>Neural Networks</i> , 2017, 93, 195-204.	3.3	18
31	Discrete-time consensus strategy for a class of high-order linear multiagent systems under stochastic communication topologies. <i>Journal of the Franklin Institute</i> , 2017, 354, 3690-3705.	1.9	16
32	Event-triggered based consensus of autonomous underactuated surface vessels. , 2017, , .		4
33	Almost Sure Attitude Consensus in Multispacecraft Systems With Stochastic Communication Links. <i>IFAC-PapersOnLine</i> , 2017, 50, 9392-9397.	0.5	7
34	Analysis of the Stiffness Feasible Workspace of the Cable-Driven Parallel Robots. , 2017, , .		0
35	Robust consensus of autonomous underactuated surface vessels. <i>IET Control Theory and Applications</i> , 2017, 11, 486-494.	1.2	15
36	An adaptive sliding mode observer for linear systems under malicious attack. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
37	Global stabilization of autonomous underactuated underwater vehicles in 3D space. , 2016, , .		2
38	Neural network-based adaptive control of uncertain multivariable systems: Theory and experiments. , 2016, , .		4
39	Consensus Problem in General Linear Multiagent Systems Under Stochastic Topologies. IFAC-PapersOnLine, 2016, 49, 13-18.	0.5	7
40	Consensus of autonomous underactuated surface vessels. , 2016, , .		1
41	Robust distributed consensus of autonomous underwater vehicles in 3D space. , 2016, , .		6
42	Lyapunov stability analysis for non-linear satellite attitude control in the presence of states measurement error. , 2016, , .		2
43	Decentralized H ∞ consensus protocol for a class of high-order multiagent systems. International Journal of Robust and Nonlinear Control, 2016, 26, 3330-3343.	2.1	15
44	Stable adaptive output feedback controller for a class of uncertain nonlinear systems. IET Control Theory and Applications, 2015, 9, 1329-1337.	1.2	15
45	Adaptive output feedback tracking control for nonaffine nonlinear systems. , 2015, , .		3
46	Average Consensus Over High-Order Multiagent Systems. IEEE Transactions on Automatic Control, 2015, 60, 3047-3052.	3.6	93
47	Output synchronization of multi-agent systems with nonlinear non-minimum phase dynamics. , 2015, , .		0
48	Pursuit Formation of Double-Integrator Dynamics Using Consensus Control Approach. IEEE Transactions on Industrial Electronics, 2015, 62, 4249-4256.	5.2	60
49	Adaptive Control of Uncertain Nonaffine Nonlinear Systems With Input Saturation Using Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2311-2322.	7.2	98
50	Nonlinear Adaptive Output-Feedback Controller Design for Guidance of Flexible Needles. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1912-1919.	3.7	19
51	Coverage control in non-convex environment considering unknown non-convex obstacles. , 2014, , .		9
52	Coverage control considering unknown moving obstacles avoidance. , 2014, , .		1
53	Coverage control of a dynamic large-scale environment using sector-based sensors. , 2014, , .		0
54	\mathcal{H}_∞ Based Motion Synchronization in Formation Flight With Delayed Communications. IEEE Transactions on Industrial Electronics, 2014, 61, 6175-6182.	5.2	58

#	ARTICLE	IF	CITATIONS
55	Time-varying formation control of a collaborative heterogeneous multi agent system. Robotics and Autonomous Systems, 2014, 62, 1799-1805.	3.0	109
56	A Decentralized Cooperative Control Scheme With Obstacle Avoidance for a Team of Mobile Robots. IEEE Transactions on Industrial Electronics, 2014, 61, 347-354.	5.2	298
57	Compensation of downbeat nystagmus with a modular controller. , 2014, , .		0
58	Model-free fuzzy leader-follower formation control of fixed wing UAVs. , 2013, , .		21
59	Optimal formation of a collaborative maneuver with inequality constraints. , 2013, , .		2
60	Synchronized coherent swarming of a collaborative multi agent system in presence of disturbance. , 2013, , .		3
61	Motion synchronization in unmanned aircrafts formation control with communication delays. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 744-756.	1.7	63
62	Brain-inspired modular controller with fuzzy module selection. , 2013, , .		0
63	Whole arm manipulation planning based on grasp dynamic properties and sampling-based algorithms with kinematic analysis. , 2012, , .		1
64	Adaptive artificial potential field approach for obstacle avoidance of unmanned aircrafts. , 2012, , .		31
65	Synchronized cross coupled sliding mode controllers for cooperative UAVs with communication delays. , 2012, , .		8
66	A synchronization strategy for three dimensional decentralized formation control of unmanned aircrafts. , 2011, , .		18
67	Mobile robots cooperative control and obstacle avoidance using potential field. , 2011, , .		37
68	A Decentralized Markovian Jump \mathcal{H}_∞ Control Routing Strategy for Mobile Multi-Agent Networked Systems. IEEE Transactions on Control Systems Technology, 2011, 19, 269-283.	3.2	86
69	A Stable Neural Network-Based Observer With Application to Flexible-Joint Manipulators. IEEE Transactions on Neural Networks, 2006, 17, 118-129.	4.8	215
70	Practical finite-time consensus of multi-agent systems with unknown nonlinear dynamics and the asymmetric input dead zone. JVC/Journal of Vibration and Control, 0, , 107754632211059.	1.5	2