

Jiangshuai Huang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3636050/publications.pdf>

Version: 2024-02-01

67
papers

3,187
citations

236925

25
h-index

161849

54
g-index

67
all docs

67
docs citations

67
times ranked

1726
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed adaptive control for consensus tracking with application to formation control of nonholonomic mobile robots. <i>Automatica</i> , 2014, 50, 1254-1263.	5.0	414
2	Distributed adaptive asymptotically consensus tracking control of nonlinear multi-agent systems with unknown parameters and uncertain disturbances. <i>Automatica</i> , 2017, 77, 133-142.	5.0	249
3	Adaptive finite-time consensus control of a group of uncertain nonlinear mechanical systems. <i>Automatica</i> , 2015, 51, 292-301.	5.0	225
4	Adaptive output feedback tracking control of a nonholonomic mobile robot. <i>Automatica</i> , 2014, 50, 821-831.	5.0	183
5	Adaptive stabilization and tracking control of a nonholonomic mobile robot with input saturation and disturbance. <i>Systems and Control Letters</i> , 2013, 62, 234-241.	2.3	180
6	Design of adaptive finite-time controllers for nonlinear uncertain systems based on given transient specifications. <i>Automatica</i> , 2016, 69, 395-404.	5.0	149
7	Adaptive Event-Triggered Control of Nonlinear Systems With Controller and Parameter Estimator Triggering. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 318-324.	5.7	145
8	Distributed Observer-Based Cooperative Control Approach for Uncertain Nonlinear MASs Under Event-Triggered Communication. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 2669-2676.	5.7	142
9	Global stable tracking control of underactuated ships with input saturation. <i>Systems and Control Letters</i> , 2015, 85, 1-7.	2.3	123
10	Adaptive control of a class of strict-feedback time-varying nonlinear systems with unknown control coefficients. <i>Automatica</i> , 2018, 93, 98-105.	5.0	122
11	Distributed adaptive leader-follower and leaderless consensus control of a class of strict-feedback nonlinear systems: a unified approach. <i>Automatica</i> , 2020, 118, 109021.	5.0	102
12	Adaptive consensus of uncertain nonlinear systems with event triggered communication and intermittent actuator faults. <i>Automatica</i> , 2020, 111, 108667.	5.0	91
13	Fully Distributed Adaptive Consensus Control of a Class of High-Order Nonlinear Systems With a Directed Topology and Unknown Control Directions. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 2349-2356.	9.5	85
14	Smooth control design for adaptive leader-following consensus control of a class of high-order nonlinear systems with time-varying reference. <i>Automatica</i> , 2017, 83, 361-367.	5.0	81
15	Hierarchical Decomposition Based Consensus Tracking for Uncertain Interconnected Systems via Distributed Adaptive Output Feedback Control. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 1938-1945.	5.7	65
16	Adaptive Control of Second-Order Nonlinear Systems With Injection and Deception Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 574-581.	9.3	54
17	Prescribed performance bound-based adaptive path-following control of uncertain nonholonomic mobile robots. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 805-822.	4.1	52
18	Leaderless consensus control of uncertain multi-agents systems with sensor and actuator attacks. <i>Information Sciences</i> , 2019, 505, 144-156.	6.9	52

#	ARTICLE	IF	CITATIONS
19	Adaptive backstepping based consensus tracking of uncertain nonlinear systems with event-triggered communication. <i>Automatica</i> , 2021, 133, 109841.	5.0	47
20	Robust adaptive tracking control of an underactuated ship with guaranteed transient performance. <i>International Journal of Systems Science</i> , 2017, 48, 272-279.	5.5	42
21	Decentralized adaptive control of interconnected nonlinear systems with unknown control directions. <i>ISA Transactions</i> , 2018, 74, 60-66.	5.7	38
22	Event-triggered adaptive control of a class of nonlinear systems. <i>ISA Transactions</i> , 2019, 94, 10-16.	5.7	37
23	Adaptive Control Design for Underactuated Cranes With Guaranteed Transient Performance: Theoretical Design and Experimental Verification. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 2822-2832.	7.9	37
24	Adaptive odd impulsive consensus of multi-agent systems via comparison system method. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020, 35, 100824.	3.5	32
25	Output feedback based adaptive consensus tracking for uncertain heterogeneous multi-agent systems with event-triggered communication. <i>Automatica</i> , 2022, 136, 110049.	5.0	30
26	Adaptive leaderless consensus control of uncertain multiagent systems with unknown control directions. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 6229-6240.	3.7	26
27	Adaptive control of a class of strict feedback nonlinear systems under replay attacks. <i>ISA Transactions</i> , 2020, 107, 134-142.	5.7	26
28	Adaptive Iterative Learning Control of Multiple Autonomous Vehicles With a Time-Varying Reference Under Actuator Faults. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 5512-5525.	11.3	26
29	Composite adaptive finite-time control for quadrotors via prescribed performance. <i>Journal of the Franklin Institute</i> , 2020, 357, 5878-5901.	3.4	24
30	Distributed Adaptive Control for Asymptotically Consensus Tracking of Uncertain Nonlinear Systems With Intermittent Actuator Faults and Directed Communication Topology. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 4050-4061.	9.5	22
31	Distributed adaptive asymptotically consensus tracking control of uncertain Euler-Lagrange systems under directed graph condition. <i>ISA Transactions</i> , 2017, 71, 121-129.	5.7	21
32	Recent advances in distributed adaptive consensus control of uncertain nonlinear multi-agent systems. <i>Journal of Control and Decision</i> , 2020, 7, 44-63.	1.6	21
33	Adaptive control of uncertain underactuated cranes with a non-recursive control scheme. <i>Journal of the Franklin Institute</i> , 2019, 356, 11305-11317.	3.4	20
34	Adaptive control of cyber-physical systems under deception and injection attacks. <i>Journal of the Franklin Institute</i> , 2021, 358, 6174-6194.	3.4	19
35	Leader-following consensus of uncertain strict feedback multiagent systems subject to sensor and actuator attacks. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 7635-7654.	3.7	17
36	Adaptive time-varying formation control of uncertain Euler-Lagrange systems with event-triggered communication. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 9026-9039.	3.7	17

#	ARTICLE	IF	CITATIONS
37	Adaptive Leaderless Consensus for Uncertain High-Order Nonlinear Multiagent Systems With Event-Triggered Communication. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7101-7111.	9.3	17
38	Finite-time consensus control of second-order nonlinear systems with input saturation. Transactions of the Institute of Measurement and Control, 2016, 38, 1381-1391.	1.7	16
39	Dynamic Event-Triggered Path-Following Control of Underactuated Surface Vehicle With the Experiment Verification. IEEE Transactions on Vehicular Technology, 2022, 71, 10415-10425.	6.3	13
40	Distributed adaptive consensus tracking for uncertain high-order nonlinear multiagent systems with event-triggered communication. Optimal Control Applications and Methods, 2020, 41, 2077-2093.	2.1	12
41	Adaptive consensus tracking control of uncertain nonlinear systems: A first-order example. , 2012, , .		11
42	Finite-time leaderless consensus control of a group of Euler-Lagrangian systems with backlash nonlinearities. Journal of the Franklin Institute, 2019, 356, 9286-9301.	3.4	11
43	Decentralized Adaptive Control of Interconnected Nonlinear Systems with Unknown Control Directions and Actuator Failure. International Journal of Control, Automation and Systems, 2019, 17, 29-37.	2.7	9
44	Adaptive leaderless consensus control of a class of strict-feedback nonlinear multi-agent systems with unknown control directions: A non-Nussbaum function based approach. Journal of the Franklin Institute, 2020, 357, 12180-12196.	3.4	8
45	Target Controllability in Multilayer Networks via Minimum-Cost Maximum-Flow Method. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1949-1962.	11.3	8
46	Robust adaptive fault-tolerant control for unmanned surface vehicle via the multiplied event-triggered mechanism. Ocean Engineering, 2022, 249, 110755.	4.3	8
47	Hierarchical decomposition based distributed adaptive control for output consensus tracking of uncertain nonlinear systems. , 2013, , .		7
48	Event-Triggered Adaptive Output Feedback Control of Multivariable Systems With Nonsmooth Actuator Nonlinearities. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5557-5566.	9.3	7
49	K-filter-based adaptive output feedback control for high-order nonlinear systems subject to actuator and sensor attacks. International Journal of Robust and Nonlinear Control, 2022, 32, 3469-3484.	3.7	7
50	L0 norm constraint based external control source allocation for the minimum cost control of directed networks. ISA Transactions, 2018, 76, 88-96.	5.7	5
51	Adaptive leaderless consensus control of a class of strict feedback nonlinear systems with guaranteed transient performance under actuator faults. Journal of the Franklin Institute, 2021, 358, 5707-5721.	3.4	5
52	Adaptive flocking control of multiple nonholonomic mobile robots with limited communication ranges. , 2013, , .		3
53	Distributed adaptive output feedback control of uncertain multi-agent systems with actuator faults and communication delays. , 2016, , .		3
54	Distributed Min-consensus for Second-order Nonlinear System with Disturbances. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
55	Adaptive Event-triggered Control of a Class of Series Elastic Actuator System. International Journal of Control, Automation and Systems, 2021, 19, 2536-2543.	2.7	3
56	Finite-time consensus control of nonlinear mechanical systems with input saturation. , 2015, , .		2
57	Adaptive consensus control of nonlinear systems with unknown control directions. International Journal of Systems Science, 2018, 49, 1908-1917.	5.5	2
58	Disturbance observer-based decentralised power tracking control of wind farms. IET Renewable Power Generation, 2019, 13, 1741-1749.	3.1	2
59	Event-triggered Adaptive Output Consensus Tracking Control of Uncertain Nonlinear Multi-agent Systems. , 2020, , .		2
60	Fast and Smooth Composite Local Learning-Based Adaptive Control. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5708-5718.	11.3	2
61	Globally adaptive path tracking control of underactuated ships. , 2013, , .		1
62	Adaptive finite-time leader-following consensus control of a group of uncertain mechanical systems. , 2014, , .		1
63	Global stabilization control of underactuated ships with input saturation. , 2015, , .		1
64	Stabilization control of underactuated cranes with guaranteed transient performance. , 2018, , .		1
65	Allocating Minimum Number of Leaders for Seeking Consensus over Directed Networks with Time-varying Nonlinear Multi-agents. International Journal of Control, Automation and Systems, 2019, 17, 57-68.	2.7	1
66	Decentralized adaptive output tracking control of interconnected nonlinear systems with actuator failures. , 2012, , .		0
67	Adaptive Leaderless Consensus Control of a class of Second order Nonlinear Multi-agent Systems with Unknown Control Directions and External Disturbances. , 2020, , .		0