

Xu Jin

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,989
citations

257450

24
h-index

330143

37
g-index

59
all docs

59
docs citations

59
times ranked

1634
citing authors

#	ARTICLE	IF	CITATIONS
1	Fault tolerant finite-time leader–follower formation control for autonomous surface vessels with LOS range and angle constraints. <i>Automatica</i> , 2016, 68, 228-236.	5.0	371
2	Adaptive Fixed-Time Control for MIMO Nonlinear Systems With Asymmetric Output Constraints Using Universal Barrier Functions. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 3046-3053.	5.7	371
3	An Adaptive Control Architecture for Mitigating Sensor and Actuator Attacks in Cyber-Physical Systems. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 6058-6064.	5.7	272
4	Iterative learning control for output-constrained systems with both parametric and nonparametric uncertainties. <i>Automatica</i> , 2013, 49, 2508-2516.	5.0	225
5	Adaptive fault tolerant control for a class of input and state constrained MIMO nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 286-302.	3.7	186
6	Adaptive iterative learning control for high-order nonlinear multi-agent systems consensus tracking. <i>Systems and Control Letters</i> , 2016, 89, 16-23.	2.3	142
7	Fault-tolerant iterative learning control for mobile robots non-repetitive trajectory tracking with output constraints. <i>Automatica</i> , 2018, 94, 63-71.	5.0	129
8	State-Constrained Iterative Learning Control for a Class Of MIMO Systems. <i>IEEE Transactions on Automatic Control</i> , 2013, 58, 1322-1327.	5.7	120
9	Adaptive finite-time fault-tolerant tracking control for a class of MIMO nonlinear systems with output constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 722-741.	3.7	106
10	Adaptive Leader–Follower Formation Control of Nonholonomic Mobile Robots With Prescribed Transient and Steady-State Performance. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 3662-3671.	11.3	104
11	A barrier composite energy function approach for robot manipulators under alignment condition with position constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 2840-2851.	3.7	78
12	Nonrepetitive Leader–Follower Formation Tracking for Multiagent Systems With LOS Range and Angle Constraints Using Iterative Learning Control. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 1748-1758.	9.5	71
13	Composite Neural Learning Fault-Tolerant Control for Underactuated Vehicles With Event-Triggered Input. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2327-2338.	9.5	66
14	Fault Tolerant Nonrepetitive Trajectory Tracking for MIMO Output Constrained Nonlinear Systems Using Iterative Learning Control. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 3180-3190.	9.5	65
15	Adaptive fault-tolerant control for a class of output-constrained nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 3732-3745.	3.7	61
16	Adaptive decentralized finite-time output tracking control for MIMO interconnected nonlinear systems with output constraints and actuator faults. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 1808-1829.	3.7	57
17	Adaptive fault tolerant tracking control for a class of stochastic nonlinear systems with output constraint and actuator faults. <i>Systems and Control Letters</i> , 2017, 107, 100-109.	2.3	51
18	Iterative learning control for non-repetitive trajectory tracking of robot manipulators with joint position constraints and actuator faults. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 859-875.	4.1	51

#	ARTICLE	IF	CITATIONS
19	Iterative learning control for output-constrained nonlinear systems with input quantization and actuator faults. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 729-741.	3.7	49
20	Fixed-Time Formation Control of Unicycle-Type Mobile Robots With Visibility and Performance Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 12615-12625.	7.9	40
21	Composite energy function-based iterative learning control for systems with nonparametric uncertainties. <i>International Journal of Adaptive Control and Signal Processing</i> , 2014, 28, 1-13.	4.1	34
22	Iterative Learning Control for MIMO Nonlinear Systems With Iteration-Varying Trial Lengths Using Modified Composite Energy Function Analysis. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 6080-6090.	9.5	32
23	Observer based repetitive learning control for a class of nonlinear systems with nonparametric uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 1214-1229.	3.7	31
24	An adaptive control architecture for leader-follower multiagent systems with stochastic disturbances and sensor and actuator attacks. <i>International Journal of Control</i> , 2019, 92, 2561-2570.	1.9	31
25	Energy-based feedback control for stochastic port-controlled Hamiltonian systems. <i>Automatica</i> , 2018, 97, 134-142.	5.0	24
26	Adaptive fault tolerant control for a class of multi-input multi-output nonlinear systems with both sensor and actuator faults. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 1418-1427.	4.1	23
27	An adaptive learning and control architecture for mitigating sensor and actuator attacks in connected autonomous vehicle platoons. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019, 33, 1788-1802.	4.1	21
28	Adaptive Constrained Formation-Tracking Control for a Tractor-Trailer Mobile Robot Team With Multiple Constraints. <i>IEEE Transactions on Automatic Control</i> , 2023, 68, 1700-1707.	5.7	19
29	Nonrepetitive trajectory tracking for nonlinear autonomous agents with asymmetric output constraints using parametric iterative learning control. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 1941-1955.	3.7	16
30	Stochastic Semistability for Nonlinear Dynamical Systems With Application to Consensus on Networks With Communication Uncertainty. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 2826-2841.	5.7	12
31	An adaptive control architecture for cyber-physical system security in the face of sensor and actuator attacks and exogenous stochastic disturbances. <i>Cyber-Physical Systems</i> , 2018, 4, 39-56.	2.0	12
32	Adaptive Control for Mitigating Sensor and Actuator Attacks in Connected Autonomous Vehicle Platoons. , 2018, , .		11
33	Adaptive Control for Multiagent Systems with Sensor-Actuator Attacks and Stochastic Disturbances. <i>Journal of Guidance, Control, and Dynamics</i> , 2020, 43, 15-29.	2.8	11
34	Convex optimization based iterative learning control for iteration-varying systems under output constraints. , 2014, , .		10
35	Multirobot System Formation Control With Multiple Performance and Feasibility Constraints. <i>IEEE Transactions on Control Systems Technology</i> , 2022, 30, 1766-1773.	5.2	9
36	Iterative learning control for high-speed trains with velocity and displacement constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 3647-3661.	3.7	9

#	ARTICLE	IF	CITATIONS
37	Iterative learning control for systems with nonparametric uncertainties under alignment condition. , 2012, , .		6
38	Adaptive finite-time tracking control for joint position constrained robot manipulators with actuator faults. , 2016, , .		6
39	Adaptive fault tolerant control for a class of MIMO nonlinear systems with input and state constraints. , 2015, , .		5
40	Non-repetitive trajectory tracking for joint position constrained robot manipulators using iterative learning control. , 2016, , .		5
41	Adaptive cooperative output tracking control for input and output constrained multiagent systems with actuator faults. , 2016, , .		5
42	An adaptive control architecture for cyber-physical system security in the face of sensor and actuator attacks and exogenous stochastic disturbances. , 2017, , .		5
43	An Adaptive Control Architecture for Leader-Follower Multiagent Systems with Stochastic Disturbances and Sensor and Actuator Attacks. , 2018, , .		5
44	Implications of dissipativity, inverse optimal control, and stability margins for nonlinear stochastic feedback regulators. International Journal of Robust and Nonlinear Control, 2019, 29, 5499-5519.	3.7	5
45	Adaptive Line-of-Sight Tracking Control for a Tractor-Trailer Vehicle System With Multiple Constraints. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11349-11360.	8.0	5
46	Universal Feedback Controllers and Inverse Optimality for Nonlinear Stochastic Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2020, 142, .	1.6	4
47	A Conservation-Based Distributed Control Architecture for Network Consensus with Stochastic Communication Uncertainty. , 2018, , .		3
48	Iterative Learning Control for Robot Manipulators with Non-Repetitive Reference Trajectory, Iteration Varying Trial Lengths, and Asymmetric Output Constraints. , 2020, , .		3
49	Adaptive iterative learning control for nonlinear multi-agent systems consensus output tracking with actuator faults. , 2016, , .		2
50	Robust Adaptive Control for Leader-Follower Multiagent Systems with Stochastic Disturbances, System Uncertainty, and Sensor-Actuator Attacks. , 2018, , .		2
51	Constrained Line-of-Sight Tracking Control of A Tractor-Trailer Mobile Robot System with Multiple Constraints. , 2021, , .		2
52	Image-Based Regulation of Mobile Robots Without Pose Measurements. , 2022, 6, 2156-2161.		2
53	Universal Feedback Controllers and Inverse Optimality for Nonlinear Stochastic Systems. , 2019, , .		1
54	Constrained Crane Load Transferring and Lowering Under Uncalm Sea Conditions Using Adaptive Iterative Learning Control. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
55	A Distributed Output Feedback Adaptive Controller for Leader-Follower Multiagent Systems with Stochastic Disturbances and Sensor-Actuator Attacks. , 2020, , .		1
56	Adaptive Path-Following Control of An Autonomous Vehicle with Path-Dependent Constraint Requirements. , 2021, , .		1
57	Adaptive control for a class of nonlinear systems with output constraints and actuator faults. , 2016, , .		0
58	Energy-Based Feedback Control for Stochastic Dynamical Systems. , 2018, , .		0
59	Finite Time Semistability and Consensus in Networks with Communication Uncertainty. , 2019, , .		0