

Xu Jin

List of Publications by Year in descending order

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59
papers

2,989
citations

257450

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59
docs citations

59
times ranked

1634
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Constrained Formation-Tracking Control for a Tractor-Trailer Mobile Robot Team With Multiple Constraints. IEEE Transactions on Automatic Control, 2023, 68, 1700-1707.	5.7	19
2	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
3	Multirobot System Formation Control With Multiple Performance and Feasibility Constraints. IEEE Transactions on Control Systems Technology, 2022, 30, 1766-1773.	5.2	9
4	Iterative learning control for high-speed trains with velocity and displacement constraints. International Journal of Robust and Nonlinear Control, 2022, 32, 3647-3661.	3.7	9
5	Image-Based Regulation of Mobile Robots Without Pose Measurements. , 2022, 6, 2156-2161.		2
6	Iterative Learning Control for MIMO Nonlinear Systems With Iteration-Varying Trial Lengths Using Modified Composite Energy Function Analysis. IEEE Transactions on Cybernetics, 2021, 51, 6080-6090.	9.5	32
7	Composite Neural Learning Fault-Tolerant Control for Underactuated Vehicles With Event-Triggered Input. IEEE Transactions on Cybernetics, 2021, 51, 2327-2338.	9.5	66
8	Constrained Line-of-Sight Tracking Control of A Tractor-Trailer Mobile Robot System with Multiple Constraints. , 2021, , .		2
9	Fixed-Time Formation Control of Unicycle-Type Mobile Robots With Visibility and Performance Constraints. IEEE Transactions on Industrial Electronics, 2021, 68, 12615-12625.	7.9	40
10	Adaptive Path-Following Control of An Autonomous Vehicle with Path-Dependent Constraint Requirements. , 2021, , .		1
11	Stochastic Semistability for Nonlinear Dynamical Systems With Application to Consensus on Networks With Communication Uncertainty. IEEE Transactions on Automatic Control, 2020, 65, 2826-2841.	5.7	12
12	Adaptive Leader-Follower Formation Control of Nonholonomic Mobile Robots With Prescribed Transient and Steady-State Performance. IEEE Transactions on Industrial Informatics, 2020, 16, 3662-3671.	11.3	104
13	Adaptive Control for Multiagent Systems with Sensor-Actuator Attacks and Stochastic Disturbances. Journal of Guidance, Control, and Dynamics, 2020, 43, 15-29.	2.8	11
14	Constrained Crane Load Transferring and Lowering Under Uncalm Sea Conditions Using Adaptive Iterative Learning Control. , 2020, , .		1
15	Iterative Learning Control for Robot Manipulators with Non-Repetitive Reference Trajectory, Iteration Varying Trial Lengths, and Asymmetric Output Constraints. , 2020, , .		3
16	A Distributed Output Feedback Adaptive Controller for Leader-Follower Multiagent Systems with Stochastic Disturbances and Sensor-Actuator Attacks. , 2020, , .		1
17	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
18	Fault Tolerant Nonrepetitive Trajectory Tracking for MIMO Output Constrained Nonlinear Systems Using Iterative Learning Control. IEEE Transactions on Cybernetics, 2019, 49, 3180-3190.	9.5	65

#	ARTICLE	IF	CITATIONS
19	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
20	Implications of dissipativity, inverse optimal control, and stability margins for nonlinear stochastic feedback regulators. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 5499-5519.	3.7	5
21	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
22	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
23	Universal Feedback Controllers and Inverse Optimality for Nonlinear Stochastic Systems. , 2019, , .		1
24	Finite Time Semistability and Consensus in Networks with Communication Uncertainty. , 2019, , .		0
25	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
26	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
27	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
28	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
29	Adaptive Control for Mitigating Sensor and Actuator Attacks in Connected Autonomous Vehicle Platoons. , 2018, , .		11
30	Robust Adaptive Control for Leader-Follower Multiagent Systems with Stochastic Disturbances, System Uncertainty, and Sensor-Actuator Attacks. , 2018, , .		2
31	Energy-Based Feedback Control for Stochastic Dynamical Systems. , 2018, , .		0
32	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
33	Energy-based feedback control for stochastic port-controlled Hamiltonian systems. <i>Automatica</i> , 2018, 97, 134-142.	5.0	24
34	A Conservation-Based Distributed Control Architecture for Network Consensus with Stochastic Communication Uncertainty. , 2018, , .		3
35	An Adaptive Control Architecture for Leader-Follower Multiagent Systems with Stochastic Disturbances and Sensor and Actuator Attacks. , 2018, , .		5
36	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

#	ARTICLE	IF	CITATIONS
37	An Adaptive Control Architecture for Mitigating Sensor and Actuator Attacks in Cyber-Physical Systems. IEEE Transactions on Automatic Control, 2017, 62, 6058-6064.	5.7	272
38	Adaptive fault tolerant control for a class of multi-input multi-output nonlinear systems with both sensor and actuator faults. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1418-1427.	4.1	23
39	Adaptive fault tolerant tracking control for a class of stochastic nonlinear systems with output constraint and actuator faults. Systems and Control Letters, 2017, 107, 100-109.	2.3	51
40	Iterative learning control for non-repetitive trajectory tracking of robot manipulators with joint position constraints and actuator faults. International Journal of Adaptive Control and Signal Processing, 2017, 31, 859-875.	4.1	51
41	Adaptive finite-time fault-tolerant tracking control for a class of MIMO nonlinear systems with output constraints. International Journal of Robust and Nonlinear Control, 2017, 27, 722-741.	3.7	106
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	Non-repetitive trajectory tracking for joint position constrained robot manipulators using iterative learning control. , 2016, , .		5
44	Adaptive control for a class of nonlinear systems with output constraints and actuator faults. , 2016, , .		0
45	Adaptive cooperative output tracking control for input and output constrained multiagent systems with actuator faults. , 2016, , .		5
46	Adaptive iterative learning control for nonlinear multi-agent systems consensus output tracking with actuator faults. , 2016, , .		2
47	Adaptive finite-time tracking control for joint position constrained robot manipulators with actuator faults. , 2016, , .		6
48	Adaptive fault tolerant control for a class of input and state constrained MIMO nonlinear systems. International Journal of Robust and Nonlinear Control, 2016, 26, 286-302.	3.7	186
49	Adaptive iterative learning control for high-order nonlinear multi-agent systems consensus tracking. Systems and Control Letters, 2016, 89, 16-23.	2.3	142
50	Fault tolerant finite-time leader-follower formation control for autonomous surface vessels with LOS range and angle constraints. Automatica, 2016, 68, 228-236.	5.0	371
51	Adaptive fault-tolerant control for a class of output-constrained nonlinear systems. International Journal of Robust and Nonlinear Control, 2015, 25, 3732-3745.	3.7	61
52	Observer based repetitive learning control for a class of nonlinear systems with non-parametric uncertainties. International Journal of Robust and Nonlinear Control, 2015, 25, 1214-1229.	3.7	31
53	Adaptive fault tolerant control for a class of MIMO nonlinear systems with input and state constraints. , 2015, , .		5
54	A barrier composite energy function approach for robot manipulators under alignment condition with position constraints. International Journal of Robust and Nonlinear Control, 2014, 24, 2840-2851.	3.7	78

#	ARTICLE	IF	CITATIONS
55	Convex optimization based iterative learning control for iteration-varying systems under output constraints. , 2014, , .		10
56	Composite energy functionâ€based iterative learning control for systems with nonparametric uncertainties. International Journal of Adaptive Control and Signal Processing, 2014, 28, 1-13.	4.1	34
57	Iterative learning control for output-constrained systems with both parametric and nonparametric uncertainties. Automatica, 2013, 49, 2508-2516.	5.0	225
58	State-Constrained Iterative Learning Control for a Class Of MIMO Systems. IEEE Transactions on Automatic Control, 2013, 58, 1322-1327.	5.7	120
59	Iterative learning control for systems with nonparametric uncertainties under alignment condition. , 2012, , .		6