

Jian-Ping Cai

List of Publications by Year in descending order

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all docs

58
docs citations

58
times ranked

1331
citing authors

#	ARTICLE	IF	CITATIONS
1	Event-Triggered Adaptive Control for a Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 2071-2076.	5.7	914
2	Adaptive compensation for actuator failures with event-triggered input. Automatica, 2017, 85, 129-136.	5.0	272
3	Event-Triggered Output Feedback Control for a Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2019, 64, 290-297.	5.7	254
4	Robust Adaptive Failure Compensation of Hysteretic Actuators for a Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2013, 58, 2388-2394.	5.7	139
5	Network-based fuzzy control for nonlinear Markov jump systems subject to quantization and dropout compensation. Fuzzy Sets and Systems, 2019, 371, 96-109.	2.7	94
6	Adaptive Backstepping Control for a Class of Nonlinear Systems With Non-Triangular Structural Uncertainties. IEEE Transactions on Automatic Control, 2017, 62, 5220-5226.	5.7	86
7	Robust control for a class of uncertain nonlinear systems with input quantization. International Journal of Robust and Nonlinear Control, 2016, 26, 1585-1596.	3.7	68
8	Dissipativity-based asynchronous control of discrete-time Markov jump systems with mixed time delays. International Journal of Robust and Nonlinear Control, 2018, 28, 2161-2171.	3.7	55
9	Decentralized Event-triggered Control for Interconnected Systems with Unknown Disturbances. Journal of the Franklin Institute, 2020, 357, 1494-1515.	3.4	54
10	Decentralized Backstepping Control for Interconnected Systems With Non-Triangular Structural Uncertainties. IEEE Transactions on Automatic Control, 2023, 68, 1692-1699.	5.7	30
11	Neural Network-Based Adaptive Learning Control for Robot Manipulators With Arbitrary Initial Errors. IEEE Access, 2019, 7, 180194-180204.	4.2	29
12	Semi-global adaptive backstepping control for parametric strict-feedback systems with non-triangular structural uncertainties. ISA Transactions, 2022, 126, 180-189.	5.7	26
13	Adaptive inverse control for parametric strict feedback systems with unknown failures of hysteretic actuators. International Journal of Robust and Nonlinear Control, 2015, 25, 824-841.	3.7	24
14	Error-Tracking Iterative Learning Control for Nonlinearly Parametric Time-Delay Systems With Initial State Errors. IEEE Access, 2018, 6, 12167-12174.	4.2	21
15	Event-Triggered Adaptive Control for Tank Gun Control Systems. IEEE Access, 2019, 7, 17517-17523.	4.2	20
16	Neural Network-Based Error-Tracking Iterative Learning Control for Tank Gun Control Systems With Arbitrary Initial States. IEEE Access, 2020, 8, 72179-72187.	4.2	18
17	Adaptive Neural Network Control for Missile Systems With Unknown Hysteresis Input. IEEE Access, 2017, 5, 15839-15847.	4.2	16
18	Robust Learning Control for Robot Manipulators With Random Initial Errors and Iteration-Varying Reference Trajectories. IEEE Access, 2019, 7, 32628-32643.	4.2	16

#	ARTICLE	IF	CITATIONS
19	Robust adaptive failure compensation of hysteretic actuators for parametric strict feedback systems. , 2011, , .		15
20	Adaptive Actuator Failure Compensation Control of Second-Order Nonlinear Systems With Unknown Time Delay. IEEE Access, 2018, 6, 15170-15177.	4.2	15
21	Adaptive Iterative Learning Control for Tank Gun Servo Systems With Input Deadzone. IEEE Access, 2020, 8, 63443-63451.	4.2	14
22	Robust Learning Control for Tank Gun Control Servo Systems Under Alignment Condition. IEEE Access, 2019, 7, 145524-145531.	4.2	13
23	Robust Cooperative Output Regulation of Heterogeneous Uncertain Linear Multiagent Systems With Time-Varying Communication Topologies. IEEE Transactions on Automatic Control, 2020, 65, 4340-4347.	5.7	12
24	Adaptive Failure Compensation of Actuators in Controlling Servo System Driven by Twin Motors. IEEE Access, 2018, 6, 63223-63231.	4.2	8
25	Non-fragile dissipative filtering of cyber-physical systems with random sensor delays. ISA Transactions, 2020, 104, 115-121.	5.7	8
26	Robust Adaptive Backstepping Control of Second-order Nonlinear Systems with Non-triangular Structure Uncertainties. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10814-10819.	0.4	7
27	A Novel Nonlinear Control Technique With Its Application to Magnetic Levitated Systems. IEEE Access, 2018, 6, 78659-78665.	4.2	7
28	Event-Triggered Control for Strict-Feedback Nonlinear Systems With External Disturbances. IEEE Access, 2019, 7, 38390-38396.	4.2	7
29	Adaptive Control for a Pneumatic Muscle Joint System With Saturation Input. IEEE Access, 2020, 8, 117698-117705.	4.2	7
30	Barrier Adaptive Iterative Learning Control for Tank Gun Control Systems Under Nonzero Initial Error Condition. IEEE Access, 2022, 10, 8664-8672.	4.2	7
31	Adaptive Backstepping Control for a Class of Nonlinear Systems With Unknown Time Delay. IEEE Access, 2020, 8, 229-236.	4.2	6
32	The Tracking Problem in Tank Gun Control Systems With Periodic Reference Signals. IEEE Access, 2020, 8, 132086-132094.	4.2	4
33	Angle Tracking Robust Learning Control for Pneumatic Artificial Muscle Systems. IEEE Access, 2021, 9, 142232-142238.	4.2	4
34	PI simultaneous stabilization and set-point output regulation of Port-Hamiltonian systems. Journal of the Franklin Institute, 2017, 354, 8283-8292.	3.4	3
35	Asymptotic Synchronization Control of Discrete-Time Delayed Neural Networks With a Reuse Mechanism Under Missing Data and Uncertainty. IEEE Access, 2018, 6, 52073-52081.	4.2	3
36	Angle Error-Tracking Iterative Learning Control for Pneumatic Artificial Muscle System. IEEE Access, 2021, 9, 163099-163107.	4.2	3

#	ARTICLE	IF	CITATIONS
37	Adaptive Failure Compensation for Uncertain Systems with Unknown Utility Decrement of Actuators. Asian Journal of Control, 2018, 20, 893-905.	3.0	2
38	Recursive Sliding Mode Based Iterative Learning Control. , 2018, , .		2
39	Adaptive Dynamic Surface Control for Servo System Driven by Twin Motors With Unknown Actuator Failures. IEEE Access, 2019, 7, 111528-111538.	4.2	2
40	Dual-Period Repetitive Control for Nonparametric Uncertain Systems With Deadzone Input. IEEE Access, 2019, 7, 165488-165495.	4.2	2
41	Adaptive Tracking Control for a Class of Uncertain Systems With Output Disturbance. IEEE Access, 2021, 9, 129141-129147.	4.2	2
42	Output Feedback Control for Pneumatic Muscle Joint System With Saturation Input. IEEE Access, 2020, 8, 83901-83906.	4.2	2
43	High-Order Internal Model Based Barrier Iterative Learning Control for Time-Iteration-Varying Parametric Uncertain Systems With Arbitrary Initial Errors. IEEE Access, 2022, 10, 17619-17628.	4.2	2
44	Fuzzy System-Based Position Tracking Iterative Learning Control for Tank Gun Control Systems With Error Constraints. IEEE Access, 2022, 10, 52462-52471.	4.2	2
45	Mean-Square Asymptotic Synchronization Control of Discrete-Time Neural Networks With Restricted Disturbances and Missing Data. IEEE Access, 2018, 6, 10240-10248.	4.2	1
46	Multi-Period Repetitive Control for Nonparametric Uncertain Systems. IEEE Access, 2019, 7, 147849-147856.	4.2	1
47	A New Adaptive Compensation Control for Parametric Systems With Actuator Aging. IEEE Access, 2019, 7, 4260-4266.	4.2	1
48	Angle tracking adaptive backstepping control for a pneumatic artificial muscle antagonistic joint. , 2019, , .		1
49	Adaptive Backstepping Control for a Class of Non-Triangular Structure Nonlinear Systems. IEEE Access, 2020, 8, 76093-76099.	4.2	1
50	Adaptive Robust Failure Compensation Control for Servo System Driven by Twin Motors. IEEE Access, 2021, 9, 542-550.	4.2	1
51	Adaptive Iterative Learning Control for Robot Manipulators With Time-Varying Parameters and Arbitrary Initial Errors. IEEE Access, 2021, 9, 166920-166931.	4.2	1
52	A Unified Iterative Learning Fault Detection and Fault-Tolerant Control. , 2018, , .		0
53	Adaptive Control for Strict Feedback Systems With Actuator Aging and External Disturbance. IEEE Access, 2019, 7, 66990-66997.	4.2	0
54	Angle tracking adaptive output-feedback control for a pneumatic artificial muscle antagonistic joint. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
55	Active Disturbance Rejection Based Pinpoint Control for Small and Medium-sized Sluice Gate in Water Conservancy Systems. , 2019, , .		0
56	Support Vector Machines based Rotor Fault Diagnosis with Improved Particle Swarm optimization. , 2019, , .		0
57	Parallel Structure Digital Repetitive Control for Multi-Periodic Disturbances Rejection. , 2019, , .		0
58	Robust Learning Control for a Class of Uncertain Linear Motor Systems. Journal of Physics: Conference Series, 2020, 1631, 012008.	0.4	0