

# Jian-Ping Cai

## List of Publications by Citations

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53  
papers

1,329  
citations

13  
h-index

36  
g-index

58  
ext. papers

1,808  
ext. citations

3.5  
avg, IF

5.18  
L-index

#	Paper	IF	Citations
53	Event-Triggered Adaptive Control for a Class of Uncertain Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 2071-2076	5.9	458
52	Adaptive compensation for actuator failures with event-triggered input. <i>Automatica</i> , <b>2017</b> , 85, 129-136	5.7	159
51	Event-Triggered Output Feedback Control for a Class of Uncertain Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 290-297	5.9	135
50	Robust Adaptive Failure Compensation of Hysteretic Actuators for a Class of Uncertain Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 2388-2394	5.9	101
49	Network-based fuzzy control for nonlinear Markov jump systems subject to quantization and dropout compensation. <i>Fuzzy Sets and Systems</i> , <b>2019</b> , 371, 96-109	3.7	73
48	Adaptive Backstepping Control for a Class of Nonlinear Systems With Non-Triangular Structural Uncertainties. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 5220-5226	5.9	54
47	Robust control for a class of uncertain nonlinear systems with input quantization. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 1585-1596	3.6	47
46	Decentralized Event-triggered Control for Interconnected Systems with Unknown Disturbances. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 1494-1515	4	43
45	Dissipativity-based asynchronous control of discrete-time Markov jump systems with mixed time delays. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 2161-2171	3.6	39
44	Neural Network-Based Adaptive Learning Control for Robot Manipulators With Arbitrary Initial Errors. <i>IEEE Access</i> , <b>2019</b> , 7, 180194-180204	3.5	21
43	Adaptive inverse control for parametric strict feedback systems with unknown failures of hysteretic actuators. <i>International Journal of Robust and Nonlinear Control</i> , <b>2015</b> , 25, 824-841	3.6	20
42	Error-Tracking Iterative Learning Control for Nonlinearly Parametric Time-Delay Systems With Initial State Errors. <i>IEEE Access</i> , <b>2018</b> , 6, 12167-12174	3.5	16
41	Adaptive Actuator Failure Compensation Control of Second-Order Nonlinear Systems With Unknown Time Delay. <i>IEEE Access</i> , <b>2018</b> , 6, 15170-15177	3.5	13
40	Adaptive Neural Network Control for Missile Systems With Unknown Hysteresis Input. <i>IEEE Access</i> , <b>2017</b> , 5, 15839-15847	3.5	13
39	Robust adaptive failure compensation of hysteretic actuators for parametric strict feedback systems <b>2011</b> ,		13
38	Event-Triggered Adaptive Control for Tank Gun Control Systems. <i>IEEE Access</i> , <b>2019</b> , 7, 17517-17523	3.5	13
37	Robust Learning Control for Robot Manipulators With Random Initial Errors and Iteration-Varying Reference Trajectories. <i>IEEE Access</i> , <b>2019</b> , 7, 32628-32643	3.5	12

36	Semi-global adaptive backstepping control for parametric strict-feedback systems with non-triangular structural uncertainties. <i>ISA Transactions</i> , <b>2021</b> ,	5.5	9
35	Decentralized Backstepping Control for Interconnected Systems with Non-triangular Structural Uncertainties. <i>IEEE Transactions on Automatic Control</i> , <b>2022</b> , 1-1	5.9	9
34	Robust Learning Control for Tank Gun Control Servo Systems Under Alignment Condition. <i>IEEE Access</i> , <b>2019</b> , 7, 145524-145531	3.5	8
33	Neural Network-Based Error-Tracking Iterative Learning Control for Tank Gun Control Systems With Arbitrary Initial States. <i>IEEE Access</i> , <b>2020</b> , 8, 72179-72187	3.5	7
32	Adaptive Iterative Learning Control for Tank Gun Servo Systems With Input Deadzone. <i>IEEE Access</i> , <b>2020</b> , 8, 63443-63451	3.5	7
31	Adaptive Failure Compensation of Actuators in Controlling Servo System Driven by Twin Motors. <i>IEEE Access</i> , <b>2018</b> , 6, 63223-63231	3.5	7
30	Robust Adaptive Backstepping Control of Second-order Nonlinear Systems with Non-triangular Structure Uncertainties. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 10814-10819		6
29	A Novel Nonlinear Control Technique With Its Application to Magnetic Levitated Systems. <i>IEEE Access</i> , <b>2018</b> , 6, 78659-78665	3.5	6
28	Adaptive Control for a Pneumatic Muscle Joint System With Saturation Input. <i>IEEE Access</i> , <b>2020</b> , 8, 117698-117705	3.5	6
27	Event-Triggered Control for Strict-Feedback Nonlinear Systems With External Disturbances. <i>IEEE Access</i> , <b>2019</b> , 7, 38390-38396	3.5	4
26	Non-fragile dissipative filtering of cyber-physical systems with random sensor delays. <i>ISA Transactions</i> , <b>2020</b> , 104, 115-121	5.5	4
25	Angle Tracking Robust Learning Control for Pneumatic Artificial Muscle Systems. <i>IEEE Access</i> , <b>2021</b> , 9, 142232-142238	3.5	3
24	Adaptive Dynamic Surface Control for Servo System Driven by Twin Motors With Unknown Actuator Failures. <i>IEEE Access</i> , <b>2019</b> , 7, 111528-111538	3.5	2
23	PI simultaneous stabilization and set-point output regulation of Port-Hamiltonian systems. <i>Journal of the Franklin Institute</i> , <b>2017</b> , 354, 8283-8292	4	2
22	Adaptive Backstepping Control for a Class of Nonlinear Systems With Unknown Time Delay. <i>IEEE Access</i> , <b>2020</b> , 8, 229-236	3.5	2
21	Robust Cooperative Output Regulation of Heterogeneous Uncertain Linear Multiagent Systems With Time-Varying Communication Topologies. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 4340-4347	5.9	2
20	Dual-Period Repetitive Control for Nonparametric Uncertain Systems With Deadzone Input. <i>IEEE Access</i> , <b>2019</b> , 7, 165488-165495	3.5	2
19	Recursive Sliding Mode Based Iterative Learning Control <b>2018</b> ,		2

18	Asymptotic Synchronization Control of Discrete-Time Delayed Neural Networks With a Reuse Mechanism Under Missing Data and Uncertainty. <i>IEEE Access</i> , <b>2018</b> , 6, 52073-52081	3.5	2
17	A New Adaptive Compensation Control for Parametric Systems With Actuator Aging. <i>IEEE Access</i> , <b>2019</b> , 7, 4260-4266	3.5	1
16	Adaptive Backstepping Control for a Class of Non-Triangular Structure Nonlinear Systems. <i>IEEE Access</i> , <b>2020</b> , 8, 76093-76099	3.5	1
15	Mean-Square Asymptotic Synchronization Control of Discrete-Time Neural Networks With Restricted Disturbances and Missing Data. <i>IEEE Access</i> , <b>2018</b> , 6, 10240-10248	3.5	1
14	Angle Error-Tracking Iterative Learning Control for Pneumatic Artificial Muscle System. <i>IEEE Access</i> , <b>2021</b> , 9, 163099-163107	3.5	1
13	Barrier Adaptive Iterative Learning Control for Tank Gun Control Systems Under Nonzero Initial Error Condition. <i>IEEE Access</i> , <b>2022</b> , 10, 8664-8672	3.5	1
12	High-Order Internal Model Based Barrier Iterative Learning Control for Time-Iteration-Varying Parametric Uncertain Systems with Arbitrary Initial Errors. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	1
11	Output Feedback Control for Pneumatic Muscle Joint System With Saturation Input. <i>IEEE Access</i> , <b>2020</b> , 8, 83901-83906	3.5	1
10	The Tracking Problem in Tank Gun Control Systems With Periodic Reference Signals. <i>IEEE Access</i> , <b>2020</b> , 8, 132086-132094	3.5	1
9	Angle tracking adaptive backstepping control for a pneumatic artificial muscle antagonistic joint <b>2019</b> ,		1
8	Adaptive Tracking Control for a Class of Uncertain Systems With Output Disturbance. <i>IEEE Access</i> , <b>2021</b> , 9, 129141-129147	3.5	1
7	Multi-Period Repetitive Control for Nonparametric Uncertain Systems. <i>IEEE Access</i> , <b>2019</b> , 7, 147849-147856	3.5	0
6	Adaptive Iterative Learning Control for Robot Manipulators With Time-Varying Parameters and Arbitrary Initial Errors. <i>IEEE Access</i> , <b>2021</b> , 9, 166920-166931	3.5	0
5	Adaptive Failure Compensation for Uncertain Systems with Unknown Utility Decrement of Actuators. <i>Asian Journal of Control</i> , <b>2018</b> , 20, 893-905	1.7	0
4	Adaptive Control for Strict Feedback Systems With Actuator Aging and External Disturbance. <i>IEEE Access</i> , <b>2019</b> , 7, 66990-66997	3.5	
3	Robust Learning Control for a Class of Uncertain Linear Motor Systems. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1631, 012008	0.3	
2	Adaptive Robust Failure Compensation Control for Servo System Driven by Twin Motors. <i>IEEE Access</i> , <b>2021</b> , 9, 542-550	3.5	
1	Fuzzy System-Based Position Tracking Iterative Learning Control for Tank Gun Control Systems With Error Constraints. <i>IEEE Access</i> , <b>2022</b> , 10, 52462-52471	3.5	

