

# Changyun Wen

## List of Publications by Year in descending order

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529  
papers

23,556  
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532  
docs citations

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times ranked

9882  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Adaptive Control of Uncertain Nonlinear Systems in the Presence of Input Saturation and External Disturbance. IEEE Transactions on Automatic Control, 2011, 56, 1672-1678.	5.7	917
2	Event-Triggered Adaptive Control for a Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 2071-2076.	5.7	914
3	Adaptive actuator failure compensation control of uncertain nonlinear systems with guaranteed transient performance. Automatica, 2010, 46, 2082-2091.	5.0	571
4	Distributed Secondary Voltage and Frequency Restoration Control of Droop-Controlled Inverter-Based Microgrids. IEEE Transactions on Industrial Electronics, 2015, 62, 4355-4364.	7.9	534
5	Adaptive Backstepping Control of a Class of Uncertain Nonlinear Systems With Unknown Backlash-Like Hysteresis. IEEE Transactions on Automatic Control, 2004, 49, 1751-1757.	5.7	508
6	Distributed adaptive control for consensus tracking with application to formation control of nonholonomic mobile robots. Automatica, 2014, 50, 1254-1263.	5.0	414
7	Adaptive Backstepping Stabilization of Nonlinear Uncertain Systems With Quantized Input Signal. IEEE Transactions on Automatic Control, 2014, 59, 460-464.	5.7	395
8	Adaptive Output Control of Nonlinear Systems With Uncertain Dead-Zone Nonlinearity. IEEE Transactions on Automatic Control, 2006, 51, 504-511.	5.7	361
9	Adaptive Consensus of Multi-Agent Systems With Unknown Identical Control Directions Based on A Novel Nussbaum-Type Function. IEEE Transactions on Automatic Control, 2014, 59, 1887-1892.	5.7	307
10	Adaptive compensation for actuator failures with event-triggered input. Automatica, 2017, 85, 129-136.	5.0	272
11	Adaptive compensation for infinite number of actuator failures or faults. Automatica, 2011, 47, 2197-2210.	5.0	265
12	Numerical investigation of geometry parameters for design of high performance ejectors. Applied Thermal Engineering, 2009, 29, 898-905.	6.0	264
13	Event-Triggered Output Feedback Control for a Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2019, 64, 290-297.	5.7	254
14	Distributed adaptive asymptotically consensus tracking control of nonlinear multi-agent systems with unknown parameters and uncertain disturbances. Automatica, 2017, 77, 133-142.	5.0	249
15	A Decentralized Dynamic Power Sharing Strategy for Hybrid Energy Storage System in Autonomous DC Microgrid. IEEE Transactions on Industrial Electronics, 2017, 64, 5930-5941.	7.9	245
16	A Novel Composite Nonlinear Controller for Stabilization of Constant Power Load in DC Microgrid. IEEE Transactions on Smart Grid, 2019, 10, 752-761.	9.0	239
17	Gradient Domain Guided Image Filtering. IEEE Transactions on Image Processing, 2015, 24, 4528-4539.	9.8	238
18	Distributed Economic Dispatch for Smart Grids With Random Wind Power. IEEE Transactions on Smart Grid, 2016, 7, 1572-1583.	9.0	235

#	ARTICLE	IF	CITATIONS
19	Adaptive finite-time consensus control of a group of uncertain nonlinear mechanical systems. <i>Automatica</i> , 2015, 51, 292-301.	5.0	225
20	Analysis and design of impulsive control systems. <i>IEEE Transactions on Automatic Control</i> , 2001, 45, 894-897.	5.7	208
21	Output feedback control for uncertain nonlinear systems with input quantization. <i>Automatica</i> , 2016, 65, 191-202.	5.0	192
22	Iterative learning control. , 1999, , .		190
23	Adaptive Output Feedback Control of Uncertain Nonlinear Systems With Hysteresis Nonlinearity. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 2627-2633.	5.7	189
24	Robust Adaptive Output Control of Uncertain Nonlinear Plants With Unknown Backlash Nonlinearity. <i>IEEE Transactions on Automatic Control</i> , 2007, 52, 503-509.	5.7	187
25	Adaptive output feedback tracking control of a nonholonomic mobile robot. <i>Automatica</i> , 2014, 50, 821-831.	5.0	183
26	Fault-tolerant finite time consensus for multiple uncertain nonlinear mechanical systems under single-way directed communication interactions and actuation failures. <i>Automatica</i> , 2016, 63, 374-383.	5.0	182
27	Analysis of a high-order iterative learning control algorithm for uncertain nonlinear systems with state delays. <i>Automatica</i> , 1998, 34, 345-353.	5.0	180
28	An iterative learning controller with initial state learning. <i>IEEE Transactions on Automatic Control</i> , 1999, 44, 371-376.	5.7	180
29	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
30	Shock circle model for ejector performance evaluation. <i>Energy Conversion and Management</i> , 2007, 48, 2533-2541.	9.2	179
31	Distributed Resilient Observer-Based Fault-Tolerant Control for Heterogeneous Multiagent Systems Under Actuator Faults and DoS Attacks. <i>IEEE Transactions on Control of Network Systems</i> , 2020, 7, 1308-1318.	3.7	172
32	Distributed Secondary Control for Power Allocation and Voltage Restoration in Islanded DC Microgrids. <i>IEEE Transactions on Sustainable Energy</i> , 2018, 9, 1857-1869.	8.8	170
33	Adaptive Consensus of Nonlinear Multi-Agent Systems With Non-Identical Partially Unknown Control Directions and Bounded Modelling Errors. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 4654-4659.	5.7	169
34	Robust load-frequency controller design for power systems. <i>IEE Proceedings C: Generation Transmission and Distribution</i> , 1993, 140, 11.	0.3	158
35	Decentralized adaptive regulation. <i>IEEE Transactions on Automatic Control</i> , 1994, 39, 2163-2166.	5.7	152
36	Adaptive Actuator Failure Compensation for a Class of Nonlinear Systems With Unknown Control Direction. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 385-392.	5.7	151

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37	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
38	A Scatter Learning Particle Swarm Optimization Algorithm for Multimodal Problems. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 1127-1140.	9.5	146
39	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
40	Decentralized adaptive stabilization in the presence of unknown backlash-like hysteresis. <i>Automatica</i> , 2007, 43, 426-440.	5.0	143
41	Adaptive Tracking Control for a Class of Stochastic Uncertain Nonlinear Systems With Input Saturation. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 2498-2504.	5.7	142
42	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
43	Input-to-state stabilization of switched nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 2001, 46, 1111-1116.	5.7	140
44	Robust Adaptive Failure Compensation of Hysteretic Actuators for a Class of Uncertain Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2013, 58, 2388-2394.	5.7	139
45	Design of a Unified Power Controller for Variable-Speed Fixed-Pitch Wind Energy Conversion System. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 4899-4908.	7.9	135
46	Adaptive control of uncertain nonlinear systems with quantized input signal. <i>Automatica</i> , 2018, 95, 152-162.	5.0	133
47	Decentralized Backstepping Adaptive Output Tracking of Interconnected Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2008, 53, 2378-2384.	5.7	130
48	Adaptive Backstepping Control of Nonlinear Uncertain Systems With Quantized States. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 4756-4763.	5.7	130
49	Decentralized adaptive backstepping stabilization of interconnected systems with dynamic input and output interactions. <i>Automatica</i> , 2009, 45, 55-67.	5.0	129
50	Detail-Enhanced Multi-Scale Exposure Fusion. <i>IEEE Transactions on Image Processing</i> , 2017, 26, 1243-1252.	9.8	129
51	Adaptive cyber-physical system attack detection and reconstruction with application to power systems. <i>IET Control Theory and Applications</i> , 2016, 10, 1458-1468.	2.1	128
52	Tracking Control for a Class of Unknown Nonsquare MIMO Nonaffine Systems: A Deep-Rooted Information Based Robust Adaptive Approach. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 3227-3233.	5.7	127
53	Event-Based Consensus for Linear Multiagent Systems Without Continuous Communication. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 2132-2142.	9.5	126
54	Global stable tracking control of underactuated ships with input saturation. <i>Systems and Control Letters</i> , 2015, 85, 1-7.	2.3	123

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55	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
56	Event-Triggered Adaptive Attitude Tracking Control for Spacecraft With Unknown Actuator Faults. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 2241-2250.	7.9	121
57	Adaptive Fault-Tolerant PI Tracking Control With Guaranteed Transient and Steady-State Performance. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 481-487.	5.7	118
58	Decentralized adaptive tracking control for a class of interconnected nonlinear systems with input quantization. <i>Automatica</i> , 2017, 81, 359-368.	5.0	118
59	Adaptive backstepping control design for systems with unknown high-frequency gain. <i>IEEE Transactions on Automatic Control</i> , 2000, 45, 2350-2354.	5.7	117
60	Adaptive backstepping control of uncertain systems with unknown input time-delay. <i>Automatica</i> , 2009, 45, 1415-1422.	5.0	112
61	Distributed Cooperative Adaptive Identification and Control for a Group of Continuous-Time Systems With a Cooperative PE Condition via Consensus. <i>IEEE Transactions on Automatic Control</i> , 2014, 59, 91-106.	5.7	110
62	Distributed Voltage Restoration and Current Sharing Control in Islanded DC Microgrid Systems Without Continuous Communication. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 3043-3053.	7.9	110
63	Global boundedness of discrete-time adaptive control just using estimator projection. <i>Automatica</i> , 1992, 28, 1143-1157.	5.0	105
64	Fast Mode Decision Algorithm for Inter-Frame Coding in Fully Scalable Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2006, 16, 889-895.	8.3	105
65	Continuous and Noninvasive Blood Pressure Measurement: A Novel Modeling Methodology of the Relationship Between Blood Pressure and Pulse Wave Velocity. <i>Annals of Biomedical Engineering</i> , 2009, 37, 2222-2233.	2.5	104
66	Robust Adaptive Fault-Tolerant PID Control of MIMO Nonlinear Systems With Unknown Control Direction. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 4876-4884.	7.9	103
67	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
68	Global Synchronization of Complex Dynamical Networks Through Digital Communication With Limited Data Rate. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015, 26, 2487-2499.	11.3	99
69	Decentralized adaptive backstepping control for a class of interconnected nonlinear systems with unknown actuator failures. <i>Journal of the Franklin Institute</i> , 2015, 352, 835-850.	3.4	99
70	An adaptive sliding mode observer for lithium-ion battery state of charge and state of health estimation in electric vehicles. <i>Control Engineering Practice</i> , 2016, 54, 81-90.	5.5	98
71	Impulsive control for the stabilization and synchronization of Lorenz systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 275, 67-72.	2.1	96
72	Stabilization of a class of switched systems via designing switching laws. <i>IEEE Transactions on Automatic Control</i> , 2001, 46, 665-670.	5.7	96

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73	Distributed Cooperative Secondary Control for Voltage Unbalance Compensation in an Islanded Microgrid. IEEE Transactions on Industrial Informatics, 2015, 11, 1078-1088.	11.3	96
74	Decentralized output-feedback adaptive control for a class of interconnected nonlinear systems with unknown actuator failures. Automatica, 2016, 71, 187-196.	5.0	96
75	Distributed Resilient Control for Energy Storage Systems in Cyber-Physical Microgrids. IEEE Transactions on Industrial Informatics, 2021, 17, 1331-1341.	11.3	96
76	The stabilization and synchronization of Chua's oscillators via impulsive control. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 1351-1355.	0.1	93
77	Decentralized adaptive control using integrator backstepping. Automatica, 1997, 33, 1719-1724.	5.0	91
78	Adaptive consensus of uncertain nonlinear systems with event triggered communication and intermittent actuator faults. Automatica, 2020, 111, 108667.	5.0	91
79	A new focus measure method using moments. Image and Vision Computing, 2000, 18, 959-965.	4.5	87
80	A Decentralized Control Strategy for Economic Operation of Autonomous AC, DC, and Hybrid AC/DC Microgrids. IEEE Transactions on Energy Conversion, 2017, 32, 1345-1355.	5.2	87
81	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
82	Event-Triggered Adaptive Control for a Class of Nonlinear Systems With Unknown Control Direction and Sensor Faults. IEEE Transactions on Automatic Control, 2020, 65, 763-770.	5.7	86
83	Fully Distributed Adaptive Consensus Control of a Class of High-Order Nonlinear Systems With a Directed Topology and Unknown Control Directions. IEEE Transactions on Cybernetics, 2018, 48, 2349-2356.	9.5	85
84	Fuel ejector design and simulation model for anodic recirculation SOFC system. Journal of Power Sources, 2007, 173, 437-449.	7.8	83
85	Adaptive Formation Control of Networked Robotic Systems With Bearing-Only Measurements. IEEE Transactions on Cybernetics, 2021, 51, 199-209.	9.5	82
86	Smooth control design for adaptive leader-following consensus control of a class of high-order nonlinear systems with time-varying reference. Automatica, 2017, 83, 361-367.	5.0	81
87	Observer-based stabilization of switching linear systems. Automatica, 2003, 39, 517-524.	5.0	80
88	A Robust Adaptive Iterative Learning Control for Trajectory Tracking of Permanent-Magnet Spherical Actuator. IEEE Transactions on Industrial Electronics, 2016, 63, 291-301.	7.9	80
89	Observer-Based Adaptive NN Control for a Class of Uncertain Nonlinear Systems With Nonsymmetric Input Saturation. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1520-1530.	11.3	80
90	A Decentralized Control Strategy for Autonomous Transient Power Sharing and State-of-Charge Recovery in Hybrid Energy Storage Systems. IEEE Transactions on Sustainable Energy, 2017, 8, 1443-1452.	8.8	80

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91	Switched and Impulsive Systems. Lecture Notes in Control and Information Sciences, 2005, , .	1.0	80
92	Practical tracking control of perturbed uncertain nonaffine systems with full state constraints. Automatica, 2019, 110, 108608.	5.0	79
93	Resilient Control and Analysis for DC Microgrid System Under DoS and Impulsive FDI Attacks. IEEE Transactions on Smart Grid, 2021, 12, 3742-3754.	9.0	76
94	A new chaotic secure communication system. IEEE Transactions on Communications, 2003, 51, 1306-1312.	7.8	75
95	A Unified Event-Triggered Control Approach for Uncertain Pure-Feedback Systems With or Without State Constraints. IEEE Transactions on Cybernetics, 2021, 51, 1262-1271.	9.5	75
96	Multi-scale exposure fusion via gradient domain guided image filtering. , 2017, , .		73
97	Implementation of Bidirectional Resonant DC Transformer in Hybrid AC/DC Micro-Grid. IEEE Transactions on Smart Grid, 2019, 10, 1532-1542.	9.0	72
98	Identification of a Class of Nonlinear Autoregressive Models With Exogenous Inputs Based on Kernel Machines. IEEE Transactions on Signal Processing, 2011, 59, 2146-2159.	5.3	71
99	Distributed Optimal Consensus Control for a Class of Uncertain Nonlinear Multiagent Networks With Disturbance Rejection Using Adaptive Technique. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4389-4399.	9.3	71
100	A robust high-order P-type iterative learning controller using current iteration tracking error. International Journal of Control, 1997, 68, 331-342.	1.9	70
101	New robust adaptive load-frequency control with system parametric uncertainties. IET Generation, Transmission and Distribution, 1994, 141, 184.	1.1	69
102	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
103	Backstepping Design of Adaptive Neural Fault-Tolerant Control for MIMO Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2605-2613.	11.3	68
104	Distributed Resilient Secondary Control for DC Microgrids Against Heterogeneous Communication Delays and DoS Attacks. IEEE Transactions on Industrial Electronics, 2022, 69, 11560-11568.	7.9	68
105	Harmonics Attenuation and Power Factor Correction of a More Electric Aircraft Power Grid Using Active Power Filter. IEEE Transactions on Industrial Electronics, 2016, 63, 7310-7319.	7.9	67
106	Intelligent Detail Enhancement for Exposure Fusion. IEEE Transactions on Multimedia, 2018, 20, 484-495.	7.2	66
107	Decentralized robust controller design for a class of interconnected uncertain systems: with unknown bound of uncertainty. IEEE Transactions on Automatic Control, 1996, 41, 850-854.	5.7	65
108	Hierarchical Decomposition Based Consensus Tracking for Uncertain Interconnected Systems via Distributed Adaptive Output Feedback Control. IEEE Transactions on Automatic Control, 2016, 61, 1938-1945.	5.7	65

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109	Second-Order Continuous-Time Algorithm for Optimal Resource Allocation in Power Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 626-637.	11.3	65
110	Robust decentralized adaptive stabilization of interconnected systems with guaranteed transient performance. Automatica, 2000, 36, 907-915.	5.0	62
111	A new adaptive control scheme for uncertain nonlinear systems with quantized input signal. Journal of the Franklin Institute, 2015, 352, 5599-5610.	3.4	61
112	Hierarchical Decentralized Optimization Architecture for Economic Dispatch: A New Approach for Large-Scale Power System. IEEE Transactions on Industrial Informatics, 2018, 14, 523-534.	11.3	60
113	Decentralized adaptive output-feedback controller design for stochastic nonlinear interconnected systems. Automatica, 2012, 48, 2866-2873.	5.0	59
114	Event-triggered control for stochastic nonlinear systems. Automatica, 2018, 95, 534-538.	5.0	58
115	Distributed Secure State Estimation and Control for CPSs Under Sensor Attacks. IEEE Transactions on Cybernetics, 2020, 50, 259-269.	9.5	57
116	Adaptive compensation for infinite number of actuator failures based on tuning function approach. Automatica, 2018, 87, 365-374.	5.0	56
117	Continuous and Noninvasive Measurement of Systolic and Diastolic Blood Pressure by One Mathematical Model with the Same Model Parameters and Two Separate Pulse Wave Velocities. Annals of Biomedical Engineering, 2012, 40, 871-882.	2.5	54
118	Adaptive asymptotic control of multivariable systems based on a one-parameter estimation approach. Automatica, 2017, 83, 124-132.	5.0	54
119	Anode gas recirculation behavior of a fuel ejector in hybrid solid oxide fuel cell systems: Performance evaluation in three operational modes. Journal of Power Sources, 2008, 185, 1122-1130.	7.8	53
120	Prescribed performance bound-based adaptive path-following control of uncertain nonholonomic mobile robots. International Journal of Adaptive Control and Signal Processing, 2017, 31, 805-822.	4.1	52
121	UWB/LiDAR Fusion For Cooperative Range-Only SLAM. , 2019, , .		52
122	MAS-Based Distributed Resilient Control for a Class of Cyber-Physical Systems With Communication Delays Under DoS Attacks. IEEE Transactions on Cybernetics, 2021, 51, 2347-2358.	9.5	52
123	Switched controllers and their applications in bilinear systems. Automatica, 2001, 37, 477-481.	5.0	51
124	Robust adaptive control of nonlinear discrete-time systems by backstepping without overparameterization. Automatica, 2001, 37, 551-558.	5.0	51
125	Global Exponential/Finite-Time Stability of Nonlinear Adaptive Switching Systems With Applications in Controlling Systems With Unknown Control Direction. IEEE Transactions on Automatic Control, 2018, 63, 2738-2744.	5.7	51
126	Synchronization of Continuous Dynamical Networks With Discrete-Time Communications. IEEE Transactions on Neural Networks, 2011, 22, 1979-1986.	4.2	50



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127	Discrete-time robust backstepping adaptive control for nonlinear time-varying systems. IEEE Transactions on Automatic Control, 2000, 45, 1749-1755.	5.7	49
128	Event-Triggered Model Predictive Control for Power Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 715-720.	7.9	49
129	Estimation of motion parameters from blurred images. Pattern Recognition Letters, 2000, 21, 425-433.	4.2	48
130	Content Adaptive Image Detail Enhancement. IEEE Signal Processing Letters, 2015, 22, 211-215.	3.6	48
131	Adaptive finite time coordinated consensus for high-order multi-agent systems: Adjustable fraction power feedback approach. Information Sciences, 2016, 372, 392-406.	6.9	48
132	Prespecifiable fixed-time control for a class of uncertain nonlinear systems in strict-feedback form. International Journal of Robust and Nonlinear Control, 2020, 30, 1203-1222.	3.7	48
133	Fast finite-time adaptive stabilization of high-order uncertain nonlinear system with an asymmetric output constraint. Automatica, 2020, 121, 109170.	5.0	48
134	A robust adaptive controller with minimal modifications for discrete time-varying systems. IEEE Transactions on Automatic Control, 1994, 39, 987-991.	5.7	47
135	Evaporator modeling – A hybrid approach. Applied Energy, 2009, 86, 81-88.	10.1	47
136	Model-Based Online Learning With Kernels. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 356-369.	11.3	47
137	Self-repairing control of a helicopter with input time delay via adaptive global sliding mode control and quantum logic. Information Sciences, 2015, 316, 123-131.	6.9	47
138	Adaptive backstepping based consensus tracking of uncertain nonlinear systems with event-triggered communication. Automatica, 2021, 133, 109841.	5.0	47
139	Adaptive fault-tolerant stabilization for nonlinear systems with Markovian jumping actuator failures and stochastic noises. Automatica, 2015, 51, 200-209.	5.0	46
140	Decentralized model reference adaptive control without restriction on subsystem relative degrees. IEEE Transactions on Automatic Control, 1999, 44, 1464-1469.	5.7	44
141	Determination of blur and affine combined invariants by normalization. Pattern Recognition, 2002, 35, 211-221.	8.1	44
142	Adaptive Consensus Control for Nonlinear Multiagent Systems With Unknown Control Directions and Time-Varying Actuator Faults. IEEE Transactions on Automatic Control, 2021, 66, 4222-4229.	5.7	44
143	Robust adaptive control of uncertain discrete-time systems. Automatica, 1999, 35, 321-329.	5.0	43
144	Redesigned Predictive Event-Triggered Controller for Networked Control System With Delays. IEEE Transactions on Cybernetics, 2016, 46, 2195-2206.	9.5	43

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145	Distributed Event-Triggered Control for Frequency Restoration and Active Power Allocation in Microgrids With Varying Communication Time Delays. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 8367-8378.	7.9	43
146	Predictive control of nonlinear continuous networked control systems with large time-varying transmission delays and transmission protocols. <i>Automatica</i> , 2016, 64, 76-85.	5.0	42
147	Edge-preserving smoothing pyramid based multi-scale exposure fusion. <i>Journal of Visual Communication and Image Representation</i> , 2018, 53, 235-244.	2.8	42
148	A Nonsmooth Composite Control Design Framework for Nonlinear Systems With Mismatched Disturbances: Algorithms and Experimental Tests. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 8828-8839.	7.9	42
149	Distributed Adaptive Containment Control for a Class of Nonlinear Multiagent Systems With Input Quantization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 2419-2428.	11.3	42
150	Event-triggered adaptive neural network controller for uncertain nonlinear system. <i>Information Sciences</i> , 2020, 506, 148-160.	6.9	42
151	Robust adaptive asymptotic tracking control of uncertain nonlinear systems subject to nonsmooth actuator nonlinearities. <i>International Journal of Adaptive Control and Signal Processing</i> , 2013, 27, 108-121.	4.1	41
152	Robust stability of a class of hybrid nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 2001, 46, 897-903.	5.7	40
153	Adaptive Sliding Mode Observer-Based Robust Fault Reconstruction for a Helicopter With Actuator Fault. <i>Asian Journal of Control</i> , 2016, 18, 1558-1565.	3.0	40
154	Indirect robust totally decentralized adaptive control of continuous-time interconnected systems. <i>IEEE Transactions on Automatic Control</i> , 1995, 40, 1122-1126.	5.7	39
155	Adaptive Backstepping Control for Fractional-Order Nonlinear Systems With External Disturbance and Uncertain Parameters Using Smooth Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 7860-7869.	9.3	39
156	A Direct Power Control Strategy for AC/DC Converter Based on Best Switching State Approach. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018, 6, 2273-2286.	5.4	38
157	Real-Time Event-Triggered Object Tracking in the Presence of Model Drift and Occlusion. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 2054-2065.	7.9	38
158	Voltage Restoration and Adjustable Current Sharing for DC Microgrid With Time Delay via Distributed Secondary Control. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 1068-1077.	8.8	38
159	Resilient output regulation in heterogeneous networked systems under Byzantine agents. <i>Automatica</i> , 2021, 133, 109872.	5.0	38
160	Adaptive control and synchronization for chaotic systems with parametric uncertainties. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 2409-2414.	2.1	37
161	Adaptive linear control of nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 1990, 35, 1253-1257.	5.7	36
162	Improved delay-range-dependent stability criteria for linear systems with interval time-varying delays. <i>IET Control Theory and Applications</i> , 2012, 6, 868.	2.1	36

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163	A distributed hierarchical algorithm for multi-cluster constrained optimization. <i>Automatica</i> , 2017, 77, 230-238.	5.0	35
164	Event-triggered tracking control for nonlinear systems subject to time-varying external disturbances. <i>Automatica</i> , 2020, 119, 109070.	5.0	35
165	Bearing-Based Adaptive Neural Formation Scaling Control for Autonomous Surface Vehicles With Uncertainties and Input Saturation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 4653-4664.	11.3	34
166	Stability analysis of decentralised robust adaptive control. <i>Systems and Control Letters</i> , 1988, 11, 277-284.	2.3	33
167	High-order iterative learning identification of projectile's aerodynamic drag coefficient curve from radar measured velocity data. <i>IEEE Transactions on Control Systems Technology</i> , 1998, 6, 563-570.	5.2	33
168	ROBUST ADAPTIVE CONTROL OF UNCERTAIN NONLINEAR SYSTEMS IN THE PRESENCE OF INPUT SATURATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 149-154.	0.4	33
169	Adaptive control and synchronization for a class of nonlinear chaotic systems using partial system states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 351, 79-84.	2.1	33
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