Yan-Jun Liu

List of Publications by Year
in descending order

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206	17,062	14614	14702
papers	citations	66 h-index	127 g-index

206	206	206	5504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Barrier Lyapunov Functions-based adaptive control for a class of nonlinear pure-feedback systems with full state constraints. Automatica, 2016, 64, 70-75.	3.0	716
2	Barrier Lyapunov functions for Nussbaum gain adaptive control of full state constrained nonlinear systems. Automatica, 2017, 76, 143-152.	3.0	674
3	Observer-Based Adaptive Fuzzy Backstepping Control for a Class of Stochastic Nonlinear Strict-Feedback Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1693-1704.	5.5	537
4	Adaptive Consensus Control for a Class of Nonlinear Multiagent Time-Delay Systems Using Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1217-1226.	7.2	531
5	Adaptive control-based Barrier Lyapunov Functions for a class of stochastic nonlinear systems with full state constraints. Automatica, 2018, 87, 83-93.	3.0	508
6	Observer-Based Adaptive Backstepping Consensus Tracking Control for High-Order Nonlinear Semi-Strict-Feedback Multiagent Systems. IEEE Transactions on Cybernetics, 2016, 46, 1591-1601.	6.2	504
7	Fuzzy Neural Network-Based Adaptive Control for a Class of Uncertain Nonlinear Stochastic Systems. IEEE Transactions on Cybernetics, 2014, 44, 583-593.	6.2	467
8	Neural Network Control-Based Adaptive Learning Design for Nonlinear Systems With Full-State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1562-1571.	7.2	424
9	Fuzzy Approximation-Based Adaptive Backstepping Optimal Control for a Class of Nonlinear Discrete-Time Systems With Dead-Zone. IEEE Transactions on Fuzzy Systems, 2016, 24, 16-28.	6.5	402
10	Neural Networks-Based Adaptive Finite-Time Fault-Tolerant Control for a Class of Strict-Feedback Switched Nonlinear Systems. IEEE Transactions on Cybernetics, 2019, 49, 2536-2545.	6.2	368
11	Observer-Based Neuro-Adaptive Optimized Control of Strict-Feedback Nonlinear Systems With State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3131-3145.	7.2	349
12	Adaptive Neural Output Feedback Tracking Control for a Class of Uncertain Discrete-Time Nonlinear Systems. IEEE Transactions on Neural Networks, 2011, 22, 1162-1167.	4.8	333
13	Integral Barrier Lyapunov function-based adaptive control for switched nonlinear systems. Science China Information Sciences, 2020, 63, 1.	2.7	330
14	Adaptive Fuzzy Control via Observer Design for Uncertain Nonlinear Systems With Unmodeled Dynamics. IEEE Transactions on Fuzzy Systems, 2013, 21, 275-288.	6.5	299
15	Neural Network-Based Adaptive Leader-Following Consensus Control for a Class of Nonlinear Multiagent State-Delay Systems. IEEE Transactions on Cybernetics, 2017, 47, 2151-2160.	6.2	290
16	Robust Adaptive Tracking Control for Nonlinear Systems Based on Bounds of Fuzzy Approximation Parameters. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2010, 40, 170-184.	3.4	276
17	Neural Networks-Based Adaptive Control for Nonlinear State Constrained Systems With Input Delay. IEEE Transactions on Cybernetics, 2019, 49, 1249-1258.	6.2	250
18	Adaptive Neural Output Feedback Controller Design With Reduced-Order Observer for a Class of Uncertain Nonlinear SISO Systems. IEEE Transactions on Neural Networks, 2011, 22, 1328-1334.	4.8	248

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19	Adaptive NN Tracking Control of Uncertain Nonlinear Discrete-Time Systems With Nonaffine Dead-Zone Input. IEEE Transactions on Cybernetics, 2015, 45, 497-505.	6.2	247
20	Adaptive Fuzzy Robust Output Feedback Control of Nonlinear Systems With Unknown Dead Zones Based on a Small-Gain Approach. IEEE Transactions on Fuzzy Systems, 2014, 22, 164-176.	6.5	234
21	Adaptive Controller Design-Based ABLF for a Class of Nonlinear Time-Varying State Constraint Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1546-1553.	5.9	227
22	Adaptive Fuzzy Control for a Class of Nonlinear Discrete-Time Systems With Backlash. IEEE Transactions on Fuzzy Systems, 2014, 22, 1359-1365.	6.5	217
23	Neuralâ€networkâ€based adaptive leaderâ€following consensus control for secondâ€order nonâ€linear multiâ€agent systems. IET Control Theory and Applications, 2015, 9, 1927-1934.	1.2	213
24	Adaptive Fuzzy Output Feedback Control for a Class of Nonlinear Systems With Full State Constraints. IEEE Transactions on Fuzzy Systems, 2018, 26, 2607-2617.	6.5	213
25	Reinforcement Learning Design-Based Adaptive Tracking Control With Less Learning Parameters for Nonlinear Discrete-Time MIMO Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 165-176.	7.2	212
26	Adaptive Fuzzy Identification and Control for a Class of Nonlinear Pure-Feedback MIMO Systems With Unknown Dead Zones. IEEE Transactions on Fuzzy Systems, 2015, 23, 1387-1398.	6.5	204
27	Fuzzy Adaptive Control With State Observer for a Class of Nonlinear Discrete-Time Systems With Input Constraint. IEEE Transactions on Fuzzy Systems, 2016, 24, 1147-1158.	6.5	204
28	Adaptive fuzzy control for a class of uncertain nonaffine nonlinear systems. Information Sciences, 2007, 177, 3901-3917.	4.0	203
29	Adaptive Neural Network Control for Active Suspension Systems With Time-Varying Vertical Displacement and Speed Constraints. IEEE Transactions on Industrial Electronics, 2019, 66, 9458-9466.	5.2	202
30	Neural Controller Design-Based Adaptive Control for Nonlinear MIMO Systems With Unknown Hysteresis Inputs. IEEE Transactions on Cybernetics, 2016, 46, 9-19.	6.2	187
31	Adaptive neural network-based control for a class of nonlinear pure-feedback systems with time-varying full state constraints. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 923-933.	8.5	187
32	Observer-based adaptive fuzzy tracking control for a class of uncertain nonlinear MIMO systems. Fuzzy Sets and Systems, 2011, 164, 25-44.	1.6	180
33	Fuzzy-Based Multierror Constraint Control for Switched Nonlinear Systems and Its Applications. IEEE Transactions on Fuzzy Systems, 2019, 27, 1519-1531.	6.5	180
34	Time-varying IBLFs-based adaptive control of uncertain nonlinear systems with full state constraints. Automatica, 2021, 129, 109595.	3.0	178
35	Adaptive fuzzy output tracking control for a class of uncertain nonlinear systems. Fuzzy Sets and Systems, 2009, 160, 2727-2754.	1.6	174
36	Adaptive fuzzy control for a class of unknown nonlinear dynamical systems. Fuzzy Sets and Systems, 2015, 263, 49-70.	1.6	165

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37	Adaptive NN Control Using Integral Barrier Lyapunov Functionals for Uncertain Nonlinear Block-Triangular Constraint Systems. IEEE Transactions on Cybernetics, 2017, 47, 3747-3757.	6.2	161
38	Neural Network Controller Design for a Class of Nonlinear Delayed Systems With Time-Varying Full-State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2625-2636.	7.2	161
39	Barrier Lyapunov Function-Based Adaptive Fuzzy FTC for Switched Systems and Its Applications to Resistanceâ€“Inductanceâ€“Capacitance Circuit System. IEEE Transactions on Cybernetics, 2020, 50, 3491-3502.	6.2	160
40	Adaptive NN Controller Design for a Class of Nonlinear MIMO Discrete-Time Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1007-1018.	7.2	159
41	Neural network based adaptive event trigger control for a class of electromagnetic suspension systems. Control Engineering Practice, 2021, 106, 104675.	3.2	150
42	Neural Network Controller Design for an Uncertain Robot With Time-Varying Output Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2060-2068.	5.9	141
43	Formation Control With Obstacle Avoidance for a Class of Stochastic Multiagent Systems. IEEE Transactions on Industrial Electronics, 2018, 65, 5847-5855.	5.2	138
44	Adaptive Neural Network Learning Controller Design for a Class of Nonlinear Systems With Time-Varying State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 66-75.	7.2	132
45	Multiple Lyapunov Functions for Adaptive Neural Tracking Control of Switched Nonlinear Nonlower-Triangular Systems. IEEE Transactions on Cybernetics, 2020, 50, 1877-1886.	6.2	131
46	Approximation-Based Adaptive Neural Tracking Control of Nonlinear MIMO Unknown Time-Varying Delay Systems With Full State Constraints. IEEE Transactions on Cybernetics, 2017, 47, 3100-3109.	6.2	123
47	Model Identification and Control Design for a Humanoid Robot. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 45-57.	5.9	122
48	Neural Network-Based Model-Free Adaptive Fault-Tolerant Control for Discrete-Time Nonlinear Systems With Sensor Fault. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2351-2362.	5.9	117
49	Optimal Control-Based Adaptive NN Design for a Class of Nonlinear Discrete-Time Block-Triangular Systems. IEEE Transactions on Cybernetics, 2016, 46, 2670-2680.	6.2	115
50	Adaptive robust fuzzy control for a class of uncertain chaotic systems. Nonlinear Dynamics, 2009, 57, 431-439.	2.7	110
51	Adaptive Neural Network Control for a Class of Nonlinear Systems With Function Constraints on States. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2732-2741.	7.2	110
52	Adaptive output feedback control for a class of nonlinear systems with full-state constraints. International Journal of Control, 2014, 87, 281-290.	1.2	109
53	A Unified Approach to Adaptive Neural Control for Nonlinear Discrete-Time Systems With Nonlinear Dead-Zone Input. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 139-150.	7.2	104
54	Finite-Time Convergence Adaptive Neural Network Control for Nonlinear Servo Systems. IEEE Transactions on Cybernetics, 2020, 50, 2568-2579.	6.2	102

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55	Fuzzy Adaptive Inverse Compensation Method to Tracking Control of Uncertain Nonlinear Systems With Generalized Actuator Dead Zone. IEEE Transactions on Fuzzy Systems, 2017, 25, 191-204.	6.5	101
56	Adaptive Neural Network-Based Tracking Control for Full-State Constrained Wheeled Mobile Robotic System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2410-2419.	5.9	99
57	Actuator Failure Compensation-Based Adaptive Control of Active Suspension Systems With Prescribed Performance. IEEE Transactions on Industrial Electronics, 2020, 67, 7044-7053.	5.2	97
58	Observer-based adaptive fuzzy-neural control for a class of uncertain nonlinear systems with unknown dead-zone input. ISA Transactions, 2010, 49, 462-469.	3.1	88
59	Adaptive fuzzy optimal control using direct heuristic dynamic programming for chaotic discrete-time system. JVC/Journal of Vibration and Control, 2016, 22, 595-603.	1.5	86
60	Modeling and Vibration Control for a Moving Beam With Application in a Drilling Riser. IEEE Transactions on Control Systems Technology, 2017, 25, 1036-1043.	3.2	86
61	Adaptive Fuzzy Asymptotic Control of MIMO Systems With Unknown Input Coefficients Via a Robust Nussbaum Gain-Based Approach. IEEE Transactions on Fuzzy Systems, 2017, 25, 1252-1263.	6.5	80
62	Adaptive NN Control Without Feasibility Conditions for Nonlinear State Constrained Stochastic Systems With Unknown Time Delays. IEEE Transactions on Cybernetics, 2019, 49, 4485-4494.	6.2	78
63	Adaptive Reinforcement Learning Control Based on Neural Approximation for Nonlinear Discrete-Time Systems With Unknown Nonaffine Dead-Zone Input. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 295-305.	7.2	75
64	Observer-Based Adaptive Neural Networks Control for Large-Scale Interconnected Systems With Nonconstant Control Gains. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1575-1585.	7.2	75
65	Partial State Constraints-Based Control for Nonlinear Systems With Backlash-Like Hysteresis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, , 1-5.	5.9	73
66	Fuzzy Observer Constraint Based on Adaptive Control for Uncertain Nonlinear MIMO Systems With Time-Varying State Constraints. IEEE Transactions on Cybernetics, 2021, 51, 1380-1389.	6.2	70
67	Neural Approximation-Based Adaptive Control for a Class of Nonlinear Nonstrict Feedback Discrete-Time Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1531-1541.	7.2	69
68	An Adaptive Neural Network Controller for Active Suspension Systems With Hydraulic Actuator. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5351-5360.	5.9	69
69	Adaptive Neural Network-Based Finite-Time Online Optimal Tracking Control of the Nonlinear System With Dead Zone. IEEE Transactions on Cybernetics, 2021, 51, 382-392.	6.2	69
70	Adaptive Neural Control Using Tangent Time-Varying BLFs for a Class of Uncertain Stochastic Nonlinear Systems With Full State Constraints. IEEE Transactions on Cybernetics, 2021, 51, 1943-1953.	6.2	65
71	Fuzzy Approximation-Based Adaptive Control of Nonlinear Uncertain State Constrained Systems With Time-Varying Delays. IEEE Transactions on Fuzzy Systems, 2020, 28, 1620-1630.	6.5	62
72	Adaptive Finite-Time Neural Network Control of Nonlinear Systems With Multiple Objective Constraints and Application to Electromechanical System. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5416-5426.	7.2	62

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73	Optimal Fault-Tolerant Control for Discrete-Time Nonlinear Strict-Feedback Systems Based on Adaptive Critic Design. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2179-2191.	7.2	55
74	Adaptive neural control using reinforcement learning for a class of robot manipulator. Neural Computing and Applications, 2014, 25, 135-141.	3.2	53
75	Adaptive Neural Network Control for a DC Motor System with Dead-Zone. Nonlinear Dynamics, 2013, 72, 141-147.	2.7	51
76	Neural-Network-Based Robust Optimal Tracking Control for MIMO Discrete-Time Systems With Unknown Uncertainty Using Adaptive Critic Design. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1239-1251.	7.2	51
77	Adaptive Fuzzy Tracking Control Based Barrier Functions of Uncertain Nonlinear MIMO Systems With Full-State Constraints and Applications to Chemical Process. IEEE Transactions on Fuzzy Systems, 2018, 26, 2145-2159.	6.5	51
78	Direct adaptive NN control for a class of discrete-time nonlinear strict-feedback systems. Neurocomputing, 2010, 73, 2498-2505.	3.5	48
79	Observer-Based Adaptive Fuzzy Tracking Control Using Integral Barrier Lyapunov Functionals for A Nonlinear System With Full State Constraints. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 617-627.	8.5	48
80	Adaptive Fuzzy Output-Feedback Control for Switched Uncertain Nonlinear Systems With Full-State Constraints. IEEE Transactions on Cybernetics, 2022, 52, 7340-7351.	6.2	47
81	Fuzzy tracking adaptive control of discrete-time switched nonlinear systems. Fuzzy Sets and Systems, 2017, 316, 35-48.	1.6	46
82	Adaptive fuzzy controller design of nonlinear systems withÂunknown gain sign. Nonlinear Dynamics, 2009, 58, 687-695.	2.7	44
83	Adaptive NN fault-tolerant control for discrete-time systems in triangular forms with actuator fault. Neurocomputing, 2015, 152, 209-221.	3.5	44
84	ADP-Based Online Tracking Control of Partially Uncertain Time-Delayed Nonlinear System and Application to Wheeled Mobile Robots. IEEE Transactions on Cybernetics, 2020, 50, 3182-3194.	6.2	44
85	Adaptive neural network tracking control for a class of non-linear systems. International Journal of Systems Science, 2010, 41, 143-158.	3.7	43
86	Adaptive Neural Network Control for Uncertain Time-Varying State Constrained Robotics Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2511-2518.	5.9	43
87	Adaptive Sliding Mode Control for Uncertain Active Suspension Systems With Prescribed Performance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6414-6422.	5.9	43
88	Observer-based direct adaptive fuzzy control of uncertain nonlinear systems and its applications. International Journal of Control, Automation and Systems, 2009, 7, 681-690.	1.6	40
89	Adaptive output feedback control of uncertain nonlinear systems based on dynamic surface control technique. International Journal of Robust and Nonlinear Control, 2012, 22, 945-958.	2.1	40
90	Adaptive fuzzy output feedback control of uncertain nonlinear systems with nonsymmetric dead-zone input. Nonlinear Dynamics, 2011, 63, 771-778.	2.7	37

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91	Decentralised adaptive control of cooperating Robotic manipulators with disturbance observers. IET Control Theory and Applications, 2014, 8, 515-521.	1.2	37
92	Echo State Networks Based Data-Driven Adaptive Fault Tolerant Control With Its Application to Electromechanical System. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1372-1382.	3.7	37
93	Data-Based Adaptive Fault Estimation and Fault-Tolerant Control for MIMO Model-Free Systems Using Generalized Fuzzy Hyperbolic Model. IEEE Transactions on Fuzzy Systems, 2018, 26, 3191-3205.	6.5	36
94	Stability Analysis of Tâ€“S Fuzzy Control System With Sampled-Dropouts Based on Time-Varying Lyapunov Function Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2566-2577.	5.9	36
95	Adaptive fuzzy output feedback decentralized control of pureâ€feedback nonlinear largeâ€scale systems. International Journal of Robust and Nonlinear Control, 2014, 24, 930-954.	2.1	35
96	Event-Triggered Tracking Control for Active Seat Suspension Systems With Time-Varying Full-State Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 582-590.	5.9	35
97	IBLF-Based Adaptive Neural Control of State-Constrained Uncertain Stochastic Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7345-7356.	7.2	35
98	Adaptive neural network tracking design for a class of uncertain nonlinear discrete-time systems with dead-zone. Science China Information Sciences, 2014, 57, 1-12.	2.7	34
99	Observer-Based Adaptive Neural Output Feedback Constraint Controller Design for Switched Systems Under Average Dwell Time. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3901-3912.	3.5	34
100	Adaptive Fault-Tolerant Consensus Protocols for Multiagent Systems With Directed Graphs. IEEE Transactions on Cybernetics, 2020, 50, 25-35.	6.2	32
101	Adaptive fuzzy output-feedback control of uncertain SISO nonlinear systems. Nonlinear Dynamics, 2010, 61, 749-761.	2.7	29
102	Relative Threshold-Based Event-Triggered Control for Nonlinear Constrained Systems With Application to Aircraft Wing Rock Motion. IEEE Transactions on Industrial Informatics, 2022, 18, 911-921.	7.2	29
103	Adaptive neural output feedback control of nonlinear discrete-time systems. Nonlinear Dynamics, 2011, 65, 65-75.	2.7	28
104	Adaptive Decentralized Controller Design for a Class of Switched Interconnected Nonlinear Systems. IEEE Transactions on Cybernetics, 2020, 50, 1644-1654.	6.2	27
105	Adaptive Output Feedback Tracking Control for a Class of Nonlinear Time-Varying State Constrained Systems With Fuzzy Dead-Zone Input. IEEE Transactions on Fuzzy Systems, 2021, 29, 1841-1852.	6.5	26
106	Active Suspension Control of Quarter-Car System With Experimental Validation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4714-4726.	5.9	26
107	Value Iteration-Based H_{âˆž} Controller Design for Continuous-Time Nonlinear Systems Subject to Input Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3986-3995.	5.9	25
108	Deep Echo State Network With Multiple Adaptive Reservoirs for Time Series Prediction. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 693-704.	2.6	23

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109	Adaptive fuzzy-neural tracking control for uncertain nonlinear discrete-time systems inÂtheÂNARMAX form. Nonlinear Dynamics, 2011, 66, 745-753.	2.7	22
110	Reinforcement Learning Neural Network-Based Adaptive Control for State and Input Time-Delayed Wheeled Mobile Robots. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4171-4182.	5.9	22
111	Output feedback stabilization based on dynamic surface control for a class of uncertain stochastic nonlinear systems. Nonlinear Dynamics, 2012, 67, 683-694.	2.7	21
112	Time-varying asymmetrical BLFs based adaptive finite-time neural control of nonlinear systems with full state constraints. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 1335-1343.	8.5	21
113	Adaptive Neural Network Control Design for Uncertain Nonstrict Feedback Nonlinear System With State Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3678-3686.	5.9	21
114	Direct adaptive robust NN control for a class of discrete-time nonlinear strict-feedback SISO systems. Neural Computing and Applications, 2012, 21, 1423-1431.	3.2	20
115	Adaptive Fuzzy Finite-Time Tracking Control for Nonstrict Full States Constrained Nonlinear System With Coupled Dead-Zone Input. IEEE Transactions on Cybernetics, 2022, 52, 1138-1149.	6.2	20
116	Neural networks-based adaptive dynamic surface control for vehicle active suspension systems with time-varying displacement constraints. Neurocomputing, 2020, 408, 176-187.	3.5	20
117	Adaptive control design for MIMO switched nonlinear systems with full state constraints. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1583-1600.	2.3	19
118	Adaptive Finite-Time NN Control for 3-DOF Active Suspension Systems With Displacement Constraints. IEEE Access, 2019, 7, 13577-13588.	2.6	19
119	Anti-Saturation-Based Adaptive Sliding-Mode Control for Active Suspension Systems With Time-Varying Vertical Displacement and Speed Constraints. IEEE Transactions on Cybernetics, 2022, 52, 6244-6254.	6.2	19
120	Fully Adaptive-Gain-Based Intelligent Failure-Tolerant Control for Spacecraft Attitude Stabilization Under Actuator Saturation. IEEE Transactions on Cybernetics, 2022, 52, 344-356.	6.2	18
121	Performance Improvement of Active Suspension Constrained System via Neural Network Identification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7089-7098.	7.2	18
122	Adaptive Fuzzy Tracking Control for Uncertain Nonlinear Systems With Multiple Actuators and Sensors Faults. IEEE Transactions on Fuzzy Systems, 2023, 31, 104-116.	6.5	18
123	Adaptive fuzzy controller design with observer for a class of uncertain nonlinear MIMO systems. Asian Journal of Control, 2011, 13, 868-877.	1.9	17
124	Decentralized control of uncertain nonlinear stochastic systems based on DSC. Nonlinear Dynamics, 2011, 64, 305-314.	2.7	17
125	Adaptive control for switched uncertain nonlinear systems with timeâ€varying output constraint and input saturation. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1344-1358.	2.3	17
126	Adaptive Finite-Time Control for Half-Vehicle Active Suspension Systems with Uncertain Dynamics. IEEE/ASME Transactions on Mechatronics, 2020, , 1-1.	3.7	17

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127	Adaptive Neural Consensus Tracking Control for Nonlinear Multiagent Systems Using Integral Barrier Lyapunov Functionals. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4544-4554.	7.2	17
128	Time-Varying Optimal Formation Control for Second-Order Multiagent Systems Based on Neural Network Observer and Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 3144-3155.	7.2	17
129	ROBUST ADAPTIVE FUZZY CONTROLLER DESIGN FOR A CLASS OF UNCERTAIN NONLINEAR TIME-DELAY SYSTEMS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2011, 19, 329-360.	0.9	15
130	Research on the Intelligent Control and Simulation of Automobile Cruise System Based on Fuzzy System. Mathematical Problems in Engineering, 2016, 2016, 1-12.	0.6	15
131	Adaptive Critic Design for Pure-Feedback Discrete-Time MIMO Systems Preceded by Unknown Backlashlike Hysteresis. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5681-5690.	7.2	15
132	Adaptive control of a class of switched nonlinear discrete-time systems with unknown parameter. Neurocomputing, 2016, 214, 1-6.	3.5	14
133	Minimum-Learning-Parameters-Based Adaptive Neural Fault Tolerant Control With Its Application to Continuous Stirred Tank Reactor. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1275-1285.	5.9	14
134	Adaptive Finite-Time Tracking Control for Continuous Stirred Tank Reactor With Time-Varying Output Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5929-5934.	5.9	14
135	Tangent barrier Lyapunov functionâ€based constrained control of flexible manipulator system with actuator failure. International Journal of Robust and Nonlinear Control, 2021, 31, 8523-8536.	2.1	14
136	Adaptive distributed tracking control for non-affine multi-agent systems with state constraints and dead-zone input. Journal of the Franklin Institute, 2022, 359, 352-370.	1.9	14
137	Adaptive Vehicle Stability Control of Half-Car Active Suspension Systems With Partial Performance Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-11.	5.9	12
138	Minimal learning parameters-based adaptive neural control for vehicle active suspensions with input saturation. Neurocomputing, 2020, 396, 153-161.	3.5	12
139	Adaptive NN Cross Backstepping Control for Nonlinear Systems With Partial Time-Varying State Constraints and Its Applications to Hyper-Chaotic Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2821-2832.	5.9	12
140	PDE Based Adaptive Control of Flexible Riser System With Input Backlash and State Constraints. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 2193-2202.	3.5	11
141	Adaptive NN Tracking Control for Uncertain MIMO Nonlinear System With Time-Varying State Constraints and Disturbances. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7309-7323.	7.2	11
142	Robust adaptive NN control for a class of uncertain discrete-time nonlinear MIMO systems. Neural Computing and Applications, 2013, 22, 747-754.	3.2	10
143	Adaptive fuzzy control with minimal leaning parameters for electric induction motors. Neurocomputing, 2015, 156, 143-150.	3.5	10
144	Adaptive neural network tracking design for a class of uncertain nonlinear discrete-time systems with unknown time-delay. Neurocomputing, 2015, 168, 152-159.	3.5	10

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145	Active contour model by combining edge and region information discrete dynamic systems. Advances in Mechanical Engineering, 2017, 9, 168781401769294.	0.8	10
146	Intelligent Motion Tracking Control of Vehicle Suspension Systems With Constraints via Neural Performance Analysis. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13896-13903.	4.7	10
147	Adaptive fuzzy faultâ€tolerant control of seat active suspension systems with actuator fault. IET Control Theory and Applications, 2021, 15, 1104-1114.	1.2	10
148	Adaptive neural network control of robot manipulator using reinforcement learning. JVC/Journal of Vibration and Control, 2014, 20, 2162-2171.	1.5	9
149	Neural network-based adaptive control for a class of chemical reactor systems with non-symmetric dead-zone. Neurocomputing, 2016, 174, 597-604.	3.5	9
150	A Practical Fault Diagnosis Algorithm Based on Aperiodic Corrected-Second Low-Frequency Processing for Microgrid Inverter. IEEE Transactions on Industrial Informatics, 2019, 15, 3889-3898.	7.2	9
151	Adaptive intelligence learning for nonlinear chaotic systems. Nonlinear Dynamics, 2013, 73, 2103-2109.	2.7	8
152	Adaptive neural network output tracking control of uncertain switched nonlinear systems: An improved multiple Lyapunov function method. Information Sciences, 2022, 606, 380-396.	4.0	8
153	Adaptive Intelligent Controller Design-Based ISS Modular Approach for Uncertain Nonlinear Systems With Time-Varying Full-State Constraints. IEEE Transactions on Artificial Intelligence, 2021, 2, 352-361.	3.4	7
154	Adaptive constraint control for flexible manipulator systems modeled by partial differential equations with deadâ€zone input. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1404-1416.	2.3	7
155	Adaptive eventâ€triggered control of multiâ€agent systems with state constraints and unknown disturbances. IET Control Theory and Applications, 2021, 15, 2171-2182.	1.2	7
156	Adaptive control for a class of nonlinear systems and application to hard disk drives. JVC/Journal of Vibration and Control, 2014, 20, 153-160.	1.5	6
157	Control of nonlinear systems with full state constraints using integral Barrier Lyapunov Functionals. , 2015, , .		6
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