

# Adaptive Neural Network Control of an Uncertain Robot

IEEE Transactions on Cybernetics

46, 620-629

DOI: [10.1109/tcyb.2015.2411285](https://doi.org/10.1109/tcyb.2015.2411285)

Citation Report

#	ARTICLE	IF	CITATIONS
1	MLP technique based reinforcement learning control of discrete pure-feedback systems. <i>Neurocomputing</i> , 2015, 168, 401-407.	3.5	9
2	Development and Implementation of a Wheeled Inverted Pendulum Vehicle Using Adaptive Neural Control with Extreme Learning Machines. <i>Cognitive Computation</i> , 2015, 7, 740-752.	3.6	7
3	Adaptive finite-time tracking control for a robotic manipulator with unknown deadzone. , 2015, , .		3
4	Adaptive neural network control of unknown nonlinear affine systems with input deadzone and output constraint. <i>ISA Transactions</i> , 2015, 58, 96-104.	3.1	49
5	Model tracking controller design of robot manipulator system with disturbances. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401559236.	0.8	1
7	An anti-interference EEG-EOG hybrid detection approach for motor image identification and eye track recognition. , 2015, , .		1
8	Optimization of the Parameters of RISE Feedback Controller Using Genetic Algorithm. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-9.	0.6	1
9	Adaptive Fuzzy Sliding Mode Control of MEMS Gyroscope with Finite Time Convergence. <i>Journal of Sensors</i> , 2016, 2016, 1-7.	0.6	12
10	An Augmented Discrete-Time Approach for Human-Robot Collaboration. <i>Discrete Dynamics in Nature and Society</i> , 2016, 2016, 1-13.	0.5	22
11	Distributed mirror descent method for saddle point problems over directed graphs. <i>Complexity</i> , 2016, 21, 178-190.	0.9	4
12	Terminal sliding mode control without singular for a class of uncertain system. <i>Complexity</i> , 2016, 21, 566-572.	0.9	5
13	Fast and Accurate Trajectory Tracking Control of an Autonomous Surface Vehicle With Unmodeled Dynamics and Disturbances. <i>IEEE Transactions on Intelligent Vehicles</i> , 2016, 1, 230-243.	9.4	103
14	A novel quantitative spectral analysis method based on parallel BP neural network for dissolved gas in transformer oil. , 2016, , .		12
15	Domain adaptation of image classification based on collective target nearest-neighbor representation. <i>Journal of Electronic Imaging</i> , 2016, 25, 033006.	0.5	4
16	Fuzzy control of a single-link flexible robotic manipulator using assumed mode method. , 2016, , .		3
17	Mechanical Design and Analysis of the Novel 6-DOF Variable Stiffness Robot Arm Based on Antagonistic Driven Joints. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016, 82, 207-235.	2.0	8
18	Learning Saliency Features for Face Detection and Recognition Using Multi-task Network. <i>International Journal of Social Robotics</i> , 2016, 8, 709-720.	3.1	9
19	Adaptive Neural Network Control of Biped Robots. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, , 1-12.	5.9	96

#	ARTICLE	IF	CITATIONS
20	Adaptive robust tracking control of a class of nonlinear systems with input delay. <i>Nonlinear Dynamics</i> , 2016, 85, 1127-1139.	2.7	34
21	Adaptive control of a class of switched nonlinear discrete-time systems with unknown parameter. <i>Neurocomputing</i> , 2016, 214, 1-6.	3.5	14
22	Adaptive control for a class of nonlinear time-delay systems with dead-zone input. <i>Journal of the Franklin Institute</i> , 2016, 353, 4400-4421.	1.9	24
23	Adaptive neuro-fuzzy tracking control of UUV using sliding-mode-control-theory-based online learning algorithm. , 2016, , .		1
24	Robust adaptive control of a class of uncertain nonlinear systems with time-varying output constraints. , 2016, , .		1
25	Adaptive neural control of robot manipulator with prescribed performance. , 2016, , .		1
26	Adaptive sliding-mode attitude control for autonomous underwater vehicles with input nonlinearities. <i>Ocean Engineering</i> , 2016, 123, 45-54.	1.9	270
27	Weighted average synchronization for a class of coupled switched neural networks with time-varying delay. , 2016, , .		0
28	Distributed control of second-order nonlinear time-delayed multiagent systems with disturbance using neural networks. , 2016, , .		1
29	Transient tracking performance guaranteed global NN control of robot manipulator. , 2016, , .		3
30	Fuzzy observer of discrete-time nonlinear systems via an efficient maximum-priority-based switching mechanism. , 2016, , .		0
31	Adaptive robust control of the mobile manipulator based on neural network. , 2016, , .		2
32	Global finite-time trajectory tracking control of autonomous surface vehicles. , 2016, , .		1
33	Trajectory tracking control of a flapping wing micro aerial vehicle via neural networks. , 2016, , .		3
34	Dynamic Surface Control for a Class of Nonlinear Feedback Linearizable Systems With Actuator Failures. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 28, 1-6.	7.2	19
35	Quality-related process monitoring for dynamic non-Gaussian batch process with multi-phase using a new data-driven method. <i>Neurocomputing</i> , 2016, 214, 317-328.	3.5	24
36	Smooth Neuroadaptive PI Tracking Control of Nonlinear Systems With Unknown and Nonsmooth Actuation Characteristics. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 28, 1-13.	7.2	37
37	Decentralized guaranteed cost control of interconnected systems with uncertainties: A learning-based optimal control strategy. <i>Neurocomputing</i> , 2016, 214, 297-306.	3.5	48

#	ARTICLE	IF	CITATIONS
38	Robust control for a class of nonlinear systems with unknown measurement drifts. <i>Automatica</i> , 2016, 71, 33-37.	3.0	20
39	Novel pinning control strategy for coupled neural networks with communication column graphs. <i>Neurocomputing</i> , 2016, 193, 260-267.	3.5	8
40	Adaptive Neural Impedance Control of a Robotic Manipulator With Input Saturation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 334-344.	5.9	682
41	Fuzzy Adaptive Control With State Observer for a Class of Nonlinear Discrete-Time Systems With Input Constraint. <i>IEEE Transactions on Fuzzy Systems</i> , 2016, 24, 1147-1158.	6.5	204
42	Robust Adaptive Neural Tracking Control for a Class of Perturbed Uncertain Nonlinear Systems With State Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 1618-1629.	5.9	205
43	Optimisation of Reference Gait Trajectory of a Lower Limb Exoskeleton. <i>International Journal of Social Robotics</i> , 2016, 8, 223-235.	3.1	25
44	Neural Network Control-Based Adaptive Learning Design for Nonlinear Systems With Full-State Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 1562-1571.	7.2	424
45	A Wireless BCI and BMI System for Wearable Robots. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 936-946.	5.9	60
46	Dynamic Balance Optimization and Control of Quadruped Robot Systems With Flexible Joints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 1338-1351.	5.9	43
47	Adaptive neural control for an uncertain robotic manipulator with joint space constraints. <i>International Journal of Control</i> , 2016, 89, 1428-1446.	1.2	72
48	Fuzzy performance evaluation of Evolutionary Algorithms based on extreme learning classifier. <i>Neurocomputing</i> , 2016, 175, 371-382.	3.5	2
49	Neural Network Control of a Robotic Manipulator With Input Deadzone and Output Constraint. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 759-770.	5.9	318
50	A Unified Approach to Adaptive Neural Control for Nonlinear Discrete-Time Systems With Nonlinear Dead-Zone Input. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 139-150.	7.2	104
51	Adaptive Fault-Tolerant Control of Uncertain Nonlinear Large-Scale Systems With Unknown Dead Zone. <i>IEEE Transactions on Cybernetics</i> , 2016, 46, 1851-1862.	6.2	292
52	Vision-Based Human Tracking Control of a Wheeled Inverted Pendulum Robot. <i>IEEE Transactions on Cybernetics</i> , 2016, 46, 2423-2434.	6.2	68
53	Neural network based dynamic surface control of hypersonic flight dynamics using small-gain theorem. <i>Neurocomputing</i> , 2016, 173, 690-699.	3.5	83
54	Distributed control of a class of flexible mechanical systems with global constraint. <i>International Journal of Control</i> , 2016, 89, 128-139.	1.2	17
55	Tracking control of a marine surface vessel with full-state constraints. <i>International Journal of Systems Science</i> , 2017, 48, 535-546.	3.7	64

#	ARTICLE	IF	CITATIONS
56	Novel migration operators of biogeography-based optimization and Markov analysis. <i>Soft Computing</i> , 2017, 21, 6605-6632.	2.1	5
57	Finite Time Fault Tolerant Control for Robot Manipulators Using Time Delay Estimation and Continuous Nonsingular Fast Terminal Sliding Mode Control. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 1681-1693.	6.2	332
58	Adaptive Fuzzy Backstepping Tracking Control for Strict-Feedback Systems With Input Delay. <i>IEEE Transactions on Fuzzy Systems</i> , 2017, 25, 642-652.	6.5	268
59	Data-Driven Tracking Control With Adaptive Dynamic Programming for a Class of Continuous-Time Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 1460-1470.	6.2	147
60	Adaptive Neural Network Control of a Marine Vessel With Constraints Using the Asymmetric Barrier Lyapunov Function. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 1641-1651.	6.2	342
61	Kinematic Analysis and Optimal Design of a Wall-mounted Four-limb Parallel Schlegel-flies-motion Robot for Pick-and-place Operations. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017, 85, 663-677.	2.0	24
62	Reference Adaptation for Robots in Physical Interactions With Unknown Environments. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 3504-3515.	6.2	21
63	Event-Triggered Fault Detection of Nonlinear Networked Systems. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 1041-1052.	6.2	297
64	Neural Network Control of a Flexible Robotic Manipulator Using the Lumped Spring-Mass Model. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 1863-1874.	5.9	247
65	Adaptive neural dynamic surface control of MIMO stochastic nonlinear systems with unknown control directions. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017, 31, 97-121.	2.3	20
66	Distributed Containment Maneuvering of Multiple Marine Vessels via Neurodynamics-Based Output Feedback. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 3831-3839.	5.2	269
67	A novel dynamic non-Gaussian approach for quality-related fault diagnosis with application to the hot strip mill process. <i>Journal of the Franklin Institute</i> , 2017, 354, 702-721.	1.9	33
68	Motion Segmentation and Balancing for a Biped Robot's Imitation Learning. <i>IEEE Transactions on Industrial Informatics</i> , 2017, 13, 1099-1108.	7.2	29
69	Adaptive Neural Tracking Control for Nonlinear Time-Delay Systems With Full State Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 1590-1601.	5.9	96
70	Dynamic Learning From Adaptive Neural Control of Robot Manipulators With Prescribed Performance. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 2244-2255.	5.9	198
71	Adaptive Neural Network Control of AUVs With Control Input Nonlinearities Using Reinforcement Learning. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 1019-1029.	5.9	395
72	Command Filter-Based Adaptive Neural Tracking Controller Design for Uncertain Switched Nonlinear Output-Constrained Systems. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 3160-3171.	6.2	185
73	An approach to the dynamic modeling and sliding mode control of the constrained robot. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401769047.	0.8	19

#	ARTICLE	IF	CITATIONS
74	Two performance enhanced control of flexible-link manipulator with system uncertainty and disturbances. Science China Information Sciences, 2017, 60, 1.	2.7	30
75	Adaptive Neural Control of Uncertain Nonlinear Systems Using Disturbance Observer. IEEE Transactions on Cybernetics, 2017, 47, 3110-3123.	6.2	212
76	Adaptive neural network control of a robotic manipulator with unknown backlash-like hysteresis. IET Control Theory and Applications, 2017, 11, 567-575.	1.2	60
77	Planning Stable and Efficient Paths for Reconfigurable Robots On Uneven Terrain. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 87, 291-312.	2.0	12
78	Coupled-disturbance-observer-based position tracking control for a cascade electro-hydraulic system. ISA Transactions, 2017, 68, 367-380.	3.1	31
79	A Novel Human-Robot Cooperative Method for Upper Extremity Rehabilitation. International Journal of Social Robotics, 2017, 9, 265-275.	3.1	27
80	Robust energy-to-peak filtering for discrete-time nonlinear systems with measurement quantization. Signal Processing, 2017, 139, 102-109.	2.1	31
81	Adaptive neural dynamic surface control of strict-feedback nonlinear systems with full state constraints and unmodeled dynamics. Automatica, 2017, 81, 232-239.	3.0	329
82	Finite-Time Synchronization of Coupled Hierarchical Hybrid Neural Networks With Time-Varying Delays. IEEE Transactions on Cybernetics, 2017, 47, 2995-3004.	6.2	43
83	Adaptive Impedance Control of Human-Robot Cooperation Using Reinforcement Learning. IEEE Transactions on Industrial Electronics, 2017, 64, 8013-8022.	5.2	107
84	Event-triggered fuzzy control for nonlinear networked control systems. Fuzzy Sets and Systems, 2017, 329, 91-107.	1.6	152
85	Randomness and diversity matter in the maintenance of the public resources. Europhysics Letters, 2017, 117, 58002.	0.7	7
86	Adaptive neural control for nonstrict-feedback stochastic nonlinear time-delay systems with input and output constraints. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1401-1417.	2.3	14
87	Block diagonal dominant remotely operated vehicle model simulation using decentralized model predictive control. Advances in Mechanical Engineering, 2017, 9, 168781401769888.	0.8	9
88	Adaptive backstepping neural control of state-delayed nonlinear systems with full state constraints and unmodeled dynamics. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1704-1722.	2.3	24
89	Barrier Lyapunov Functions-Based Adaptive Neural Control for Permanent Magnet Synchronous Motors With Full-State Constraints. IEEE Access, 2017, 5, 10382-10389.	2.6	33
90	AdaSharing: Adaptive Data Sharing in Collaborative Robots. IEEE Transactions on Industrial Electronics, 2017, 64, 9569-9579.	5.2	12
91	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

#	ARTICLE	IF	CITATIONS
92	A Light-Weight Rapid Control Prototyping System Based on Open Source Hardware. IEEE Access, 2017, 5, 11118-11130.	2.6	9
93	Haptic Identification by ELM-Controlled Uncertain Manipulator. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2398-2409.	5.9	137
94	Solar oscillation time delay measurement assisted celestial navigation method. Acta Astronautica, 2017, 134, 152-158.	1.7	12
95	Autonomous Switched Control of Load Shifting Robot Manipulators. IEEE Transactions on Industrial Electronics, 2017, 64, 7161-7170.	5.2	25
96	Fuzzy MTEJ controller with integrator for control of underactuated manipulators. Robotics and Computer-Integrated Manufacturing, 2017, 48, 93-101.	6.1	7
97	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
98	Adding low-cost passive toe joints to the feet structure of SURENA III humanoid robot. Robotica, 2017, 35, 2099-2121.	1.3	6
99	Barrier Lyapunov functions for Nussbaum gain adaptive control of full state constrained nonlinear systems. Automatica, 2017, 76, 143-152.	3.0	674
100	Consensus Control of Nonlinear Multiagent Systems With Time-Varying State Constraints. IEEE Transactions on Cybernetics, 2017, 47, 2110-2120.	6.2	67
101	Fault Estimation Observer Design of Discrete-Time Nonlinear Systems via a Joint Real-Time Scheduling Law. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1451-1463.	5.9	43
102	Decentralized Single-Neuron-Based Distributed Controller for Vibration Equalization in an Elastic Coupled Multi-motor System. Arabian Journal for Science and Engineering, 2017, 42, 2885-2897.	1.7	2
103	Robust Adaptive Fault-Tolerant Control for a Class of Uncertain Nonlinear Time Delay Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1554-1563.	5.9	55
104	Augmented virtual stiffness rendering of a cable-driven SEA for human-robot interaction. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 714-723.	8.5	9
105	Adaptive fuzzy output feedback control for a class of nonlinear pure-feedback systems with full state constraints. , 2017, , .		1
106	Bounded control of robotic manipulators via fuzzy logic systems. , 2017, , .		0
107	Fuzzy control for vehicle status estimation considering roll stability and its application in target recognition of automobile cruise system. Advances in Mechanical Engineering, 2017, 9, 168781401770169.	0.8	3
108	Adaptive neural DSC for stochastic nonlinear constrained systems under arbitrary switchings. Nonlinear Dynamics, 2017, 90, 2531-2544.	2.7	10
109	Adaptive neural tracking control for nonstrict-feedback stochastic nonlinear time-delay systems with full-state constraints. International Journal of Systems Science, 2017, 48, 3018-3031.	3.7	11

#	ARTICLE	IF	CITATIONS
110	Distributed coordinated tracking control of multiple Euler-Lagrange systems by state and output feedback. IET Control Theory and Applications, 2017, 11, 2213-2221.	1.2	30
111	Neural network velocity field control of robotic exoskeletons with bounded input. , 2017, , .		13
112	Robust adaptive critic control design with network-based event-triggered formulation. Nonlinear Dynamics, 2017, 90, 2023-2035.	2.7	31
113	Global adaptive tracking control of robot manipulators using neural networks with finite-time learning convergence. International Journal of Control, Automation and Systems, 2017, 15, 1916-1924.	1.6	64
114	Adaptive Neural Network Control of a Robotic Manipulator With Time-Varying Output Constraints. IEEE Transactions on Cybernetics, 2017, 47, 3136-3147.	6.2	256
115	Using artificial neural network on flight distance prediction for paper plane. Advances in Mechanical Engineering, 2017, 9, 168781401771496.	0.8	0
116	Distributed control of networked uncertain Euler-Lagrange systems in the presence of stochastic disturbances: a prescribed performance approach. Nonlinear Dynamics, 2017, 90, 697-715.	2.7	43
117	A PD Controller of Flexible Joint Manipulator Based on Neuro-Adaptive Observer. Lecture Notes in Computer Science, 2017, , 355-364.	1.0	0
118	A survey of human-centered intelligent robots: issues and challenges. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 602-609.	8.5	236
119	Geometry Optimization of Flexure System Topologies Using the Boundary Learning Optimization Tool (BLOT). , 2017, , .		0
120	Nonlinear dynamic modeling for fault ride-through capability of DFIG-based wind farm. Nonlinear Dynamics, 2017, 89, 2683-2694.	2.7	27
121	Design and Implementation of a Novel Hybrid Driven Underwater Vehicle. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 201-216.	2.0	2
122	Automatic Relevance Determination of Adaptive Variational Bayes Sparse Decomposition for Micro-Cracks Detection in Thermal Sensing. IEEE Sensors Journal, 2017, 17, 5220-5230.	2.4	9
123	Adaptive Neural Dynamic Surface Control of Pure-Feedback Nonlinear Systems With Full State Constraints and Dynamic Uncertainties. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2378-2387.	5.9	131
124	Crack Evaluation Based on Novel Circle-Ferrite Induction Thermography. IEEE Sensors Journal, 2017, 17, 5637-5645.	2.4	15
125	Robust frequency control design on micro-grid with unknown dead-zone nonlinearity. , 2017, , .		2
126	Observer-Based Adaptive Fault-Tolerant Tracking Control of Nonlinear Nonstrict-Feedback Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-12.	7.2	86
127	Robust passive control for a class of uncertain neutral systems based on sliding mode observer. ISA Transactions, 2017, 66, 64-76.	3.1	9



#	ARTICLE	IF	CITATIONS
128	Output Feedback Control of Multirate Sampled-Data Systems With Frequency Specifications. IEEE Transactions on Control Systems Technology, 2017, 25, 1599-1608.	3.2	21
129	End-Point Regulation and Vibration Suppression of a Flexible Robotic Manipulator. Asian Journal of Control, 2017, 19, 245-254.	1.9	31
130	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
131	Modified adaptive neural dynamic surface control for morphing aircraft with input and output constraints. Nonlinear Dynamics, 2017, 87, 2367-2383.	2.7	56
132	Vibration control of a flexible marine riser with joint angle constraint. Nonlinear Dynamics, 2017, 87, 617-632.	2.7	16
133	Fuzzy tracking adaptive control of discrete-time switched nonlinear systems. Fuzzy Sets and Systems, 2017, 316, 35-48.	1.6	46
134	Teleoperation Control Based on Combination of Wave Variable and Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2125-2136.	5.9	287
135	Adaptive backstepping control for an n-degree of freedom robotic manipulator based on combined state augmentation. Robotics and Computer-Integrated Manufacturing, 2017, 44, 129-143.	6.1	51
136	Neural Control of Bimanual Robots With Guaranteed Global Stability and Motion Precision. IEEE Transactions on Industrial Informatics, 2017, 13, 1162-1171.	7.2	328
137	Multi-Instant Observer Design of Discrete-Time Fuzzy Systems: A Ranking-Based Switching Approach. IEEE Transactions on Fuzzy Systems, 2017, 25, 1281-1292.	6.5	103
138	Dealing With the Issues Crucially Related to the Functionality and Reliability of NN-Associated Control for Nonlinear Uncertain Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2614-2625.	7.2	45
139	Sliding mode control of robotic arms with deadzone. IET Control Theory and Applications, 2017, 11, 1214-1221.	1.2	34
140	A Neurodynamic Model to Solve Nonlinear Pseudo-Monotone Projection Equation and Its Applications. IEEE Transactions on Cybernetics, 2017, 47, 3050-3062.	6.2	46
141	Global Asymptotic Output Feedback Stabilization for a Class of Stochastic High-Order Planar Systems. Circuits, Systems, and Signal Processing, 2017, 36, 2959-2970.	1.2	1
142	Inverse Kinematics Based Human Mimicking System using Skeletal Tracking Technology. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 85, 27-45.	2.0	34
143	Control Synthesis of Discrete-Time Fuzzy Systems: Reducing the Conservatism Whilst Alleviating the Computational Burden. IEEE Transactions on Cybernetics, 2017, 47, 2480-2491.	6.2	111
144	Observer-based adaptive fuzzy tracking control of nonlinear systems with time delay and input saturation. Fuzzy Sets and Systems, 2017, 316, 49-68.	1.6	135
145	Adaptive Backstepping Control of Spacecraft Rendezvous and Proximity Operations With Input Saturation and Full-State Constraint. IEEE Transactions on Industrial Electronics, 2017, 64, 480-492.	5.2	163

#	ARTICLE	IF	CITATIONS
146	Adaptive Fuzzy Control of Nonlinear Systems With Unmodeled Dynamics and Input Saturation Using Small-Gain Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1979-1989.	5.9	258
147	Fuzzy Tracking Control for Nonlinear Networked Systems. IEEE Transactions on Cybernetics, 2017, 47, 2020-2031.	6.2	126
148	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
149	Development of a robotic arm suitable for demonstration of advanced control methods. , 2017, , .		2
150	Parametric adaptive control of electro-hydraulic system driving two-DOF robotic arm. , 2017, , .		4
151	Stability analysis of bilateral teleoperation system based on data sampling with time delay. , 2017, , .		3
152	Adaptive Neural Network Control of a Flapping Wing Micro Aerial Vehicle With Disturbance Observer. IEEE Transactions on Cybernetics, 2017, 47, 3452-3465.	6.2	283
153	Neural Network Control of a Robotic Manipulator with Time-Varying Output Constraints by State Feedback * *This work was supported by the National Natural Science Foundation of China under Grant 61522302, 6161101273, the Newton Advanced Fellowship from The Royal Society, UK, under Grant NA160436 the Beijing Natural Science Foundation under Grant 4172041, and the Fundamental Research Funds for the China Central Universities of USTB under Grant FRF-BD-16-005A and FRF-TP-15-005C1.. IFAC-PapersOnLine, 2017, 50, 8969-8974.	0.5	5
154	A geno-neural approach to data fusion for fixed infrared sensor arrays. , 2017, , .		1
155	Neural network control of lower limb rehabilitation exoskeleton with repetitive motion. , 2017, , .		4
156	Adaptive Fractional Sliding Mode Control of Active Power Filter Based on Dual RBF Neural Networks. IEEE Access, 2017, 5, 27590-27598.	2.6	35
157	Teleoperation control for bimanual robots based on RBFNN and wave variable. , 2017, , .		0
158	Sliding Mode Control for an Inhomogeneous Heat Equation with Global Constraint. Asian Journal of Control, 2017, 19, 2116-2126.	1.9	8
159	Neural-learning enhanced admittance control of a robot manipulator with input saturation. , 2017, , .		4
160	Fuzzy uncertainty observer based path following control of underactuated marine vehicles with unmodelled dynamics and disturbances. , 2017, , .		2
161	Neural control of robotic manipulator with guaranteed tracking precision and velocity constraints. , 2017, , .		0
162	Neural control for constrained human-robot interaction with human motion intention estimation and impedance learning. , 2017, , .		1
163	A novel sliding mode control method for underactuated overhead cranes. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
164	Formal methods for adaptive control of dynamical systems. , 2017, , .		8
165	Kalman filtering for multiple-delay wireless network systems. , 2017, , .		0
166	Adaptive neural control for stochastic pureâ€œfeedback nonâ€œlinear timeâ€œdelay systems with output constraint and asymmetric input saturation. IET Control Theory and Applications, 2017, 11, 2288-2298.	1.2	17
167	Boundary control of a flexible crane system in twoâ€œdimensional space. IET Control Theory and Applications, 2017, 11, 2187-2194.	1.2	8
168	Robust Backstepping Control of Wing Rock Using Disturbance Observer. Applied Sciences (Switzerland), 2017, 7, 219.	1.3	9
169	An Improved Recurrent Neural Network for Complex-Valued Systems of Linear Equation and Its Application to Robotic Motion Tracking. Frontiers in Neurorobotics, 2017, 11, 45.	1.6	10
170	Constrained Adaptive Neural Control of Nonlinear Strict-Feedback Systems with Input Dead-Zone. Mathematical Problems in Engineering, 2017, 2017, 1-11.	0.6	1
171	Dynamic Learning from Adaptive Neural Control of Uncertain Robots with Guaranteed Full-State Tracking Precision. Complexity, 2017, 2017, 1-14.	0.9	3
172	Neural Learning Control of Flexible Joint Manipulator with Predefined Tracking Performance and Application to Baxter Robot. Complexity, 2017, 2017, 1-14.	0.9	15
173	Pinning Synchronization for Complex Networks with Interval Coupling Delay by Variable Subintervals Method and Finslerâ€™s Lemma. Complexity, 2017, 2017, 1-9.	0.9	1
174	A Brief Review of Neural Networks Based Learning and Control and Their Applications for Robots. Complexity, 2017, 2017, 1-14.	0.9	43
175	Dynamic Traffic Congestion Simulation and Dissipation Control Based on Traffic Flow Theory Model and Neural Network Data Calibration Algorithm. Complexity, 2017, 2017, 1-11.	0.9	7
176	Motion Planning for Omnidirectional Wheeled Mobile Robot by Potential Field Method. Journal of Advanced Transportation, 2017, 2017, 1-11.	0.9	39
177	Adaptive neural dynamic surface control of output constrained nonâ€œlinear systems with unknown control direction. IET Control Theory and Applications, 2017, 11, 2994-3003.	1.2	22
178	A serial distance calculation circuit for the application in artificial neural networks and pattern recognition. , 2017, , .		0
179	Research on the humanlike trajectories control of robots based on the k-nearest neighbors. , 2017, , .		1
180	Sliding mode tracking control of a two-link robotic manipulator using nonlinear disturbance observer. , 2017, , .		7
181	Decentralized adaptive dynamic surface control of nonlinear systems with output constraints. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
182	Remote Estimator Design for Time-Delay Neural Networks Using Communication State Information. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5149-5158.	7.2	25
183	An adaptive RBF neural network control method for a class of nonlinear systems. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 457-462.	8.5	124
184	An Adaptive Periodic-Disturbance Observer for Periodic-Disturbance Suppression. IEEE Transactions on Industrial Informatics, 2018, 14, 4446-4456.	7.2	85
185	Fast Batched Solution for Real-Time Optimal Power Flow With Penetration of Renewable Energy. IEEE Access, 2018, 6, 13898-13910.	2.6	19
186	Enhanced Robust Motion Tracking Control for 6 Degree-of-freedom Industrial Assembly Robot with Disturbance Adaption. International Journal of Control, Automation and Systems, 2018, 16, 921-928.	1.6	14
187	A new composite adaptive controller featuring the neural network and prescribed sliding surface with application to vibration control. Mechanical Systems and Signal Processing, 2018, 107, 409-428.	4.4	44
188	Adaptive Actuator Failure Compensation Control of Second-Order Nonlinear Systems With Unknown Time Delay. IEEE Access, 2018, 6, 15170-15177.	2.6	15
189	Event-Based Adaptive NN Tracking Control of Nonlinear Discrete-Time Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4359-4369.	7.2	55
190	The Effect of Remote Center Compliance Parameters on Formation Control of Cooperative Wheeled Mobile Robots for Object Manipulation. International Journal of Control, Automation and Systems, 2018, 16, 306-317.	1.6	5
191	Robust Adaptive Tracking Control for Manipulators Based on a TSK Fuzzy Cerebellar Model Articulation Controller. IEEE Access, 2018, 6, 1670-1679.	2.6	28
192	Practical Time-Delay Control With Adaptive Gains for Trajectory Tracking of Robot Manipulators. IEEE Transactions on Industrial Electronics, 2018, 65, 5682-5692.	5.2	84
193	RBF Neural Network Sliding Mode Consensus of Multiagent Systems with Unknown Dynamical Model of Leader-follower Agents. International Journal of Control, Automation and Systems, 2018, 16, 749-758.	1.6	21
194	Novel Ultrasound System With Intelligent Compensation for High Precision Measurement of Thin Wall Tube. IEEE Sensors Journal, 2018, 18, 6633-6643.	2.4	12
195	Robust adaptive control for a class of semi-strict feedback systems with state and input constraints. International Journal of Robust and Nonlinear Control, 2018, 28, 3189-3211.	2.1	18
196	Data-Selective Volterra Adaptive Filters. Circuits, Systems, and Signal Processing, 2018, 37, 4651-4664.	1.2	5
197	Adaptive Tracking Control of Nonholonomic Mobile Manipulators Using Recurrent Neural Networks. International Journal of Control, Automation and Systems, 2018, 16, 1390-1403.	1.6	30
198	Adaptive tracking control for nonlinear time-varying delay systems with full state constraints and unknown control coefficients. Automatica, 2018, 93, 444-453.	3.0	97
199	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

#	ARTICLE	IF	CITATIONS
200	A Real-Time State-Observer-Based Controller for a Stochastic Robotic Manipulator. IEEE Transactions on Industry Applications, 2018, 54, 1806-1822.	3.3	8
201	Distributed adaptive consensus tracking control for nonlinear multi-agent systems with state constraints. Applied Mathematics and Computation, 2018, 326, 16-32.	1.4	120
202	Robot manipulator control using neural networks: A survey. Neurocomputing, 2018, 285, 23-34.	3.5	228
203	A modified Elman neural network with a new learning rate scheme. Neurocomputing, 2018, 286, 11-18.	3.5	124
204	The impulse excitation joint servo drive design and adaptive backstepping control of humanoid robots. Journal of Bionic Engineering, 2018, 15, 114-125.	2.7	11
205	Adaptive robust sliding mode trajectory tracking control for 6 degree-of-freedom industrial assembly robot with disturbances. Assembly Automation, 2018, 38, 259-267.	1.0	26
206	Antiwindup Control of an Electrohydraulic System With Load Disturbance and Modeling Uncertainty. IEEE Transactions on Industrial Informatics, 2018, 14, 3097-3108.	7.2	24
207	Robust Zeroing Neural-Dynamics and Its Time-Varying Disturbances Suppression Model Applied to Mobile Robot Manipulators. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4385-4397.	7.2	118
208	Neuroadaptive Control of Strict Feedback Systems With Full-State Constraints and Unknown Actuation Characteristics: An Inexpensive Solution. IEEE Transactions on Cybernetics, 2018, 48, 3126-3134.	6.2	36
209	On-Line Initialization and Extrinsic Calibration of an Inertial Navigation System With a Relative Preintegration Method on Manifold. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1272-1285.	3.4	17
210	Enhancing trajectory tracking accuracy for industrial robot with robust adaptive control. Robotics and Computer-Integrated Manufacturing, 2018, 51, 97-102.	6.1	42
211	Adaptive neural network control of a flexible string system with non-symmetric dead-zone and output constraint. Neurocomputing, 2018, 283, 1-8.	3.5	89
212	Integrated 3D Flight Trajectory Tracking Control with Aerodynamic Constraints on Attitude and control Surfaces. Asian Journal of Control, 2018, 20, 1891-1906.	1.9	4
213	Nonlinear observer-based recurrent wavelet neuro-controller in disturbance rejection control of flexible structures. Engineering Applications of Artificial Intelligence, 2018, 69, 50-64.	4.3	13
214	Adaptive neural network tracking control-based reinforcement learning for wheeled mobile robots with skidding and slipping. Neurocomputing, 2018, 283, 20-30.	3.5	60
215	Decentralized adaptive neural control for interconnected stochastic nonlinear delay-time systems with asymmetric saturation actuators and output constraints. Journal of the Franklin Institute, 2018, 355, 54-80.	1.9	23
216	Online optimal solutions for multi-player nonzero-sum game with completely unknown dynamics. Neurocomputing, 2018, 283, 87-97.	3.5	50
217	A Learning-based Multi-RRT Approach for Robot Path Planning in Narrow Passages. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 90, 81-100.	2.0	62

#	ARTICLE	IF	CITATIONS
218	Modeling and control for cooperative transport of a slung fluid container using quadrotors. Chinese Journal of Aeronautics, 2018, 31, 262-272.	2.8	23
219	Fault detection filter design for a class of nonlinear Markovian jumping systems with mode-dependent time-varying delays. Nonlinear Dynamics, 2018, 91, 1871-1884.	2.7	49
220	Comparative Study of Neural Networks for Control of Nonlinear Dynamical Systems with Lyapunov Stability-Based Adaptive Learning Rates. Arabian Journal for Science and Engineering, 2018, 43, 2971-2993.	1.7	7
221	Neural adaptive tracking control for an uncertain robot manipulator with time-varying joint space constraints. Mechanical Systems and Signal Processing, 2018, 112, 44-60.	4.4	47
222	Adaptive Approximation-Based Regulation Control for a Class of Uncertain Nonlinear Systems Without Feedback Linearizability. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3747-3760.	7.2	49
223	Multi-threaded learning control mechanism for neural networks. Future Generation Computer Systems, 2018, 87, 16-34.	4.9	55
224	Implementation of the load frequency control by two approaches: variable gain super-twisting algorithm and super-twisting-like algorithm. Nonlinear Dynamics, 2018, 93, 1073-1086.	2.7	4
225	Adaptive-neural-network-based robust lateral motion control for autonomous vehicle at driving limits. Control Engineering Practice, 2018, 76, 41-53.	3.2	178
227	Advanced Topics on Computer Vision, Control and Robotics in Mechatronics. , 2018, , .		2
228	Neural-Dynamic Optimization-Based Model Predictive Control for Tracking and Formation of Nonholonomic Multirobot Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6113-6122.	7.2	68
229	Adaptive neural network-based visual servoing control for manipulator with unknown output nonlinearities. Information Sciences, 2018, 451-452, 16-33.	4.0	22
230	Robust adaptive fault-tolerant control of a tandem coaxial ducted fan aircraft with actuator saturation. Chinese Journal of Aeronautics, 2018, 31, 1298-1310.	2.8	23
231	Numerical Optimization and Cyber-Physical- Social Computing for Vibrations of the Elliptical Treadmill Based on GSO-BPNN Model. IEEE Access, 2018, 6, 10886-10895.	2.6	4
232	Sliding Mode Control for Flexible-link Manipulators Based on Adaptive Neural Networks. International Journal of Automation and Computing, 2018, 15, 239-248.	4.5	47
233	Adaptive Fuzzy Output Feedback Control for Nonlinear Nonstrict-Feedback Time-Delay Systems with Full State Constraints. International Journal of Fuzzy Systems, 2018, 20, 1730-1744.	2.3	22
234	Variational Bayesian Subgroup Adaptive Sparse Component Extraction for Diagnostic Imaging System. IEEE Transactions on Industrial Electronics, 2018, 65, 8142-8152.	5.2	55
235	Distributed Attitude Coordinated Control of Multiple Spacecraft With Attitude Constraints. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2233-2245.	2.6	74
236	Neural Network Approximation Based Near-Optimal Motion Planning With Kinodynamic Constraints Using RRT. IEEE Transactions on Industrial Electronics, 2018, 65, 8718-8729.	5.2	95

#	ARTICLE	IF	CITATIONS
237	Immersion and invariance adaptive control with ĩf-modification for uncertain nonlinear systems. Journal of the Franklin Institute, 2018, 355, 2091-2111.	1.9	13
238	Adaptive Visual Servoing of Contour Features. IEEE/ASME Transactions on Mechatronics, 2018, 23, 811-822.	3.7	46
239	Active Control of an Elastic Beam Based on State and Input Constraints. IEEE Access, 2018, 6, 10635-10643.	2.6	12
240	Adaptive decentralized fault-tolerant tracking control of a class of uncertain large-scale nonlinear systems with actuator faults. Transactions of the Institute of Measurement and Control, 2018, 40, 831-842.	1.1	10
241	Enhanced Robotic Handâ€™Eye Coordination Inspired From Human-Like Behavioral Patterns. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 384-396.	2.6	10
242	Distributed Task Allocation of Multiple Robots: A Control Perspective. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 693-701.	5.9	181
243	Tracking-Error-Based Universal Adaptive Fuzzy Control for Output Tracking of Nonlinear Systems with Completely Unknown Dynamics. IEEE Transactions on Fuzzy Systems, 2018, 26, 869-883.	6.5	105
244	A Grouping Particle Swarm Optimizer with Personal-Best-Position Guidance for Large Scale Optimization. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1904-1915.	1.9	7
245	Adaptive NN Dynamic Surface Controller Design for Nonlinear Pure-Feedback Switched Systems With Time-Delays and Quantized Input. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1676-1688.	5.9	105
246	Nonlinear Stabilizing Control for Ship-Mounted Cranes With Ship Roll and Heave Movements: Design, Analysis, and Experiments. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1781-1793.	5.9	119
247	Output-Feedback Path-Following Control of Autonomous Underwater Vehicles Based on an Extended State Observer and Projection Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 535-544.	5.9	272
248	Distributed tracking control of a class of multi-agent systems in non-affine pure-feedback form under a directed topology. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 169-180.	8.5	28
249	Model-Based Adaptive Event-Triggered Control of Strict-Feedback Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1033-1045.	7.2	213
250	Adaptive Fuzzy Neural Network Control for a Constrained Robot Using Impedance Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1174-1186.	7.2	514
251	On Mixed Data and Event Driven Design for Adaptive-Critic-Based Nonlinear $H_{\infty}$ Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 993-1005.	7.2	108
252	Adaptive Algorithms for Performance Improvement of a Class of Continuum Manipulators. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1531-1541.	5.9	17
253	Adaptive neural control for nonstrict-feedback time-delay systems with input and output constraints. International Journal of Machine Learning and Cybernetics, 2018, 9, 1533-1540.	2.3	4
254	Adaptive Optimal Control Using Frequency Selective Information of the System Uncertainty With Application to Unmanned Aircraft. IEEE Transactions on Cybernetics, 2018, 48, 165-177.	6.2	13

#	ARTICLE	IF	CITATIONS
255	Adaptive Neural Tracking Control for an Uncertain State Constrained Robotic Manipulator With Unknown Time-Varying Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2219-2228.	5.9	115
256	RNN Models for Dynamic Matrix Inversion: A Control-Theoretical Perspective. IEEE Transactions on Industrial Informatics, 2018, 14, 189-199.	7.2	173
257	Distortion Compensation for a Robotic Hardware-In-The-Loop Contact Simulator. IEEE Transactions on Control Systems Technology, 2018, 26, 1170-1179.	3.2	8
258	Composite Learning Control of Flexible-Link Manipulator Using NN and DOB. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1979-1985.	5.9	74
259	Cooperative Motion Generation in a Distributed Network of Redundant Robot Manipulators With Noises. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1715-1724.	5.9	138
260	Personalized Variable Gain Control With Tremor Attenuation for Robot Teleoperation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1759-1770.	5.9	140
261	Neuro-adaptive observer based control of flexible joint robot. Neurocomputing, 2018, 275, 73-82.	3.5	79
262	Neural-network-based adaptive fault-tolerant tracking control of uncertain nonlinear time-delay systems under output constraints and infinite number of actuator faults. Neurocomputing, 2018, 272, 343-355.	3.5	24
263	Event-Triggered Fault Detection Filter Design for Nonlinear Networked Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1851-1862.	5.9	196
264	Adaptive Critic-Based Event-Triggered Control for HVAC System. IEEE Transactions on Industrial Informatics, 2018, 14, 178-188.	7.2	76
265	Adaptive neural control of constrained strict-feedback nonlinear systems with input unmodeled dynamics. Neurocomputing, 2018, 272, 596-605.	3.5	23
266	Asymptotic Tracking Controller Design for Nonlinear Systems With Guaranteed Performance. IEEE Transactions on Cybernetics, 2018, 48, 2001-2011.	6.2	43
267	Constrained adaptive neural control for a class of nonstrict-feedback nonlinear systems with disturbances. Neurocomputing, 2018, 272, 405-415.	3.5	17
268	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
269	Underactuated Flexible Aerial Manipulators: a New Framework for Optimal Trajectory Planning Under Constraints Induced by Complex Dynamics. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 92, 599-613.	2.0	7
270	A Novel Sensor Fault Detection in an Unmanned Quadrotor Based on Adaptive Neural Observer. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 90, 473-484.	2.0	38
271	Survey on Fuzzy-Logic-Based Guidance and Control of Marine Surface Vehicles and Underwater Vehicles. International Journal of Fuzzy Systems, 2018, 20, 572-586.	2.3	251
272	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



#	ARTICLE	IF	CITATIONS
273	Adaptive Unknown Input Estimation by Sliding Modes and Differential Neural Network Observer. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3499-3509.	7.2	8
275	Dynamic Modeling of a Class of Continuum Manipulators in Fixed Orientation. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 91, 413-424.	2.0	30
276	Finite-Time Sideslip Observer-Based Adaptive Fuzzy Path-Following Control of Underactuated Marine Vehicles with Time-Varying Large Sideslip. International Journal of Fuzzy Systems, 2018, 20, 1767-1778.	2.3	54
277	Event-triggered adaptive backstepping control for parametric strict-feedback nonlinear systems. International Journal of Robust and Nonlinear Control, 2018, 28, 976-1000.	2.1	111
278	Nussbaum-Based Adaptive Fuzzy Tracking Control of Unmanned Surface Vehicles with Fully Unknown Dynamics and Complex Input Nonlinearities. International Journal of Fuzzy Systems, 2018, 20, 259-268.	2.3	38
279	Relaxed Control Design of Discrete-Time Takagi-Sugeno Fuzzy Systems: An Event-Triggered Real-Time Scheduling Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2251-2262.	5.9	175
280	Interface Design of a Physical Human-Robot Interaction System for Human Impedance Adaptive Skill Transfer. IEEE Transactions on Automation Science and Engineering, 2018, 15, 329-340.	3.4	168
281	$H_\infty$ control of anti-rollover strategy based on predictive vertical tire force. Transactions of the Institute of Measurement and Control, 2018, 40, 3587-3603.	1.1	9
282	Adaptive neural control for MIMO stochastic nonlinear pure-feedback systems with input saturation and full-state constraints. Neurocomputing, 2018, 275, 298-307.	3.5	38
283	Gain scheduled dynamic surface control for a class of underactuated mechanical systems using neural network disturbance observer. Neurocomputing, 2018, 275, 1998-2008.	3.5	17
284	Sliding mode control of MEMS gyroscopes using composite learning. Neurocomputing, 2018, 275, 2555-2564.	3.5	17
285	Neural network adaptive control design for robot manipulators under velocity constraints. Journal of the Franklin Institute, 2018, 355, 693-713.	1.9	28
286	Multi-period mean-variance fuzzy portfolio optimization model with transaction costs. Engineering Applications of Artificial Intelligence, 2018, 67, 260-269.	4.3	60
287	Neural network-based $H_\infty$ sliding mode control for nonlinear systems with actuator faults and unmatched disturbances. Neurocomputing, 2018, 275, 2009-2018.	3.5	24
288	Semi-Autonomous Bilateral Teleoperation of Hexapod Robot Based on Haptic Force Feedback. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 91, 583-602.	2.0	11
289	Global Asymptotic Model-Free Trajectory-Independent Tracking Control of an Uncertain Marine Vehicle: An Adaptive Universe-Based Fuzzy Control Approach. IEEE Transactions on Fuzzy Systems, 2018, 26, 1613-1625.	6.5	133
290	Prescribed Performance Control of Uncertain Euler-Lagrange Systems Subject to Full-State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3478-3489.	7.2	179
291	Bioinspired control design using cerebellar model articulation controller network for omnidirectional mobile robots. Advances in Mechanical Engineering, 2018, 10, 168781401879434.	0.8	9

#	ARTICLE	IF	CITATIONS
292	Adaptive Tracking Control for Robotic Manipulators with Time-Varying State Constraints. , 2018, , .		0
293	Fuzzy adaptive control for a class of uncertain nonlinear pure-feedback systems with full state constraints. , 2018, , .		3
295	Decentralized Robust Exact Tracking Control for 2-DOF Planar Robot Manipulator. , 2018, , .		0
296	Co-designed of network scheduling and sliding mode control for underwater shuttle based on adaptive genetic algorithm. Assembly Automation, 2018, 38, 635-644.	1.0	4
297	Simulation Verifications of ZND Control for Dynamics-Included Robot Systems Extended from One Link to Multiple Links. , 2018, , .		0
298	A Review on Tracking Control of Nonholonomic Mobile Robots. , 2018, , .		0
299	A Robust Path Planning For Mobile Robot Using Smart Particle Swarm Optimization. Procedia Computer Science, 2018, 133, 290-297.	1.2	65
300	Adaptive Neural Network Control of Uncertain Strict-Feedback Systems with Full-State Constrains by Integral-Barrier Lyapunov Functions. , 2018, , .		2
301	Dynamic learning from adaptive neural control for flexible joint robot with tracking error constraints using high-gain observer. Systems Science and Control Engineering, 2018, 6, 177-190.	1.8	7
302	Adaptive Hyperbolic Tangent Sliding-Mode Control for Building Structural Vibration Systems for Uncertain Earthquakes. IEEE Access, 2018, 6, 74728-74736.	2.6	27
303	Different Reformulation, ZD Tracking Control and Analysis of One-Link Rigid Robot System with Motor Dynamics. , 2018, , .		0
304	A Dynamic Parameter Identification Method for Flexible Joints Based on Adaptive Control. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2896-2908.	3.7	32
305	The Robustness of Modern Deep Learning Architectures against Single Event Upset Errors. , 2018, , .		19
306	Modelica Based Object-Oriented Modeling and PD-Computed Torque Control of a 2-DOF Robotic Arm. , 2018, , .		2
307	Adaptive Tracking Control for a Class of Manipulator Systems with State Constraints and Stochastic Disturbances. Mathematical Problems in Engineering, 2018, 2018, 1-6.	0.6	1
308	Disturbance Observer Based Linear Feedback Controller for Compliant Motion of Humanoid Robot. , 2018, , .		12
309	Adaptive Fuzzy Control of Strict-Feedback Nonlinear Time-Delay Systems with Full-State Constraints. International Journal of Fuzzy Systems, 2018, 20, 2556-2565.	2.3	24
310	Adaptive visual servoing control for an underwater soft robot. Assembly Automation, 2018, 38, 669-677.	1.0	13

#	ARTICLE	IF	CITATIONS
311	Tracking control of uncertain nonlinear systems with deferred asymmetric time-varying full state constraints. <i>Automatica</i> , 2018, 98, 314-322.	3.0	129
312	Barrier Lyapunov function-based decentralized adaptive neural control for uncertain high-order stochastic nonlinear interconnected systems with output constraints. <i>Journal of the Franklin Institute</i> , 2018, 355, 8484-8509.	1.9	20
313	Full-State Error Constraints Based Dynamic Surface Control of Electro-Hydraulic System. <i>IEEE Access</i> , 2018, 6, 53092-53101.	2.6	22
314	Time-Varying Impedance Control of Port Hamiltonian System with a New Energy-Storing Tank. <i>Complexity</i> , 2018, 2018, 1-10.	0.9	4
315	Adaptive Neural Control of a Class of Pure-Feedback Nonlinear Systems with Full State Constrains. , 2018, , .		0
316	Asymmetric error-constrained path-following control of a stratospheric airship. , 2018, , .		0
317	Neural network-based bounded control of robotic exoskeletons without velocity measurements. <i>Control Engineering Practice</i> , 2018, 80, 94-104.	3.2	17
318	Fully state constraint impulsive control for non-autonomous delayed nonlinear dynamic systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2018, 29, 383-394.	2.1	22
319	Fault-tolerant iterative learning control for mobile robots non-repetitive trajectory tracking with output constraints. <i>Automatica</i> , 2018, 94, 63-71.	3.0	129
320	Lag Synchronization of Complex Networks via Decentralized Adaptive Control. <i>Lecture Notes in Computer Science</i> , 2018, , 372-379.	1.0	0
321	Optimal Robust Control Design for Constrained Uncertain Systems: A Fuzzy-Set Theoretic Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 3494-3505.	6.5	48
322	Aero-Engine On-Board Dynamic Adaptive MGD Neural Network Model Within a Large Flight Envelope. <i>IEEE Access</i> , 2018, 6, 45755-45761.	2.6	24
323	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{z} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle$ Tracking Control of Fuzzy Dynamic Output for Nonlinear Networked System with Packet Dropouts. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-10.	0.6	0
324	Distributed-observer-based output synchronization for heterogeneous double-integral networks. <i>Applied Mathematics and Computation</i> , 2018, 337, 535-544.	1.4	5
325	Optimizing the Geometry of Flexure System Topologies Using the Boundary Learning Optimization Tool. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-14.	0.6	4
326	Research on the realization path of smart old-age care in Suzhou based on intelligent recommendation system. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 35, 3051-3063.	0.8	5
327	A Bio-Inspired Control Strategy for Locomotion of a Quadruped Robot. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 56.	1.3	20
328	Adaptive neural network-based control for a class of nonlinear pure-feedback systems with time-varying full state constraints. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2018, 5, 923-933.	8.5	187

#	ARTICLE	IF	CITATIONS
329	Finite-time decentralized adaptive neural constrained control for interconnected nonlinear time-delay systems with dynamics couplings among subsystems. <i>ISA Transactions</i> , 2018, 80, 54-64.	3.1	3
330	Prescribed Performance Constraint Regulation of Electrohydraulic Control Based on Backstepping with Dynamic Surface. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 76.	1.3	22
331	Pitch Channel Control of a REMUS AUV with Input Saturation and Coupling Disturbances. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 253.	1.3	14
332	Priority Neuron: A Resource-Aware Neural Network for Cyber-Physical Systems. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2018, 37, 2732-2742.	1.9	7
333	Cooperative deterministic learning control for a group of homogeneous nonlinear uncertain robot manipulators. <i>Science China Information Sciences</i> , 2018, 61, 1.	2.7	20
334	Adaptive Neural Control of Pure-Feedback Nonlinear Systems With Event-Triggered Communications. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 6242-6251.	7.2	101
335	A New Robust Adaptive Control for Uncertain Nonlinear Systems. , 2018, , .		1
336	Adaptive cooperative formation control of autonomous surface vessels with uncertain dynamics and external disturbances. <i>Ocean Engineering</i> , 2018, 167, 36-44.	1.9	93
337	Port-Controlled Hamiltonian and Sliding Mode Control of Gantry Robot Based on Induction Motor Drives. <i>IEEE Access</i> , 2018, 6, 43840-43849.	2.6	5
338	Generalized and Exponential Synchronization for a Class of Novel Complex Dynamic Networks with Hybrid Time-varying Delay via IPAPC. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 2501-2517.	1.6	6
339	Vibration Boundary Control for a One-Dimensional Flexible Beam System With Restricted Input. <i>IEEE Access</i> , 2018, 6, 43336-43342.	2.6	7
340	Partial State Constraints-Based Control for Nonlinear Systems With Backlash-Like Hysteresis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, , 1-5.	5.9	73
341	Adaptive operation-space control of redundant manipulators with joint limits avoidance. , 2018, , .		1
342	Adaptive neural network-based saturated control of robotic exoskeletons. <i>Nonlinear Dynamics</i> , 2018, 94, 123-139.	2.7	14
343	Neuroadaptive Cooperative Control Without Velocity Measurement for Multiple Humanoid Robots Under Full-State Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 2956-2964.	5.2	38
344	Removing the Feasibility Conditions Imposed on Tracking Control Designs for State-Constrained Strict-Feedback Systems. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 1265-1272.	3.6	273
345	Design of a Model-Free Cross-Coupled Controller with Application to Robotic NOTES. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2019, 95, 473-489.	2.0	4
346	Observer-Based Adaptive Fuzzy Fault-Tolerant Control for Stochastic Nonstrict-Feedback Nonlinear Systems With Input Quantization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 287-298.	5.9	144

#	ARTICLE	IF	CITATIONS
347	Event-Triggered Adaptive Neural Network Controller in a Cyber-Physical Framework. IEEE Transactions on Industrial Informatics, 2019, 15, 2101-2111.	7.2	22
348	Neural Block Control via Integrator Backstepping for a Robotic Arm in Real-Time. Neural Processing Letters, 2019, 49, 1139-1155.	2.0	1
349	Full-Order Sliding-Mode Control of Rigid Robotic Manipulators. Asian Journal of Control, 2019, 21, 1228-1236.	1.9	21
350	Backpropagating Constraints-Based Trajectory Tracking Control of a Quadrotor With Constrained Actuator Dynamics and Complex Unknowns. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1322-1337.	5.9	84
351	Fault Tolerant Nonrepetitive Trajectory Tracking for MIMO Output Constrained Nonlinear Systems Using Iterative Learning Control. IEEE Transactions on Cybernetics, 2019, 49, 3180-3190.	6.2	65
352	Cluster lag synchronization of delayed heterogeneous complex dynamical networks via intermittent pinning control. Neural Computing and Applications, 2019, 31, 7945-7961.	3.2	10
353	Plume Front Tracking in Unknown Environments by Estimation and Control. IEEE Transactions on Industrial Informatics, 2019, 15, 911-921.	7.2	24
354	Improving the performance of evolutionary algorithms: a new approach utilizing information from the evolutionary process and its application to the fuzzy portfolio optimization problem. Annals of Operations Research, 2019, 272, 119-137.	2.6	6
355	UDE-Based Variable Impedance Control of Uncertain Robot Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2487-2498.	5.9	47
356	Nonrepetitive Leader-Follower Formation Tracking for Multiagent Systems With LOS Range and Angle Constraints Using Iterative Learning Control. IEEE Transactions on Cybernetics, 2019, 49, 1748-1758.	6.2	71
357	A Dynamic Tracking Control for the 4500 $\mu$ m-Human Occupied Vehicle. Lecture Notes in Computer Science, 2019, , 240-249.	1.0	1
358	A Hybrid Adaptive Control Strategy for Industrial Robotic Joints. IEEE Access, 2019, 7, 47034-47042.	2.6	3
359	Observer-based synergetic adaptive neural network control for a class of discrete-time nonlinear systems with dead-zone. International Journal of Systems Science, 2019, 50, 1826-1834.	3.7	3
360	Fault-Tolerant Control of Robotic Manipulators With/Without Output Constraints. Lecture Notes in Computer Science, 2019, , 593-604.	1.0	1
361	Stochastic numerical approach for solving second order nonlinear singular functional differential equation. Applied Mathematics and Computation, 2019, 363, 124605.	1.4	57
362	Exploiting Transmission and Caching Diversity in Cache-Enabled User-Centric Network: Analysis and Optimization. IEEE Access, 2019, 7, 65934-65943.	2.6	4
363	Fixed-time adaptive neural tracking control for a class of uncertain nonstrict nonlinear systems. Neurocomputing, 2019, 363, 273-280.	3.5	129
364	Adaptive fuzzy logic system-based fault tolerant control for a class of discrete-time switched nonlinear systems. Advances in Mechanical Engineering, 2019, 11, 168781401984515.	0.8	2

#	ARTICLE	IF	CITATIONS
365	Quintic Polynomial-based Obstacle Avoidance Trajectory Planning and Tracking Control Framework for Tractor-trailer System. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 2634-2646.	1.6	29
367	Adaptive neural dynamic surface control of MIMO uncertain nonlinear systems with time-varying full state constraints and disturbances. <i>Neurocomputing</i> , 2019, 364, 16-31.	3.5	33
368	Experimental validation of a continuous-time MCSI algorithm with bounded adaptive gains. <i>Journal of the Franklin Institute</i> , 2019, 356, 5881-5897.	1.9	4
369	A Neural Network Based Landing Method for an Unmanned Aerial Vehicle with Soft Landing Gears. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2976.	1.3	14
370	Control of Flexible Joint Robot Based on Motor State Feedback and Dynamic Surface Approach. <i>Journal of Control Science and Engineering</i> , 2019, 2019, 1-12.	0.8	5
371	Robust resilient control for parametric strict feedback systems with prescribed output and virtual tracking errors. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 6212-6226.	2.1	8
372	Adaptive path following control of a stratospheric airship with full-state constraint and actuator saturation. <i>Aerospace Science and Technology</i> , 2019, 95, 105457.	2.5	17
373	Adaptive Neural Networks Control for Uncertain Nonlinear State Constrained Systems With Input Delay. , 2019, , .		0
374	Global Neural Learning Finite-time Control of Robot Manipulators with Guaranteed Transient Tracking Performance. , 2019, , .		0
375	Model predictive ship collision avoidance based on Q-learning beetle swarm antenna search and neural networks. <i>Ocean Engineering</i> , 2019, 193, 106609.	1.9	55
376	Encoding Multiple Sensor Data for Robotic Learning Skills From Multimodal Demonstration. <i>IEEE Access</i> , 2019, 7, 145604-145613.	2.6	20
377	A Biomimetic Control Method Increases the Adaptability of a Humanoid Robot Acting in a Dynamic Environment. <i>Frontiers in Neurorobotics</i> , 2019, 13, 70.	1.6	18
378	Distributed adaptive neural consensus control for cooperative nonlinear systems with unknown dynamics and switching topology. , 2019, , .		1
379	Neural Network Modeling to Control Process of Induction Soldering. , 2019, , .		4
380	High-speed trains automatic operation with protection constraints: a resilient nonlinear gain-based feedback control approach. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019, 6, 992-999.	8.5	30
381	An intelligent machine vision system for detecting surface defects on packing boxes based on support vector machine. <i>Measurement and Control</i> , 2019, 52, 1102-1110.	0.9	29
382	Computational Optimal Boundary Control for Water Pressure Suppression Arising in a Fluid Flow System Modeled by Hyperbolic PDEs. <i>IEEE Access</i> , 2019, 7, 127189-127197.	2.6	0
383	Adaptive sliding mode decentralized control for modular and reconfigurable robots with torque sensor. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
384	A Neural Network Based Sliding Mode Control for Free-Flying Space Manipulators. , 2019, , .		0
385	Active control for flexible mechanical systems with mixed deadzone-saturation input nonlinearities and output constraint. Journal of the Franklin Institute, 2019, 356, 4749-4772.	1.9	18
386	BLF-based asymptotic tracking control for a class of time-varying full state constrained nonlinear systems. Transactions of the Institute of Measurement and Control, 2019, 41, 3043-3052.	1.1	18
387	Fuzzy Adaptive Fault-Tolerant Control for Uncertain Nonlinear Systems With Unknown Dead-Zone and Unmodeled Dynamics. IEEE Transactions on Fuzzy Systems, 2019, 27, 2265-2278.	6.5	53
388	Decentralized Trajectory Tracking Control for Modular and Reconfigurable Robots With Torque Sensor: Adaptive Terminal Sliding Control-Based Approach. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	0.9	13
389	An improved adaptive online neural control for robot manipulator systems using integral Barrier Lyapunov functions. International Journal of Systems Science, 2019, 50, 638-651.	3.7	23
390	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
391	Adaptive fuzzy asymptotically tracking control of full state constrained nonlinear system based on a novel Nussbaum-type function. Journal of the Franklin Institute, 2019, 356, 1810-1827.	1.9	36
392	Observer-Based Adaptive Neural Control for Non-Triangular Form Systems With Input Saturation and Full State Constraints. IEEE Access, 2019, 7, 6072-6083.	2.6	6
393	Model predictive control under event-triggered communication scheme for nonlinear networked systems. Journal of the Franklin Institute, 2019, 356, 2625-2644.	1.9	26
394	A Tutorial Survey and Comparison of Impedance Control on Robotic Manipulation. Robotica, 2019, 37, 801-836.	1.3	84
395	Stabilization of Dynamical Networks via Constrained Impulse Inputs. , 2019, , .		0
396	An Adaptive Backstepping Trajectory Tracking Control of a Tractor Trailer Wheeled Mobile Robot. International Journal of Control, Automation and Systems, 2019, 17, 465-473.	1.6	74
397	Adaptive neural-based control for non-strict feedback systems with full-state constraints and unmodeled dynamics. Nonlinear Dynamics, 2019, 97, 715-732.	2.7	17
398	Intelligent Safe Driving Methods Based on Hybrid Automata and Ensemble CART Algorithms for Multihigh-Speed Trains. IEEE Transactions on Cybernetics, 2019, 49, 3816-3826.	6.2	36
399	Analysis and Design for Networked Teleoperation System. , 2019, , .		5
400	Adaptive Fuzzy Control for Nonlinear State Constrained Systems With Input Delay and Unknown Control Coefficients. IEEE Access, 2019, 7, 53718-53730.	2.6	11
401	Experimental methods in chemical engineering: Artificial neural networksâ€“ANNs. Canadian Journal of Chemical Engineering, 2019, 97, 2372-2382.	0.9	38

#	ARTICLE	IF	CITATIONS
402	Robust L2-L <sup>∞</sup> Controller Design of a Class of Uncertain Stochastic Systems with Wiener Process Disturbances. IETE Journal of Research, 2019, , 1-9.	1.8	0
403	Decentralized robust tracking control for 2-degree of freedom planar robot manipulator subject to disturbances and uncertainties. Transactions of the Institute of Measurement and Control, 2019, 41, 3909-3920.	1.1	6
404	Path-tracking of autonomous vehicles using a novel adaptive robust exponential-like-sliding-mode fuzzy type-2 neural network controller. Mechanical Systems and Signal Processing, 2019, 130, 41-55.	4.4	90
405	An adaptive cascade trajectory tracking control for over-actuated autonomous electric vehicles with input saturation. Science China Technological Sciences, 2019, 62, 2153-2160.	2.0	8
406	Short-Term Load Forecasting with Tensor Partial Least Squares-Neural Network. Energies, 2019, 12, 990.	1.6	5
407	Adaptive output-feedback finite-time stabilisation of stochastic nonlinear systems with application to a two-stage chemical reactor. IET Control Theory and Applications, 2019, 13, 534-542.	1.2	10
408	Disturbance Observer Based on Biologically Inspired Integral Sliding Mode Control for Trajectory Tracking of Mobile Robots. IEEE Access, 2019, 7, 48382-48391.	2.6	18
409	An improved adaptive neural dynamic surface control for pure-feedback systems with full state constraints and disturbance. Applied Mathematics and Computation, 2019, 358, 37-50.	1.4	22
410	Manipulators on Space Platforms. , 2019, , 167-205.		0
411	Reduced Adaptive Fuzzy Tracking Control for High-Order Stochastic Nonstrict Feedback Nonlinear System With Full-State Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-11.	5.9	113
412	A matrix decomposition based adaptive control scheme for a class of MIMO non-canonical approximation systems. Automatica, 2019, 103, 490-502.	3.0	16
413	Adaptive tracking control of uncertain Euler-Lagrange systems subject to external disturbances. Automatica, 2019, 104, 207-219.	3.0	36
414	Admittance-Based Adaptive Cooperative Control for Multiple Manipulators With Output Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3621-3632.	7.2	52
415	Decentralized stabilizability and formation control of multi-agent systems with antagonistic interactions. ISA Transactions, 2019, 89, 58-66.	3.1	22
416	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
417	Mobile Robot Path Planning Based on Ant Colony Algorithm With A* Heuristic Method. Frontiers in Neurorobotics, 2019, 13, 15.	1.6	124
418	Sliding mode control based on a hybrid grey-wolf-optimized extreme learning machine for robot manipulators. Optik, 2019, 185, 364-380.	1.4	27
419	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



#	ARTICLE	IF	CITATIONS
420	Adaptive compensate control for uncertain robot system with input constraints. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401983707.	0.8	0
421	New Zeroing Neural Network Models for Solving Nonstationary Sylvester Equation With Verifications on Mobile Manipulators. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 5011-5022.	7.2	45
422	Robust Adaptive Sliding Mode Neural Networks Control for Industrial Robot Manipulators. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 783-792.	1.6	50
423	Energy Management in Zero-Energy Building Using Neural Network Predictive Control. <i>IEEE Internet of Things Journal</i> , 2019, 6, 5336-5344.	5.5	44
424	Two-layer distributed hybrid affine formation control of networked Euler-Lagrange systems. <i>Journal of the Franklin Institute</i> , 2019, 356, 2172-2197.	1.9	22
425	A Novel Robust Adaptive Intelligent and Compound Control of an Adaptive Neural Network, SMC, FLC and PI for Robot Manipulators. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 631, 022041.	0.3	0
426	Neural-sliding mode approach-based adaptive estimation, isolation and tolerance of aircraft sensor fault. <i>Aircraft Engineering and Aerospace Technology</i> , 2020, 92, 237-255.	0.7	11
427	A Novel Distributed and Compound Control of an Adaptive Neural Network and PD for Manipulators. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 517, 012008.	0.3	0
428	Composite Learning Control for UAVs via Prescribed Performance. , 2019, , .		0
429	Intelligent Control: A Taxonomy. , 2019, , .		3
430	Improved Learning Accuracy for Learning Stable Control from Human Demonstrations*. , 2019, , .		0
431	Delayed-impulsive control for difference systems with actuator saturation and its synchronisation application. <i>IET Control Theory and Applications</i> , 2019, 13, 1129-1136.	1.2	14
432	Reconfigurable Pavement Sweeping Robot and Pedestrian Cohabitant Framework by Vision Techniques. <i>IEEE Access</i> , 2019, 7, 159402-159414.	2.6	31
433	An Adaptive Neural Network Control Method for Robotic Manipulators Trajectory Tracking. , 2019, , .		0
434	Adaptive Model Learning of Neural Networks with UUB Stability for Robot Dynamic Estimation. , 2019, , .		6
435	Adaptive Intelligent Control for a Class of Full-State Constrained Nonlinear System. , 2019, , .		0
436	Safety-Aware Reinforcement Learning Framework with an Actor-Critic-Barrier Structure. , 2019, , .		28
437	A Novel Robust Adaptive and Compound Control of an Adaptive Neural Network, SMC and PI for Manipulators. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 637, 012003.	0.3	0

#	ARTICLE	IF	CITATIONS
438	A Simplified Inverse Dynamics Modelling Method for a Novel Rehabilitation Exoskeleton with Parallel Joints and Its Application to Trajectory Tracking. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-10.	0.6	5
439	Observer-based Adaptive Fuzzy Output Feedback Control for Uncertain Nonlinear Systems with Constrained Output. , 2019, , .		0
440	Neural Adaptive Backstepping Control of a Robotic Manipulator With Prescribed Performance Constraint. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 3572-3583.	7.2	120
441	Distributed Control of a Flexible Beam. , 2019, , 113-125.		0
442	Vibration suppression and output constraint of a variable length drilling riser system. <i>Journal of the Franklin Institute</i> , 2019, 356, 1177-1195.	1.9	16
443	Active Vibration Control and Stability Analysis of Flexible Beam Systems. , 2019, , .		14
444	Observer-Based Adaptive Fuzzy Control for Time-Varying State Constrained Strict-Feedback Nonlinear Systems with Dead-Zone. <i>International Journal of Fuzzy Systems</i> , 2019, 21, 733-744.	2.3	15
445	Multi Pseudo Q-Learning-Based Deterministic Policy Gradient for Tracking Control of Autonomous Underwater Vehicles. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 3534-3546.	7.2	68
446	Adaptive Fuzzy Control for Nontriangular Structural Stochastic Switched Nonlinear Systems With Full State Constraints. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 1587-1601.	6.5	285
447	Fuzzy Adaptive Finite-Time Control Design for Nontriangular Stochastic Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 172-184.	6.5	259
448	Adaptive finite-time tracking control of full state constrained nonlinear systems with dead-zone. <i>Automatica</i> , 2019, 100, 99-107.	3.0	437
449	Adaptive Finite-Time NN Control for 3-DOF Active Suspension Systems With Displacement Constraints. <i>IEEE Access</i> , 2019, 7, 13577-13588.	2.6	19
450	Distributed finite-time coordinated tracking control for multiple Euler-Lagrange systems with input nonlinearity. <i>Nonlinear Dynamics</i> , 2019, 95, 2395-2414.	2.7	14
451	Neural Network Controller Design for a Class of Nonlinear Delayed Systems With Time-Varying Full-State Constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 2625-2636.	7.2	161
452	Backstepping Nussbaum gain dynamic surface control for a class of input and state constrained systems with actuator faults. <i>Information Sciences</i> , 2019, 482, 27-46.	4.0	36
453	Adaptive Fuzzy Tracking Control of Flexible-Joint Robots With Full-State Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 2201-2209.	5.9	155
454	Adaptive control for hypersonic vehicle with input saturation and state constraints. <i>Aerospace Science and Technology</i> , 2019, 84, 107-119.	2.5	39
455	Asymmetric error-constrained path-following control of a stratospheric airship with disturbances and actuator saturation. <i>Mechanical Systems and Signal Processing</i> , 2019, 119, 501-522.	4.4	34

#	ARTICLE	IF	CITATIONS
456	Adaptive Neural Network Tracking Control for Robotic Manipulators With Dead Zone. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3611-3620.	7.2	284
457	Implementation of a ball inverted pendulum with omnidirectional moving ability using a robust fuzzy control strategy. ISA Transactions, 2019, 86, 287-298.	3.1	10
458	Observer-based adaptive fuzzy quantized control of uncertain nonlinear systems with unknown control directions. Fuzzy Sets and Systems, 2019, 371, 61-77.	1.6	36
459	Episodic Memory Multimodal Learning for Robot Sensorimotor Map Building and Navigation. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 210-220.	2.6	11
460	Adaptive neural networks-based visual servoing control for manipulator with visibility constraint and dead-zone input. Neurocomputing, 2019, 332, 44-55.	3.5	15
461	Trajectory tracking of constrained robotic systems via a hybrid control strategy. Neurocomputing, 2019, 330, 188-195.	3.5	32
462	Observer-Based Proportional-Integral Controller Design for a Class of Uncertain Switched Systems. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 303-312.	1.5	3
463	A novel modeling approach and its application in polymer quality index prediction. Transactions of the Institute of Measurement and Control, 2019, 41, 2005-2015.	1.1	3
464	Adaptive neural network control of uncertain robotic manipulators with external disturbance and time-varying output constraints. Neurocomputing, 2019, 323, 108-116.	3.5	57
465	Enhanced neural network control of lower limb rehabilitation exoskeleton by add-on repetitive learning. Neurocomputing, 2019, 323, 256-264.	3.5	53
466	Designing Fully Distributed Adaptive Event-Triggered Controllers for Networked Linear Systems With Matched Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3645-3655.	7.2	104
467	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
468	Bipartite Consensus Control of High-Order Multiagent Systems With Unknown Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2189-2199.	5.9	69
469	Adaptive control of nonlinear fractional-order systems using Tâ€‘S fuzzy method. International Journal of Machine Learning and Cybernetics, 2019, 10, 527-540.	2.3	15
470	An Increased Nonlinear Coupling Motion Controller for Underactuated Multi-TORA Systems: Theoretical Design and Hardware Experimentation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1186-1193.	5.9	26
471	Observer-Based Decentralized Adaptive NNs Fault-Tolerant Control of a Class of Large-Scale Uncertain Nonlinear Systems With Actuator Failures. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 528-542.	5.9	42
472	Adaptive Anti-Swing and Positioning Control for 4-DOF Rotary Cranes Subject to Uncertain/Unknown Parameters With Hardware Experiments. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1309-1321.	5.9	88
473	Two-Layer Distributed Formation-Containment Control of Multiple Eulerâ€‘Lagrange Systems by Output Feedback. IEEE Transactions on Cybernetics, 2019, 49, 675-687.	6.2	111

#	ARTICLE	IF	CITATIONS
474	Fuzzy Adaptive Distributed Event-Triggered Consensus Control of Uncertain Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1777-1786.	5.9	142
475	A Novel Neural-Network-Based Adaptive Control Scheme for Output-Constrained Stochastic Switched Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 418-432.	5.9	113
476	Neural Networks-Based Adaptive Control for Nonlinear State Constrained Systems With Input Delay. IEEE Transactions on Cybernetics, 2019, 49, 1249-1258.	6.2	250
477	Reliable Filtering of Nonlinear Markovian Jump Systems: The Continuous-Time Case. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 386-394.	5.9	67
478	Immersion and Invariance-Based Adaptive Controller for Quadrotor Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2288-2297.	5.9	51
479	A Noise-Suppressing Neural Algorithm for Solving the Time-Varying System of Linear Equations: A Control-Based Approach. IEEE Transactions on Industrial Informatics, 2019, 15, 236-246.	7.2	129
480	Exponential Tracking Control of Robotic Manipulators With Uncertain Dynamics and Kinematics. IEEE Transactions on Industrial Informatics, 2019, 15, 689-698.	7.2	123
481	An analysis and design for time-varying structures dynamical networks via state constraint impulsive control. International Journal of Control, 2019, 92, 2820-2828.	1.2	14
482	Two New Discrete-Time Neurodynamic Algorithms Applied to Online Future Matrix Inversion With Nonsingular or Sometimes-Singular Coefficient. IEEE Transactions on Cybernetics, 2019, 49, 2032-2045.	6.2	39
483	Neuro-Adaptive Control With Given Performance Specifications for Strict Feedback Systems Under Full-State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 25-34.	7.2	52
484	Acceleration-Level Pseudo-Dynamic Visual Servoing of Mobile Robots With Backstepping and Dynamic Surface Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2071-2081.	5.9	56
485	Coordination Control of a Dual-Arm Exoskeleton Robot Using Human Impedance Transfer Skills. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 954-963.	5.9	32
486	Stationary Consensus Control of a Class of High-Order Uncertain Nonlinear Agents With Communication Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1285-1290.	5.9	29
487	Linear active disturbance rejection control approach for load frequency control of two-area interconnected power system. Transactions of the Institute of Measurement and Control, 2019, 41, 1562-1570.	1.1	30
488	A Robust Adaptive Model Reference Impedance Control of a Robotic Manipulator With Actuator Saturation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 409-420.	5.9	40
489	Adaptive Fault-Tolerant Compensation Control and Its Application to Nonlinear Suspension Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1766-1776.	5.9	64
490	Prescribed Performance Tracking Control of a Class of Uncertain Pure-Feedback Nonlinear Systems With Input Saturation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1733-1745.	5.9	61
491	Optimal Estimation for Discrete-Time Linear System with Communication Constraints and Measurement Quantization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1932-1942.	5.9	40

#	ARTICLE	IF	CITATIONS
492	A Learning-Based Hierarchical Control Scheme for an Exoskeleton Robot in Human-Robot Cooperative Manipulation. IEEE Transactions on Cybernetics, 2020, 50, 112-125.	6.2	68
493	Adaptive Tracking Control of Wheeled Inverted Pendulums With Periodic Disturbances. IEEE Transactions on Cybernetics, 2020, 50, 1867-1876.	6.2	112
494	Learning from neural control for non-affine systems with full state constraints using command filtering. International Journal of Control, 2020, 93, 2392-2406.	1.2	31
495	Adaptive Fuzzy Control With High-Order Barrier Lyapunov Functions for High-Order Uncertain Nonlinear Systems With Full-State Constraints. IEEE Transactions on Cybernetics, 2020, 50, 3424-3432.	6.2	203
496	Relative Degrees and Implicit Function-Based Control of Discrete-Time Noncanonical Form Neural Network Systems. IEEE Transactions on Cybernetics, 2020, 50, 514-524.	6.2	1
497	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
498	Probability-triggered formation control with adaptive roles. International Journal of Control, 2020, 93, 1989-2000.	1.2	6
499	Observer-Based Adaptive Fuzzy Decentralized Event-Triggered Control of Interconnected Nonlinear System. IEEE Transactions on Cybernetics, 2020, 50, 3104-3112.	6.2	64
500	A robust fuzzy control approach for path-following control of autonomous vehicles. Soft Computing, 2020, 24, 3223-3235.	2.1	41
501	Finite-time fault-tolerant trajectory tracking control of an autonomous surface vehicle. Journal of the Franklin Institute, 2020, 357, 11114-11135.	1.9	55
502	Design and Development of a Novel 2-Degree-of-Freedom Parallel Robot. Robotica, 2020, 38, 1-14.	1.3	4
503	Distributed Dissipative State Estimation for Markov Jump Genetic Regulatory Networks Subject to Round-Robin Scheduling. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 762-771.	7.2	63
504	Brain-Inspired Intelligence and Visual Perception. Research on Intelligent Manufacturing, 2020, , .	0.2	10
505	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
506	Neural Cognitive Computing Mechanisms. Research on Intelligent Manufacturing, 2020, , 69-103.	0.2	0
507	Nonfragile and Nonsynchronous Synthesis of Reachable Set for Bernoulli Switched Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 726-731.	5.9	13
508	Adaptive Partial Reinforcement Learning Neural Network-Based Tracking Control for Wheeled Mobile Robotic Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2512-2523.	5.9	80
509	RBFNN-Based Identification and Compensation Mechanism for Disturbance-Like Parametric Friction with Application to Tractor-Trailer Vehicles. Asian Journal of Control, 2020, 22, 398-410.	1.9	8

#	ARTICLE	IF	CITATIONS
510	Neuroadaptive Robotic Control Under Time-Varying Asymmetric Motion Constraints: A Feasibility-Condition-Free Approach. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 15-24.	6.2	74
511	A new approach to stabilisation of a class of nonlinear systems with an output constraint. <i>International Journal of Control</i> , 2020, 93, 1242-1250.	1.2	27
512	Neural network-based asymptotic tracking control of unknown nonlinear systems with continuous control command. <i>International Journal of Control</i> , 2020, 93, 971-979.	1.2	3
513	Adaptive decentralized output feedback PI tracking control design for uncertain interconnected nonlinear systems with input quantization. <i>Information Sciences</i> , 2020, 512, 186-206.	4.0	36
514	Estimation of human impedance and motion intention for constrained human-robot interaction. <i>Neurocomputing</i> , 2020, 390, 268-279.	3.5	34
515	Distributed tracking control for multiple Euler-Lagrange systems with communication delays and input saturation. <i>ISA Transactions</i> , 2020, 96, 245-254.	3.1	35
516	Fuzzy Approximation-Based Adaptive Control of Nonlinear Uncertain State Constrained Systems With Time-Varying Delays. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 1620-1630.	6.5	62
517	A Symplectic Instantaneous Optimal Control for Robot Trajectory Tracking With Differential-Algebraic Equation Models. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 3819-3829.	5.2	97
518	Bilateral Teleoperation of Multiple Robots Under Scheduling Communication. <i>IEEE Transactions on Control Systems Technology</i> , 2020, 28, 1770-1784.	3.2	23
519	Reference Trajectory Reshaping Optimization and Control of Robotic Exoskeletons for Human-Robot Co-Manipulation. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 3740-3751.	6.2	44
520	Fuzzy Approximation Based Asymptotic Tracking Control for a Class of Uncertain Switched Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 632-644.	6.5	240
521	Full-Order Observer for a Class of Nonlinear Systems With Unmatched Uncertainties: Joint Attractive Ellipsoid and Sliding Mode Concepts. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 5677-5686.	5.2	12
522	Adaptive Neural Network Dynamic Surface Control of the Post-capture Tethered Spacecraft. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 1406-1419.	2.6	27
523	Actuator Failure Compensation-Based Adaptive Control of Active Suspension Systems With Prescribed Performance. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 7044-7053.	5.2	97
524	Extended state observer augmented finite-time trajectory tracking control of uncertain mechanical systems. <i>Mechanical Systems and Signal Processing</i> , 2020, 139, 106374.	4.4	36
525	Command Filter-Based Adaptive NN Control for MIMO Nonlinear Systems With Full-State Constraints and Actuator Hysteresis. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 2905-2915.	6.2	185
526	Controlling the discrete-time conic-type nonlinear system by a time-delayed robust controller. <i>Optimal Control Applications and Methods</i> , 2020, 41, 369-380.	1.3	3
527	Prescribed performance adaptive neural output feedback dynamic surface control for a class of strict-feedback uncertain nonlinear systems with full state constraints and unmodeled dynamics. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 459-483.	2.1	19

#	ARTICLE	IF	CITATIONS
528	Asymptotic tracking control for time-delay nonlinear systems with parametric uncertainties and full state constraints. <i>ISA Transactions</i> , 2020, 98, 101-109.	3.1	27
529	Command filtering-based adaptive fuzzy control for permanent magnet synchronous motors with full-state constraints. <i>Information Sciences</i> , 2020, 518, 1-12.	4.0	34
530	BLF-based adaptive DSC for a class of stochastic nonlinear systems of full state constraints with time delay and hysteresis input. <i>Neurocomputing</i> , 2020, 386, 244-256.	3.5	9
531	Reinforcement Learning-Based Nearly Optimal Control for Constrained-Input Partially Unknown Systems Using Differentiator. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 4713-4725.	7.2	12
532	Finite-Time Adaptive Quantized Control of Stochastic Nonlinear Systems With Input Quantization: A Broad Learning System Based Identification Method. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 8555-8565.	5.2	71
533	Distributed adaptive output consensus tracking for high-order nonlinear time-varying multi-agent systems with output constraints and actuator faults. <i>Journal of the Franklin Institute</i> , 2020, 357, 1090-1117.	1.9	23
534	Online barrier-actor-critic learning for $H^\infty$ control with full-state constraints and input saturation. <i>Journal of the Franklin Institute</i> , 2020, 357, 3316-3344.	1.9	67
535	Filtering adaptive tracking controller for multivariable nonlinear systems subject to constraints using online optimization method. <i>Automatica</i> , 2020, 113, 108689.	3.0	12
536	Adaptive output regulation for a class of nonlinear systems with guaranteed transient performance. <i>Transactions of the Institute of Measurement and Control</i> , 2020, 42, 1180-1190.	1.1	4
537	New results on state estimation and stability analysis based $H^\infty$ control for multi-delay hybrid stochastic neural network. <i>International Journal of Systems Science</i> , 2020, 51, 334-347.	3.7	0
538	Adaptive Gliding-Guided Projectile Attitude Tracking Controller Design Based on RBF Neuro-sliding Mode Technique. <i>International Journal of Aeronautical and Space Sciences</i> , 2020, 21, 504-512.	1.0	3
539	Robot algorithm based on neural network and intelligent predictive control. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 6155-6166.	3.3	9
540	Adaptive Quantized Control of Output Feedback Nonlinear Systems With Input Unmodeled Dynamics Based on Backstepping and Small-Gain Method. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 5686-5697.	5.9	12
541	Adaptive Event-Triggered Control Design for Nonlinear Systems With Full State Constraints. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 3803-3811.	6.5	10
542	Adaptive control for non-affine nonlinear systems with input saturation and output dead zone. <i>Applied Mathematics and Computation</i> , 2020, 386, 125506.	1.4	15
543	Robust Adaptive Neural Network Finite-Time Tracking Control for Robotic Manipulators Without Velocity Measurements. <i>IEEE Access</i> , 2020, 8, 126488-126495.	2.6	4
544	Online Adaptive Critic Learning Control of Unknown Dynamics With Application to Deep Submergence Rescue Vehicle. <i>IEEE Access</i> , 2020, 8, 96565-96580.	2.6	1
545	Nonlinear control method of electro-hydraulic system driving Two-DOF robot arm with output constraint. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 715, 012090.	0.3	1

#	ARTICLE	IF	CITATIONS
546	Synchronous Analysis for Fuzzy Coupled Neural Networks with Column Pinning Controllers. Complexity, 2020, 2020, 1-14.	0.9	1
547	Iterative Learning Control for Robot Manipulators with Non-Repetitive Reference Trajectory, Iteration Varying Trial Lengths, and Asymmetric Output Constraints. , 2020, , .		3
548	Intrinsic Plasticity-Based Neuroadaptive Control With Both Weights and Excitability Tuning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3282-3286.	7.2	4
549	Modeling and control of nonlinear systems using an Adaptive LAMDA approach. Applied Soft Computing Journal, 2020, 95, 106571.	4.1	8
550	Design of a Predictive RBF Compensation Fuzzy PID Controller for 3D Laser Scanning System. Applied Sciences (Switzerland), 2020, 10, 4662.	1.3	8
551	Fuzzy Approximation-Based Finite-Time Control for a Robot With Actuator Saturation Under Time-Varying Constraints of Work Space. IEEE Transactions on Cybernetics, 2021, 51, 4873-4884.	6.2	66
552	Adaptive fuzzy finite-time fault-tolerant control of nonlinear systems with state constraints and input quantization. International Journal of Adaptive Control and Signal Processing, 2020, 34, 1199-1219.	2.3	12
553	A Nonlinear Sliding Mode Controller of Serial Robot Manipulators With Two-Level Gain-Learning Ability. IEEE Access, 2020, 8, 189224-189235.	2.6	7
554	Tripping Avoidance Lower Extremity Exoskeleton Based on Virtual Potential Field for Elderly People. Sensors, 2020, 20, 5844.	2.1	6
555	Omnidirectional Mobile Robot Dynamic Model Identification by NARX Neural Network and Stability Analysis Using the APLF Method. Symmetry, 2020, 12, 1430.	1.1	4
556	Asymptotic tracking control for uncertain strict-feedback nonlinear systems with delayed full-state constraints. International Journal of Robust and Nonlinear Control, 2020, 30, 8174-8191.	2.1	9
557	Adaptive Fuzzy Fast Finite-Time Tracking Control for Nonlinear Systems in Pure-Feedback Form with Unknown Disturbance. Complexity, 2020, 2020, 1-11.	0.9	2
558	Command filtered robust control of nonlinear systems with full-state time-varying constraints and disturbances rejection. Nonlinear Dynamics, 2020, 101, 2325-2342.	2.7	16
559	Research on coupling dynamics and coordinated control of a legged robot. JVC/Journal of Vibration and Control, 2020, , 107754632096087.	1.5	1
560	Classifying Intelligence in Machines: A Taxonomy of Intelligent Control. Robotics, 2020, 9, 64.	2.1	8
561	Attitude-Orbit Cooperative Control for Small-Scale Spacecraft with Chemical Propulsion: Adaptive Sliding Mode Control Based on Neural Network. Journal of Aerospace Engineering, 2020, 33, .	0.8	7
562	Integral barrier Lyapunov function-based adaptive fuzzy output feedback control for nonlinear delayed systems with time-varying full-state constraints. International Journal of Adaptive Control and Signal Processing, 2020, 34, 1677-1696.	2.3	10
563	Fuzzy adaptive asymptotic tracking of uncertain nonlinear systems with full states constraints. International Journal of Systems Science, 2020, 51, 3550-3562.	3.7	2



#	ARTICLE	IF	CITATIONS
564	Deep neural networks as add-on modules for enhancing robot performance in impromptu trajectory tracking. <i>International Journal of Robotics Research</i> , 2020, 39, 1397-1418.	5.8	6
565	Dynamic surface control based on high-gain disturbance observer for electro-hydraulic systems with position/velocity constraints. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 3485-3494.	1.1	6
566	Data-Driven Neural Network-Based Learning For Regression Problems In Robotics. , 2020, , .		0
567	Design and implementation of mobile robot for epidemic nursing. <i>Journal of Physics: Conference Series</i> , 2020, 1650, 022023.	0.3	0
568	Control of automatic seeding robot based on basketball movement capture. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 7475-7485.	0.8	0
569	A Critical Review of Control Techniques for Flexible and Rigid Link Manipulators. <i>Robotica</i> , 2020, 38, 2239-2265.	1.3	39
570	EKF-Neural Network Observer Based Type-2 Fuzzy Control of Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 4788-4800.	4.7	21
571	Dual feedforward neural networks based synchronized sliding mode controller for cooperative manipulator system under variable load and uncertainties. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 3859-3872.	1.1	8
572	Intelligence computing approach for solving second order system of Emdenâ€“Fowler model. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 7391-7406.	0.8	49
573	Filtered adaptive constrained sampled-data output feedback control for uncertain multivariable nonlinear systems. <i>International Journal of Control</i> , 2020, , 1-18.	1.2	1
574	Distributed Velocity and Input Constrained Tracking Control of High-Speed Train Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 7882-7888.	5.9	17
575	Adaptive fuzzy voltage-based backstepping tracking control for uncertain robotic manipulators subject to partial state constraints and input delay. <i>Nonlinear Dynamics</i> , 2020, 100, 2609-2634.	2.7	23
576	Adaptive neural network finite-time tracking control of full state constrained pure feedback stochastic nonlinear systems. <i>Journal of the Franklin Institute</i> , 2020, 357, 6738-6759.	1.9	21
577	Adaptive Fuzzy Finite-Time Tracking Control for Nonstrict Full States Constrained Nonlinear System With Coupled Dead-Zone Input. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 1138-1149.	6.2	20
578	Robotic grinding of complex components: A step towards efficient and intelligent machining â€“ challenges, solutions, and applications. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020, 65, 101908.	6.1	216
579	Neural network based tracking control for an elastic joint robot with input constraint via actor-critic design. <i>Neurocomputing</i> , 2020, 409, 286-295.	3.5	26
580	Bicycle Robot Balance Control Based on a Robust Intelligent Controller. <i>IEEE Access</i> , 2020, 8, 84837-84849.	2.6	13
581	Fuzzy Synchronization Control for Fractional-Order Chaotic Systems With Different Structures. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	4

#	ARTICLE	IF	CITATIONS
582	Robust control algorithm and simulation of networked control systems. <i>Computer Communications</i> , 2020, 157, 394-401.	3.1	1
583	An Implicit Function-Based Adaptive Control Scheme for Noncanonical-Form Discrete-Time Neural-Network Systems. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 5728-5739.	6.2	2
584	Motion control of a space manipulator using fuzzy sliding mode control with reinforcement learning. <i>Acta Astronautica</i> , 2020, 176, 156-172.	1.7	29
585	Leader-follower formation control of surface vehicles: A fixed-time control approach. <i>ISA Transactions</i> , 2022, 124, 356-364.	3.1	32
586	Finite-Time Adaptive Output Feedback Control for MIMO Nonlinear Systems With Actuator Faults and Saturations. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 2256-2270.	6.5	35
587	An adaptive dynamic surface control of output constrained stochastic nonlinear systems with unknown control directions. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 1013-1034.	2.3	5
588	Optimal Control Based on Neuro Estimator for Fractional Order Uncertain Non-linear Continuous-Time Systems. <i>Neural Processing Letters</i> , 2020, 52, 221-240.	2.0	1
589	Nonsingular Finite-Time Event-Triggered Fuzzy Control for Large-Scale Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 2088-2099.	6.5	94
590	High angle of attack flight control based on switched prescribed performance. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 1059-1079.	2.3	3
591	System Transformation-Based Neural Control for Full-State-Constrained Pure-Feedback Systems via Disturbance Observer. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 1479-1489.	6.2	32
592	Distributed Adaptive Neural Consensus Control for Stochastic Nonlinear Multiagent Systems with Whole State Delays and Multiple Constraints. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 2398-2410.	1.6	13
593	Safe reinforcement learning for dynamical games. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 3706-3726.	2.1	64
594	Adaptive tracking control of robot manipulators with input saturation and time-varying output constraints. <i>Asian Journal of Control</i> , 2021, 23, 1476-1489.	1.9	16
595	Finite-time attitude stabilization of an output-constrained rigid spacecraft. <i>International Journal of Advanced Robotic Systems</i> , 2020, 17, 172988142090741.	1.3	0
596	Online Robot Kinematic Calibration Using Hybrid Filter With Multiple Sensors. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 7092-7107.	2.4	32
597	Safety-constrained robust adaptive control for a class of MIMO nonlinear systems. <i>IET Control Theory and Applications</i> , 2020, 14, 939-951.	1.2	2
598	Event-Triggered Output-Feedback Control for Large-Scale Systems With Unknown Hysteresis. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 5236-5247.	6.2	31
599	Adaptive robust servo constraint tracking control for an underactuated quadrotor UAV with mismatched uncertainties. <i>ISA Transactions</i> , 2020, 106, 12-30.	3.1	32

#	ARTICLE	IF	CITATIONS
600	Path Planning of Mobile Robot With Improved Ant Colony Algorithm and MDP to Produce Smooth Trajectory in Grid-Based Environment. <i>Frontiers in Neurorobotics</i> , 2020, 14, 44.	1.6	37
601	Decentralized filtering adaptive constrained tracking control for interconnected nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 4652-4675.	2.1	5
602	Event-triggered adaptive neural control of fractional-order nonlinear systems with full-state constraints. <i>Neurocomputing</i> , 2020, 412, 320-326.	3.5	38
603	Non-Singular Fast Terminal Sliding Mode Control of High-Speed Train Network System Based on Improved Particle Swarm Optimization Algorithm. <i>Symmetry</i> , 2020, 12, 205.	1.1	12
604	Adaptive finite-time tracking control for output-constrained nonlinear systems with non-strict-feedback structure. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 560-574.	2.3	21
605	Bipartite consensus control for fractional-order nonlinear multi-agent systems: An output constraint approach. <i>Neurocomputing</i> , 2020, 397, 212-223.	3.5	71
606	Composite adaptive NN learning and control for discrete-time nonlinear uncertain systems in normal form. <i>Neurocomputing</i> , 2020, 390, 168-184.	3.5	10
607	Integral Barrier Lyapunov function-based adaptive control for switched nonlinear systems. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	330
608	Neuroadaptive Fault-Tolerant Control Under Multiple Objective Constraints With Applications to Tire Production Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 3391-3400.	7.2	8
609	Robust Tracking Control of Robot Manipulators With Actuator Faults and Joint Velocity Measurement Uncertainty. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 1354-1365.	3.7	88
610	Adaptive Tracking Control of State Constraint Systems Based on Differential Neural Networks: A Barrier Lyapunov Function Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 5390-5401.	7.2	44
611	Adaptive neural impedance control with extended state observer for human-robot interactions by output feedback through tracking differentiator. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2020, 234, 820-833.	0.7	6
612	Tackling mismatched uncertainty in robust constraint-following control of underactuated systems. <i>Information Sciences</i> , 2020, 520, 337-352.	4.0	35
613	Novel design of Morlet wavelet neural network for solving second order Lane-Emden equation. <i>Mathematics and Computers in Simulation</i> , 2020, 172, 1-14.	2.4	126
614	Adaptive Fuzzy Tracking Control for a Class of Uncertain Switched Nonlinear Systems With Full-State Constraints and Input Saturations. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 6054-6065.	6.2	29
615	Finite-Time Tracking Control for a Class of Uncertain Strict-Feedback Nonlinear Systems With State Constraints: A Smooth Control Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 4920-4932.	7.2	72
616	Adaptive Neural Network Stabilization Control of Underactuated Unmanned Surface Vessels With State Constraints. <i>IEEE Access</i> , 2020, 8, 20931-20941.	2.6	5
617	Impedance Sliding Mode Control With Adaptive Fuzzy Compensation for Robot-Environment Interacting. <i>IEEE Access</i> , 2020, 8, 19880-19889.	2.6	13

#	ARTICLE	IF	CITATIONS
618	Practical tracking control with prescribed transient performance for Euler-Lagrange equation. Journal of the Franklin Institute, 2020, 357, 5809-5830.	1.9	13
619	Solverâ€“Critic: A Reinforcement Learning Method for Discrete-Time-Constrained-Input Systems. IEEE Transactions on Cybernetics, 2021, 51, 5619-5630.	6.2	4
620	Adaptive event-triggered control for a class of nonlinear systems with periodic disturbances. Science China Information Sciences, 2020, 63, 1.	2.7	207
621	Composite adaptive finite-time control for quadrotors via prescribed performance. Journal of the Franklin Institute, 2020, 357, 5878-5901.	1.9	24
622	Output tracking control of strictâ€“feedback nonâ€“linear systems under asymmetrically bilateral and timeâ€“varying fullâ€“state constraints. IET Control Theory and Applications, 2020, 14, 156-164.	1.2	2
623	Bioinspired neurodynamics based formation control for unmanned surface vehicles with line-of-sight range and angle constraints. Neurocomputing, 2021, 425, 127-134.	3.5	23
624	Robust Model Predictive Tracking Control for Robot Manipulators With Disturbances. IEEE Transactions on Industrial Electronics, 2021, 68, 4288-4297.	5.2	53
625	Event-Triggered Adaptive Fuzzy Tracking Control for Pure-Feedback Stochastic Nonlinear Systems With Multiple Constraints. IEEE Transactions on Fuzzy Systems, 2021, 29, 1496-1506.	6.5	65
626	Adaptive fuzzy fault-tolerant control using Nussbaum-type function with state-dependent actuator failures. Neural Computing and Applications, 2021, 33, 191-208.	3.2	13
627	GRU-Type LARC Strategy for Precision Motion Control With Accurate Tracking Error Prediction. IEEE Transactions on Industrial Electronics, 2021, 68, 812-820.	5.2	50
628	Novel Adaptive Fuzzy Control for Output Constrained Stochastic Nonstrict Feedback Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2021, 29, 1188-1197.	6.5	69
629	Singularity-Free Fixed-Time Fuzzy Control for Robotic Systems With User-Defined Performance. IEEE Transactions on Fuzzy Systems, 2021, 29, 2388-2398.	6.5	194
630	Multi-model estimation using neural network and fault detection in unknown time continuous fractional order nonlinear systems. Transactions of the Institute of Measurement and Control, 2021, 43, 497-509.	1.1	4
631	Neural adaptive control of single-rod electrohydraulic system with lumped uncertainty. Mechanical Systems and Signal Processing, 2021, 146, 106869.	4.4	68
632	Design of stochastic numerical solver for the solution of singular three-point second-order boundary value problems. Neural Computing and Applications, 2021, 33, 2427-2443.	3.2	45
633	Adaptive Neural Tracking Control Scheme of Switched Stochastic Nonlinear Pure-Feedback Nonlower Triangular Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 975-986.	5.9	58
634	Robust Adaptive Control for State-Constrained Nonlinear Systems With Input Saturation and Unknown Control Direction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1192-1202.	5.9	63
635	Auxiliary Constrained Control of a Class of Fault-Tolerant Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2272-2283.	5.9	28

#	ARTICLE	IF	CITATIONS
636	Performance guaranteed fault-tolerant control of robotic manipulators under actuator faults and motion constraints. <i>International Journal of Control</i> , 2021, 94, 881-892.	1.2	5
637	Stabilisation of high-order nonlinear systems with full-state constraints and input saturation. <i>International Journal of Control</i> , 2021, 94, 999-1009.	1.2	14
638	Adaptive NN Cross Backstepping Control for Nonlinear Systems With Partial Time-Varying State Constraints and Its Applications to Hyper-Chaotic Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 2821-2832.	5.9	12
639	Adaptive Fuzzy Output Feedback Fault-Tolerant Compensation for Uncertain Nonlinear Systems With Infinite Number of Time-Varying Actuator Failures and Full-State Constraints. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 568-578.	6.2	44
640	Distributed finite-time output consensus tracking for a class of high-order nonlinear multiagent systems with the powers of positive odd rational numbers and output constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 358-379.	2.1	4
641	Perturbed Manipulability Optimization in a Distributed Network of Redundant Robots. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 7209-7220.	5.2	35
642	Sliding mode learning algorithm based adaptive neural observer strategy for fault estimation, detection and neural controller of an aircraft. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 2547-2571.	3.3	20
643	Integrated intelligent computing paradigm for nonlinear multi-singular third-order Emden-Fowler equation. <i>Neural Computing and Applications</i> , 2021, 33, 3417-3436.	3.2	53
644	Control framework for cooperative robots in smart home using bio-inspired neural network. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 167, 108253.	2.5	91
645	Adaptive Fuzzy Asymptotic Tracking for Nonlinear Systems With Nonstrict-Feedback Structure. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 853-861.	6.2	48
646	Neural network-based model predictive tracking control of an uncertain robotic manipulator with input constraints. <i>ISA Transactions</i> , 2021, 109, 89-101.	3.1	26
647	Event-triggered adaptive finite-time tracking control for full state constraints nonlinear systems with parameter uncertainties and given transient performance. <i>ISA Transactions</i> , 2021, 108, 131-143.	3.1	58
648	A learning-based harmonic mapping: Framework, assessment, and case study of human-to-robot hand pose mapping. <i>International Journal of Robotics Research</i> , 2021, 40, 534-557.	5.8	0
649	State transformation-based adaptive tracking control for a class of nonlinear systems with time-varying state constraints. <i>ISA Transactions</i> , 2021, 110, 129-137.	3.1	15
650	An active disturbance rejection control for hysteresis compensation based on Neural Networks adaptive control. <i>ISA Transactions</i> , 2021, 109, 81-88.	3.1	26
651	Safety-guaranteed adaptive neural motion control for a hovercraft with multiple constraints. <i>Ocean Engineering</i> , 2021, 220, 108401.	1.9	6
652	Adaptive neural network control of nonlinear systems with unknown dynamics. <i>Advances in Space Research</i> , 2021, 67, 1114-1123.	1.2	32
653	Adaptive fault-tolerant control for a class of fractional order non-strict feedback nonlinear systems. <i>International Journal of Systems Science</i> , 2021, 52, 1014-1025.	3.7	13

#	ARTICLE	IF	CITATIONS
654	Electrical Resistance Tomography Image Reconstruction With Densely Connected Convolutional Neural Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-11.	2.4	36
655	Robust Stabilization of High-Order Nonlinear Systems With Unknown Sensitivities and Applications in Humanoid Robot Manipulation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 4409-4416.	5.9	19
656	Adaptive Neural Control Using Tangent Time-Varying BLFs for a Class of Uncertain Stochastic Nonlinear Systems With Full State Constraints. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 1943-1953.	6.2	65
657	Adaptive sliding mode control of multi-agent relay tracking systems with disturbances. <i>Journal of Control and Decision</i> , 2021, 8, 165-174.	0.7	8
658	Consensus of Multiagent Systems With Relative State Saturations. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 2391-2402.	5.9	12
659	Adaptive Neural-Network Control of MIMO Nonaffine Nonlinear Systems With Asymmetric Time-Varying State Constraints. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2042-2054.	6.2	26
660	Adaptive PI Control for Consensus of Multiagent Systems With Relative State Saturation Constraints. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2296-2302.	6.2	19
661	Adaptive Intelligent Control for Input and Output Constrained High-Order Uncertain Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 5577-5586.	5.9	19
662	Adaptive neural control of vehicle yaw stability with active front steering using an improved random projection neural network. <i>Vehicle System Dynamics</i> , 2021, 59, 396-414.	2.2	30
663	Adaptive Line-of-Sight Tracking Control for a Tractor-Trailer Vehicle System With Multiple Constraints. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 11349-11360.	4.7	5
664	Asymptotic Tracking Control for Uncertain MIMO Systems: A Biologically Inspired ESN Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 1881-1890.	7.2	2
665	Command Filter-Based Adaptive Neural Control Design for Nonstrict-Feedback Nonlinear Systems With Multiple Actuator Constraints. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 12561-12570.	6.2	68
666	Finite-Time Adaptive Heading Tracking Control for Surface Vehicles With Full State Constraints. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 1134-1138.	2.2	4
667	Anti-Saturation-Based Adaptive Sliding-Mode Control for Active Suspension Systems With Time-Varying Vertical Displacement and Speed Constraints. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 6244-6254.	6.2	19
668	Solving a class of biological HIV infection model of latently infected cells using heuristic approach. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2021, 14, 3611.	0.6	35
669	Recurrent Neural Dynamics Models for Perturbed Nonstationary Quadratic Programs: A Control-Theoretical Perspective. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 1216-1227.	7.2	21
670	Adaptive Neural Network-Based Finite-Time Impedance Control of Constrained Robotic Manipulators With Disturbance Observer. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 1412-1416.	2.2	16
671	Adaptive NN control based on Butterworth low-pass filter for quarter active suspension systems with actuator failure. <i>AIMS Mathematics</i> , 2021, 6, 754-771.	0.7	2

#	ARTICLE	IF	CITATIONS
672	A Precise Neural-Disturbance Learning Controller of Constrained Robotic Manipulators. IEEE Access, 2021, 9, 50381-50390.	2.6	15
673	Adaptive control based on Barrier Lyapunov function for a class of full-state constrained stochastic nonlinear systems with dead-zone and unmodeled dynamics. Transactions of the Institute of Measurement and Control, 2021, 43, 1936-1948.	1.1	4
674	Neural-Adaptive Constrained Flight Control for Airâ€™s Ground Recovery Under Terrain Obstacles. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 374-390.	2.6	11
675	Virtual-Goal-Guided RRT for Visual Servoing of Mobile Robots With FOV Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2073-2083.	5.9	18
676	Adaptive Finite-Time Tracking Control of Nonholonomic Multirobot Formation Systems With Limited Field-of-View Sensors. IEEE Transactions on Cybernetics, 2022, 52, 10695-10708.	6.2	32
677	Event-Triggered Adaptive Neural Control for Fractional-Order Nonlinear Systems Based on Finite-Time Scheme. IEEE Transactions on Cybernetics, 2022, 52, 9481-9489.	6.2	37
678	Finite-Time-Prescribed Performance-Based Adaptive Fuzzy Control for Strict-Feedback Nonlinear Systems With Dynamic Uncertainty and Actuator Faults. IEEE Transactions on Cybernetics, 2022, 52, 6959-6971.	6.2	121
679	Adaptive-Constrained Impedance Control for Humanâ€™s Robot Co-Transportation. IEEE Transactions on Cybernetics, 2022, 52, 13237-13249.	6.2	74
680	Adaptive Neural Network Control for Full-State Constrained Robotic Manipulator With Actuator Saturation and Time-Varying Delays. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3331-3342.	7.2	35
681	Composite prescribed performance control of small unmanned aerial vehicles using modified nonlinear disturbance observer. ISA Transactions, 2021, 116, 30-45.	3.1	28
682	Fault-Tolerant Adaptive Learning Control for Quadrotor UAVs With the Time-Varying CoG and Full-State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5610-5622.	7.2	11
683	Design of RBF Adaptive Sliding Mode Controller for A Supercavitating Vehicle. IEEE Access, 2021, 9, 39873-39883.	2.6	7
684	Prescribed Finite-Time Adaptive Neural Tracking Control for Nonlinear State-Constrained Systems: Barrier Function Approach. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7513-7522.	7.2	14
685	Adaptive Fuzzy Neural Network Command Filtered Impedance Control of Constrained Robotic Manipulators With Disturbance Observer. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5171-5180.	7.2	20
687	Command-filter-based adaptive neural tracking control for strict-feedback stochastic nonlinear systems with input dead-zone. International Journal of Systems Science, 2021, 52, 2283-2297.	3.7	8
688	A New Approach Based on Fuzzy-Adaptive Structure & Parameter Learning Applied in Meta-Cognitive Algorithm for ANFIS. , 2021, , .		1
689	Artificial neural networks in slope of road embankment stability applications: a review and future perspectives. International Journal of Advanced Technology and Engineering Exploration, 2021, 8, 304-319.	0.6	5
690	Output Constrained Adaptive Controller Design for Nonlinear Saturation Systems. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 441-454.	8.5	21

#	ARTICLE	IF	CITATIONS
691	Reliable mode-dependent memorized projective lag synchronization for semi-Markovian jumping coupled networks. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 1367-1374.	0.7	1
692	Command Filtering and Barrier Lyapunov Function-Based Adaptive Control for PMSMs with Core Losses and All-State Restrictions. Complexity, 2021, 2021, 1-12.	0.9	1
693	Multiconstrained Real-Time Entry Guidance Using Deep Neural Networks. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 325-340.	2.6	51
694	Neural-Network-Based Collaborative Control for Continuous Unknown Nonlinear Systems. Discrete Dynamics in Nature and Society, 2021, 2021, 1-10.	0.5	0
695	Output feedback robust disturbance rejection tracking control design for a bipedal robotic system with articulation constraints. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 992-1007.	0.7	0
696	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
697	Novel fuzzy event-triggered adaptive control for nonlinear systems with input hysteresis. Soft Computing, 2021, 25, 6619-6631.	2.1	5
698	Tracking control of a robotic system with deferred constraints and actuator faults. IET Control Theory and Applications, 2021, 15, 1257-1269.	1.2	4
699	Adaptive fuzzy control for nonlinear uncertain pure-feedback systems with full-state and input constraints. International Journal of Robust and Nonlinear Control, 2021, 31, 4917-4932.	2.1	3
700	Adaptive decentralized finite-time tracking control for uncertain interconnected nonlinear systems with input quantization. International Journal of Robust and Nonlinear Control, 2021, 31, 4491-4510.	2.1	11
701	Adaptive robust dynamic surface asymptotic tracking for uncertain strict-feedback nonlinear systems with unknown control direction. ISA Transactions, 2022, 121, 95-104.	3.1	13
702	A novel design of fractional Meyer wavelet neural networks with application to the nonlinear singular fractional Lane-Emden systems. AEJ - Alexandria Engineering Journal, 2021, 60, 2641-2659.	3.4	92
703	Reduced-order improved generalized proportional integral observer based tracking control for full-state constrained systems with multi-uncertainties. ISA Transactions, 2022, 121, 119-129.	3.1	1
704	Command filter-based adaptive prescribed performance tracking control for uncertain pure-feedback nonlinear systems with full-state time-varying constraints. International Journal of Robust and Nonlinear Control, 2021, 31, 5312-5329.	2.1	22
705	Solving a novel designed second order nonlinear Lane-Emden delay differential model using the heuristic techniques. Applied Soft Computing Journal, 2021, 102, 107105.	4.1	62
706	Non-singular terminal sliding-mode control for a manipulator robot using a barrier Lyapunov function. ISA Transactions, 2022, 121, 268-283.	3.1	43
707	Safe Adaptive Trajectory Tracking Control of Robot for Human-Robot Interaction Using Barrier Function Transformation. , 0, , .		2
708	Fault tracking sliding-mode controller design for fuzzy fractional-order system subject to actuator saturation. International Journal of Dynamics and Control, 2022, 10, 270-282.	1.5	3



#	ARTICLE	IF	CITATIONS
710	Real-Time Path Planning and Following of a Gliding Robotic Dolphin Within a Hierarchical Framework. IEEE Transactions on Vehicular Technology, 2021, 70, 3243-3255.	3.9	17
711	Model-free finite-time terminal sliding mode control with a novel adaptive sliding mode observer of uncertain robot systems. Asian Journal of Control, 2022, 24, 1437-1451.	1.9	29
712	Research on Prediction of Investment Funds' Performance before and after Investment Based on Improved Neural Network Algorithm. Wireless Communications and Mobile Computing, 2021, 2021, 1-9.	0.8	3
713	A Neural-network-based Nonlinear Controller for Robot Manipulators with Gain-learning Ability and Output Constraints. , 2021, , .		5
714	Command filter based event-triggered adaptive control for strict-feedback nonlinear systems with full state constraints. , 2021, , .		0
715	Optimized skill knowledge transfer model using hybrid Chicken Swarm plus Deer Hunting Optimization for human to robot interaction. Knowledge-Based Systems, 2021, 220, 106945.	4.0	6
716	Constrained Line-of-Sight Tracking Control of A Tractor-Trailer Mobile Robot System with Multiple Constraints. , 2021, , .		2
717	Finite-time convergence for bilateral teleoperation systems with disturbance and time-varying delays. IET Control Theory and Applications, 2021, 15, 1736-1748.	1.2	16
718	Reinforcement learning for robot research: A comprehensive review and open issues. International Journal of Advanced Robotic Systems, 2021, 18, 172988142110073.	1.3	46
719	Adaptive neural network-based path tracking control for autonomous combine harvester with input saturation. Industrial Robot, 2021, 48, 510-522.	1.2	3
720	Adaptive Tracking Control of Flexible Joint Manipulator with Output Constraints. , 2021, , .		1
721	An Adaptive Backstepping-Based Controller for Trajectory Tracking of Wheeled Robots. , 2021, , .		4
722	Nonsingular fast terminal second-order sliding mode for robotic manipulators based on feedback linearization. International Journal of Dynamics and Control, 2022, 10, 296-305.	1.5	3
723	Adaptive neural network command filtered backstepping impedance control for uncertain robotic manipulators with disturbance observer. Transactions of the Institute of Measurement and Control, 0, , 014233122110093.	1.1	4
724	Barrier-Lyapunov -Function-Based Backstepping Adaptive Hybrid Force/Position Control for Manipulator with Force and Position Constraints. , 2021, , .		2
725	Adaptive fuzzy constraint control for switched nonlinear systems in nonstrict feedback form. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1594-1611.	2.3	6
726	Stability Analysis Strategy for the Adaptive Neural Control System: A Practical Validation Via a Transesterification Reactor. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2021, 45, 1395-1409.	1.5	3
727	Neural-Network-Based Adaptive Funnel Control for Strict-Feedback Systems with Tracking Error and State Constraints. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
728	Adaptive Reinforcement Learning-Enhanced Motion/Force Control Strategy for Multirobot Systems. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-18.	0.6	4
729	Dual-Motor Synchronization Control Design Based on Adaptive Neural Networks Considering Full-State Constraints and Partial Asymmetric Dead-Zone. <i>Sensors</i> , 2021, 21, 4261.	2.1	2
730	Towards Hybrid Gait Obstacle Avoidance for a Six Wheel-Legged Robot with Payload Transportation. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2021, 102, 1.	2.0	55
731	Event-triggered fixed-time adaptive fuzzy control for state-constrained stochastic nonlinear systems without feasibility conditions. <i>Nonlinear Dynamics</i> , 2021, 105, 403-416.	2.7	25
732	Fixed-time cooperative control for robotic manipulators with motion constraints using unified transformation function. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 6826-6844.	2.1	8
733	Multilayer neural network based asymptotic motion control of saturated uncertain robotic manipulators. <i>Applied Intelligence</i> , 2022, 52, 2586-2598.	3.3	5
734	Full-state constrained neural control and learning for the nonholonomic wheeled mobile robot with unknown dynamics. <i>ISA Transactions</i> , 2022, 125, 22-30.	3.1	6
735	Tracking Control for a Robotic Manipulator under Constraint Violation during Operation and Unknown Initial Conditions. , 2021, , .		0
736	Adaptive robust synchronized control for cooperative robotic manipulators with uncertain base coordinate system. <i>ISA Transactions</i> , 2022, 126, 134-143.	3.1	16
737	TSM-Based Adaptive Fuzzy Control of Robotic Manipulators with Output Constraints. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-11.	1.1	2
738	Exponentially asymptotic adaptive tracking control of nonstrict feedback nonlinear systems. <i>International Journal of Systems Science</i> , 2022, 53, 337-350.	3.7	2
739	Analysis of a neural-network-based adaptive controller for deep-space formation flying. <i>Advances in Space Research</i> , 2021, 68, 54-70.	1.2	8
740	Stability Analysis of HJB-Based Optimal Control for Hybrid Motion/Force Control of Robot Manipulators Using RBF Neural Network. <i>Advances in Intelligent Systems and Computing</i> , 2022, , 535-546.	0.5	2
741	Robust zeroing neural network for fixed-time kinematic control of wheeled mobile robot in noise-polluted environment. <i>Mathematics and Computers in Simulation</i> , 2021, 185, 289-307.	2.4	24
742	Path tracking control of an autonomous vehicle with model-free adaptive dynamic programming and RBF neural network disturbance compensation. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2022, 236, 825-841.	1.1	6
743	Adaptive event-triggered control of multi-agent systems with state constraints and unknown disturbances. <i>IET Control Theory and Applications</i> , 2021, 15, 2171-2182.	1.2	7
744	Fixed-time composite neural learning control of state-constrained nonlinear uncertain systems. <i>Journal of the Franklin Institute</i> , 2021, 358, 8138-8168.	1.9	6
745	Event-triggered based adaptive neural network control of a robotic manipulator with output constraints and disturbance. <i>International Journal of Systems Science</i> , 2021, 52, 2415-2426.	3.7	8

#	ARTICLE	IF	CITATIONS
746	Optimization Control of Cooperative Trajectory towards Dual Arms Based on Time-Varying Constrained Output State. Complexity, 2021, 2021, 1-18.	0.9	2
747	Cooperative learning control of uncertain nonholonomic wheeled mobile robots with state constraints. Neural Computing and Applications, 2021, 33, 17551-17568.	3.2	5
748	Decentralized event-triggered cooperative path-following control for multiple autonomous surface vessels under actuator failures. Applied Ocean Research, 2021, 113, 102751.	1.8	15
749	RBFNN-Based Nonuniform Trajectory Tracking Adaptive Iterative Learning Control for Uncertain Nonlinear System with Continuous Nonlinearly Input. Mathematical Problems in Engineering, 2021, 2021, 1-10.	0.6	0
750	Adaptive neural network control for nonstrict-feedback uncertain nonlinear systems with input delay and asymmetric time-varying state constraints. Journal of the Franklin Institute, 2021, 358, 7073-7095.	1.9	11
751	BLS-based adaptive fault tolerant control for a class of space unmanned systems with time-varying state constraints and input nonlinearities. European Journal of Control, 2021, 61, 1-12.	1.6	5
752	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
753	Fixed-time adaptive neural tracking control of output constrained nonlinear pure-feedback system with input saturation. Neurocomputing, 2021, 451, 125-137.	3.5	16
754	Adaptive asymptotic fault-tolerant tracking of uncertain nonlinear systems with unknown control directions. Journal of Control and Decision, 2022, 9, 301-310.	0.7	9
755	Predefined performance adaptive control of robotic manipulators with dynamic uncertainties and input saturation constraints. Journal of the Franklin Institute, 2021, 358, 7142-7169.	1.9	13
756	Adaptive event-triggered control for MIMO nonlinear systems with asymmetric state constraints based on unified barrier functions. International Journal of Robust and Nonlinear Control, 2021, 31, 9397-9415.	2.1	5
757	Neural dynamics for adaptive attitude tracking control of a flapping wing micro aerial vehicle. Neurocomputing, 2021, 456, 364-372.	3.5	7
758	Collaboration of multiple SCARA robots with guaranteed safety using recurrent neural networks. Neurocomputing, 2021, 456, 1-10.	3.5	10
759	Fault identification and fault-tolerant control for unmanned autonomous helicopter with global neural finite-time convergence. Neurocomputing, 2021, 459, 165-175.	3.5	5
760	Adaptive neural tracking control of high-order nonlinear systems with quantized input. Neurocomputing, 2021, 456, 156-167.	3.5	19
761	Adaptive neural tracking control of strict-feedback nonlinear systems with event-triggered state measurement. ISA Transactions, 2021, 117, 28-39.	3.1	17
762	Control the position of a fluid sip by neural network controller. Biomedical Signal Processing and Control, 2022, 71, 103135.	3.5	2
763	Adaptive Fuzzy Finite-Time Command Filtered Impedance Control for Robotic Manipulators. IEEE Access, 2021, 9, 50917-50925.	2.6	12

#	ARTICLE	IF	CITATIONS
764	Machine-Made Synthesis of Stabilization System by Modified Cartesian Genetic Programming. IEEE Transactions on Cybernetics, 2022, 52, 6627-6637.	6.2	11
765	Improved Model Predictive Control Path Tracking Strategy Based an Online Updating Algorithm With Cosine Similarity and a Horizon Factor. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12429-12438.	4.7	6
766	Continuous Terminal Sliding-Mode Control for FJR Subject to Matched/Mismatched Disturbances. IEEE Transactions on Cybernetics, 2022, 52, 10479-10489.	6.2	10
767	A Robust Fuzzy PD Inverse Dynamics Decoupling Control of Spherical Motion Mechanism With Fuzzy Linear Extended State Observer. IEEE Access, 2021, 9, 40140-40154.	2.6	1
768	Concurrent Learning-Based Adaptive Control of an Uncertain Robot Manipulator With Guaranteed Safety and Performance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3299-3313.	5.9	16
769	Adaptive Robust Constraint Following Control for Omnidirectional Mobile Robot: An Indirect Approach. IEEE Access, 2021, 9, 8877-8887.	2.6	11
770	Time-/Event-Triggered Adaptive Neural Asymptotic Tracking Control for Nonlinear Systems With Full-State Constraints and Application to a Single-Link Robot. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6690-6700.	7.2	23
771	A Constrained DMPs Framework for Robot Skills Learning and Generalization From Human Demonstrations. IEEE/ASME Transactions on Mechatronics, 2021, 26, 3265-3275.	3.7	29
772	Gradient Descent-Based Adaptive Learning Control for Autonomous Underwater Vehicles With Unknown Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5266-5273.	7.2	35
773	Hybrid Convolution Architecture for Energy-Efficient Deep Neural Network Processing. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 2017-2029.	3.5	4
774	Sliding Variable-based Online Adaptive Reinforcement Learning of Uncertain/Disturbed Nonlinear Mechanical Systems. Journal of Control, Automation and Electrical Systems, 2021, 32, 281-290.	1.2	15
775	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
776	A Finite-Time Fault-Tolerant Control Using Non-Singular Fast Terminal Sliding Mode Control and Third-Order Sliding Mode Observer for Robotic Manipulators. IEEE Access, 2021, 9, 31225-31235.	2.6	33
777	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
781	Finite-time stabilisation for a class of time-delayed Markovian jumping systems with conic nonlinearities. IET Control Theory and Applications, 2019, 13, 1279-1283.	1.2	15
782	Adaptive output feedback boundary control for a class of axially moving system. IET Control Theory and Applications, 2019, 13, 213-221.	1.2	7
783	Full state constraints control of switched complex networks based on time-varying barrier Lyapunov functions. IET Control Theory and Applications, 2020, 14, 2419-2428.	1.2	9
784	Safe Tracking Control of an Uncertain Euler-Lagrange System with Full-State Constraints using Barrier Functions. , 2020, 2020, 3310-3315.		7

#	ARTICLE	IF	CITATIONS
785	Nonlinear Antiswing Control for Crane Systems With Double-Pendulum Swing Effects and Uncertain Parameters: Design and Experiments. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1413-1422.	3.4	145
786	Adaptive Fuzzy Event-Triggered Control for High-Order Nonlinear Systems With Prescribed Performance. IEEE Transactions on Cybernetics, 2022, 52, 2885-2895.	6.2	47
787	A Bound Estimation Approach for Adaptive Fuzzy Asymptotic Tracking of Uncertain Stochastic Nonlinear Systems. IEEE Transactions on Cybernetics, 2022, 52, 5333-5342.	6.2	14
788	Composite-Learning-Based Adaptive Neural Control for Dual-Arm Robots With Relative Motion. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1010-1021.	7.2	42
789	Path Planning of Robot in Coal Mine Using Genetic Membrane Algorithms. , 2019, , .		2
790	Time-delayed impulsive control for discrete-time nonlinear systems with actuator saturation. Nonlinear Analysis: Modelling and Control, 2019, 24, .	1.1	4
791	Velocity Free Platoon Formation Control for Unmanned Surface Vehicles with Output Constraints and Model Uncertainties. Applied Sciences (Switzerland), 2020, 10, 1118.	1.3	8
792	Multirobot System Formation Control With Multiple Performance and Feasibility Constraints. IEEE Transactions on Control Systems Technology, 2022, 30, 1766-1773.	3.2	9
793	Multi-Objective Constrained Optimizations Based Fuzzy Fault Tolerance Algorithm of Quarter Vehicle Suspensions. IEEE Access, 2022, 10, 4349-4358.	2.6	0
794	Transverse Function Control for Underactuated MSV With Stochastic Disturbances Under Output Error Constraints. , 2021, , .		0
795	Adaptive Back-stepping Based Control for Active Suspension Systems with Prescribed Performance. , 2021, , .		1
796	Adaptive Fault-tolerant Control of Robotic Manipulators with Given Transient and Steady-state Performance and Dynamic Uncertainties. , 2021, , .		0
797	2-DOF robot modelling by SimMechanics and PD-FL integrated controller for position control and trajectory tracking. F1000Research, 0, 10, 1045.	0.8	0
798	Full-State-Constrained Adaptive Control for a Class of UAVs Suffering from Coupled Uncertainties Using the HOBLF. Mathematical Problems in Engineering, 2021, 2021, 1-17.	0.6	0
799	Robust Tracking Control of the Euler-Lagrange System Based on Barrier Lyapunov Function and Self-Structuring Neural Networks. Computational Intelligence and Neuroscience, 2021, 2021, 1-13.	1.1	1
800	Nonlinear Model Predictive Control of Single-Link Flexible-Joint Robot Using Recurrent Neural Network and Differential Evolution Optimization. Electronics (Switzerland), 2021, 10, 2426.	1.8	8
801	Neural Network Approximation Based Multi-dimensional Active Control of Regenerative Chatter in Micro-milling. Lecture Notes in Computer Science, 2016, , 250-259.	1.0	1
802	Dynamics Analysis of Underactuated Cherrypicker Systems with Friction. Lecture Notes in Computer Science, 2017, , 345-354.	1.0	0

#	ARTICLE	IF	CITATIONS
803	An Adaptive Position Synchronization Controller Using Orthogonal Neural Network for 3-DOF Planar Parallel Manipulators. Lecture Notes in Computer Science, 2017, , 3-14.	1.0	0
804	Neural Adaptive Dynamic Surface Control of Nonlinear Systems with Partially Constrained Tracking Errors and Input Saturation. Lecture Notes in Computer Science, 2017, , 20-27.	1.0	0
805	Adaptive Neural Control for Robotic Manipulators Under Constrained Task Space. Lecture Notes in Computer Science, 2018, , 599-608.	1.0	0
806	Nature-Inspired-Based Adaptive Neural Network Approximation for Uncertain System. Advances in Business Information Systems and Analytics Book Series, 2018, , 439-461.	0.3	0
807	Adaptive Neural Network Control for Uncertain Robotic Manipulators with Output Constraint Using Integral-Barrier Lyapunov Functions. Lecture Notes in Electrical Engineering, 2019, , 71-84.	0.3	1
808	DYNAMIC MODEL AND CONTROL OF 2-DOF ROBOTIC ARM. European Journal of Technic, 2018, 8, 141-150.	0.2	8
809	Constrained Control Design for Bilateral Teleoperation System. , 2019, , 141-164.		0
810	The Synthesis of the Switching Systems Optimal Parameters Search Algorithms. Communications in Computer and Information Science, 2019, , 306-320.	0.4	5
812	Vision Sharing Method of Network Robot Based on Deep Learning. Advances in Intelligent Systems and Computing, 2020, , 197-203.	0.5	0
813	Finite-time control of autonomous surface vehicles. , 2020, , 237-270.		0
814	Tracking Control for Supercavitating Vehicles with unknown Parameters. , 2020, , .		0
815	Adaptive asymptotic tracking control of constrained multi-input multi-output nonlinear systems via event-triggered strategy. International Journal of Robust and Nonlinear Control, 2021, 31, 1479-1496.	2.1	8
816	ESO-based adaptive full state constraint control of uncertain systems and its application to hydraulic servo systems. Mechanical Systems and Signal Processing, 2022, 167, 108560.	4.4	28
817	Cascade PID Controller Optimization Using Bison Algorithm. Lecture Notes in Computer Science, 2020, , 406-416.	1.0	0
818	Neural Network Optimization Algorithms for Controlled Switching Systems. Advances in Intelligent Systems and Computing, 2020, , 470-483.	0.5	5
819	Reliability Evaluation of Pruned Neural Networks against Errors on Parameters. , 2020, , .		1
820	Synthesis of an Adaptive State-constrained Control for MIMO Euler-Lagrange Systems. IFAC-PapersOnLine, 2020, 53, 5518-5523.	0.5	1
821	Decentralized Control of Cooperative Robotics System Using Neural Networks for the Purpose of an Object Balancing Flat Plate Tasks. International Journal of Intelligent Engineering and Systems, 2020, 13, 259-270.	0.8	1

#	ARTICLE	IF	CITATIONS
822	Neuroadaptive Optimal Fixed-Time Synchronization and its Circuit Realization for Unidirectionally Coupled FO Self-Sustained Electromechanical Seismograph Systems. IEEE Transactions on Cybernetics, 2023, 53, 2454-2466.	6.2	8
825	Observer-based adaptive neural control of robotic systems with prescribed performance. Applied Soft Computing Journal, 2022, 114, 108142.	4.1	8
826	An analytic layer-wise deep learning framework with applications to robotics. Automatica, 2022, 135, 110007.	3.0	8
827	Adaptive Neural Control for Gait Coordination of a Lower Limb Prosthesis. International Journal of Mechanical Sciences, 2022, 215, 106942.	3.6	9
828	Adaptive learning controller design for uncertain nonlinear active suspension system with actuator input delay and time-varying state constraints. , 2021, , .		0
829	Adaptive tracking control of robotic manipulator with uncertain dynamics based on a new neural approximator. , 2021, , .		0
830	Robust Prescribed Performance Control of Uncertain Vehicle Lateral System under State Constraints. Journal of Physics: Conference Series, 2021, 2083, 032029.	0.3	0
831	2-DOF robot modelling by SimMechanics and PD-FL integrated controller for position control and trajectory tracking. F1000Research, 0, 10, 1045.	0.8	3
832	Event-triggered adaptive neural asymptotic tracking of uncertain constrained nonlinear systems without feasibility condition. International Journal of Adaptive Control and Signal Processing, 2022, 36, 579-595.	2.3	1
833	Multi-input and multi-output modeling method based on T-S fuzzy neural network and its application. , 2021, , .		0
834	Adaptive tracking flight control for unmanned autonomous helicopter with full state constraints and actuator faults. ISA Transactions, 2022, 128, 32-46.	3.1	9
835	Nussbaum gain adaptive neural asymptotic tracking of nonlinear systems with full-state constraints. International Journal of Systems Science, 2022, 53, 1274-1287.	3.7	3
836	Adaptive fuzzy fixed-time tracking control for permanent magnet synchronous motor. International Journal of Robust and Nonlinear Control, 2022, 32, 3078-3095.	2.1	7
837	Barrier-Certified Learning-Enabled Safe Control Design for Systems Operating in Uncertain Environments. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 437-449.	8.5	6
838	Relaxed Fault Estimation of Discrete-Time Nonlinear System Based on a New Multi-Instant Real-Time Scheduling Fuzzy Observer. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5556-5566.	5.9	4
839	Adaptive Iterative Learning Control for Robot Manipulators With Time-Varying Parameters and Arbitrary Initial Errors. IEEE Access, 2021, 9, 166920-166931.	2.6	1
840	Neural-Network-Based Adaptive Constrained Control for Switched Systems Under State-Dependent Switching Law. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4057-4067.	7.2	6
841	Neural-Network-Based Adaptive Control of Uncertain MIMO Singularly Perturbed Systems With Full-State Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3764-3774.	7.2	24

#	ARTICLE	IF	CITATIONS
842	Neural Adaptive Fixed-Time Control for Nonlinear Systems With Full-State Constraints. IEEE Transactions on Cybernetics, 2023, 53, 3048-3059.	6.2	17
843	Adaptive fuzzy command filtering control for nonlinear MIMO systems with full state constraints and unknown control direction. Neurocomputing, 2022, 493, 474-485.	3.5	11
844	Variable Step-Size Newton-Raphson Iterative Algorithm for Solving Multi-linear Systems with $M$ -tensors. , 2020, , .		0
845	A Long Short Term Memory Network Based on Surface Electromyography for Continuous Estimation of Elbow Joint Angle. , 2020, , .		1
846	Variable Gain Accurate Differential Compensation Control for A Class of Strict Feedback Systems. , 2020, , .		0
847	Robust Adaptive Repetitive Control of Robotic Manipulators. , 2020, , .		0
849	Neural Adaptive Dynamic Surface Asymptotic Tracking Control of Hydraulic Manipulators With Guaranteed Transient Performance. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7339-7349.	7.2	25
850	Action Mapping: A Reinforcement Learning Method for Constrained-Input Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, PP, 1-13.	7.2	4
851	Adaptive Neural Tracking Control for a Two-Joint Robotic Manipulator with Unknown Time-Varying Delays. Complexity, 2022, 2022, 1-12.	0.9	1
852	Unified Mapping Function-Based Neuroadaptive Control of Constrained Uncertain Robotic Systems. IEEE Transactions on Cybernetics, 2023, 53, 3665-3674.	6.2	16
853	Neural Network-Based Adaptive Controller for Trajectory Tracking of Wheeled Mobile Robots. IEEE Access, 2022, 10, 13582-13597.	2.6	17
854	Prescribed Performance Control of Constrained Euler–Language Systems Chasing Unknown Targets. IEEE Transactions on Cybernetics, 2023, 53, 4829-4840.	6.2	3
855	Adaptive Neural Asymptotic Tracking of Uncertain Non-Strict Feedback Systems With Full-State Constraints via Command Filtered Technique. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8102-8107.	7.2	12
856	Discrete-time practical robotic control for human–robot interaction with state constraint and sensorless force estimation. ISA Transactions, 2022, 129, 659-674.	3.1	7
857	Neural network compensation control of magnetic levitation ball position based on fuzzy inference. Scientific Reports, 2022, 12, 1795.	1.6	7
858	Adaptive control of hypersonic vehicles with unknown dynamics based on dual network architecture. Acta Astronautica, 2022, 193, 197-208.	1.7	10
859	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
860	A novel computing stochastic algorithm to solve the nonlinear singular periodic boundary value problems. International Journal of Computer Mathematics, 2022, 99, 2091-2104.	1.0	17



#	ARTICLE	IF	CITATIONS
861	Structural Design and Position Tracking of the Reconfigurable SCARA Robot by the Pre-Filter AFE PID Controller. Applied Sciences (Switzerland), 2022, 12, 1626.	1.3	0
862	Adaptive Finite-Time Consensus Tracking Control for Cooperation Flexible Joint Multi-Manipulators With Full-State Constraints. IEEE Access, 2022, 10, 32324-32336.	2.6	1
864	Sliding-Mode Control of Full-State Constraint Nonlinear Systems: A Barrier Lyapunov Function Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6593-6606.	5.9	28
865	Integral BLF-Based Adaptive Neural Constrained Regulation for Switched Systems With Unknown Bounds on Control Gain. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8579-8588.	7.2	4
866	High-order control barrier functions-based impedance control of a robotic manipulator with time-varying output constraints. ISA Transactions, 2022, 129, 361-369.	3.1	20
867	Finite-time tracking for state-constrained strict-feedback systems without feasibility conditions. International Journal of Robust and Nonlinear Control, 0, , .	2.1	0
868	Event-triggered fuzzy control for nonlinear time-delay system with full-state constraints and unknown hysteresis. Journal of the Franklin Institute, 2022, 359, 1582-1611.	1.9	7
869	Event-based fuzzy adaptive decentralised asymptotic tracking control for large-scale fractional-order nonlinear systems with strong interconnections. International Journal of Systems Science, 2022, 53, 2358-2373.	3.7	1
870	Reference modification for trajectory tracking using hybrid offline and online neural networks learning. Neural Computing and Applications, 2022, 34, 11707-11719.	3.2	1
871	Dynamic control for LNG carrier with output constraints. IET Control Theory and Applications, 2022, 16, 729-740.	1.2	12
872	PD with neuro-adaptive compensation control using the signed power function. International Journal of Control, 2023, 96, 1638-1649.	1.2	0
873	Adaptive nonsingular terminal sliding mode control for rehabilitation robots. Computers and Electrical Engineering, 2022, 99, 107718.	3.0	20
874	Event-trigger-based Neural Network Controller for Pure-feedback Nonlinear Systems with Full-state Constraints. International Journal of Control, Automation and Systems, 2022, 20, 1226-1237.	1.6	4
875	UDE-based task space tracking control of uncertain robot manipulator with input saturation and output constraint. Robotica, 2022, 40, 3651-3668.	1.3	1
876	Deterministic learning from neural control for a class of sampled-data nonlinear systems. Information Sciences, 2022, 595, 159-178.	4.0	5
877	An improved DV-Hop algorithm for wireless sensor networks based on neural dynamics. Neurocomputing, 2022, 491, 172-185.	3.5	16
878	Delta Robot Trajectory Tracking Based on Fuzzy Adaptive Sliding Mode Controller. , 2021, , .		2
879	Robust Trajectory Tracking Control of an Uncertain Robot with Time-varying Error Constrains. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
880	Tracking Control of Uncertain Interconnected Time-delay Nonlinear Systems with Full State Constraints. , 2021, , .		0
881	The Adaptive NN Control of an Uncertain Robot with Time-varying Output Constrains. , 2021, , .		0
882	Cooperative Tracking Control for Multiple Robots Based on self-structuring neural networks. , 2021, , .		0
883	Adaptive neural control for stochastic nonholonomic systems with full-state constraints and unknown covariance noise. <i>Applicable Analysis</i> , 2023, 102, 1914-1933.	0.6	1
884	Neural Network Based Adaptive Dynamic Surface Control for Omnidirectional Mobile Robots Tracking Control with Full-state Constraints and Input Saturation. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 4067-4077.	1.6	6
885	Adaptive practical fixed-time tracking control for uncertain non-strict-feedback systems with input delay and prescribed boundary constraints. <i>International Journal of Adaptive Control and Signal Processing</i> , 2022, 36, 653-669.	2.3	4
886	Decentralized fixed-time control for state-constrained stochastic systems via nonlinear state-dependent function approach. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 4923-4945.	2.1	3
887	Neuroadaptive learning algorithm for constrained nonlinear systems with disturbance rejection. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 6127-6147.	2.1	53
888	Robust adaptive tracking control for input and state constrained uncertain nonlinear systems with unknown control directions. <i>International Journal of Control</i> , 2023, 96, 1681-1694.	1.2	1
889	IBL-based event-triggered adaptive learning control of nonlinear systems with full state constraints. <i>International Journal of Adaptive Control and Signal Processing</i> , 0, , .	2.3	2
890	Design of Mayer Wavelet Neural Networks for Solving Functional Nonlinear Singular Differential Equation. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-11.	0.6	2
891	Intelligent computing technique for solving singular multi-pantograph delay differential equation. <i>Soft Computing</i> , 2022, 26, 6701-6713.	2.1	6
892	English Speech Recognition System Model Based on Computer-Aided Function and Neural Network Algorithm. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-11.	1.1	1
893	Finite-Time Neural Network Fault-Tolerant Control for Robotic Manipulators under Multiple Constraints. <i>Electronics (Switzerland)</i> , 2022, 11, 1343.	1.8	4
894	Reinforcement learning-based optimized backstepping control of nonlinear strict feedback system with unknown control gain function. <i>Optimal Control Applications and Methods</i> , 2022, 43, 1358-1378.	1.3	4
895	Compound FAT-based prespecified performance learning control of robotic manipulators with actuator dynamics. <i>ISA Transactions</i> , 2022, 131, 246-263.	3.1	10
896	An intelligent sliding mode controller of robotic manipulators with output constraints and high-level adaptation. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 6888-6912.	2.1	5
897	Active disturbance rejection control for hydraulic systems with full-state constraints and input saturation. <i>IET Control Theory and Applications</i> , 2022, 16, 1127-1136.	1.2	3

#	ARTICLE	IF	CITATIONS
898	Artificial Neural Network-Based Feed-Forward and Feedback Control Design and Convergence Analysis. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-10.	0.6	0
899	A fast tube model predictive control scheme based on sliding mode control for underwater vehicle-manipulator system. <i>Ocean Engineering</i> , 2022, 254, 111259.	1.9	10
900	Neural Network-Based Hybrid Three-Dimensional Position Control for a Flapping Wing Aerial Vehicle. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 6095-6108.	6.2	4
901	Adaptive terminal sliding mode control of a regulated multidimensional electrospinning device for polymeric structures. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2022, 236, 1503-1522.	0.7	1
902	Development of improved coyote optimization with deep neural network for intelligent skill knowledge transfer for human to robot interaction. <i>International Journal of Intelligent Robotics and Applications</i> , 0, , .	1.6	0
903	Event-triggered optimal containment control for multi-agent systems subject to state constraints via reinforcement learning. <i>Nonlinear Dynamics</i> , 2022, 109, 1651-1670.	2.7	8
904	Removing the feasibility conditions on adaptive fuzzy decentralized tracking control of large-scale nonlinear systems with full-state constraints. <i>Journal of the Franklin Institute</i> , 2022, 359, 5125-5147.	1.9	5
905	Decentralized Dynamic Event-Triggered Output Feedback Adaptive Fixed-Time Funnel Control for Interconnection Nonlinear systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2024, 35, 1364-1378.	7.2	3
906	Neural Network-Based Adaptive Asymptotic Prescribed Performance Tracking Control of Hydraulic Manipulators. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, 53, 285-295.	5.9	22
907	Command-filter-based Backstepping Control for Flexible Joint Manipulator Systems with Full-state Constrains. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 2231-2238.	1.6	7
908	Adaptive Fuzzy Asymptotic Tracking for Nonlinear Nonstrict-feedback Systems With Input Quantization. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632211060.	1.5	0
909	Recurrent neural networks as kinematics estimator and controller for redundant manipulators subject to physical constraints. <i>Neural Networks</i> , 2022, 153, 64-75.	3.3	4
910	Prescribed performance dynamic surface control for nonlinear systems subject to partial and full state constraints. <i>Applied Mathematics and Computation</i> , 2022, 431, 127318.	1.4	6
911	Extended-State-Observer-Based Adaptive Prescribed Performance Control for Hydraulic Systems With Full-State Constraints. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 5615-5625.	3.7	34
912	A full-function memristive pavlov associative memory circuit with inter-stimulus interval effect. <i>Neurocomputing</i> , 2022, 506, 68-83.	3.5	4
913	Fault diagnosis of ship power equipment based on adaptive neural network. <i>International Journal of Emerging Electric Power Systems</i> , 2022, , .	0.6	0
914	Reinforcement learning based adaptive optimal control for constrained nonlinear system via a novel state-dependent transformation. <i>ISA Transactions</i> , 2023, 133, 29-41.	3.1	4
916	Observer-Based Hybrid-Triggered Control for Nonlinear Networked Control Systems with Disturbances. <i>International Journal of Fuzzy Systems</i> , 0, , .	2.3	3

#	ARTICLE	IF	CITATIONS
917	A novel fault diagnosis in sensors of quadrotor unmanned aerial vehicle. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 14081-14099.	3.3	8
918	Dynamic learning from neural network-based control for sampled-data strict-feedback nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 0, , .	2.1	0
919	Practical Tracking Control for Dual-arm Robot with Output Constraints. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 3264-3273.	1.6	3
920	Adaptive Tracking Control for Fractional-Order Nonlinear Uncertain Systems with State Constraints via Command-Filtering and Disturbance Observer. <i>Fractals</i> , 0, , .	1.8	1
921	Comparison of classical and newly designed motion profiles for motion-based control of flexible composite manipulator. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, .	0.8	3
922	Adaptive composite dynamic surface neural control for nonlinear fractional-order systems subject to delayed input. <i>ISA Transactions</i> , 2023, 134, 122-133.	3.1	10
923	Data-driven fault-tolerant control with fuzzy-rules equivalent model for a class of unknown discrete-time MIMO systems and complex coupling. <i>Journal of Computational Science</i> , 2022, 63, 101827.	1.5	0
924	Design and adaptive control of a kinematically redundant robot with enhanced trajectory tracking for climbing in tight spaces. <i>Mechanism and Machine Theory</i> , 2022, 177, 104994.	2.7	3
925	Discrete-Time Control for Double-Integrator Systems With State Constraint and Learning Gain. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2023, 70, 216-220.	2.2	1
926	Neuroadaptive Tracking Control of Affine Nonlinear Systems Using Echo State Networks Embedded With Multiclustered Structure and Intrinsic Plasticity. <i>IEEE Transactions on Cybernetics</i> , 2024, 54, 1133-1142.	6.2	2
927	Online Model-Free Reinforcement Learning for Output Feedback Tracking Control of a Class of Discrete-Time Systems With Input Saturation. <i>IEEE Access</i> , 2022, 10, 104966-104979.	2.6	0
928	Adaptive Robust Control for Nonlinear Mechanical Systems With Inequality Constraints and Uncertainties. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, 53, 1761-1772.	5.9	7
929	Design and single-parameter adaptive fuzzy control of pneumatic lower limb exoskeleton with full state constraints. <i>Robotica</i> , 2023, 41, 995-1014.	1.3	3
930	An Intelligent Position-Tracking Controller for Constrained Robotic Manipulators Using Advanced Neural Networks. , 0, , .		0
931	Trajectory tracking control of a self-balancing robot via adaptive neural networks. <i>Engineering Science and Technology, an International Journal</i> , 2022, 35, 101259.	2.0	3
932	Disturbance observer-based control with adaptive neural network for unknown nonlinear system. <i>Measurement and Control</i> , 0, , 002029402211061.	0.9	1
933	Numerical Simulation of Adaptive Radial Basis NN-Based Non-Singular Fast Terminal Sliding Mode Control with Time Delay Estimator for Precise Control of Dual-Axis Manipulator. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 9605.	1.3	0
934	Event-triggered finite-time adaptive trajectory tracking control for a class of nonlinear non-strict-feedback systems with input saturation and application to a single-link robot. <i>Nonlinear Dynamics</i> , 2023, 111, 1329-1342.	2.7	1

#	ARTICLE	IF	CITATIONS
935	Asymmetric constrained control scheme design with discrete output feedback in unknown robotâ€environment interaction system. <i>Robotica</i> , 0, , 1-21.	1.3	0
936	Finite-time robust stabilization of manipulator system with uncertainty via observer method. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 0, , 095965182211173.	0.7	0
937	Fixed-time neural network control of a robotic manipulator with input deadzone. <i>ISA Transactions</i> , 2023, 135, 449-461.	3.1	7
938	Precise torques and sliding mode compensation for trajectory tracking of manipulator with uncertainty. <i>International Journal of Advanced Robotic Systems</i> , 2022, 19, 172988062211212.	1.3	0
939	Distributed adaptive fuzzy control for multi-agent systems with full state constraints and unmeasured states. <i>Information Sciences</i> , 2022, 613, 609-627.	4.0	5
940	Tracking Control of Uncertain Robotic Systems with Function Constraints on States. , 2022, , .		2
941	Adaptive Tracking Control for Partial State Constraints Nonlinear Systems With Dead-zone Input and Unknown Control Coefficients. , 2022, , .		0
942	Adaptive neural finiteâ€time outputâ€feedback tracking control for nonlinear stochastic nonstrictâ€feedback systems with input saturation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2023, 37, 145-167.	2.3	3
943	Optimal tracking control of mechatronic servo system using integral reinforcement learning. <i>International Journal of Control</i> , 0, , 1-11.	1.2	0
944	Control of nonlinear systems with predefined constraints using neural networks. , 2022, , .		0
945	Semiâ€globally tracking control for uncertain nonâ€affine selfâ€restructuring systems with state constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2023, 33, 1335-1350.	2.1	1
946	Bilateral constrained control for prosthesis walking on stochastically uneven terrain. <i>International Journal of Mechanical Sciences</i> , 2023, 239, 107896.	3.6	2
947	Neuroadaptive Control for Active Suspension Systems With Time-Varying Motion Constraints: A Feasibility-Condition-Free Method. <i>IEEE Transactions on Cybernetics</i> , 2024, 54, 287-297.	6.2	5
948	Distributed consensus tracking control of nonlinear multi-agent systems with dynamic output constraints and input saturation. <i>Journal of the Franklin Institute</i> , 2023, 360, 356-379.	1.9	7
949	Relay-Switching-Based Fixed-Time Tracking Controller for Nonholonomic State-Constrained Systems: Design and Experiment. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2023, 10, 1778-1780.	8.5	2
950	Observer-based adaptive fuzzy output feedback control for functional constraint systems with dead-zone input. <i>Mathematical Biosciences and Engineering</i> , 2022, 20, 2628-2650.	1.0	1
951	Dynamic learning-based fault tolerant control for robotic manipulators with actuator faults. <i>Journal of the Franklin Institute</i> , 2023, 360, 862-886.	1.9	7
952	Adaptive Neural Tracking Control of a Class of Hyperbolic PDE With Uncertain Actuator Dynamics. <i>IEEE Transactions on Cybernetics</i> , 2024, 54, 693-705.	6.2	3

#	ARTICLE	IF	CITATIONS
953	Neural Network Fixed-Time Control of a Robotic System under Output Constraint. , 2022, , .		0
954	Adaptive synchronization control of multimanipulator teleoperation system under constrained discrete-time network communication. International Journal of Robust and Nonlinear Control, 2023, 33, 1807-1820.	2.1	5
955	Trajectory Tracking of Two-Joint Space Robot using Wavelet Neural Networks and Sliding Mode Control. , 2022, , .		0
956	Modeling and Advanced Controller for Precise Control of Dual-Axis Manipulator. , 2022, , .		0
957	Mobile Robot Trajectory Estimation Algorithm Based on Adaptive EKF. Journal of Physics: Conference Series, 2022, 2395, 012065.	0.3	0
958	Adaptive sliding mode control strategy based on disturbance observer and neural network for lower limb rehabilitative robot. IET Control Theory and Applications, 2023, 17, 381-399.	1.2	0
959	TDE-Based Adaptive Super-Twisting Multivariable Fast Terminal Slide Mode Control for Cable-Driven Manipulators With Safety Constraint of Error. IEEE Access, 2023, 11, 6656-6664.	2.6	0
960	Adaptive Pseudoinverse Control for Constrained Hysteretic Nonlinear Systems and its Application on Dielectric Elastomer Actuator. IEEE/ASME Transactions on Mechatronics, 2023, 28, 2142-2154.	3.7	2
961	A novel optimization method for belief rule base expert system with activation rate. Scientific Reports, 2023, 13, .	1.6	1
962	Passivity-Based Skill Motion Learning in Stiffness-Adaptive Unified Force-Impedance Control. , 2022, , .		5
963	Event-Triggered Adaptive Fuzzy Finite Time Control of Fractional-Order Non-Strict Feedback Nonlinear Systems. Journal of Systems Science and Complexity, 2022, 35, 2166-2180.	1.6	1
964	Fuzzy Adaptive Compensation Control for Space Manipulator with Joint Flexibility and Dead Zone Based on Neural Network. International Journal of Aeronautical and Space Sciences, 2023, 24, 876-889.	1.0	1
965	Moving-Target Circumnavigation Using Adaptive Neural Anti-Synchronization Control via Distance-Only Measurements. IEEE Transactions on Cybernetics, 2024, 54, 308-318.	6.2	2
966	Barrier Lyapunov Function-Based Adaptive Output Feedback Prescribed Performance Controller for Hydraulic Systems With Uncertainties Compensation. IEEE Transactions on Industrial Electronics, 2023, 70, 12500-12510.	5.2	11
967	Modeling and Control of Robotic Manipulators Based on Artificial Neural Networks: A Review. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2023, 47, 1307-1347.	0.8	7
968	Motion optimization for safe robot-robot environment interaction with force constraints. IET Control Theory and Applications, 0, , .	1.2	0
969	Experiment for Creating a Neural Network with Weights Determined by the Potential of a Simulated Electrostatic Field. Scientific and Technical Information Processing, 2022, 49, 519-531.	0.3	0
970	Liquid Metal Smart Materials toward Soft Robotics. Advanced Intelligent Systems, 2023, 5, .	3.3	13

#	ARTICLE	IF	CITATIONS
971	Adaptive multiple model control for nonlinear constrained systems with a novel barrier Lyapunov function. <i>International Journal of Robust and Nonlinear Control</i> , 2023, 33, 6533-6550.	2.1	2
972	Pose accuracy improvement in robotic machining by visually-guided method and experimental investigation. <i>Robotics and Autonomous Systems</i> , 2023, 164, 104416.	3.0	3
973	Model-Free Adaptive Control of Hydrometallurgy Cascade Gold Leaching Process with Input Constraints. <i>ACS Omega</i> , 2023, 8, 6559-6570.	1.6	2
974	Composite learning adaptive control for parameter identification of dynamic positioning vessels. , 2022, , .		0
975	Neural network-based active control of a rigid-flexible spacecraft with bounded input. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632311566.	1.5	1
976	NSGA-II Optimization-Based CPG Phase Transition Control Method of Manta Ray Robot. <i>Communications in Computer and Information Science</i> , 2023, , 489-499.	0.4	0
977	New Trends in the Control of Robots and Mechatronic Systems. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 3112.	1.3	0
978	BLF-based neural dynamic surface control for stochastic nonlinear systems with time delays and full-state constraints. <i>International Journal of Control</i> , 0, , 1-17.	1.2	1
979	On the Possibility of Determining the Values of Neural Network Weights in an Electrostatic Field. <i>Scientific and Technical Information Processing</i> , 2022, 49, 506-518.	0.3	0
980	Adaptive Output Feedback Fuzzy Event-Triggered Control for Fractional-Order Nonlinear Switched Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2023, 31, 3459-3469.	6.5	3
981	Finite-time dynamic positioning control design for surface vessels with external disturbances, input saturation and error constraints. <i>Ocean Engineering</i> , 2023, 276, 114259.	1.9	6
982	Design and input saturation control with full-state constraints of lightweight tendon-driven musculoskeletal arm. , 2023, 43, 109-121.		1
983	Consensus tracking control for time-varying delayed linear multi-agent systems under relative state saturation constraints. <i>Transactions of the Institute of Measurement and Control</i> , 0, , 014233122311629.	1.1	0
987	Backstepping-based Anti-disturbance Flight Control for Attitude and Altitude Unmanned Helicopters with State Constraints. , 2023, , .		0
993	In-distribution stability analysis for neural Markovian jump systems: A delay-feedback control method. , 2023, , .		0
997	An Optimized Path Selection Algorithm for the Minimum Number of Turns in Path Planning Using a Modified A-Star Algorithm. <i>Lecture Notes in Networks and Systems</i> , 2023, , 205-213.	0.5	0
999	A New Practical Robust Control Design for Model-based Uncertain Collaborative Robot. , 2023, , .		2
1008	Adaptive Path-Following Control of Autonomous Vehicle With Path-Dependent Constraints and Input Saturation. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
1009	Learning Control of Radial Basis Function Neural Network Based on Recursive Least Squares Update Law. , 2023, , .		0
1010	Adaptive disturbance rejection using AI. , 2023, , .		0
1011	A Disturbance Compensation Method Using Adaptive Neural Network for Robotic Manipulator. , 2023, , .		0
1018	Distributed Coordinated Control for Networked Spacecraft with Output Constraints. , 2023, , 351-378.		0
1019	Spacecraft Model and Preliminaries. , 2023, , 47-75.		0
1026	Model-Free Prescribed Performance Control of Pendulum Systems. , 2023, , .		0
1029	Adaptive Neural Dynamic Surface Control for Course Tracking of Ships With Full state Constraints. , 2023, , .		0
1034	Adaptive Neural Optimal Control of a Robot Manipulator with Time-Varying State Constraints. , 2023, , .		0
1039	The Inherent Representation of Tactile Manipulation Using Unified Force-Impedance Control. , 2023, , .		0
1041	Neural network-based adaptive sliding mode control for multi-joint manipulator. , 2023, , .		0
1042	Time-Synchronized Control of Unmanned Dynamic Positioning Ships. , 2023, , .		0
1046	Discrete-time Control of Nonlinear Control-Affine Systems with Uncertain Dynamics. , 2023, , .		0