

# Zhi Liu

## List of Publications by Citations

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140  
papers

4,413  
citations

34  
h-index

62  
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158  
ext. papers

5,469  
ext. citations

6  
avg, IF

6.36  
L-index

#	Paper	IF	Citations
140	Observer-Based Adaptive Backstepping Consensus Tracking Control for High-Order Nonlinear Semi-Strict-Feedback Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 1591-601	10.2	380
139	Neural Network-Based Adaptive Leader-Following Consensus Control for a Class of Nonlinear Multiagent State-Delay Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2151-2160	10.2	207
138	Fuzzy Adaptive Quantized Control for a Class of Stochastic Nonlinear Uncertain Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 524-34	10.2	197
137	Neural-network-based adaptive leader-following consensus control for second-order non-linear multi-agent systems. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 1927-1934	2.5	173
136	Adaptive Fuzzy Control for a Class of Stochastic Pure-Feedback Nonlinear Systems With Unknown Hysteresis. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 140-152	8.3	128
135	Adaptive Consensus of Nonlinear Multi-Agent Systems With Non-Identical Partially Unknown Control Directions and Bounded Modelling Errors. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 4654-4659	5.9	126
134	Adaptive least squares support vector machines filter for hand tremor canceling in microsurgery. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2011</b> , 2, 37-47	3.8	123
133	A probabilistic fuzzy logic system for modeling and control. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2005</b> , 13, 848-859	8.3	120
132	Adaptive neural control for a class of nonlinear time-varying delay systems with unknown hysteresis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 2129-40	10.3	115
131	Personalized Variable Gain Control With Tremor Attenuation for Robot Teleoperation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 1759-1770	7.3	110
130	Adaptive Tracking Control for A Class of Nonlinear Systems With a Fuzzy Dead-Zone Input. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 193-204	8.3	107
129	Adaptive Neural Output Feedback Control of Output-Constrained Nonlinear Systems With Unknown Output Nonlinearity. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 1789-802	10.3	98
128	Adaptive Fuzzy Tracking Control of Nonlinear Time-Delay Systems With Dead-Zone Output Mechanism Based on a Novel Smooth Model. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 1998-2011	8.3	97
127	Saturated Nussbaum Function Based Approach for Robotic Systems With Unknown Actuator Dynamics. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 2311-2322	10.2	97
126	Adaptive fuzzy output-feedback controller design for nonlinear systems via backstepping and small-gain approach. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 1714-25	10.2	95
125	Fuzzy Adaptive Inverse Compensation Method to Tracking Control of Uncertain Nonlinear Systems With Generalized Actuator Dead Zone. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 191-204	8.3	83
124	Resilient adaptive and H <sub>∞</sub> controls of multi-agent systems under sensor and actuator faults. <i>Automatica</i> , <b>2019</b> , 102, 19-26	5.7	71

123	Adaptive Quantized Controller Design Via Backstepping and Stochastic Small-Gain Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 330-343	8.3	68
122	Neural Adaptive Event-Triggered Control for Nonlinear Uncertain Stochastic Systems With Unknown Hysteresis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 3300-3312	10.3	62
121	Adaptive Fuzzy Asymptotic Control of MIMO Systems With Unknown Input Coefficients Via a Robust Nussbaum Gain-Based Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 1252-1263	8.3	62
120	Fuzzy adaptive control of nonlinear uncertain plants with unknown dead zone output. <i>Fuzzy Sets and Systems</i> , <b>2015</b> , 263, 27-48	3.7	61
119	Adaptive Fuzzy Tracking Control of Nonlinear Systems With Asymmetric Actuator Backlash Based on a New Smooth Inverse. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 1250-62	10.2	60
118	A Type-2 Fuzzy Switching Control System for Biped Robots. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2007</b> , 37, 1202-1213		56
117	Adaptive asymptotic tracking control of uncertain nonlinear system with input quantization. <i>Systems and Control Letters</i> , <b>2016</b> , 96, 23-29	2.4	53
116	Asymmetric Actuator Backlash Compensation in Quantized Adaptive Control of Uncertain Networked Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 294-307	10.3	51
115	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 605-616	8.3	50
114	Adaptive backstepping-based tracking control of a class of uncertain switched nonlinear systems. <i>Automatica</i> , <b>2018</b> , 91, 301-310	5.7	48
113	Distributed adaptive coordination control for uncertain nonlinear multi-agent systems with dead-zone input. <i>Journal of the Franklin Institute</i> , <b>2016</b> , 353, 2270-2289	4	45
112	Fuzzy Adaptive Compensation Control of Uncertain Stochastic Nonlinear Systems With Actuator Failures and Input Hysteresis. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 2-13	10.2	41
111	Adaptive Neural Control of a Class of Stochastic Nonlinear Uncertain Systems With Guaranteed Transient Performance. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 2971-2981	10.2	41
110	Event Trigger Fuzzy Adaptive Compensation Control of Uncertain Stochastic Nonlinear Systems With Actuator Failures. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 3770-3781	8.3	40
109	Adaptive asymptotic control of multivariable systems based on a one-parameter estimation approach. <i>Automatica</i> , <b>2017</b> , 83, 124-132	5.7	40
108	Adaptive finite-time control of stochastic nonlinear systems with actuator failures. <i>Fuzzy Sets and Systems</i> , <b>2019</b> , 374, 170-183	3.7	37
107	Event-Triggered Neural Control of Nonlinear Systems With Rate-Dependent Hysteresis Input Based on a New Filter. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 1270-1284	10.3	35
106	Energy-efficient SVM learning control system for biped walking robots. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2013</b> , 24, 831-7	10.3	33

105	Adaptive quantized fuzzy control of stochastic nonlinear systems with actuator dead-zone. <i>Information Sciences</i> , <b>2016</b> , 370-371, 385-401	7.7	32
104	Adaptive Fuzzy Output-Feedback Control for Switched Nonlinear Systems With Stable and Unstable Unmodeled Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 1825-1839	8.3	32
103	Second-order consensus of nonlinear multi-agent systems with restricted switching topology and time delay. <i>Nonlinear Dynamics</i> , <b>2014</b> , 78, 881-887	5	31
102	A three-domain fuzzy support vector regression for image denoising and experimental studies. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 516-25	10.2	31
101	Fuzzy Adaptive Two-Bit-Triggered Control for a Class of Uncertain Nonlinear Systems With Actuator Failures and Dead-Zone Constraint. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 210-221	10.2	31
100	Adaptive compensation for infinite number of actuator failures based on tuning function approach. <i>Automatica</i> , <b>2018</b> , 87, 365-374	5.7	31
99	Asymptotic Fuzzy Tracking Control for a Class of Stochastic Strict-Feedback Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 556-568	8.3	30
98	Adaptive Consensus Tracking Control of Uncertain Nonlinear Multiagent Systems With Predefined Accuracy. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 405-415	10.2	30
97	Adaptive fuzzy dynamic surface control for a class of nonlinear systems with fuzzy dead zone and dynamic uncertainties. <i>Nonlinear Dynamics</i> , <b>2015</b> , 79, 1693-1709	5	29
96	Adaptive control of robotic systems with unknown actuator nonlinearities and control directions. <i>Nonlinear Dynamics</i> , <b>2015</b> , 81, 1289-1300	5	26
95	Adaptive fuzzy quantized control of time-delayed nonlinear systems with communication constraint. <i>Fuzzy Sets and Systems</i> , <b>2017</b> , 314, 61-78	3.7	25
94	Adaptive robust fuzzy control for dual arm robot with unknown input deadzone nonlinearity. <i>Nonlinear Dynamics</i> , <b>2015</b> , 81, 1301-1314	5	25
93	Adaptive Compensation for Infinite Number of Time-Varying Actuator Failures in Fuzzy Tracking Control of Uncertain Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 474-486	8.3	25
92	Adaptive consensus of nonlinear multi-agent systems with unknown backlash-like hysteresis. <i>Neurocomputing</i> , <b>2016</b> , 175, 698-703	5.4	24
91	Adaptive compensation for infinite number of actuator failures/faults using output feedback control. <i>Information Sciences</i> , <b>2017</b> , 399, 1-12	7.7	23
90	Event-triggered robust adaptive control for uncertain nonlinear systems preceded by actuator dead-zone. <i>Nonlinear Dynamics</i> , <b>2018</b> , 93, 219-231	5	22
89	Adaptive fuzzy output feedback control for nonlinear systems based on event-triggered mechanism. <i>Information Sciences</i> , <b>2019</b> , 486, 419-433	7.7	21
88	Asymptotic adaptive control of nonlinear systems with elimination of overparametrization in a Nussbaum-like design. <i>Automatica</i> , <b>2018</b> , 98, 277-284	5.7	21

87	Observer-based finite time control of nonlinear systems with actuator failures. <i>Information Sciences</i> , <b>2019</b> , 500, 1-14	7.7	20
86	Indirect Adaptive Fuzzy Control Design With Guaranteed Tracking Error Performance For Uncertain Canonical Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 1139-1150	8.3	20
85	Adaptive fuzzy visual tracking control for manipulator with quantized saturation input. <i>Nonlinear Dynamics</i> , <b>2017</b> , 89, 1241-1258	5	19
84	Event-Triggered Adaptive Fuzzy Control for Uncertain Strict-Feedback Nonlinear Systems With Guaranteed Transient Performance. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 2327-2337	8.3	19
83	Energy-Efficiency-Based Gait Control System Architecture and Algorithm for Biped Robots. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2012</b> , 42, 926-933		19
82	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2017</b> , 47, 1123-1134	7.3	18
81	Asymptotic Fuzzy Neural Network Control for Pure-Feedback Stochastic Systems Based on a Semi-Nussbaum Function Technique. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2448-2459	10.2	18
80	Adaptive control of MIMO mechanical systems with unknown actuator nonlinearities based on the Nussbaum gain approach. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2016</b> , 3, 26-34	7	18
79	Adaptive Inversion-Based Fuzzy Compensation Control of Uncertain Pure-Feedback Systems With Asymmetric Actuator Backlash. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 141-155	8.3	16
78	Consensus of second-order nonlinear multi-agent systems under state-controlled switching topology. <i>Nonlinear Dynamics</i> , <b>2015</b> , 81, 1871-1878	5	16
77	Quantisation-based robust control of uncertain non-strict-feedback non-linear systems under arbitrary switching. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 582-589	2.5	16
76	A SVM controller for the stable walking of biped robots based on small sample sizes. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 38, 738-753	7.5	16
75	Fixed-Time Adaptive Fuzzy Control for Uncertain Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	16
74	Modeling and Adaptive Compensation of Unknown Multiple Frequency Vibrations for the Stabilization and Control of an Active Isolation System. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 900-911	4.8	15
73	Adaptive neural network-based visual servoing control for manipulator with unknown output nonlinearities. <i>Information Sciences</i> , <b>2018</b> , 451-452, 16-33	7.7	15
72	A three-domain fuzzy wavelet network filter using fuzzy PSO for robotic assisted minimally invasive surgery. <i>Knowledge-Based Systems</i> , <b>2014</b> , 66, 13-27	7.3	14
71	A Three-Domain Fuzzy Wavelet System for Simultaneous Processing of Time-Frequency Information and Fuzziness. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2013</b> , 21, 176-183	8.3	14
70	Event-triggered fuzzy adaptive compensation control for uncertain stochastic nonlinear systems with given transient specification and actuator failures. <i>Fuzzy Sets and Systems</i> , <b>2019</b> , 365, 1-21	3.7	14

69	Adaptive Fuzzy Quantized Control for Nonlinear Systems With Hysteretic Actuator Using a New Filter-Connected Quantizer. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 876-889	10.2	14
68	Adaptive tracking control for switched nonlinear systems with fuzzy actuator backlash. <i>Fuzzy Sets and Systems</i> , <b>2020</b> , 385, 60-80	3.7	14
67	Event-triggered neural adaptive failure compensation control for stochastic systems with dead-zone output. <i>Nonlinear Dynamics</i> , <b>2019</b> , 96, 2179-2196	5	13
66	A time-sequence-based fuzzy support vector machine adaptive filter for tremor cancelling for microsurgery. <i>International Journal of Systems Science</i> , <b>2015</b> , 46, 1131-1146	2.3	13
65	Adaptive fuzzy wavelet neural network filter for hand tremor canceling in microsurgery. <i>Applied Soft Computing Journal</i> , <b>2011</b> , 11, 5315-5329	7.5	13
64	Distributed adaptive neural control for uncertain multi-agent systems with unknown actuator failures and unknown dead zones. <i>Nonlinear Dynamics</i> , <b>2020</b> , 99, 1001-1017	5	13
63	Adaptive Fuzzy Tracking Control of Uncertain Nonlinear Systems Subject to Actuator Dead Zone With Piecewise Time-Varying Parameters. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 1493-1505	8.3	13
62	Adaptive Neural Quantized Control for a Class of MIMO Switched Nonlinear Systems With Asymmetric Actuator Dead-Zone. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 1927-1941	10.3	13
61	Adaptive neural control for switched nonlinear systems with unmodeled dynamics and unknown output hysteresis. <i>Neurocomputing</i> , <b>2019</b> , 341, 107-117	5.4	12
60	Adaptive mechanism-based congestion control for networked systems. <i>International Journal of Systems Science</i> , <b>2013</b> , 44, 533-544	2.3	12
59	Type-2 hierarchical fuzzy system for high-dimensional data-based modeling with uncertainties. <i>Soft Computing</i> , <b>2012</b> , 16, 1945-1957	3.5	12
58	Event-Triggered Adaptive Fuzzy Tracking Control With Guaranteed Transient Performance for MIMO Nonlinear Uncertain Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 736-749	10.2	12
57	Adaptive Fuzzy Control for Teleoperation System with Uncertain Kinematics and Dynamics. <i>International Journal of Control, Automation and Systems</i> , <b>2019</b> , 17, 1158-1166	2.9	11
56	Distributed adaptive cooperative control for uncertain nonlinear multi-agent systems with hysteretic quantized input. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 4645-4663	4	11
55	A probabilistic wavelet system for stochastic and incomplete data-based modeling. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2008</b> , 38, 310-9		11
54	Robust adaptive visual tracking control for uncertain robotic systems with unknown dead-zone inputs. <i>Journal of the Franklin Institute</i> , <b>2019</b> , 356, 6255-6279	4	10
53	A wavelet broad learning adaptive filter for forecasting and cancelling the physiological tremor in teleoperation. <i>Neurocomputing</i> , <b>2019</b> , 356, 170-183	5.4	10
52	Interval type-2 fuzzy kernel based support vector machine algorithm for scene classification of humanoid robot. <i>Soft Computing</i> , <b>2014</b> , 18, 589-606	3.5	10

51	Adaptive inverse compensation for actuator backlash with piecewise time-varying parameters. <i>International Journal of Control</i> , <b>2018</b> , 91, 337-345	1.5	9
50	Direct adaptive compensation for actuator failures and dead-Zone constraints in tracking control of uncertain nonlinear systems. <i>Information Sciences</i> , <b>2017</b> , 417, 328-343	7.7	9
49	Fixed-Time Fuzzy Control for a Class of Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	9
48	Adaptive fuzzy control of switched nonlinear systems with uncertain dead-zone: A mode-dependent fuzzy dead-zone model. <i>Neurocomputing</i> , <b>2021</b> , 432, 133-144	5.4	9
47	Event-Triggered Adaptive Fuzzy Tracking Control for Uncertain Nonlinear Systems Preceded by Unknown Prandtl-Ishlinskii Hysteresis. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 2979-2992	10.2	9
46	Fuzzy density weight-based support vector regression for image denoising. <i>Information Sciences</i> , <b>2016</b> , 339, 175-188	7.7	8
45	Adaptive neural control of MIMO stochastic systems with unknown high-frequency gains. <i>Information Sciences</i> , <b>2017</b> , 418-419, 513-530	7.7	8
44	Quaternion broad learning system: A novel multi-dimensional filter for estimation and elimination tremor in teleoperation. <i>Neurocomputing</i> , <b>2020</b> , 380, 78-86	5.4	8
43	Adaptive robust image-based visual servoing control of robot with unknown actuator hysteresis. <i>Nonlinear Dynamics</i> , <b>2016</b> , 85, 547-561	5	7
42	Resilient Adaptive Neural Control for Uncertain Nonlinear Systems With Infinite Number of Time-Varying Actuator Failures. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	7
41	Adaptive Control of Noncanonical Neural-Network Nonlinear Systems With Unknown Input Dead-Zone Characteristics. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 3346-3360	10.3	7
40	Adaptive Fuzzy Output Feedback Quantized Control for Uncertain Nonlinear Hysteretic Systems Using a New Feedback-Based Quantizer. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 1738-1752	8.3	7
39	Energy-efficient yaw moment control for humanoid robot utilizing arms swing. <i>International Journal of Precision Engineering and Manufacturing</i> , <b>2016</b> , 17, 1121-1128	1.7	6
38	Indirect Fuzzy Control of Nonlinear Systems With Unknown Input and State Hysteresis Using an Alternative Adaptive Inverse. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 500-514	8.3	6
37	Neural Adaptive Self-Triggered Control for Uncertain Nonlinear Systems With Input Hysteresis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	6
36	A Surrogate-Assisted Teaching-Learning-Based Optimization for Parameter Identification of the Battery Model. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 5909-5918	11.9	6
35	Online walking control system for biped robot with optimized learning mechanism: an experimental study. <i>Nonlinear Dynamics</i> , <b>2016</b> , 86, 2035-2047	5	5
34	Adaptive fuzzy control for uncertain nonlinear systems subject to full state constraints and actuator faults. <i>Information Sciences</i> , <b>2021</b> , 581, 553-566	7.7	5

33	Finite-time distributed cooperative control for heterogeneous nonlinear multi-agent systems with unknown input constraints. <i>Neurocomputing</i> , <b>2020</b> , 415, 123-134	5.4	4
32	Three-domain fuzzy wavelet broad learning system for tremor estimation. <i>Knowledge-Based Systems</i> , <b>2020</b> , 192, 105295	7.3	4
31	Inverse Optimal Design of Direct Adaptive Fuzzy Controllers for Uncertain Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	4
30	Adaptive Neural Control for Switched Nonlinear Systems With Unstable Dynamic Uncertainties: A Small Gain-Based Approach. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	4
29	Extended dimension fuzzy adaptive control for nonlinear uncertain stochastic systems with actuator constraints. <i>Nonlinear Dynamics</i> , <b>2019</b> , 98, 1315-1329	5	3
28	Synchronized adaptive control for coordinating manipulators with time-varying actuator constraint and uncertain dynamics. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 4149	3.6	3
27	A three-dimensional probabilistic fuzzy control system for network queue management. <i>Journal of Control Theory and Applications</i> , <b>2009</b> , 7, 29-34		3
26	Neuroadaptive asymptotic consensus tracking control for a class of uncertain nonlinear multiagent systems with sensor faults. <i>Information Sciences</i> , <b>2021</b> , 584, 685-685	7.7	3
25	Command filtered neural control of multi-agent systems with input quantization and unknown control direction. <i>Neurocomputing</i> , <b>2021</b> , 430, 47-57	5.4	3
24	Distributed adaptive fuzzy control approach for prescribed-time containment of uncertain nonlinear multi-agent systems with unknown hysteresis. <i>Nonlinear Dynamics</i> , <b>2021</b> , 105, 257-275	5	3
23	Direct Adaptive Fuzzy Control Scheme With Guaranteed Tracking Performances For Uncertain Canonical Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	3
22	Prescribed-time containment control with prescribed performance for uncertain nonlinear multi-agent systems. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 1782-1811	4	3
21	Tremor attenuation for surgical robots using support vector machine with parameters optimization <b>2018</b> ,		2
20	Event-Triggered Prescribed Settling Time Consensus Compensation Control for a Class of Uncertain Nonlinear Systems With Actuator Failures. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	2
19	sEMG Gestures Recognition Based on Wavelet Broad Learning System <b>2019</b> ,		2
18	Distributed Adaptive Neural Fixed-Time Tracking Control of Multiple Uncertain Mechanical Systems With Actuation Dead Zones. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-14	7.3	2
17	An interval-based congestion control algorithm under varying network conditions. <i>International Journal of Control, Automation and Systems</i> , <b>2011</b> , 9, 98-103	2.9	1
16	Adaptive Fuzzy Fixed-Time Control of Switched Systems: Mode-Dependent Power Integrator Method. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-15	7.3	1



15	Adaptive neural inverse optimal tracking control for uncertain multi-agent systems. <i>Information Sciences</i> , <b>2021</b> , 584, 31-31	7.7	1
14	Integral-interval barrier Lyapunov function based control of switched systems with fuzzy saturation-deadzone. <i>Nonlinear Dynamics</i> , <b>2021</b> , 104, 3809	5	1
13	A novel fuzzy control with filter-based event-triggered mechanism for nonlinear uncertain stochastic systems suffered input hysteresis. <i>Fuzzy Sets and Systems</i> , <b>2021</b> ,	3.7	1
12	Hybrid spatial-spectral feature in broad learning system for Hyperspectral image classification. <i>Applied Intelligence</i> ,1	4.9	1
11	Adaptive neural consensus tracking control for multi-agent systems with unknown state and input hysteresis. <i>Nonlinear Dynamics</i> , <b>2021</b> , 105, 1625-1641	5	1
10	Adaptive neural design of fixed-time controllers for MIMO systems with nonlinear static and dynamic interactions. <i>Neurocomputing</i> , <b>2021</b> , 457, 293-305	5.4	1
9	Adaptive Fixed-Time Neural Control for Uncertain Nonlinear Multiagent Systems.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , PP,	10.3	1
8	Adaptive Fuzzy Inverse Optimal Fixed-Time Control of Uncertain Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	0
7	Bipedal walking pattern generation and control for humanoid robot with bivariate stability margin optimization. <i>Advances in Mechanical Engineering</i> , <b>2018</b> , 10, 168781401880088	1.2	0
6	Adaptive neural event-triggered control for nonlinear uncertain system with input constraint based on auxiliary system. <i>International Journal of Robust and Nonlinear Control</i> , <b>2021</b> , 31, 7528-7545	3.6	0
5	Adaptive neural control for uncertain switched nonlinear systems with a switched filter-contained hysteretic quantizer. <i>Information Sciences</i> , <b>2021</b> , 581, 345-361	7.7	0
4	Multiscale Random Convolution Broad Learning System for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2021</b> , 1-5	4.1	0
3	Event-triggered fuzzy control for nonlinear time-delay system with full-state constraints and unknown hysteresis. <i>Journal of the Franklin Institute</i> , <b>2022</b> , 359, 1582-1611	4	0
2	Adaptive bilateral control of teleoperators with actuator uncertainty and quantized input. <i>Advances in Mechanical Engineering</i> , <b>2017</b> , 9, 168781401773955	1.2	
1	Adaptive Inverse Compensation for Unknown Input and Output Hysteresis Using Output Feedback Neural Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-13	7.3	