Zhi Liu

List of Publications by Year
in descending order

155 papers	6,620 citations	57631 44 h-index	74018 75 g-index
158 all docs	158 docs citations	158 times ranked	3447 citing authors

#	Article	IF	Citations
1	Observer-Based Adaptive Backstepping Consensus Tracking Control for High-Order Nonlinear Semi-Strict-Feedback Multiagent Systems. IEEE Transactions on Cybernetics, 2016, 46, 1591-1601.	6.2	504
2	Neural Network-Based Adaptive Leader-Following Consensus Control for a Class of Nonlinear Multiagent State-Delay Systems. IEEE Transactions on Cybernetics, 2017, 47, 2151-2160.	6.2	290
3	Fuzzy Adaptive Quantized Control for a Class of Stochastic Nonlinear Uncertain Systems. IEEE Transactions on Cybernetics, 2016, 46, 524-534.	6.2	267
4	Neural‐network‐based adaptive leader‐following consensus control for second‐order non‐linear multi‐agent systems. IET Control Theory and Applications, 2015, 9, 1927-1934.	1.2	213
5	Adaptive least squares support vector machines filter for hand tremor canceling in microsurgery. International Journal of Machine Learning and Cybernetics, 2011, 2, 37-47.	2.3	175
6	Adaptive Consensus of Nonlinear Multi-Agent Systems With Non-Identical Partially Unknown Control Directions and Bounded Modelling Errors. IEEE Transactions on Automatic Control, 2017, 62, 4654-4659.	3.6	169
7	A probabilistic fuzzy logic system for modeling and control. IEEE Transactions on Fuzzy Systems, 2005, 13, 848-859.	6.5	166
8	Adaptive Fuzzy Control for a Class of Stochastic Pure-Feedback Nonlinear Systems With Unknown Hysteresis. IEEE Transactions on Fuzzy Systems, 2016, 24, 140-152.	6.5	157
9	Adaptive Neural Control for a Class of Nonlinear Time-Varying Delay Systems With Unknown Hysteresis. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2129-2140.	7.2	156
10	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
11	Adaptive Fuzzy Tracking Control of Nonlinear Time-Delay Systems With Dead-Zone Output Mechanism Based on a Novel Smooth Model. IEEE Transactions on Fuzzy Systems, 2015, 23, 1998-2011.	6.5	134
12	Adaptive Neural Output Feedback Control of Output-Constrained Nonlinear Systems With Unknown Output Nonlinearity. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1789-1802.	7.2	133
13	Adaptive Tracking Control for A Class of Nonlinear Systems With a Fuzzy Dead-Zone Input. IEEE Transactions on Fuzzy Systems, 2015, 23, 193-204.	6.5	133
14	Resilient adaptive and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e270" altimg="si8.gif"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>∞</mml:mi></mml:mrow></mml controls of multi-agent systems under sensor and actuator faults. Automatica, 2019, 102, 19-26.	3.0	131
15	Saturated Nussbaum Function Based Approach for Robotic Systems With Unknown Actuator Dynamics. IEEE Transactions on Cybernetics, 2016, 46, 2311-2322.	6.2	114
16	Adaptive Fuzzy Output-Feedback Controller Design for Nonlinear Systems via Backstepping and Small-Gain Approach. IEEE Transactions on Cybernetics, 2014, 44, 1714-1725.	6.2	102
17	Fuzzy Adaptive Inverse Compensation Method to Tracking Control of Uncertain Nonlinear Systems With Generalized Actuator Dead Zone. IEEE Transactions on Fuzzy Systems, 2017, 25, 191-204.	6.5	101
18	Neural Adaptive Event-Triggered Control for Nonlinear Uncertain Stochastic Systems With Unknown Hysteresis. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3300-3312.	7.2	89

#	ARTICLE	IF	CITATIONS
19	Adaptive backstepping-based tracking control of a class of uncertain switched nonlinear systems. Automatica, 2018, 91, 301-310.	3.0	84
20	Adaptive Fuzzy Asymptotic Control of MIMO Systems With Unknown Input Coefficients Via a Robust Nussbaum Gain-Based Approach. IEEE Transactions on Fuzzy Systems, 2017, 25, 1252-1263.	6.5	80
21	Adaptive Consensus Tracking Control of Uncertain Nonlinear Multiagent Systems With Predefined Accuracy. IEEE Transactions on Cybernetics, 2021, 51, 405-415.	6.2	80
22	Fuzzy adaptive control of nonlinear uncertain plants with unknown dead zone output. Fuzzy Sets and Systems, 2015, 263, 27-48.	1.6	78
23	Adaptive Quantized Controller Design Via Backstepping and Stochastic Small-Gain Approach. IEEE Transactions on Fuzzy Systems, 2016, 24, 330-343.	6.5	76
24	Adaptive Fuzzy Tracking Control of Nonlinear Systems With Asymmetric Actuator Backlash Based on a New Smooth Inverse. IEEE Transactions on Cybernetics, 2016, 46, 1250-1262.	6.2	74
25	A Type-2 Fuzzy Switching Control System for Biped Robots. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 1202-1213.	3.3	73
26	Distributed adaptive coordination control for uncertain nonlinear multi-agent systems with dead-zone input. Journal of the Franklin Institute, 2016, 353, 2270-2289.	1.9	73
27	Adaptive asymptotic tracking control of uncertain nonlinear system with input quantization. Systems and Control Letters, 2016, 96, 23-29.	1.3	73
28	Fixed-Time Adaptive Fuzzy Control for Uncertain Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2021, 29, 3769-3781.	6.5	67
29	Asymmetric Actuator Backlash Compensation in Quantized Adaptive Control of Uncertain Networked Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 294-307.	7.2	63
30	Event Trigger Fuzzy Adaptive Compensation Control of Uncertain Stochastic Nonlinear Systems With Actuator Failures. IEEE Transactions on Fuzzy Systems, 2018, 26, 3770-3781.	6.5	60
31	Decentralized Robust Fuzzy Adaptive Control of Humanoid Robot Manipulation With Unknown Actuator Backlash. IEEE Transactions on Fuzzy Systems, 2015, 23, 605-616.	6.5	59
32	Adaptive Neural Control of a Class of Stochastic Nonlinear Uncertain Systems With Guaranteed Transient Performance. IEEE Transactions on Cybernetics, 2020, 50, 2971-2981.	6.2	57
33	Adaptive compensation for infinite number of actuator failures based on tuning function approach. Automatica, 2018, 87, 365-374.	3.0	56
34	Adaptive finite-time control of stochastic nonlinear systems with actuator failures. Fuzzy Sets and Systems, 2019, 374, 170-183.	1.6	55
35	Fuzzy Adaptive Compensation Control of Uncertain Stochastic Nonlinear Systems With Actuator Failures and Input Hysteresis. IEEE Transactions on Cybernetics, 2019, 49, 2-13.	6.2	55
36	Adaptive asymptotic control of multivariable systems based on a one-parameter estimation approach. Automatica, 2017, 83, 124-132.	3.0	54

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37	Event-Triggered Neural Control of Nonlinear Systems With Rate-Dependent Hysteresis Input Based on a New Filter. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1270-1284.	7.2	54
38	Fuzzy Adaptive Two-Bit-Triggered Control for a Class of Uncertain Nonlinear Systems With Actuator Failures and Dead-Zone Constraint. IEEE Transactions on Cybernetics, 2021, 51, 210-221.	6.2	54
39	Fixed-Time Fuzzy Control for a Class of Nonlinear Systems. IEEE Transactions on Cybernetics, 2022, 52, 3880-3887.	6.2	51
40	Adaptive Fuzzy Output-Feedback Control for Switched Nonlinear Systems With Stable and Unstable Unmodeled Dynamics. IEEE Transactions on Fuzzy Systems, 2020, 28, 1825-1839.	6.5	49
41	Neural Adaptive Self-Triggered Control for Uncertain Nonlinear Systems With Input Hysteresis. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6206-6214.	7.2	48
42	Asymptotic Fuzzy Tracking Control for a Class of Stochastic Strict-Feedback Systems. IEEE Transactions on Fuzzy Systems, 2017, 25, 556-568.	6.5	47
43	Adaptive Compensation for Infinite Number of Time-Varying Actuator Failures in Fuzzy Tracking Control of Uncertain Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 474-486.	6.5	47
44	Second-order consensus of nonlinear multi-agent systems with restricted switching topology and time delay. Nonlinear Dynamics, 2014, 78, 881-887.	2.7	45
45	Adaptive quantized fuzzy control of stochastic nonlinear systems with actuator dead-zone. Information Sciences, 2016, 370-371, 385-401.	4.0	42
46	Indirect Adaptive Fuzzy Control Design With Guaranteed Tracking Error Performance For Uncertain Canonical Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2019, 27, 1139-1150.	6.5	39
47	Energy-Efficient SVM Learning Control System for Biped Walking Robots. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 831-837.	7.2	38
48	A Three-Domain Fuzzy Support Vector Regression for Image Denoising and Experimental Studies. IEEE Transactions on Cybernetics, 2014, 44, 516-525.	6.2	37
49	Adaptive fuzzy dynamic surface control for a class of nonlinear systems with fuzzy dead zone and dynamic uncertainties. Nonlinear Dynamics, 2015, 79, 1693-1709.	2.7	37
50	Adaptive fuzzy output feedback control for nonlinear systems based on event-triggered mechanism. Information Sciences, 2019, 486, 419-433.	4.0	35
51	Event-Triggered Prescribed Settling Time Consensus Compensation Control for a Class of Uncertain Nonlinear Systems With Actuator Failures. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5590-5600.	7.2	35
52	Adaptive robust fuzzy control for dual arm robot with unknown input deadzone nonlinearity. Nonlinear Dynamics, 2015, 81, 1301-1314.	2.7	34
53	Asymptotic adaptive control of nonlinear systems with elimination of overparametrization in a Nussbaum-like design. Automatica, 2018, 98, 277-284.	3.0	34
54	Event-triggered robust adaptive control for uncertain nonlinear systems preceded by actuator dead-zone. Nonlinear Dynamics, 2018, 93, 219-231.	2.7	33

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55	Adaptive control of robotic systems with unknown actuator nonlinearities and control directions. Nonlinear Dynamics, 2015, 81, 1289-1300.	2.7	32
56	Event-Triggered Adaptive Fuzzy Control for Uncertain Strict-Feedback Nonlinear Systems With Guaranteed Transient Performance. IEEE Transactions on Fuzzy Systems, 2019, 27, 2327-2337.	6.5	32
57	Adaptive consensus of nonlinear multi-agent systems with unknown backlash-like hysteresis. Neurocomputing, 2016, 175, 698-703.	3.5	31
58	Adaptive compensation for infinite number of actuator failures/faults using output feedback control. Information Sciences, 2017, 399, 1-12.	4.0	31
59	Event-Triggered Adaptive Fuzzy Tracking Control With Guaranteed Transient Performance for MIMO Nonlinear Uncertain Systems. IEEE Transactions on Cybernetics, 2021, 51, 736-749.	6.2	31
60	Asymptotic Fuzzy Neural Network Control for Pure-Feedback Stochastic Systems Based on a Semi-Nussbaum Function Technique. IEEE Transactions on Cybernetics, 2017, 47, 2448-2459.	6.2	30
61	Observer-based finite time control of nonlinear systems with actuator failures. Information Sciences, 2019, 500, 1-14.	4.0	30
62	Adaptive Inversion-Based Fuzzy Compensation Control of Uncertain Pure-Feedback Systems With Asymmetric Actuator Backlash. IEEE Transactions on Fuzzy Systems, 2017, 25, 141-155.	6.5	28
63	Adaptive fuzzy visual tracking control for manipulator with quantized saturation input. Nonlinear Dynamics, 2017, 89, 1241-1258.	2.7	28
64	Adaptive fuzzy quantized control of time-delayed nonlinear systems with communication constraint. Fuzzy Sets and Systems, 2017, 314, 61-78.	1.6	27
65	Adaptive Neural Quantized Control for a Class of MIMO Switched Nonlinear Systems With Asymmetric Actuator Dead-Zone. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1927-1941.	7.2	27
66	Energy-Efficiency-Based Gait Control System Architecture and Algorithm for Biped Robots. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 926-933.	3.3	26
67	Coordinated Motion/Force Control of Multiarm Robot With Unknown Sensor Nonlinearity and Manipulated Objectâ€™s Uncertainty. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1123-1134.	5.9	26
68	Adaptive Fuzzy Tracking Control of Uncertain Nonlinear Systems Subject to Actuator Dead Zone With Piecewise Time-Varying Parameters. IEEE Transactions on Fuzzy Systems, 2019, 27, 1493-1505.	6.5	24
69	Adaptive Fuzzy Quantized Control for Nonlinear Systems With Hysteretic Actuator Using a New Filter-Connected Quantizer. IEEE Transactions on Cybernetics, 2020, 50, 876-889.	6.2	23
70	Fuzzy adaptive event-triggered finite-time constraint control for output-feedback uncertain nonlinear systems. Fuzzy Sets and Systems, 2022, 443, 236-257.	1.6	23
71	Consensus of second-order nonlinear multi-agent systems under state-controlled switching topology. Nonlinear Dynamics, 2015, 81, 1871-1878.	2.7	22
72	Adaptive control of MIMO mechanical systems with unknown actuator nonlinearities based on the Nussbaum gain approach. IEEE/CAA Journal of Automatica Sinica, 2016, 3, 26-34.	8.5	22

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73	A SVM controller for the stable walking of biped robots based on small sample sizes. Applied Soft Computing Journal, 2016, 38, 738-753.	4.1	22
74	Adaptive neural network-based visual servoing control for manipulator with unknown output nonlinearities. Information Sciences, 2018, 451-452, 16-33.	4.0	22
75	Distributed adaptive neural control for uncertain multi-agent systems with unknown actuator failures and unknown dead zones. Nonlinear Dynamics, 2020, 99, 1001-1017.	2.7	22
76	A three-domain fuzzy wavelet network filter using fuzzy PSO for robotic assisted minimally invasive surgery. Knowledge-Based Systems, 2014, 66, 13-27.	4.0	21
77	Event-triggered fuzzy adaptive compensation control for uncertain stochastic nonlinear systems with given transient specification and actuator failures. Fuzzy Sets and Systems, 2019, 365, 1-21.	1.6	21
78	Event-Triggered Adaptive Fuzzy Tracking Control for Uncertain Nonlinear Systems Preceded by Unknown Prandtlâ€"Ishlinskii Hysteresis. IEEE Transactions on Cybernetics, 2021, 51, 2979-2992.	6.2	21
79	A Surrogate-Assisted Teaching-Learning-Based Optimization for Parameter Identification of the Battery Model. IEEE Transactions on Industrial Informatics, 2021, 17, 5909-5918.	7.2	21
80	Resilient Adaptive Neural Control for Uncertain Nonlinear Systems With Infinite Number of Time-Varying Actuator Failures. IEEE Transactions on Cybernetics, 2022, 52, 4356-4369.	6.2	21
81	Quantisationâ€based robust control of uncertain nonâ€strictâ€feedback nonâ€linear systems under arbitrary switching. IET Control Theory and Applications, 2016, 10, 582-589.	1.2	20
82	Adaptive Fuzzy Control for Teleoperation System with Uncertain Kinematics and Dynamics. International Journal of Control, Automation and Systems, 2019, 17, 1158-1166.	1.6	20
83	Inverse Optimal Design of Direct Adaptive Fuzzy Controllers for Uncertain Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 1669-1682.	6.5	20
84	Prescribed-time containment control with prescribed performance for uncertain nonlinear multi-agent systems. Journal of the Franklin Institute, 2021, 358, 1782-1811.	1.9	20
85	A time-sequence-based fuzzy support vector machine adaptive filter for tremor cancelling for microsurgery. International Journal of Systems Science, 2015, 46, 1131-1146.	3.7	19
86	Adaptive Control of Noncanonical Neural-Network Nonlinear Systems With Unknown Input Dead-Zone Characteristics. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3346-3360.	7.2	19
87	Adaptive fuzzy control of switched nonlinear systems with uncertain dead-zone: A mode-dependent fuzzy dead-zone model. Neurocomputing, 2021, 432, 133-144.	3.5	19
88	Distributed adaptive fuzzy control approach for prescribed-time containment of uncertain nonlinear multi-agent systems with unknown hysteresis. Nonlinear Dynamics, 2021, 105, 257-275.	2.7	19
89	Adaptive fuzzy wavelet neural network filter for hand tremor canceling in microsurgery. Applied Soft Computing Journal, 2011, 11, 5315-5329.	4.1	18
90	Type-2 hierarchical fuzzy system for high-dimensional data-based modeling with uncertainties. Soft Computing, 2012, 16, 1945-1957.	2.1	18

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91	Adaptive neural control for switched nonlinear systems with unmodeled dynamics and unknown output hysteresis. Neurocomputing, 2019, 341, 107-117.	3.5	18
92	Adaptive tracking control for switched nonlinear systems with fuzzy actuator backlash. Fuzzy Sets and Systems, 2020, 385, 60-80.	1.6	18
93	Distributed adaptive cooperative control for uncertain nonlinear multi-agent systems with hysteretic quantized input. Journal of the Franklin Institute, 2020, 357, 4645-4663.	1.9	18
94	Adaptive fuzzy control for uncertain nonlinear systems subject to full state constraints and actuator faults. Information Sciences, 2021, 581, 553-566.	4.0	18
95	Event-triggered neural adaptive failure compensation control for stochastic systems with dead-zone output. Nonlinear Dynamics, 2019, 96, 2179-2196.	2.7	17
96	Neuroadaptive asymptotic consensus tracking control for a class of uncertain nonlinear multiagent systems with sensor faults. Information Sciences, 2022, 584, 685-700.	4.0	17
97	Adaptive neural inverse optimal tracking control for uncertain multi-agent systems. Information Sciences, 2022, 584, 31-49.	4.0	16
98	Adaptive inverse optimal consensus control for uncertain high-order multiagent systems with actuator and sensor failures. Information Sciences, 2022, 605, 119-135.	4.0	16
99	Adaptive Fixed-Time Neural Control for Uncertain Nonlinear Multiagent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10346-10358.	7.2	16
100	Adaptive mechanism-based congestion control for networked systems. International Journal of Systems Science, 2013, 44, 533-544.	3.7	15
101	A Three-Domain Fuzzy Wavelet System for Simultaneous Processing of Time-Frequency Information and Fuzziness. IEEE Transactions on Fuzzy Systems, 2013, 21, 176-183.	6.5	15
102	Modeling and Adaptive Compensation of Unknown Multiple Frequency Vibrations for the Stabilization and Control of an Active Isolation System. IEEE Transactions on Control Systems Technology, 2016, 24, 900-911.	3.2	15
103	Direct adaptive compensation for actuator failures and dead-Zone constraints in tracking control of uncertain nonlinear systems. Information Sciences, 2017, 417, 328-343.	4.0	15
104	Robust adaptive visual tracking control for uncertain robotic systems with unknown dead-zone inputs. Journal of the Franklin Institute, 2019, 356, 6255-6279.	1.9	15
105	Direct Adaptive Fuzzy Control Scheme With Guaranteed Tracking Performances for Uncertain Canonical Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 818-829.	6.5	15
106	Command filtered neural control of multi-agent systems with input quantization and unknown control direction. Neurocomputing, 2021, 430, 47-57.	3.5	15
107	Adaptive robust image-based visual servoing control of robot with unknown actuator hysteresis. Nonlinear Dynamics, 2016, 85, 547-561.	2.7	14
108	Adaptive inverse compensation for actuator backlash with piecewise time-varying parameters. International Journal of Control, 2018, 91, 337-345.	1.2	14

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109	A wavelet broad learning adaptive filter for forecasting and cancelling the physiological tremor in teleoperation. Neurocomputing, 2019, 356, 170-183.	3.5	14
110	Indirect Fuzzy Control of Nonlinear Systems With Unknown Input and State Hysteresis Using an Alternative Adaptive Inverse. IEEE Transactions on Fuzzy Systems, 2021, 29, 500-514.	6.5	14
111	A Probabilistic Wavelet System for Stochastic and Incomplete Data-Based Modeling. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 310-319.	5.5	13
112	Quaternion broad learning system: A novel multi-dimensional filter for estimation and elimination tremor in teleoperation. Neurocomputing, 2020, 380, 78-86.	3.5	13
113	Finite-time distributed cooperative control for heterogeneous nonlinear multi-agent systems with unknown input constraints. Neurocomputing, 2020, 415, 123-134.	3.5	13
114	Adaptive Fuzzy Inverse Optimal Fixed-Time Control of Uncertain Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 3857-3868.	6.5	13
115	Adaptive neural control of MIMO stochastic systems with unknown high-frequency gains. Information Sciences, 2017, 418-419, 513-530.	4.0	12
116	Distributed Adaptive Neural Fixed-Time Tracking Control of Multiple Uncertain Mechanical Systems With Actuation Dead Zones. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3859-3872.	5.9	12
117	Adaptive neural asymptotic control for uncertain nonlinear multiagent systems with a fuzzy dead zone constraint. Fuzzy Sets and Systems, 2022, 432, 152-167.	1.6	12
118	Interval type-2 fuzzy kernel based support vector machine algorithm for scene classification of humanoid robot. Soft Computing, 2014, 18, 589-606.	2.1	11
119	Adaptive neural event-triggered control for nonlinear uncertain system with input constraint based on auxiliary system. International Journal of Robust and Nonlinear Control, 2021, 31, 7528-7545.	2.1	11
120	A Fast Finite-Time Neural Network Control of Stochastic Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7443-7452.	7.2	11
121	Adaptive Fuzzy Output Feedback Quantized Control for Uncertain Nonlinear Hysteretic Systems Using a New Feedback-Based Quantizer. IEEE Transactions on Fuzzy Systems, 2019, 27, 1738-1752.	6.5	10
122	Three-domain fuzzy wavelet broad learning system for tremor estimation. Knowledge-Based Systems, 2020, 192, 105295.	4.0	10
123	Adaptive Neural Control for Switched Nonlinear Systems With Unstable Dynamic Uncertainties: A Small Gain-Based Approach. IEEE Transactions on Cybernetics, 2022, 52, 5654-5667.	6.2	10
124	Adaptive neural control for uncertain switched nonlinear systems with a switched filter-contained hysteretic quantizer. Information Sciences, 2021, 581, 345-361.	4.0	10
125	Fuzzy density weight-based support vector regression for image denoising. Information Sciences, 2016, 339, 175-188.	4.0	8
126	Adaptive neural consensus tracking control for multi-agent systems with unknown state and input hysteresis. Nonlinear Dynamics, 2021, 105, 1625-1641.	2.7	8

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127	Adaptive Fuzzy Fixed-Time Control of Switched Systems: Mode-Dependent Power Integrator Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6998-7012.	5.9	8
128	A novel fuzzy control with filter-based event-triggered mechanism for nonlinear uncertain stochastic systems suffered input hysteresis. Fuzzy Sets and Systems, 2022, 432, 68-88.	1.6	7
129	Hybrid spatial-spectral feature in broad learning system for Hyperspectral image classification. Applied Intelligence, 2022, 52, 2801-2812.	3.3	7
130	Adaptive neural design of fixed-time controllers for MIMO systems with nonlinear static and dynamic interactions. Neurocomputing, 2021, 457, 293-305.	3.5	7
131	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
132	Energy-efficient yaw moment control for humanoid robot utilizing arms swing. International Journal of Precision Engineering and Manufacturing, 2016, 17, 1121-1128.	1.1	6
133	Online walking control system for biped robot with optimized learning mechanism: an experimental study. Nonlinear Dynamics, 2016, 86, 2035-2047.	2.7	6
134	Extended dimension fuzzy adaptive control for nonlinear uncertain stochastic systems with actuator constraints. Nonlinear Dynamics, 2019, 98, 1315-1329.	2.7	6
135	Synchronized adaptive control for coordinating manipulators with time-varying actuator constraint and uncertain dynamics. International Journal of Robust and Nonlinear Control, 2019, 29, 4149-4167.	2.1	6
136	Integral-interval barrier Lyapunov function based control of switched systems with fuzzy saturation-deadzone. Nonlinear Dynamics, 2021, 104, 3809-3826.	2.7	6
137	Multiscale Random Convolution Broad Learning System for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	6
138	Event-triggered fuzzy adaptive control of nonlinear switched systems with predefined accuracy and mismatched switching. Fuzzy Sets and Systems, 2022, 443, 283-307.	1.6	6
139	Optimized adaptive consensus tracking control for uncertain nonlinear multiagent systems using a new event-triggered communication mechanism. Information Sciences, 2022, 605, 301-316.	4.0	5
140	A three-dimensional probabilistic fuzzy control system for network queue management. Journal of Control Theory and Applications, 2009, 7, 29-34.	0.8	4
141	sEMG Gestures Recognition Based on Wavelet Broad Learning System. , 2019, , .		4
142	Adaptive Inverse Compensation for Unknown Input and Output Hysteresis Using Output Feedback Neural Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3224-3236.	5.9	4
143	Decentralized Adaptive Neural Inverse Optimal Control of Nonlinear Interconnected Systems. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8840-8851.	7.2	4
144	Event-triggered adaptive neural control for uncertain nonstrict-feedback nonlinear systems with full-state constraints and unknown actuator failures. Neurocomputing, 2022, 490, 269-282.	3.5	4

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145	Reinforcement learning based adaptive optimal control for constrained nonlinear system via a novel state-dependent transformation. ISA Transactions, 2023, 133, 29-41.	3.1	4
146	Bipedal walking pattern generation and control for humanoid robot with bivariate stability margin optimization. Advances in Mechanical Engineering, 2018, 10, 168781401880088.	0.8	3
147	Tremor attenuation for surgical robots using support vector machine with parameters optimization. , 2018, , .		3
148	Adaptive Actuator Failure Compensation Control Schemes for Uncertain Noncanonical Neural-Network Systems. IEEE Transactions on Cybernetics, 2022, 52, 2635-2648.	6.2	3
149	Adaptive bilateral control of teleoperators with actuator uncertainty and quantized input. Advances in Mechanical Engineering, 2017, 9, 168781401773955.	0.8	2
150	Adaptive Neural Design of Consensus Controllers for Nonlinear Multiagent Systems Under Switching Topologies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 309-320.	5.9	2
151	An interval-based congestion control algorithm under varying network conditions. International Journal of Control, Automation and Systems, 2011, 9, 98-103.	1.6	1
152	Wavelet Broad Learning Filter: A Novel Adaptive Filter for estimating the Physiological Tremor in Teleoperation. , 2018, , .		1
153	Asymptotic fuzzy-approximation based control of MIMO systems with unknown input nonlinearities and control direction. , 2016, , .		0
154	Adaptive Fuzzy Inverse Compensation For Actuator Dead-zone With Piecewise Time-varying Parameters. , 2018, , .		0
155	Adaptive Neural Consensus Control of Nonlinear Multi-agent Systems with Actuator Failures. , 2021, , .		0