Yan-Jun Liu

List of Publications by Year in Descending Order

180 papers	12,008 citations	58 h-index	108 g-index
206 ext. papers	14,469 ext. citations	5.6 avg, IF	7.56 L-index

#	Paper	IF	Citations
180	Performance Improvement of Active Suspension Constrained System via Neural Network Identification.. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, PP,	10.3	3
179	PDE Based Adaptive Control of Flexible Riser System With Input Backlash and State Constraints. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2022**, 1-10	3.9	2
178	Adaptive neural network output tracking control of uncertain switched nonlinear systems: An improved multiple Lyapunov function method. *Information Sciences*, **2022**, 606, 380-396	7.7	0
177	Robust Adaptive Fuzzy Control via State-Dependent Function for Nonlinear Stochastic Large-Scale Systems Subject to Dead Zones. *Complexity*, **2021**, 2021, 1-17	1.6	
176	Adaptive distributed tracking control for non-affine multi-agent systems with state constraints and dead-zone input. *Journal of the Franklin Institute*, **2021**, 359, 352-352	4	0
175	Adaptive Finite-Time Neural Network Control of Nonlinear Systems With Multiple Objective Constraints and Application to Electromechanical System. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 5416-5426	10.3	5
174	Adaptive fuzzy fault-tolerant control of seat active suspension systems with actuator fault. *IET Control Theory and Applications*, **2021**, 15, 1104-1114	2.5	3
173	Adaptive constraint control for flexible manipulator systems modeled by partial differential equations with dead-zone input. *International Journal of Adaptive Control and Signal Processing*, **2021**, 35, 1404-1416	2.8	0
172	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	7	14
171	Observer-Based Adaptive Neural Networks Control for Large-Scale Interconnected Systems With Nonconstant Control Gains. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 1575-1585	10.3	35
170	Trajectory Tracking Control in Real-Time of Dual-Motor-Driven Driverless Racing Car Based on Optimal Control Theory and Fuzzy Logic Method. *Complexity*, **2021**, 2021, 1-16	1.6	1
169	Adaptive NN Cross Backstepping Control for Nonlinear Systems With Partial Time-Varying State Constraints and Its Applications to Hyper-Chaotic Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 2821-2832	7.3	2
168	Neural network based adaptive event trigger control for a class of electromagnetic suspension systems. *Control Engineering Practice*, **2021**, 106, 104675	3.9	66
167	Fuzzy Observer Constraint Based on Adaptive Control for Uncertain Nonlinear MIMO Systems With Time-Varying State Constraints. *IEEE Transactions on Cybernetics*, **2021**, 51, 1380-1389	10.2	20
166	Adaptive Neural Control Using Tangent Time-Varying BLFs for a Class of Uncertain Stochastic Nonlinear Systems With Full State Constraints. *IEEE Transactions on Cybernetics*, **2021**, 51, 1943-1953	10.2	27
165	Adaptive Neural Network Control Design for Uncertain Nonstrict Feedback Nonlinear System With State Constraints. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 3678-3686	7.3	5
164	Adaptive Neural Network-Based Finite-Time Online Optimal Tracking Control of the Nonlinear System With Dead Zone. *IEEE Transactions on Cybernetics*, **2021**, 51, 382-392	10.2	35

163	IBLF-Based Adaptive Neural Control of State-Constrained Uncertain Stochastic Nonlinear Systems. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	9
162	Anti-Saturation-Based Adaptive Sliding-Mode Control for Active Suspension Systems With Time-Varying Vertical Displacement and Speed Constraints. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	5
161	Adaptive Intelligent Controller Design-Based ISS Modular Approach for Uncertain Nonlinear Systems with Time-Varying Full State Constraints. *IEEE Transactions on Artificial Intelligence*, **2021**, 1-1	4.7	2
160	Adaptive NN Control for Nonlinear Multi-Agent Systems With Unknown Control Direction and Full State Constraints. *IEEE Access*, **2021**, 9, 24425-24432	3.5	3
159	Intelligent Motion Tracking Control of Vehicle Suspension Systems With Constraints via Neural Performance Analysis. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-8	6.1	0
158	Time-varying IBLFs-based adaptive control of uncertain nonlinear systems with full state constraints. *Automatica*, **2021**, 129, 109595	5.7	52
157	Tangent barrier Lyapunov function-based constrained control of flexible manipulator system with actuator failure. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 8523	3.6	1
156	Deep Echo State Network With Multiple Adaptive Reservoirs for Time Series Prediction. *IEEE Transactions on Cognitive and Developmental Systems*, **2021**, 13, 693-704	3	0
155	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	3.9	7
154	Relative Threshold-Based Event-Triggered Control for Nonlinear Constrained Systems With Application to Aircraft Wing Rock Motion. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	8
153	Observer-Based Neuro-Adaptive Optimized Control of Strict-Feedback Nonlinear Systems With State Constraints. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	85
152	Active Suspension Control of Quarter-Car System With Experimental Validation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-13	7.3	6
151	Adaptive Finite-Time Neural Constrained Control for Nonlinear Active Suspension Systems Based on Command Filter. *IEEE Transactions on Artificial Intelligence*, **2021**, 1-1	4.7	1
150	Adaptive Fuzzy Output-Feedback Control for Switched Uncertain Nonlinear Systems With Full-State Constraints. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	15
149	Adaptive Neural Network Control for a Class of Nonlinear Systems With Function Constraints on States. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	28
148	Adaptive Output Feedback Tracking Control for a Class of Nonlinear Time-Varying State Constrained Systems With Fuzzy Dead-Zone Input. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	9
147	Adaptive Fuzzy Finite-Time Tracking Control for Nonstrict Full States Constrained Nonlinear System With Coupled Dead-Zone Input. *IEEE Transactions on Cybernetics*, **2020**,	10.2	6
146	Fully Adaptive-Gain-Based Intelligent Failure-Tolerant Control for Spacecraft Attitude Stabilization Under Actuator Saturation. *IEEE Transactions on Cybernetics*, **2020**,	10.2	8

145	Event-Triggered Tracking Control for Active Seat Suspension Systems With Time-Varying Full-State Constraints. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-9	7.3	14
144	Adaptive Fault Tolerant Control of Active Suspension Systems With Time-Varying Displacement and Velocity Constraints. *IEEE Access*, **2020**, 8, 10847-10856	3.5	3
143	Integral Barrier Lyapunov function-based adaptive control for switched nonlinear systems. *Science China Information Sciences*, **2020**, 63, 1	3.4	181
142	Adaptive Sliding Mode Control for Uncertain Active Suspension Systems With Prescribed Performance. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-9	7.3	18
141	Neural networks-based adaptive dynamic surface control for vehicle active suspension systems with time-varying displacement constraints. *Neurocomputing*, **2020**, 408, 176-187	5.4	5
140	Adaptive neural network control for nonlinear state constrained systems with unknown dead-zones input. *AIMS Mathematics*, **2020**, 5, 4065-4084	2.2	
139	Distributed Formation Control of Multi-Robot Systems: A Fixed-Time Behavioral Approach **2020**,		3
138	Actuator Failure Compensation-Based Adaptive Control of Active Suspension Systems With Prescribed Performance. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 7044-7053	8.9	53
137	Adaptive Finite-Time Tracking Control for Continuous Stirred Tank Reactor With Time-Varying Output Constraint. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-6	7.3	1
136	Time-varying asymmetrical BLFs based adaptive finite-time neural control of nonlinear systems with full state constraints. *IEEE/CAA Journal of Automatica Sinica*, **2020**, 1-9	7	10
135	Adaptive Finite-Time Control for Half-Vehicle Active Suspension Systems With Uncertain Dynamics. *IEEE/ASME Transactions on Mechatronics*, **2020**, 1-1	5.5	11
134	Disturbance Observer-Based Adaptive Neural Network Control of Marine Vessel Systems with Time-Varying Output Constraints. *Complexity*, **2020**, 2020, 1-12	1.6	1
133	Hesitant Bipolar-Valued Fuzzy Soft Sets and Their Application in Decision Making. *Complexity*, **2020**, 2020, 1-12	1.6	4
132	Minimum-Learning-Parameters-Based Adaptive Neural Fault Tolerant Control With Its Application to Continuous Stirred Tank Reactor. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 1275-1285	7.3	7
131	Stability Analysis of T-S Fuzzy Control System With Sampled-Dropouts Based on Time-Varying Lyapunov Function Method. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 2566-2577	7.3	21
130	Adaptive Decentralized Controller Design for a Class of Switched Interconnected Nonlinear Systems. *IEEE Transactions on Cybernetics*, **2020**, 50, 1644-1654	10.2	15
129	Reinforcement Learning Neural Network-Based Adaptive Control for State and Input Time-Delayed Wheeled Mobile Robots. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 4171-4182	7.3	6
128	An Adaptive Neural Network Controller for Active Suspension Systems With Hydraulic Actuator. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 5351-5360	7.3	36

127	Finite-Time Convergence Adaptive Neural Network Control for Nonlinear Servo Systems. *IEEE Transactions on Cybernetics*, **2020**, 50, 2568-2579	10.2	49
126	Multiple Lyapunov Functions for Adaptive Neural Tracking Control of Switched Nonlinear Nonlower-Triangular Systems. *IEEE Transactions on Cybernetics*, **2020**, 50, 1877-1886	10.2	96
125	Minimal learning parameters-based adaptive neural control for vehicle active suspensions with input saturation. *Neurocomputing*, **2020**, 396, 153-161	5.4	7
124	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	10.3	59
123	ADP-Based Online Tracking Control of Partially Uncertain Time-Delayed Nonlinear System and Application to Wheeled Mobile Robots. *IEEE Transactions on Cybernetics*, **2020**, 50, 3182-3194	10.2	20
122	Adaptive Fault-Tolerant Consensus Protocols for Multiagent Systems With Directed Graphs. *IEEE Transactions on Cybernetics*, **2020**, 50, 25-35	10.2	15
121	Value Iteration-Based H□Controller Design for Continuous-Time Nonlinear Systems Subject to Input Constraints. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 3986-3995	7.3	9
120	Fuzzy Approximation-Based Adaptive Control of Nonlinear Uncertain State Constrained Systems With Time-Varying Delays. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 1620-1630	8.3	29
119	Barrier Lyapunov Function-Based Adaptive Fuzzy FTC for Switched Systems and Its Applications to Resistance-Inductance-Capacitance Circuit System. *IEEE Transactions on Cybernetics*, **2020**, 50, 3491-3502	10.2	95
118	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	8.9	117
117	Adaptive NN Control Without Feasibility Conditions for Nonlinear State Constrained Stochastic Systems With Unknown Time Delays. *IEEE Transactions on Cybernetics*, **2019**, 49, 4485-4494	10.2	48
116	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	7.3	3
115	Neural Networks-Based Adaptive Finite-Time Fault-Tolerant Control for a Class of Strict-Feedback Switched Nonlinear Systems. *IEEE Transactions on Cybernetics*, **2019**, 49, 2536-2545	10.2	252
114	Adaptive Reinforcement Learning Control Based on Neural Approximation for Nonlinear Discrete-Time Systems With Unknown Nonaffine Dead-Zone Input. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 295-305	10.3	46
113	Adaptive control for switched uncertain nonlinear systems with time-varying output constraint and input saturation. *International Journal of Adaptive Control and Signal Processing*, **2019**, 33, 1344-1358	2.8	7
112	Adaptive control design for MIMO switched nonlinear systems with full state constraints. *International Journal of Adaptive Control and Signal Processing*, **2019**, 33, 1583-1600	2.8	8
111	Fuzzy-Based Multierror Constraint Control for Switched Nonlinear Systems and Its Applications. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 1519-1531	8.3	133
110	Adaptive Finite-Time NN Control for 3-DOF Active Suspension Systems With Displacement Constraints. *IEEE Access*, **2019**, 7, 13577-13588	3.5	14

109	Neural Network Controller Design for a Class of Nonlinear Delayed Systems With Time-Varying Full-State Constraints. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 2625-2636	10.3	104
108	A Practical Fault Diagnosis Algorithm Based on Aperiodic Corrected-Second Low-Frequency Processing for Microgrid Inverter. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 3889-3898	11.9	3
107	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 2511-2518	7.3	22
106	Neural Networks-Based Adaptive Control for Nonlinear State Constrained Systems With Input Delay. *IEEE Transactions on Cybernetics*, **2019**, 49, 1249-1258	10.2	164
105	Echo State Networks Based Data-Driven Adaptive Fault Tolerant Control With Its Application to Electromechanical System. *IEEE/ASME Transactions on Mechatronics*, **2018**, 23, 1372-1382	5.5	26
104	Adaptive Fuzzy Output Feedback Control for a Class of Nonlinear Systems With Full State Constraints. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 2607-2617	8.3	166
103	Formation Control With Obstacle Avoidance for a Class of Stochastic Multiagent Systems. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 5847-5855	8.9	90
102	Optimal Fault-Tolerant Control for Discrete-Time Nonlinear Strict-Feedback Systems Based on Adaptive Critic Design. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 2179-2191	10.3	28
101	Adaptive Critic Design for Pure-Feedback Discrete-Time MIMO Systems Preceded by Unknown Backlashlike Hysteresis. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 5681-5690	10.3	8
100	Neural-Network-Based Robust Optimal Tracking Control for MIMO Discrete-Time Systems With Unknown Uncertainty Using Adaptive Critic Design. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 1239-1251	10.3	37
99	. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 3191-3205	8.3	18
98	Adaptive control-based Barrier Lyapunov Functions for a class of stochastic nonlinear systems with full state constraints. *Automatica*, **2018**, 87, 83-93	5.7	348
97	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	8.3	36
96	Adaptive neural network-based control for a class of nonlinear pure-feedback systems with time-varying full state constraints. *IEEE/CAA Journal of Automatica Sinica*, **2018**, 5, 923-933	7	130
95	Partial State Constraints-Based Control for Nonlinear Systems With Backlash-Like Hysteresis. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 1-5	7.3	51
94	Neural Approximation-Based Adaptive Control for a Class of Nonlinear Nonstrict Feedback Discrete-Time Systems. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 1531-1541	10.3	61
93	Model Identification and Control Design for a Humanoid Robot. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 45-57	7.3	98
92	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	8.3	83

91	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2351-2362	7.3	64
90	Active contour model by combining edge and region information discrete dynamic systems. *Advances in Mechanical Engineering*, **2017**, 9, 168781401769294	1.2	6
89	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	10.2	97
88	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	7.3	65
87	Barrier Lyapunov functions for Nussbaum gain adaptive control of full state constrained nonlinear systems. *Automatica*, **2017**, 76, 143-152	5.7	527
86	Adaptive Controller Design-Based ABLF for a Class of Nonlinear Time-Varying State Constraint Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 1546-1553	7.3	169
85	Adaptive variable universe of discourse fuzzy control for a class of nonlinear systems with unknown dead zones. *International Journal of Adaptive Control and Signal Processing*, **2017**, 31, 1934-1951	2.8	4
84	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	1.2	1
83	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	7.3	91
82	Fuzzy tracking adaptive control of discrete-time switched nonlinear systems. *Fuzzy Sets and Systems*, **2017**, 316, 35-48	3.7	41
81	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	10.2	207
80	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	8.3	62
79	Modeling and Vibration Control for a Moving Beam With Application in a Drilling Riser. *IEEE Transactions on Control Systems Technology*, **2017**, 25, 1036-1043	4.8	71
78	Adaptive NN Control Using Integral Barrier Lyapunov Functionals for Uncertain Nonlinear Block-Triangular Constraint Systems. *IEEE Transactions on Cybernetics*, **2017**, 47, 3747-3757	10.2	118
77	Spectral radius and extremal graphs for class of unicyclic graph with pendant vertices. *Advances in Mechanical Engineering*, **2017**, 9, 168781401770713	1.2	0
76	Approximation-Based Adaptive Neural Tracking Control of an Uncertain Robot with Output Constraint and Unknown Time-Varying Delays. *Lecture Notes in Computer Science*, **2017**, 44-51	0.9	1
75	Observer-Based Adaptive Backstepping Consensus Tracking Control for High-Order Nonlinear Semi-Strict-Feedback Multiagent Systems. *IEEE Transactions on Cybernetics*, **2016**, 46, 1591-601	10.2	380
74	A Unified Approach to Adaptive Neural Control for Nonlinear Discrete-Time Systems With Nonlinear Dead-Zone Input. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 139-50	10.3	91

73	Neural Controller Design-Based Adaptive Control for Nonlinear MIMO Systems With Unknown Hysteresis Inputs. *IEEE Transactions on Cybernetics*, **2016**, 46, 9-19	10.2	162
72	Fuzzy Approximation-Based Adaptive Backstepping Optimal Control for a Class of Nonlinear Discrete-Time Systems With Dead-Zone. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 16-28	8.3	331
71	Adaptive fuzzy optimal control using direct heuristic dynamic programming for chaotic discrete-time system. *JVC/Journal of Vibration and Control*, **2016**, 22, 595-603	2	80
70	Barrier Lyapunov Functions-based adaptive control for a class of nonlinear pure-feedback systems with full state constraints. *Automatica*, **2016**, 64, 70-75	5.7	513
69	Fuzzy Adaptive Control With State Observer for a Class of Nonlinear Discrete-Time Systems With Input Constraint. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 1147-1158	8.3	178
68	Optimal Control-Based Adaptive NN Design for a Class of Nonlinear Discrete-Time Block-Triangular Systems. *IEEE Transactions on Cybernetics*, **2016**, 46, 2670-2680	10.2	98
67	Neural Network Control-Based Adaptive Learning Design for Nonlinear Systems With Full-State Constraints. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 1562-71	10.3	323
66	Neural network-based adaptive control for a class of chemical reactor systems with non-symmetric dead-zone. *Neurocomputing*, **2016**, 174, 597-604	5.4	9
65	The Existence of Spanning Ended System on Claw-Free Graphs. *Mathematical Problems in Engineering*, **2016**, 2016, 1-4	1.1	
64	Research on the Intelligent Control and Simulation of Automobile Cruise System Based on Fuzzy System. *Mathematical Problems in Engineering*, **2016**, 2016, 1-12	1.1	11
63	Adaptive control of a class of switched nonlinear discrete-time systems with unknown parameter. *Neurocomputing*, **2016**, 214, 1-6	5.4	11
62	Adaptive neural network tracking design for a class of uncertain nonlinear discrete-time systems with unknown time-delay. *Neurocomputing*, **2015**, 168, 152-159	5.4	9
61	Control of nonlinear systems with full state constraints using integral Barrier Lyapunov Functionals **2015**,		5
60	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	2.5	173
59	Adaptive NN fault-tolerant control for discrete-time systems in triangular forms with actuator fault. *Neurocomputing*, **2015**, 152, 209-221	5.4	35
58	Adaptive NN controller design for a class of nonlinear MIMO discrete-time systems. *IEEE Transactions on Neural Networks and Learning Systems*, **2015**, 26, 1007-18	10.3	141
57	Adaptive control design for Arneodo chaotic system with state constraint. *JVC/Journal of Vibration and Control*, **2015**, 21, 1968-1975	2	
56	Adaptive NN tracking control of uncertain nonlinear discrete-time systems with nonaffine dead-zone input. *IEEE Transactions on Cybernetics*, **2015**, 45, 497-505	10.2	216

55	Adaptive fuzzy control for a class of unknown nonlinear dynamical systems. *Fuzzy Sets and Systems*, **2015**, 263, 49-70	3.7	143
54	The Spectral Radius for a Class of Double-Star-Like Tree Systems with Maximal Degree 4. *Mathematical Problems in Engineering*, **2015**, 2015, 1-6	1.1	2
53	Spanning 3-Ended Trees in Almost Claw-Free Graphs. *Discrete Dynamics in Nature and Society*, **2015**, 2015, 1-5	1.1	3
52	Co-Design of Event Generator and Dynamic Output Feedback Controller for LTI Systems. *Mathematical Problems in Engineering*, **2015**, 2015, 1-7	1.1	
51	Reinforcement learning design-based adaptive tracking control with less learning parameters for nonlinear discrete-time MIMO systems. *IEEE Transactions on Neural Networks and Learning Systems*, **2015**, 26, 165-76	10.3	173
50	Adaptive Fuzzy Identification and Control for a Class of Nonlinear Pure-Feedback MIMO Systems With Unknown Dead Zones. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 1387-1398	8.3	179
49	Adaptive fuzzy control with minimal leaning parameters for electric induction motors. *Neurocomputing*, **2015**, 156, 143-150	5.4	9
48	Adaptive Fuzzy Control for a Class of Nonlinear Discrete-Time Systems With Backlash. *IEEE Transactions on Fuzzy Systems*, **2014**, 22, 1359-1365	8.3	197
47	Fuzzy neural network-based adaptive control for a class of uncertain nonlinear stochastic systems. *IEEE Transactions on Cybernetics*, **2014**, 44, 583-93	10.2	382
46	Adaptive control for a class of nonlinear systems and application to hard disk drives. *JVC/Journal of Vibration and Control*, **2014**, 20, 153-160	2	6
45	Adaptive Consensus Control for a Class of Nonlinear Multiagent Time-Delay Systems Using Neural Networks. *IEEE Transactions on Neural Networks and Learning Systems*, **2014**, 25, 1217-1226	10.3	369
44	Adaptive neural network control of robot manipulator using reinforcement learning. *JVC/Journal of Vibration and Control*, **2014**, 20, 2162-2171	2	7
43	Adaptive near optimal neural control for a class of discrete-time chaotic system. *Neural Computing and Applications*, **2014**, 25, 1111-1117	4.8	2
42	A novel alleviating computation algorithm for a class of large-scale nonlinear systems with unknown dead-zones. *Nonlinear Dynamics*, **2014**, 76, 915-930	5	2
41	Adaptive fuzzy output feedback decentralized control of pure-feedback nonlinear large-scale systems. *International Journal of Robust and Nonlinear Control*, **2014**, 24, 930-954	3.6	23
40	Decentralised adaptive control of cooperating Robotic manipulators with disturbance observers. *IET Control Theory and Applications*, **2014**, 8, 515-521	2.5	33
39	Adaptive Fuzzy Robust Output Feedback Control of Nonlinear Systems With Unknown Dead Zones Based on a Small-Gain Approach. *IEEE Transactions on Fuzzy Systems*, **2014**, 22, 164-176	8.3	208
38	Adaptive neural control using reinforcement learning for a class of robot manipulator. *Neural Computing and Applications*, **2014**, 25, 135-141	4.8	38

37	Adaptive output feedback control for a class of nonlinear systems with full-state constraints. *International Journal of Control*, **2014**, 87, 281-290	1.5	85
36	Adaptive neural network tracking design for a class of uncertain nonlinear discrete-time systems with dead-zone. *Science China Information Sciences*, **2014**, 57, 1-12	3.4	26
35	Adaptive Intelligent Control for Continuous Stirred Tank Reactor with Output Constraint. *Lecture Notes in Computer Science*, **2014**, 385-392	0.9	
34	Adaptive Neural Network Control for a DC Motor System with Dead-Zone. *Nonlinear Dynamics*, **2013**, 72, 141-147	5	44
33	Intelligence computation based on adaptive tracking design for a class of non-linear discrete-time systems. *Neural Computing and Applications*, **2013**, 23, 1351-1357	4.8	3
32	Robust adaptive NN control for a class of uncertain discrete-time nonlinear MIMO systems. *Neural Computing and Applications*, **2013**, 22, 747-754	4.8	6
31	Adaptive Fuzzy Control via Observer Design for Uncertain Nonlinear Systems With Unmodeled Dynamics. *IEEE Transactions on Fuzzy Systems*, **2013**, 21, 275-288	8.3	248
30	Adaptive intelligence learning for nonlinear chaotic systems. *Nonlinear Dynamics*, **2013**, 73, 2103-2109	5	7
29	Output feedback stabilization based on dynamic surface control for a class of uncertain stochastic nonlinear systems. *Nonlinear Dynamics*, **2012**, 67, 683-694	5	17
28	Direct adaptive robust NN control for a class of discrete-time nonlinear strict-feedback SISO systems. *Neural Computing and Applications*, **2012**, 21, 1423-1431	4.8	15
27	Adaptive output feedback control of uncertain nonlinear systems based on dynamic surface control technique. *International Journal of Robust and Nonlinear Control*, **2012**, 22, 945-958	3.6	32
26	Observer-Based Adaptive Fuzzy Backstepping Control for a Class of Stochastic Nonlinear Strict-Feedback Systems. *IEEE Transactions on Systems, Man, and Cybernetics*, **2011**, 41, 1693-704		452
25	Adaptive fuzzy controller design with observer for a class of uncertain nonlinear MIMO systems. *Asian Journal of Control*, **2011**, 13, 868-877	1.7	15
24	Adaptive fuzzy output feedback control of uncertain nonlinear systems with nonsymmetric dead-zone input. *Nonlinear Dynamics*, **2011**, 63, 771-778	5	33
23	Decentralized control of uncertain nonlinear stochastic systems based on DSC. *Nonlinear Dynamics*, **2011**, 64, 305-314	5	16
22	Adaptive neural output feedback control of nonlinear discrete-time systems. *Nonlinear Dynamics*, **2011**, 65, 65-75	5	23
21	Adaptive fuzzy-neural tracking control for uncertain nonlinear discrete-time systems in the NARMAX form. *Nonlinear Dynamics*, **2011**, 66, 745-753	5	14
20	Adaptive neural output feedback controller design with reduced-order observer for a class of uncertain nonlinear SISO systems. *IEEE Transactions on Neural Networks*, **2011**, 22, 1328-34		194

19	Adaptive neural output feedback tracking control for a class of uncertain discrete-time nonlinear systems. *IEEE Transactions on Neural Networks*, **2011**, 22, 1162-7		295
18	Observer-based adaptive fuzzy tracking control for a class of uncertain nonlinear MIMO systems. *Fuzzy Sets and Systems*, **2011**, 164, 25-44	3.7	151
17	ROBUST ADAPTIVE FUZZY CONTROLLER DESIGN FOR A CLASS OF UNCERTAIN NONLINEAR TIME-DELAY SYSTEMS. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2011**, 19, 329-360	0.8	12
16	Adaptive Robust NN Control of Nonlinear Systems. *Lecture Notes in Computer Science*, **2011**, 535-541	0.9	1
15	Adaptive neural network tracking control for a class of non-linear systems. *International Journal of Systems Science*, **2010**, 41, 143-158	2.3	41
14	Robust Adaptive Tracking Control for Nonlinear Systems Based on Bounds of Fuzzy Approximation Parameters. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2010**, 40, 170-184		239
13	Adaptive fuzzy output-feedback control of uncertain SISO nonlinear systems. *Nonlinear Dynamics*, **2010**, 61, 749-761	5	21
12	Direct adaptive NN control for a class of discrete-time nonlinear strict-feedback systems. *Neurocomputing*, **2010**, 73, 2498-2505	5.4	37
11	Observer-based adaptive fuzzy-neural control for a class of uncertain nonlinear systems with unknown dead-zone input. *ISA Transactions*, **2010**, 49, 462-9	5.5	71
10	Combined adaptive fuzzy control for uncertain MIMO nonlinear systems **2009**,		4
9	Adaptive robust fuzzy control for a class of uncertain chaotic systems. *Nonlinear Dynamics*, **2009**, 57, 431-439	5	98
8	Adaptive fuzzy controller design of nonlinear systems with unknown gain sign. *Nonlinear Dynamics*, **2009**, 58, 687-695	5	41
7	Observer-based direct adaptive fuzzy control of uncertain nonlinear systems and its applications. *International Journal of Control, Automation and Systems*, **2009**, 7, 681-690	2.9	32
6	Adaptive fuzzy output tracking control for a class of uncertain nonlinear systems. *Fuzzy Sets and Systems*, **2009**, 160, 2727-2754	3.7	154
5	Direct adaptive fuzzy control for nonlinear systems with supervisory control performance **2009**,		2
4	Robust adaptive fuzzy tracking control for a class of MIMO systems: A minimal-learning-parameters algorithm **2009**,		2
3	Adaptive fuzzy tracking control for a class of uncertain nonlinear systems **2009**,		2
2	Adaptive Robust Fuzzy Control for a Class of Uncertain Nonlinear Systems in Pure-Feedback Form **2008**,		1

1	Adaptive fuzzy control for a class of uncertain nonaffine nonlinear systems. *Information Sciences*, **2007**, 177, 3901-3917	7.7	173