# Yan-Jun Liu

## List of Publications by Citations



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|---|---|---|---|
| 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 | Barrier Lyapunov functions for Nussbaum gain adaptive control of full state constrained nonlinear systems. *Automatica*, **2017**, 76, 143-152 | 5.7 | 527 |
| 179 | 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 |
| 178 | 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 |
| 177 | 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 |
| 176 | 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 |
| 175 | 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 |
| 174 | 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 |
| 173 | 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 |
| 172 | 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 |
| 171 | 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 |
| 170 | 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 |
| 169 | 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 |
| 168 | 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 |
| 167 | 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 |
| 166 | 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 |
| 165 | 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 |
| 164 | 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 |

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| 163 | 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 |
| 162 | Integral Barrier Lyapunov function-based adaptive control for switched nonlinear systems. *Science China Information Sciences*, **2020**, 63, 1 | 3.4 | 181 |
| 161 | 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 |
| 160 | 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 |
| 159 | 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 |
| 158 | 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 |
| 157 | Adaptive fuzzy control for a class of uncertain nonaffine nonlinear systems. *Information Sciences*, **2007**, 177, 3901-3917 | 7.7 | 173 |
| 156 | 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 |
| 155 | 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 |
| 154 | Neural Networks-Based Adaptive Control for Nonlinear State Constrained Systems With Input Delay. *IEEE Transactions on Cybernetics*, **2019**, 49, 1249-1258 | 10.2 | 164 |
| 153 | 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 |
| 152 | Adaptive fuzzy output tracking control for a class of uncertain nonlinear systems. *Fuzzy Sets and Systems*, **2009**, 160, 2727-2754 | 3.7 | 154 |
| 151 | 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 |
| 150 | Adaptive fuzzy control for a class of unknown nonlinear dynamical systems. *Fuzzy Sets and Systems*, **2015**, 263, 49-70 | 3.7 | 143 |
| 149 | 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 |
| 148 | Fuzzy-Based Multierror Constraint Control for Switched Nonlinear Systems and Its Applications. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 1519-1531 | 8.3 | 133 |
| 147 | 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 |
| 146 | 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 |

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| 145 | 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 |
| 144 | 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 |
| 143 | Model Identification and Control Design for a Humanoid Robot. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 45-57 | 7.3 | 98 |
| 142 | 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 |
| 141 | Adaptive robust fuzzy control for a class of uncertain chaotic systems. *Nonlinear Dynamics*, **2009**, 57, 431-439 | 5 | 98 |
| 140 | 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 |
| 139 | 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 |
| 138 | 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 |
| 137 | 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 |
| 136 | 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 |
| 135 | Formation Control With Obstacle Avoidance for a Class of Stochastic Multiagent Systems. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 5847-5855 | 8.9 | 90 |
| 134 | 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 |
| 133 | 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 |
| 132 | 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 |
| 131 | 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 |
| 130 | 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 |
| 129 | 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 |
| 128 | Neural network based adaptive event trigger control for a class of electromagnetic suspension systems. *Control Engineering Practice*, **2021**, 106, 104675 | 3.9 | 66 |

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| 127 | 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 |
| 126 | . *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2351-2362 | 7.3 | 64 |
| 125 | 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 |
| 124 | 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 |
| 123 | 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 |
| 122 | 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 |
| 121 | Time-varying IBLFs-based adaptive control of uncertain nonlinear systems with full state constraints. *Automatica*, **2021**, 129, 109595 | 5.7 | 52 |
| 120 | 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 |
| 119 | Finite-Time Convergence Adaptive Neural Network Control for Nonlinear Servo Systems. *IEEE Transactions on Cybernetics*, **2020**, 50, 2568-2579 | 10.2 | 49 |
| 118 | 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 |
| 117 | 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 |
| 116 | Adaptive Neural Network Control for a DC Motor System with Dead-Zone. *Nonlinear Dynamics*, **2013**, 72, 141-147 | 5 | 44 |
| 115 | Fuzzy tracking adaptive control of discrete-time switched nonlinear systems. *Fuzzy Sets and Systems*, **2017**, 316, 35-48 | 3.7 | 41 |
| 114 | Adaptive neural network tracking control for a class of non-linear systems. *International Journal of Systems Science*, **2010**, 41, 143-158 | 2.3 | 41 |
| 113 | Adaptive fuzzy controller design of nonlinear systems with unknown gain sign. *Nonlinear Dynamics*, **2009**, 58, 687-695 | 5 | 41 |
| 112 | Adaptive neural control using reinforcement learning for a class of robot manipulator. *Neural Computing and Applications*, **2014**, 25, 135-141 | 4.8 | 38 |
| 111 | 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 |
| 110 | Direct adaptive NN control for a class of discrete-time nonlinear strict-feedback systems. *Neurocomputing*, **2010**, 73, 2498-2505 | 5.4 | 37 |

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| 109 | 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 |
| 108 | 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 |
| 107 | Adaptive NN fault-tolerant control for discrete-time systems in triangular forms with actuator fault. *Neurocomputing*, **2015**, 152, 209-221 | 5.4 | 35 |
| 106 | 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 | 10.2 | 35 |
| 105 | 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 |
| 104 | Decentralised adaptive control of cooperating Robotic manipulators with disturbance observers. *IET Control Theory and Applications*, **2014**, 8, 515-521 | 2.5 | 33 |
| 103 | Adaptive fuzzy output feedback control of uncertain nonlinear systems with nonsymmetric dead-zone input. *Nonlinear Dynamics*, **2011**, 63, 771-778 | 5 | 33 |
| 102 | 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 |
| 101 | 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 |
| 100 | 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 |
| 99 | 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 |
| 98 | 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 |
| 97 | 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 |
| 96 | 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 |
| 95 | 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 |
| 94 | 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 |
| 93 | Adaptive neural output feedback control of nonlinear discrete-time systems. *Nonlinear Dynamics*, **2011**, 65, 65-75 | 5 | 23 |
| 92 | . *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 2511-2518 | 7.3 | 22 |

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| 91 | Adaptive fuzzy output-feedback control of uncertain SISO nonlinear systems. *Nonlinear Dynamics*, **2010**, 61, 749-761 | 5 | 21 |
| 90 | 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 |
| 89 | 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 |
| 88 | 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 |
| 87 | 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 |
| 86 | . *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 3191-3205 | 8.3 | 18 |
| 85 | Output feedback stabilization based on dynamic surface control for a class of uncertain stochastic nonlinear systems. *Nonlinear Dynamics*, **2012**, 67, 683-694 | 5 | 17 |
| 84 | Decentralized control of uncertain nonlinear stochastic systems based on DSC. *Nonlinear Dynamics*, **2011**, 64, 305-314 | 5 | 16 |
| 83 | 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 |
| 82 | 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 |
| 81 | Adaptive Decentralized Controller Design for a Class of Switched Interconnected Nonlinear Systems. *IEEE Transactions on Cybernetics*, **2020**, 50, 1644-1654 | 10.2 | 15 |
| 80 | Adaptive Fault-Tolerant Consensus Protocols for Multiagent Systems With Directed Graphs. *IEEE Transactions on Cybernetics*, **2020**, 50, 25-35 | 10.2 | 15 |
| 79 | Adaptive Fuzzy Output-Feedback Control for Switched Uncertain Nonlinear Systems With Full-State Constraints. *IEEE Transactions on Cybernetics*, **2021**, PP, | 10.2 | 15 |
| 78 | 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 |
| 77 | Adaptive fuzzy-neural tracking control for uncertain nonlinear discrete-time systems in the NARMAX form. *Nonlinear Dynamics*, **2011**, 66, 745-753 | 5 | 14 |
| 76 | 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 |
| 75 | Adaptive Finite-Time NN Control for 3-DOF Active Suspension Systems With Displacement Constraints. *IEEE Access*, **2019**, 7, 13577-13588 | 3.5 | 14 |
| 74 | 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 |

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| 73 | Adaptive Finite-Time Control for Half-Vehicle Active Suspension Systems With Uncertain Dynamics. *IEEE/ASME Transactions on Mechatronics*, **2020**, 1-1 | 5.5 | 11 |
| 72 | 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 |
| 71 | Adaptive control of a class of switched nonlinear discrete-time systems with unknown parameter. *Neurocomputing*, **2016**, 214, 1-6 | 5.4 | 11 |
| 70 | 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 |
| 69 | 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 |
| 68 | 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 |
| 67 | 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 |
| 66 | Adaptive fuzzy control with minimal leaning parameters for electric induction motors. *Neurocomputing*, **2015**, 156, 143-150 | 5.4 | 9 |
| 65 | 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 |
| 64 | 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 |
| 63 | Fully Adaptive-Gain-Based Intelligent Failure-Tolerant Control for Spacecraft Attitude Stabilization Under Actuator Saturation. *IEEE Transactions on Cybernetics*, **2020**, | 10.2 | 8 |
| 62 | 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 |
| 61 | 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 |
| 60 | 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 |
| 59 | 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 |
| 58 | Adaptive neural network control of robot manipulator using reinforcement learning. *JVC/Journal of Vibration and Control*, **2014**, 20, 2162-2171 | 2 | 7 |
| 57 | Adaptive intelligence learning for nonlinear chaotic systems. *Nonlinear Dynamics*, **2013**, 73, 2103-2109 | 5 | 7 |
| 56 | 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 |

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| 55 | Minimal learning parameters-based adaptive neural control for vehicle active suspensions with input saturation. *Neurocomputing*, **2020**, 396, 153-161 | 5.4 | 7 |
| 54 | 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 |
| 53 | Active contour model by combining edge and region information discrete dynamic systems. *Advances in Mechanical Engineering*, **2017**, 9, 168781401769294 | 1.2 | 6 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | Active Suspension Control of Quarter-Car System With Experimental Validation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-13 | 7.3 | 6 |
| 47 | Control of nonlinear systems with full state constraints using integral Barrier Lyapunov Functionals **2015**, | | 5 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | Combined adaptive fuzzy control for uncertain MIMO nonlinear systems **2009**, | | 4 |
| 40 | Hesitant Bipolar-Valued Fuzzy Soft Sets and Their Application in Decision Making. *Complexity*, **2020**, 2020, 1-12 | 1.6 | 4 |
| 39 | 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 |
| 38 | Adaptive Fault Tolerant Control of Active Suspension Systems With Time-Varying Displacement and Velocity Constraints. *IEEE Access*, **2020**, 8, 10847-10856 | 3.5 | 3 |

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| 37 | 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 |
| 36 | Spanning 3-Ended Trees in Almost Claw-Free Graphs. *Discrete Dynamics in Nature and Society*, **2015**, 2015, 1-5 | 1.1 | 3 |
| 35 | Performance Improvement of Active Suspension Constrained System via Neural Network Identification.. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, PP, | 10.3 | 3 |
| 34 | Distributed Formation Control of Multi-Robot Systems: A Fixed-Time Behavioral Approach **2020**, | | 3 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | Adaptive near optimal neural control for a class of discrete-time chaotic system. *Neural Computing and Applications*, **2014**, 25, 1111-1117 | 4.8 | 2 |
| 29 | 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 |
| 28 | 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 |
| 27 | Direct adaptive fuzzy control for nonlinear systems with supervisory control performance **2009**, | | 2 |
| 26 | Robust adaptive fuzzy tracking control for a class of MIMO systems: A minimal-learning-parameters algorithm **2009**, | | 2 |
| 25 | Adaptive fuzzy tracking control for a class of uncertain nonlinear systems **2009**, | | 2 |
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