# Hua-guang Zhang

List of Publications by Year
in descending order

| 341 papers | 20,322 citations | 13087 68 h-index | 13758 129 g-index |
| 341 all docs | 341 docs citations | 341 times ranked | 7620 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Adaptive Dynamic Programming: An Introduction. IEEE Computational Intelligence Magazine, 2009, 4, 39-47. | 3.4 | 711 |
| 2 | Neural-Network-Based Near-Optimal Control for a Class of Discrete-Time Affine Nonlinear Systems With Control Constraints. IEEE Transactions on Neural Networks, 2009, 20, 1490-1503. | 4.8 | 567 |
| 3 | Data-Driven Robust Approximate Optimal Tracking Control for Unknown General Nonlinear Systems Using Adaptive Dynamic Programming Method. IEEE Transactions on Neural Networks, 2011, 22, 2226-2236. | 4.8 | 534 |
| 4 | A Comprehensive Review of Stability Analysis of Continuous-Time Recurrent Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1229-1262. | 7.2 | 528 |
| 5 | A Novel Infinite-Time Optimal Tracking Control Scheme for a Class of Discrete-Time Nonlinear Systems via the Greedy HDP Iteration Algorithm. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 937-942. | 5.5 | 438 |
| 6 | Leader-Based Optimal Coordination Control for the Consensus Problem of Multiagent Differential Games via Fuzzy Adaptive Dynamic Programming. IEEE Transactions on Fuzzy Systems, 2015, 23, 152-163. | 6.5 | 421 |
| 7 | A Combined Backstepping and Small-Gain Approach to Robust Adaptive Fuzzy Output Feedback Control. IEEE Transactions on Fuzzy Systems, 2009, 17, 1059-1069. | 6.5 | 383 |
| 8 | Novel Weighting-Delay-Based Stability Criteria for Recurrent Neural Networks With Time-Varying Delay. IEEE Transactions on Neural Networks, 2010, 21, 91-106. | 4.8 | 383 |
| 9 | Near-Optimal Control for Nonzero-Sum Differential Games of Continuous-Time Nonlinear Systems Using Single-Network ADP. IEEE Transactions on Cybernetics, 2013, 43, 206-216. | 6.2 | 377 |
| 10 | An iterative adaptive dynamic programming method for solving a class of nonlinear zero-sum differential games. Automatica, 2011, 47, 207-214. | 3.0 | 373 |
| 11 | A Multiagent-Based Consensus Algorithm for Distributed Coordinated Control of Distributed Generators in the Energy Internet. IEEE Transactions on Smart Grid, 2015, 6, 3006-3019. | 6.2 | 352 |
| 12 | Robust Global Exponential Synchronization of Uncertain Chaotic Delayed Neural Networks via Dual-Stage Impulsive Control. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 831-844. | 5.5 | 343 |
| 13 | Neural-Network-Based Event-Triggered Adaptive Control of Nonaffine Nonlinear Multiagent Systems With Dynamic Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2239-2250. | 7.2 | 327 |
| 14 | Global Asymptotic Stability of Recurrent Neural Networks With Multiple Time-Varying Delays. IEEE Transactions on Neural Networks, 2008, 19, 855-873. | 4.8 | 313 |
| 15 | Data-Driven Optimal Consensus Control for Discrete-Time Multi-Agent Systems With Unknown Dynamics Using Reinforcement Learning Method. IEEE Transactions on Industrial Electronics, 2017, 64, 4091-4100. | 5.2 | 289 |
| 16 | Stability Analysis of Markovian Jumping Stochastic Cohen–Grossberg Neural Networks With Mixed Time Delays. IEEE Transactions on Neural Networks, 2008, 19, 366-370. | 4.8 | 278 |
| 17 | Distributed Cooperative Optimal Control for Multiagent Systems on Directed Graphs: An Inverse Optimal Approach. IEEE Transactions on Cybernetics, 2015, 45, 1315-1326. | 6.2 | 275 |
| 18 | Dynamic Event-Based Control of Nonlinear Stochastic Systems. IEEE Transactions on Automatic Control, 2017, 62, 6544-6551. | 3.6 | 263 |

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| 19 | Notice of Removal: Distributed Adaptive Virtual Impedance Control for Accurate Reactive Power Sharing Based on Consensus Control in Microgrids. IEEE Transactions on Smart Grid, 2017, 8, 1749-1761. | 6.2 | 248 |
| 20 | Control Synthesis of Discrete-Time Tâ€"S Fuzzy Systems via a Multi-Instant Homogenous Polynomial Approach. IEEE Transactions on Cybernetics, 2016, 46, 630-640. | 6.2 | 237 |
| 21 | T-S Fuzzy-Model-Based Robust $H_{infty}$ Design for Networked Control Systems With Uncertainties. IEEE Transactions on Industrial Informatics, 2007, 3, 289-301. | 7.2 | 227 |
| 22 | Distributed Optimal Energy Management for Energy Internet. IEEE Transactions on Industrial Informatics, 2017, 13, 3081-3097. | 7.2 | 213 |
| 23 | Online Adaptive Policy Learning Algorithm for $H_{infty}$ State Feedback Control of Unknown Affine Nonlinear Discrete-Time Systems. IEEE Transactions on Cybernetics, 2014, 44, 2706-2718. | 6.2 | 203 |
| 24 | Neural-Network-Based Constrained Optimal Control Scheme for Discrete-Time Switched Nonlinear System Using Dual Heuristic Programming. IEEE Transactions on Automation Science and Engineering, 2014, 11, 839-849. | 3.4 | 198 |
| 25 | Event-Triggered-Based Distributed Cooperative Energy Management for Multienergy Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 2008-2022. | 7.2 | 197 |
| 26 | Adaptive Dynamic Programming for Control. Communications and Control Engineering, 2013, , . | 1.0 | 192 |
| 27 | Adaptive Fault-Tolerant Tracking Control for MIMO Discrete-Time Systems via Reinforcement Learning Algorithm With Less Learning Parameters. IEEE Transactions on Automation Science and Engineering, 2017, 14, 299-313. | 3.4 | 191 |
| 28 | Off-Policy Actor-Critic Structure for Optimal Control of Unknown Systems With Disturbances. IEEE Transactions on Cybernetics, 2016, 46, 1041-1050. | 6.2 | 180 |
| 29 | Data-Driven Control for Interlinked AC/DC Microgrids Via Model-Free Adaptive Control and Dual-Droop Control. IEEE Transactions on Smart Grid, 2017, 8, 557-571. | 6.2 | 179 |
| 30 | Optimal Tracking Control for a Class of Nonlinear Discrete-Time Systems With Time Delays Based on Heuristic Dynamic Programming. IEEE Transactions on Neural Networks, 2011, 22, 1851-1862. | 4.8 | 172 |
| 31 | Relaxed Stability Conditions for Continuous-Time Tâ€"S Fuzzy-Control Systems Via Augmented Multi-Indexed Matrix Approach. IEEE Transactions on Fuzzy Systems, 2011, 19, 478-492. | 6.5 | 170 |
| 32 | Delay-Dependent Guaranteed Cost Control for Uncertain Stochastic Fuzzy Systems With Multiple Time Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 126-140. | 5.5 | 160 |
| 33 | Observer-Based Finite-Time Adaptive Fuzzy Control for Nontriangular Nonlinear Systems With Full-State Constraints. IEEE Transactions on Cybernetics, 2021, 51, 1110-1120. | 6.2 | 151 |
| 34 | Networked Synchronization Control of Coupled Dynamic Networks With Time-Varying Delay. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 1468-1479. | 5.5 | 148 |
| 35 | Fault Estimation and Fault-Tolerant Control for Switched Fuzzy Stochastic Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 2993-3003. | 6.5 | 139 |
| 36 | Neural Observer and Adaptive Neural Control Design for a Class of Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4261-4271. | 7.2 | 129 |

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| 37 | Hybrid Three-Phase/Single-Phase Microgrid Architecture With Power Management Capabilities. IEEE Transactions on Power Electronics, 2015, 30, 5964-5977. | 5.4 | 128 |
| 38 | Optimal Control for Unknown Discrete-Time Nonlinear Markov Jump Systems Using Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2141-2155. | 7.2 | 126 |
| 39 | Adaptive Dynamic Programming for a Class of Complex-Valued Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1733-1739. | 7.2 | 125 |
| 40 | Multiple Actor-Critic Structures for Continuous-Time Optimal Control Using Input-Output Data. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 851-865. | 7.2 | 125 |
| 41 | A Small-Sample Wind Turbine Fault Detection Method With Synthetic Fault Data Using Generative Adversarial Nets. IEEE Transactions on Industrial Informatics, 2019, 15, 3877-3888. | 7.2 | 123 |
| 42 | Distributed Optimal Consensus Control for Nonlinear Multiagent System With Unknown Dynamic. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3339-3348. | 7.2 | 121 |
| 43 | Adaptive Bipartite Event-Triggered Output Consensus of Heterogeneous Linear Multiagent Systems Under Fixed and Switching Topologies. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4816-4830. | 7.2 | 118 |
| 44 | LMI-Based Approach for Global Asymptotic Stability Analysis of Recurrent Neural Networks with Various Delays and Structures. IEEE Transactions on Neural Networks, 2011, 22, 1032-1045. | 4.8 | 114 |
| 45 | Bipartite Fixed-Time Output Consensus of Heterogeneous Linear Multiagent Systems. IEEE Transactions on Cybernetics, 2021, 51, 548-557. | 6.2 | 112 |
| 46 | Distributed Optimal Economic Dispatch for Microgrids Considering Communication Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1634-1642. | 5.9 | 110 |
| 47 | Consensus-Based Distributed Economic Dispatch Control Method in Power Systems. IEEE Transactions on Smart Grid, 2019, 10, 941-954. | 6.2 | 107 |
| 48 | An Estimation Method of Defect Size From MFL Image Using Visual Transformation Convolutional Neural Network. IEEE Transactions on Industrial Informatics, 2019, 15, 213-224. | 7.2 | 107 |
| 49 | Fault-Tolerant Control for Stochastic Switched IT2 Fuzzy Uncertain Time-Delayed Nonlinear Systems. IEEE Transactions on Cybernetics, 2022, 52, 1335-1346. | 6.2 | 107 |
| 50 | A Novel Energy Function-Based Stability Evaluation and Nonlinear Control Approach for Energy Internet. IEEE Transactions on Smart Grid, 2017, 8, 1195-1210. | 6.2 | 105 |
| 51 | Optimal Output Regulation for Heterogeneous Multiagent Systems via Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 18-29. | 7.2 | 105 |
| 52 | Double-Mode Energy Management for Multi-Energy System via Distributed Dynamic Event-Triggered Newton-Raphson Algorithm. IEEE Transactions on Smart Grid, 2020, 11, 5339-5356. | 6.2 | 105 |
| 53 | Fuzzy Observer-Based Repetitive Tracking Control for Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2020, 28, 2401-2415. | 6.5 | 97 |
| 54 | Exponential Stabilization of Memristive Neural Networks via Saturating Sampled-Data Control. IEEE Transactions on Cybernetics, 2017, 47, 3027-3039. | 6.2 | 95 |

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| 55 | Discrete-Time Nonzero-Sum Games for Multiplayer Using Policy-Iteration-Based Adaptive Dynamic Programming Algorithms. IEEE Transactions on Cybernetics, 2017, 47, 3331-3340. | 6.2 | 94 |
| 56 | Command Filter Based Adaptive Fuzzy Finite-Time Control for a Class of Uncertain Nonlinear Systems With Hysteresis. IEEE Transactions on Fuzzy Systems, 2021, 29, 2553-2564. | 6.5 | 94 |
| 57 | An Overview of Research on Adaptive Dynamic Programming. Zidonghua Xuebao/Acta Automatica Sinica, 2013, 39, 303-311. | 1.5 | 92 |
| 58 | Induction Motors Fault Diagnosis Using Finite Element Method: A Review. IEEE Transactions on Industry Applications, 2020, 56, 1205-1217. | 3.3 | 90 |
| 59 | Fault Estimation Observer Design for Discrete-Time Takagi–Sugeno Fuzzy Systems Based on Homogenous Polynomially Parameter-Dependent Lyapunov Functions. IEEE Transactions on Cybernetics, 2017, 47, 2504-2513. | 6.2 | 88 |
| 60 | Fault-Tolerant Control of a Nonlinear System Based on Generalized Fuzzy Hyperbolic Model and Adaptive Disturbance Observer. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2289-2300. | 5.9 | 88 |
| 61 | Consensus-Based Distributed Cooperative Learning From Closed-Loop Neural Control Systems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 331-345. | 7.2 | 86 |
| 62 | Event-Based Distributed Active Power Sharing Control for Interconnected AC and DC Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 6815-6828. | 6.2 | 86 |
| 63 | Fault-Tolerant Controller Design for a Class of Nonlinear MIMO Discrete-Time Systems via Online Reinforcement Learning Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 611-622. | 5.9 | 85 |
| 64 | Stability of Recurrent Neural Networks With Time-Varying Delay via Flexible Terminal Method. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2456-2463. | 7.2 | 85 |
| 65 | Adaptive Fuzzy Fault-Tolerant Tracking Control for Partially Unknown Systems With Actuator Faults via Integral Reinforcement Learning Method. IEEE Transactions on Fuzzy Systems, 2019, 27, 1986-1998. | 6.5 | 83 |
| 66 | A Distributed Double-Newton Descent Algorithm for Cooperative Energy Management of Multiple Energy Bodies in Energy Internet. IEEE Transactions on Industrial Informatics, 2021, 17, 5993-6003. | 7.2 | 83 |
| 67 | Robust state/fault estimation and fault tolerant control for T–S fuzzy systems with sensor and actuator faults. Journal of the Franklin Institute, 2016, 353, 615-641. | 1.9 | 82 |
| 68 | Event-Driven Guaranteed Cost Control Design for Nonlinear Systems With Actuator Faults via Reinforcement Learning Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4135-4150. | 5.9 | 82 |
| 69 | Stability Analysis of T–S Fuzzy Control Systems by Using Set Theory. IEEE Transactions on Fuzzy Systems, 2015, 23, 827-841. | 6.5 | 73 |
| 70 | Robust Optimal Control Scheme for Unknown Constrained-Input Nonlinear Systems via a Plug-n-Play Event-Sampled Critic-Only Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3169-3180. | 5.9 | 70 |
| 71 | Adaptive Predefined Performance Control for MIMO Systems With Unknown Direction via Generalized Fuzzy Hyperbolic Model. IEEE Transactions on Fuzzy Systems, 2017, 25, 527-542. | 6.5 | 69 |
| 72 | Robust Fault Detection for Switched Fuzzy Systems With Unknown Input. IEEE Transactions on Cybernetics, 2018, 48, 3056-3066. | 6.2 | 69 |

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| 73 | An enhanced input-delay approach to sampled-data stabilization of T–S fuzzy systems via mixed convex combination. Nonlinear Dynamics, 2014, 75, 501-512. | 2.7 | 67 |
| 74 | Sampled-Data Synchronization Analysis of Markovian Neural Networks With Generally Incomplete Transition Rates. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 740-752. | 7.2 | 66 |
| 75 | Event-Triggered Adaptive Dynamic Programming for Non-Zero-Sum Games of Unknown Nonlinear Systems via Generalized Fuzzy Hyperbolic Models. IEEE Transactions on Fuzzy Systems, 2019, 27, 2202-2214. | 6.5 | 66 |
| 76 | LQR-Based Optimal Distributed Cooperative Design for Linear Discrete-Time Multiagent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 599-611. | 7.2 | 65 |
| 77 | Event-Triggered Stabilization of Neural Networks With Time-Varying Switching Gains and Input Saturation. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5045-5056. | 7.2 | 65 |
| 78 | Quasi-Synchronization of Delayed Memristive Neural Networks via Region-Partitioning-Dependent Intermittent Control. IEEE Transactions on Cybernetics, 2019, 49, 4066-4077. | 6.2 | 64 |
| 79 | A Distributed Robust Economic Dispatch Strategy for Integrated Energy System Considering Cyber-Attacks. IEEE Transactions on Industrial Informatics, 2022, 18, 880-890. | 7.2 | 64 |
| 80 | Leader-follower consensus control for linear multi-agent systems by fully distributed edge-event-triggered adaptive strategies. Information Sciences, 2021, 555, 314-338. | 4.0 | 63 |
| 81 | Disturbance observer based fault estimation and dynamic output feedback fault tolerant control for fuzzy systems with local nonlinear models. ISA Transactions, 2015, 59, 114-124. | 3.1 | 61 |
| 82 | Fault Diagnosis Method of Joint Fisher Discriminant Analysis Based on the Local and Global Manifold Learning and Its Kernel Version. IEEE Transactions on Automation Science and Engineering, 2016, 13, 122-133. | 3.4 | 61 |
| 83 | Event-Triggered Integral Sliding-Mode Control for Nonlinear Constrained-Input Systems With Disturbances via Adaptive Dynamic Programming. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4086-4096. | 5.9 | 61 |
| 84 | Novel Zero-Voltage and Zero-Current Switching (ZVZCS) PWM Three-Level DC/DC Converter Using Output Coupled Inductor. IEEE Transactions on Power Electronics, 2014, 29, 1082-1093. | 5.4 | 59 |
| 85 | &lt;inline-formula&gt; &lt;tex-math notation="LaTeX"&gt;$H_\infty$ &lt;/tex-math&gt; &lt;/inline-formula&gt; Consensus for Linear Heterogeneous Multiagent Systems Based on Event-Triggered Output Feedback Control Scheme. IEEE Transactions on Cybernetics, 2019, 49, 2268-2279. | 6.2 | 59 |
| 86 | Neural-Network-Based Robust Control Schemes for Nonlinear Multiplayer Systems With Uncertainties via Adaptive Dynamic Programming. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 579-588. | 5.9 | 58 |
| 87 | Distributed cooperative output regulation of heterogeneous linear multi-agent systems based on event- and self-triggered control with undirected topology. ISA Transactions, 2020, 99, 191-198. | 3.1 | 58 |
| 88 | Leader-Following Consensus for a Class of Nonlinear Multiagent Systems Under Event-Triggered and Edge-Event Triggered Mechanisms. IEEE Transactions on Cybernetics, 2022, 52, 7643-7654. | 6.2 | 58 |
| 89 | Iterative ADP learning algorithms for discrete-time multi-player games. Artificial Intelligence Review, 2018, 50, 75-91. | 9.7 | 57 |
| 90 | Finite-Time Stabilization for Discontinuous Interconnected Delayed Systems via Interval Type-2 T–S Fuzzy Model Approach. IEEE Transactions on Fuzzy Systems, 2019, 27, 249-261. | 6.5 | 56 |

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| 91 | A Hierarchical Event Detection Method Based on Spectral Theory of Multidimensional Matrix for Power System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2173-2186. | 5.9 | 56 |
| 92 | 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. | 7.2 | 55 |
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| 95 | Robust non-fragile proportional plus derivative state feedback control for a class of uncertain Takagiâ€"Sugeno fuzzy singular systems. Journal of the Franklin Institute, 2019, 356, 6208-6225. | 1.9 | 53 |
| 96 | Distributed Bipartite Consensus of Linear Multiagent Systems Based on Event-Triggered Output Feedback Control Scheme. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6743-6756. | 5.9 | 53 |
| 97 | Decentralized Event-Triggered Adaptive Control of Discrete-Time Nonzero-Sum Games Over Wireless Sensor-Actuator Networks With Input Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4254-4266. | 7.2 | 52 |
| 98 | Sampled-Data Synchronization of Markovian Coupled Neural Networks With Mode Delays Based on Mode-Dependent LKF. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2626-2637. | 7.2 | 50 |
| 99 | A Diagnosis Algorithm for Multiple Open-Circuited Faults of Microgrid Inverters Based on Main Fault Component Analysis. IEEE Transactions on Energy Conversion, 2018, 33, 925-937. | 3.7 | 50 |
| 100 | Model-free optimal control design for a class of linear discrete-time systems with multiple delays using adaptive dynamic programming. Neurocomputing, 2014, 135, 163-170. | 3.5 | 49 |
| 101 | New Results on Stability and Stabilization of Networked Control Systems With Short Time-Varying Delay. IEEE Transactions on Cybernetics, 2016, 46, 2772-2781. | 6.2 | 49 |
| 102 | A tnGAN-Based Leak Detection Method for Pipeline Network Considering Incomplete Sensor Data. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10. | 2.4 | 49 |
| 103 | Decentralized adaptive tracking control scheme for nonlinear large-scale interconnected systems via adaptive dynamic programming. Neurocomputing, 2017, 225, 1-10. | 3.5 | 48 |
| 104 | Multiple Open-Circuit Fault Diagnosis Based on Multistate Data Processing and Subsection Fluctuation Analysis for Photovoltaic Inverter. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 516-526. | 2.4 | 48 |
| 105 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si9.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="script">H</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž</mml:mi></mml:mrow></mml:msub><mml:math> state estimation for memristive neural networks with time-varying delays: The discrete-time case. Neural Networks, 2016, 84, 47-56. | 8.3 | 47 |
| 106 | Stability Analysis of Neural Networks With Two Delay Components Based on Dynamic Delay Interval Method. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 259-267. | 7.2 | 47 |
| 107 | Sensor Fault Estimation of Switched Fuzzy Systems with Unknown Input. IEEE Transactions on Fuzzy Systems, 2017, , 1-1. | 6.5 | 47 |
| 108 | Hybrid Fuzzy Adaptive Fault-Tolerant Control for a Class of Uncertain Nonlinear Systems With Unmeasured States. IEEE Transactions on Fuzzy Systems, 2017, 25, 1041-1050. | 6.5 | 47 |

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| 109 | Quick Reconstruction of Arbitrary Pipeline Defect Profiles From MFL Measurements Employing Modified Harmony Search Algorithm. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2200-2213. | 2.4 | 47 |
| 110 | Integral reinforcement learning based decentralized optimal tracking control of unknown nonlinear large-scale interconnected systems with constrained-input. Neurocomputing, 2019, 323, 1-11. | 3.5 | 47 |
| 111 | Adaptive Bipartite Fixed-Time Time-Varying Output Formation-Containment Tracking of Heterogeneous Linear Multiagent Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4688-4698. | 7.2 | 46 |
| 112 | Dataâ€driven optimal tracking control for a class of affine nonâ€linear continuousâ€time systems with completely unknown dynamics. IET Control Theory and Applications, 2016, 10, 700-710. | 1.2 | 45 |
| 113 | Data-Based Adaptive Dynamic Programming for a Class of Discrete-Time Systems With Multiple Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 432-441. | 5.9 | 45 |
| 114 | Discrete-Time Non-Zero-Sum Games With Completely Unknown Dynamics. IEEE Transactions on Cybernetics, 2021, 51, 2929-2943. | 6.2 | 45 |
| 115 | Adaptive NN fault-tolerant control for discrete-time systems in triangular forms with actuator fault. Neurocomputing, 2015, 152, 209-221. | 3.5 | 44 |
| 116 | Neural network-based online $H_\infty$ control for discrete-time affine nonlinear system using adaptive dynamic programming. Neurocomputing, 2016, 198, 91-99. | 3.5 | 44 |
| 117 | Event-Triggered Control of Nonlinear Discrete-Time System With Unknown Dynamics Based on HDP($\lambda$). IEEE Transactions on Cybernetics, 2022, 52, 6046-6058. | 6.2 | 44 |
| 118 | Adaptive critic design-based robust neural network control for nonlinear distributed parameter systems with unknown dynamics. Neurocomputing, 2015, 148, 200-208. | 3.5 | 43 |
| 119 | Finite-Time Synchronization of Coupled Hierarchical Hybrid Neural Networks With Time-Varying Delays. IEEE Transactions on Cybernetics, 2017, 47, 2995-3004. | 6.2 | 43 |
| 120 | Cooperative Bipartite Containment Control for Multiagent Systems Based on Adaptive Distributed Observer. IEEE Transactions on Cybernetics, 2022, 52, 5432-5440. | 6.2 | 43 |
| 121 | Online optimal control of unknown discrete-time nonlinear systems by using time-based adaptive dynamic programming. Neurocomputing, 2015, 165, 163-170. | 3.5 | 42 |
| 122 | Dynamic output feedback-based fault-tolerant control design for T-S fuzzy systems with model uncertainties. ISA Transactions, 2018, 81, 32-45. | 3.1 | 42 |
| 123 | Event-Triggered Adaptive Tracking Control for Random Systems With Coexisting Parametric Uncertainties and Severe Nonlinearities. IEEE Transactions on Automatic Control, 2022, 67, 2011-2018. | 3.6 | 42 |
| 124 | Homogenous Polynomially Parameter-Dependent $H_{\infty}$ Filter Designs of Discrete-Time Fuzzy Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1313-1322. | 5.5 | 41 |
| 125 | Antiâ€disturbance control for nonlinear system via adaptive disturbance observer. International Journal of Robust and Nonlinear Control, 2017, 27, 2121-2144. | 2.1 | 41 |
| 126 | Observer-based $H_\infty$ fuzzy control for modified repetitive control systems. Neurocomputing, 2018, 286, 141-149. | 3.5 | 41 |

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| 127 | Identification method for a class of periodic discrete-time dynamic nonlinear systems based on Sinusoidal ESN. Neurocomputing, 2018, 275, 1511-1521. | 3.5 | 41 |
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| 129 | Integral reinforcement learning-based online adaptive event-triggered control for non-zero-sum games of partially unknown nonlinear systems. Neurocomputing, 2020, 377, 243-255. | 3.5 | 41 |
| 130 | Accurate Current Sharing and Voltage Regulation in Hybrid Wind/Solar Systems: An Adaptive Dynamic Programming Approach. IEEE Transactions on Consumer Electronics, 2022, 68, 261-272. | 3.0 | 41 |
| 131 | $H_\infty$ Tracking Control of Discrete-Time System With Delays via Data-Based Adaptive Dynamic Programming. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4078-4085. | 5.9 | 40 |
| 132 | Novel Switching Jumps Dependent Exponential Synchronization Criteria for Memristor-Based Neural Networks. Neural Processing Letters, 2017, 45, 15-28. | 2.0 | 39 |
| 133 | $H_\infty$ control with constrained input for completely unknown nonlinear systems using data-driven reinforcement learning method. Neurocomputing, 2017, 237, 226-234. | 3.5 | 39 |
| 134 | Tracking control optimization scheme of continuous-time nonlinear system via online single network adaptive critic design method. Neurocomputing, 2017, 251, 127-135. | 3.5 | 39 |
| 135 | Decentralized Tracking Optimization Control for Partially Unknown Fuzzy Interconnected Systems via Reinforcement Learning Method. IEEE Transactions on Fuzzy Systems, 2021, 29, 917-926. | 6.5 | 39 |
| 136 | Stability criterion for delayed neural networks via Wirtinger-based multiple integral inequality. Neurocomputing, 2016, 214, 53-60. | 3.5 | 38 |
| 137 | Dissipativity-Based Fault Detection for Uncertain Switched Fuzzy Systems With Unmeasurable Premise Variables. IEEE Transactions on Fuzzy Systems, 2019, 27, 2421-2432. | 6.5 | 38 |
| 138 | Fixed-time time-varying formation tracking for nonlinear multi-agent systems under event-triggered mechanism. Information Sciences, 2021, 564, 45-70. | 4.0 | 38 |
| 139 | Online finite-horizon optimal learning algorithm for nonzero-sum games with partially unknown dynamics and constrained inputs. Neurocomputing, 2016, 185, 37-44. | 3.5 | 37 |
| 140 | ADP based optimal tracking control for a class of linear discrete-time system with multiple delays. Journal of the Franklin Institute, 2016, 353, 2117-2136. | 1.9 | 36 |
| 141 | Data-Based Adaptive Fault Estimation and Fault-Tolerant Control for MIMO Model-Free Systems Using Generalized Fuzzy Hyperbolic Model. IEEE Transactions on Fuzzy Systems, 2018, 26, 3191-3205. | 6.5 | 36 |
| 142 | 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. | 5.9 | 36 |
| 143 | Decentralized Event-Triggered Online Adaptive Control of Unknown Large-Scale Systems Over Wireless Communication Networks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4907-4919. | 7.2 | 36 |
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