# Junfei Qiao

## List of Publications by Year in descending order

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| 247 | 6,946 | 46636 | 75178 |
|---|---|---|---|
| papers | citations | 47 h-index | 75 g-index |

| 255 | 255 | 255 | 6627 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Adaptive NN Controller of Nonlinear State-Dependent Constrained Systems With Unknown Control Direction. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 913-922. | 12.6 | 12 |
| 2 | Adaptive Neural Fixed-Time Tracking Control for High-Order Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 708-717. | 12.6 | 63 |
| 3 | Asymmetric Constrained Optimal Tracking Control With Critic Learning of Nonlinear Multiplayer Zero-Sum Games. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 5671-5683. | 12.6 | 15 |
| 4 | Tree Broad Learning System for Small Data Modeling. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 8909-8923. | 12.6 | 4 |
| 5 | Event-Triggered Adaptive Model Predictive Control of Oxygen Content for Municipal Solid Waste Incineration Process. IEEE Transactions on Automation Science and Engineering, 2024, 21, 463-474. | 5.7 | 5 |
| 6 | Nonsingular Gradient Descent Algorithm for Interval Type-2 Fuzzy Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 8176-8189. | 12.6 | 1 |
| 7 | Advanced Optimal Tracking Control With Stability Guarantee via Novel Value Learning Formulation. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 8254-8265. | 12.6 | 1 |
| 8 | Multi-Objective Integrated Robust Optimal Control for Wastewater Treatment Processes. IEEE Transactions on Automation Science and Engineering, 2024, 21, 1380-1391. | 5.7 | 2 |
| 9 | Interval Type-2 Fuzzy Neural Network Based on Active Semi-Supervised Learning for Non-Stationary Industrial Processes. IEEE Transactions on Automation Science and Engineering, 2024, 21, 1151-1162. | 5.7 | 4 |
| 10 | Convergence and Stability of Optimal Regulation via Generalized $N$-Step Value Gradient Learning. IEEE Transactions on Neural Networks and Learning Systems, 2024, , 1-12. | 12.6 | 0 |
| 11 | Neural Network-Based Adaptive Tracking Control for Denitrification and Aeration Processes With Time Delays. IEEE Transactions on Neural Networks and Learning Systems, 2024, , 1-11. | 12.6 | 4 |
| 12 | Data-Driven Robust Adaptive Control With Deep Learning for Wastewater Treatment Process. IEEE Transactions on Industrial Informatics, 2024, 20, 149-157. | 12.1 | 7 |
| 13 | Online Measurement of Dioxin Emission in Solid Waste Incineration Using Fuzzy Broad Learning. IEEE Transactions on Industrial Informatics, 2024, 20, 358-368. | 12.1 | 5 |
| 14 | Cooperative Event-Triggered Fuzzy-Neural Multivariable Control With Multitask Learning for Municipal Solid Waste Incineration Process. IEEE Transactions on Industrial Informatics, 2024, 20, 765-774. | 12.1 | 2 |
| 15 | Double-Closed-Loop Robust Optimal Control for Uncertain Nonlinear Systems. IEEE Transactions on Cybernetics, 2024, 54, 2332-2344. | 10.1 | 1 |
| 16 | Robust Self-Constructing Fuzzy Neural Network-Based Online Estimation for Industrial Product Quality. IEEE Transactions on Industrial Informatics, 2024, 20, 2213-2222. | 12.1 | 1 |
| 17 | Adaptive Critic Control Design With Knowledge Transfer for Wastewater Treatment Applications. IEEE Transactions on Industrial Informatics, 2024, 20, 1488-1497. | 12.1 | 19 |
| 18 | Offline Data-Driven Adaptive Critic Design With Variational Inference for Wastewater Treatment Process Control. IEEE Transactions on Automation Science and Engineering, 2024, , 1-12. | 5.7 | 0 |

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| 19 | Event-Triggered Online Learning Fuzzy-Neural Robust Control for Furnace Temperature in Municipal Solid Waste Incineration Process. IEEE Transactions on Automation Science and Engineering, 2024, 21, 1201-1213. | 5.7 | 2 |
| 20 | Self-Organizing Fuzzy Terminal Sliding Mode Control for Wastewater Treatment Processes. IEEE Transactions on Automation Science and Engineering, 2024, , 1-13. | 5.7 | 0 |
| 21 | Adaptive Critic Tracking Design for Data-Based Nonaffine Predictive Control. IEEE Transactions on Automation Science and Engineering, 2024, , 1-12. | 5.7 | 0 |
| 22 | Multi-condition operational optimization with adaptive knowledge transfer for municipal solid waste incineration process. Expert Systems With Applications, 2024, 238, 121783. | 7.9 | 2 |
| 23 | NOx emissions prediction for MSWI process based on dynamic modular neural network. Expert Systems With Applications, 2024, 238, 122015. | 7.9 | 0 |
| 24 | Self-Organizing Robust Fuzzy Neural Network for Nonlinear System Modeling. IEEE Transactions on Neural Networks and Learning Systems, 2024, , 1-13. | 12.6 | 0 |
| 25 | Action-Dependent Heuristic Dynamic Programming With Experience Replay for Wastewater Treatment Processes. IEEE Transactions on Industrial Informatics, 2024, 20, 6257-6265. | 12.1 | 2 |
| 26 | Multi-task stochastic configuration network with autonomous linking and its application in wastewater treatment processes. Information Sciences, 2024, 662, 120195. | 7.2 | 0 |
| 27 | Dynamic System Modeling Using a Multisource Transfer Learning-Based Modular Neural Network for Industrial Application. IEEE Transactions on Industrial Informatics, 2024, 20, 7173-7182. | 12.1 | 0 |
| 28 | Hybrid Simulator-Based Mechanism and Data-Driven for Multidemand Dioxin Emissions Intelligent Prediction in the MSWI Process. IEEE Transactions on Industrial Electronics, 2024, 71, 13221-13231. | 8.2 | 0 |
| 29 | Reinforcement learning control with n-step information for wastewater treatment systems. Engineering Applications of Artificial Intelligence, 2024, 133, 108033. | 8.3 | 0 |
| 30 | Data-Driven Robust Multimodal Multiobjective Particle Swarm Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2024, 54, 3231-3243. | 9.7 | 0 |
| 31 | Mechanism-Data-Driven Multiobjective Optimization for Wastewater Treatment Process. IEEE Transactions on Industrial Informatics, 2024, 20, 7810-7819. | 12.1 | 0 |
| 32 | Loup y es-tuâ€¯?. VST - Vie Sociale Et Traitements, 2024, NÂ° 161, 134-135. | 0.0 | 0 |
| 33 | An adaptive evolutionary modular neural network with intermodule connections. Applied Intelligence, 2024, 54, 4121-4139. | 5.6 | 0 |
| 34 | Stabilizing value iteration Q-learning for online evolving control of discrete-time nonlinear systems. Nonlinear Dynamics, 2024, 112, 9137-9153. | 5.3 | 0 |
| 35 | Neurodynamics-Driven Prediction Model for State Evolution of Coastal Water Quality. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-9. | 4.7 | 0 |
| 36 | Advanced optimal tracking integrating a neural critic technique for asymmetric constrained zero-sum games. Neural Networks, 2024, 177, 106388. | 6.4 | 0 |

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| 37 | A Fast Feedforward Small-World Neural Network for Nonlinear System Modeling. IEEE Transactions on Neural Networks and Learning Systems, 2024, , 1-13. | 12.6 | 0 |
| 38 | Resilient Output Synchronization of Heterogeneous Multiagent Systems With DoS Attacks Under Distributed Event-/Self-Triggered Control. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1169-1178. | 12.6 | 22 |
| 39 | Adaptive Critic for Event-Triggered Unknown Nonlinear Optimal Tracking Design With Wastewater Treatment Applications. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6276-6288. | 12.6 | 30 |
| 40 | Self-Organizing Interval Type-2 Fuzzy Neural Network Using Information Aggregation Method. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6428-6442. | 12.6 | 12 |
| 41 | Deterministic Learning-Based Adaptive Neural Control for Nonlinear Full-State Constrained Systems. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5002-5011. | 12.6 | 108 |
| 42 | System Stability of Learning-Based Linear Optimal Control With General Discounted Value Iteration. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6504-6514. | 12.6 | 34 |
| 43 | Piecewise Sliding-Mode Control for Sludge Bulking Under Multiple Operating Conditions. IEEE Transactions on Industrial Informatics, 2023, 19, 2876-2885. | 12.1 | 3 |
| 44 | Stability and Admissibility Analysis for Zero-Sum Games Under General Value Iteration Formulation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8707-8718. | 12.6 | 13 |
| 45 | An online adjusting RBF neural network for nonlinear system modeling. Applied Intelligence, 2023, 53, 440-453. | 5.6 | 8 |
| 46 | Event-Driven Model Predictive Control With Deep Learning for Wastewater Treatment Process. IEEE Transactions on Industrial Informatics, 2023, 19, 6398-6407. | 12.1 | 18 |
| 47 | Robust Optimal Control for Wastewater Treatment Process With Uncertain Time Delays. IEEE Transactions on Industrial Informatics, 2023, 19, 5785-5796. | 12.1 | 11 |
| 48 | Evolving and Incremental Value Iteration Schemes for Nonlinear Discrete-Time Zero-Sum Games. IEEE Transactions on Cybernetics, 2023, 53, 4487-4499. | 10.1 | 18 |
| 49 | Consensus of MASs With Input and Communication Delays by Predictor-Based Protocol. IEEE Transactions on Cybernetics, 2023, 53, 7126-7135. | 10.1 | 7 |
| 50 | Design of Broad Learning-Based Self-Healing Predictive Control for Sludge Bulking in Wastewater Treatment Process. IEEE Transactions on Industrial Informatics, 2023, 19, 6220-6233. | 12.1 | 4 |
| 51 | Multiobjective Integrated Optimal Control for Nonlinear Systems. IEEE Transactions on Cybernetics, 2023, 53, 7712-7722. | 10.1 | 3 |
| 52 | Knowledge-Aided and Data-Driven Fuzzy Decision Making for Sludge Bulking. IEEE Transactions on Fuzzy Systems, 2023, 31, 1189-1201. | 10.5 | 6 |
| 53 | Security Control of Sampled-Data Tâ€“S Fuzzy Systems Subject to Cyberattacks and Successive Packet Losses. IEEE Transactions on Fuzzy Systems, 2023, 31, 1178-1188. | 10.5 | 14 |
| 54 | Data-Driven Multimodel Predictive Control for Multirate Sampled-Data Nonlinear Systems. IEEE Transactions on Automation Science and Engineering, 2023, 20, 2182-2194. | 5.7 | 10 |

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| 55 | Dual Event-Triggered Constrained Control Through Adaptive Critic for Discrete-Time Zero-Sum Games. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 1584-1595. | 9.7 | 56 |
| 56 | Online-Growing Neural Network Control for Dissolved Oxygen Concentration. IEEE Transactions on Industrial Informatics, 2023, 19, 6794-6803. | 12.1 | 8 |
| 57 | Off-Policy Model-Free Learning for Multi-Player Non-Zero-Sum Games With Constrained Inputs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2023, 70, 910-920. | 5.8 | 5 |
| 58 | Self-Organizing Interval Type-2 Fuzzy Neural Network With Adaptive Discriminative Strategy. IEEE Transactions on Fuzzy Systems, 2023, 31, 1925-1939. | 10.5 | 3 |
| 59 | Dynamic Fuzzy Boundary Output Feedback Control for Nonlinear Delayed Parabolic Partial Differential Equation Systems Under Noncollocated Boundary Measurement. IEEE Transactions on Fuzzy Systems, 2023, 31, 2006-2017. | 10.5 | 7 |
| 60 | Takagiâ€“Sugeno Fuzzy Regression Trees With Application to Complex Industrial Modeling. IEEE Transactions on Fuzzy Systems, 2023, 31, 2210-2224. | 10.5 | 4 |
| 61 | Self-organizing pipelined recurrent wavelet neural network for time series prediction. Expert Systems With Applications, 2023, 214, 119215. | 7.9 | 2 |
| 62 | Discounted Near-Optimal Control of Affine Systems via a Progressive Cost Evolution Formulation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 1535-1539. | 3.2 | 3 |
| 63 | A Multitask Learning Model for the Prediction of NOx Emissions in Municipal Solid Waste Incineration Processes. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-14. | 4.7 | 1 |
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| 65 | Event-triggered constrained neural critic control of nonlinear continuous-time multiplayer nonzero-sum games. Information Sciences, 2023, 631, 412-428. | 7.2 | 10 |
| 66 | Dynamic modeling of multi-input and multi-output controlled object for municipal solid waste incineration process. Applied Energy, 2023, 339, 120982. | 10.3 | 1 |
| 67 | Adaptive critic design for nonlinear multi-player zero-sum games with unknown dynamics and control constraints. Nonlinear Dynamics, 2023, 111, 11671-11683. | 5.3 | 10 |
| 68 | A Comprehensively Improved Interval Type-2 Fuzzy Neural Network for NOx Emissions Prediction in MSWI Process. IEEE Transactions on Industrial Informatics, 2023, 19, 11286-11297. | 12.1 | 4 |
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| 70 | Iterative Learning Model Predictive Control With Fuzzy Neural Network for Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2023, 31, 3220-3234. | 10.5 | 4 |
| 71 | AKUPRESUR SEBAGAI ALTERNATIF UNTUK MENGURANGI NYERI PASIEN KANKER SERVIKS: STUDI KASUS. Jurnal Persatuan Perawat Nasional Indonesia (JPPNI), 2023, 7, . | 0.1 | 0 |
| 72 | Multitask Particle Swarm Optimization With Dynamic Transformation. IEEE Transactions on Emerging Topics in Computing, 2023, 11, 749-763. | 4.9 | 1 |

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| 73 | Traffic models of periodic event-triggered quantized control systems. Nonlinear Analysis: Hybrid Systems, 2023, 49, 101370. | 3.6 | 2 |
| 74 | Evolving Deep Delay Echo State Network for Effluent NH<sub>4</sub>-N Prediction in Wastewater Treatment Plants. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-12. | 4.7 | 3 |
| 75 | A self-organizing fuzzy neural network with hybrid learning algorithm for nonlinear system modeling. Information Sciences, 2023, 642, 119145. | 7.2 | 6 |
| 76 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si11.svg"><mml:msub><mml:mi>H</mml:mi><mml:mi>â^ž</mml:mi></mml:msub></mml:math> fuzzy intermittent boundary control for nonlinear parabolic distributed parameter systems. Journal of the Franklin Institute, 2023, 360, 8008-8036. | 3.7 | 7 |
| 77 | A self-organizing modular neural network based on empirical mode decomposition with sliding window for time series prediction. Applied Soft Computing Journal, 2023, 145, 110559. | 7.4 | 5 |
| 78 | Time-series prediction using a regularized self-organizing long short-term memory neural network. Applied Soft Computing Journal, 2023, 145, 110553. | 7.4 | 2 |
| 79 | Secure Consensus of Multiagent Systems With DoS Attacks via Fully Distributed Dynamic Event-Triggered Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 6588-6597. | 9.7 | 11 |
| 80 | Visible Emission Line Spectroscopy of the Solar Corona During the 2019 Total Solar Eclipse. Solar Physics, 2023, 298, . | 2.6 | 1 |
| 81 | Novel Discounted Optimal Tracking Design Under Offline and Online Formulations for Asymmetric Constrained Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 6886-6896. | 9.7 | 0 |
| 82 | Periodic Event-Triggered CACC and Communication Co-design for Vehicle Platooning. ACM Transactions on Cyber-Physical Systems, 2023, 7, 1-19. | 2.6 | 0 |
| 83 | Adaptive multi-objective competitive swarm optimization algorithm based on kinematic analysis for municipal solid waste incineration. Applied Soft Computing Journal, 2023, 149, 110925. | 7.4 | 4 |
| 84 | Successful start-up of a novel integrated denitrifying phosphorus removal and partial denitrification coupled with anammox process for simultaneous nitrogen and phosphorus removal with fully ordinary suspended sludge. Chemical Engineering Journal, 2023, 477, 147227. | 13.0 | 3 |
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| 86 | Industry 4.0 Enabled Smart Manufacturing: Unleashing the Power of Artificial Intelligence and Blockchain. , 2023, , . | | 1 |
| 87 | An Approximate Neuro-Optimal Solution of Discounted Guaranteed Cost Control Design. IEEE Transactions on Cybernetics, 2022, 52, 77-86. | 10.1 | 92 |
| 88 | How Deep Is Deep Enough for Deep Belief Network for Approximating Model Predictive Control Law. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2067-2078. | 5.7 | 6 |
| 89 | NOx Emissions Prediction With a Brain-Inspired Modular Neural Network in Municipal Solid Waste Incineration Processes. IEEE Transactions on Industrial Informatics, 2022, 18, 4622-4631. | 12.1 | 30 |
| 90 | Online and Self-Learning Approach to the Identification of Fuzzy Neural Networks. IEEE Transactions on Fuzzy Systems, 2022, 30, 649-662. | 10.5 | 10 |

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| 91 | Artificial neural networks for water quality soft-sensing in wastewater treatment: a review. Artificial Intelligence Review, 2022, 55, 565-587. | 16.1 | 85 |
| 92 | Adaptive critic optimization to decentralized eventâ€triggered control of continuousâ€time nonlinear interconnected systems. Optimal Control Applications and Methods, 2022, 43, 198-212. | 2.2 | 13 |
| 93 | An Efficient Self-Organizing Deep Fuzzy Neural Network for Nonlinear System Modeling. IEEE Transactions on Fuzzy Systems, 2022, 30, 2170-2182. | 10.5 | 27 |
| 94 | Observer-Based Adaptive Fuzzy Control for Nonlinear State-Constrained Systems Without Involving Feasibility Conditions. IEEE Transactions on Cybernetics, 2022, 52, 11724-11733. | 10.1 | 24 |
| 95 | Policy Gradient Adaptive Critic Design With Dynamic Prioritized Experience Replay for Wastewater Treatment Process Control. IEEE Transactions on Industrial Informatics, 2022, 18, 3150-3158. | 12.1 | 44 |
| 96 | The optimal design and application of LSTM neural network based on the hybrid coding PSO algorithm. Journal of Supercomputing, 2022, 78, 7227-7259. | 3.7 | 13 |
| 97 | Emotional Neural Network Based on Improved CLPSO Algorithm For Time Series Prediction. Neural Processing Letters, 2022, 54, 1131-1154. | 3.3 | 6 |
| 98 | Secure Consensus of Multiagent Systems With Input Saturation and Distributed Multiple DoS Attacks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2246-2250. | 3.2 | 11 |
| 99 | Active Vision for Deep Visual Learning: A Unified Pooling Framework. IEEE Transactions on Industrial Informatics, 2022, 18, 6610-6618. | 12.1 | 4 |
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| 101 | Dynamic Transfer Reference Point-Oriented MOEA/D Involving Local Objective-Space Knowledge. IEEE Transactions on Evolutionary Computation, 2022, 26, 542-554. | 11.4 | 23 |
| 102 | External validation of a pediatric decision rule for blunt abdominal trauma. Journal of the American College of Emergency Physicians Open, 2022, 3, e12623. | 0.8 | 4 |
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| 105 | Air Pollution Prediction in Mass Rallies With a New Temporally-Weighted Sample-Based Multitask Learner. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15. | 4.7 | 8 |
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| 107 | Multi-objective model predictive control with gradient eigenvector algorithm. Information Sciences, 2022, 601, 114-128. | 7.2 | 11 |
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| 109 | Periodic decentralized event-triggered control for nonlinear systems with asynchronous update and dynamic quantization. Nonlinear Dynamics, 2022, 109, 877-890. | 5.3 | 5 |
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| 111 | Design of a modular neural network based on an improved soft subspace clustering algorithm. Expert Systems With Applications, 2022, 209, 118219. | 7.9 | 8 |
| 112 | MIMO modeling and multi-loop control based on neural network for municipal solid waste incineration. Control Engineering Practice, 2022, 127, 105280. | 5.7 | 14 |
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| 115 | Noticing of Preservice Teachers, In-Service Teachers, and School Principals: Evidence From an Eye-Tracking Study. , 2022, , . | | 0 |
| 116 | Rendezvous of Heterogeneous Multiagent Systems With Nonuniform Time-Varying Information Delays: An Adaptive Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4848-4857. | 9.7 | 16 |
| 117 | Deep Learning-Based Model Predictive Control for Continuous Stirred-Tank Reactor System. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3643-3652. | 12.6 | 67 |
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| 121 | Fixed-Time Cooperative Relay Tracking in Multiagent Surveillance Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 487-496. | 9.7 | 16 |
| 122 | Design of sparse Bayesian echo state network for time series prediction. Neural Computing and Applications, 2021, 33, 7089-7102. | 5.7 | 9 |
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| 124 | Ventricular tachycardia originating from the crux of the heart treated with ablation within the cardiac venous system in a 12-year-old patient. Journal of Interventional Cardiac Electrophysiology, 2021, 60, 557-558. | 1.4 | 1 |
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| 128 | Heilige und die Urologie. Der Urologe, 2021, 60, 361-367. | 0.4 | 1 |
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| 137 | Prediction of Oxygen Content Using Weighted PCA and Improved LSTM Network in MSWI Process. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12. | 4.7 | 16 |
| 138 | Model-Free Off-Policy Iterative Adaptive Dynamic Programming for Nitrate-Nitrogen Concentration Control. , 2021, , . | | 0 |
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| 141 | Sparse LSTM neural network with hybrid PSO algorithm. , 2021, , . | | 0 |
| 142 | PENGARUH INDEKS MASSA TUBUH TERHADAP INDEKS LENGKUNG TELAPAK KAKI MAHASISWA DAN MAHASISWI FK UISU. Jurnal Kedokteran Ibnu Nafis, 2021, 10, 93-100. | 0.0 | 0 |
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| 144 | Multiscale Natural Scene Statistical Analysis for No-Reference Quality Evaluation of DIBR-Synthesized Views. IEEE Transactions on Broadcasting, 2020, 66, 127-139. | 3.7 | 62 |

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| 150 | Self-Learning Optimal Regulation for Discrete-Time Nonlinear Systems Under Event-Driven Formulation. IEEE Transactions on Automatic Control, 2020, 65, 1272-1279. | 6.0 | 160 |
| 151 | Data-Knowledge-Based Fuzzy Neural Network for Nonlinear System Identification. IEEE Transactions on Fuzzy Systems, 2020, 28, 2209-2221. | 10.5 | 35 |
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