

Chengjin Qin

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,608
citations

201575

27
h-index

302012

39
g-index

48
all docs

48
docs citations

48
times ranked

937
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A hierarchical method based on weighted extreme gradient boosting in ECG heartbeat classification. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 171, 1-10. | 2.6 | 98 |
| 2 | Domain Adaptive Motor Fault Diagnosis Using Deep Transfer Learning. <i>IEEE Access</i> , 2019, 7, 80937-80949. | 2.6 | 93 |
| 3 | Precise cutterhead torque prediction for shield tunneling machines using a novel hybrid deep neural network. <i>Mechanical Systems and Signal Processing</i> , 2021, 151, 107386. | 4.4 | 87 |
| 4 | Actual bearing compound fault diagnosis based on active learning and decoupling attentional residual network. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108500. | 2.5 | 85 |
| 5 | Multi-domain modeling of atrial fibrillation detection with twin attentional convolutional long short-term memory neural networks. <i>Knowledge-Based Systems</i> , 2020, 193, 105460. | 4.0 | 72 |
| 6 | A high-precision arrhythmia classification method based on dual fully connected neural network. <i>Biomedical Signal Processing and Control</i> , 2020, 58, 101874. | 3.5 | 68 |
| 7 | A VMD-EWT-LSTM-based multi-step prediction approach for shield tunneling machine cutterhead torque. <i>Knowledge-Based Systems</i> , 2021, 228, 107213. | 4.0 | 68 |
| 8 | A novel Chebyshev-wavelet-based approach for accurate and fast prediction of milling stability. <i>Precision Engineering</i> , 2020, 62, 244-255. | 1.8 | 66 |
| 9 | Automated heartbeat classification based on deep neural network with multiple input layers. <i>Knowledge-Based Systems</i> , 2020, 188, 105036. | 4.0 | 63 |
| 10 | Transfer learning with convolutional neural networks for small sample size problem in machinery fault diagnosis. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 5131-5143. | 1.1 | 61 |
| 11 | DTCNNMI: A deep twin convolutional neural networks with multi-domain inputs for strongly noisy diesel engine misfire detection. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 180, 109548. | 2.5 | 60 |
| 12 | An adaptive hierarchical decomposition-based method for multi-step cutterhead torque forecast of shield machine. <i>Mechanical Systems and Signal Processing</i> , 2022, 175, 109148. | 4.4 | 50 |
| 13 | Timely chatter identification for robotic drilling using a local maximum synchrosqueezing-based method. <i>Journal of Intelligent Manufacturing</i> , 2020, 31, 1243-1255. | 4.4 | 48 |
| 14 | A novel Domain Adaptive Residual Network for automatic Atrial Fibrillation Detection. <i>Knowledge-Based Systems</i> , 2020, 203, 106122. | 4.0 | 44 |
| 15 | An Adams-Moulton-based method for stability prediction of milling processes. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 89, 3049-3058. | 1.5 | 41 |
| 16 | An incremental learning system for atrial fibrillation detection based on transfer learning and active learning. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 187, 105219. | 2.6 | 41 |
| 17 | Unsupervised machine fault diagnosis for noisy domain adaptation using marginal denoising autoencoder based on acoustic signals. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 176, 109186. | 2.5 | 40 |
| 18 | An accurate and adaptative cutterhead torque prediction method for shield tunneling machines via adaptative residual long-short term memory network. <i>Mechanical Systems and Signal Processing</i> , 2022, 165, 108312. | 4.4 | 40 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A novel constrained dense convolutional autoencoder and DNN-based semi-supervised method for shield machine tunnel geological formation recognition. <i>Mechanical Systems and Signal Processing</i> , 2022, 165, 108353. | 4.4 | 40 |
| 20 | A pre-generated matrix-based method for real-time robotic drilling chatter monitoring. <i>Chinese Journal of Aeronautics</i> , 2019, 32, 2755-2764. | 2.8 | 37 |
| 21 | A field parameters-based method for real-time wear estimation of disc cutter on TBM cutterhead. <i>Automation in Construction</i> , 2021, 124, 103603. | 4.8 | 37 |
| 22 | Concentrated velocity synchronous linear chirplet transform with application to robotic drilling chatter monitoring. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 194, 111090. | 2.5 | 37 |
| 23 | Intelligent Fault Diagnosis of Diesel Engines via Extreme Gradient Boosting and High-Accuracy Time-Frequency Information of Vibration Signals. <i>Sensors</i> , 2019, 19, 3280. | 2.1 | 32 |
| 24 | A synchroextracting-based method for early chatter identification of robotic drilling process. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 273-285. | 1.5 | 32 |
| 25 | Stability analysis for milling operations using an Adams-Simpson-based method. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 969-979. | 1.5 | 31 |
| 26 | A novel stability prediction method for milling operations using the holistic-interpolation scheme. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 4463-4475. | 1.1 | 30 |
| 27 | A predictor-corrector-based holistic-discretization method for accurate and efficient milling stability analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 2043-2054. | 1.5 | 27 |
| 28 | Fault Diagnosis of Induction Motors Using Recurrence Quantification Analysis and LSTM with Weighted BN. <i>Shock and Vibration</i> , 2019, 2019, 1-14. | 0.3 | 26 |
| 29 | Self-attention-based adaptive remaining useful life prediction for IGBT with Monte Carlo dropout. <i>Knowledge-Based Systems</i> , 2022, 239, 107902. | 4.0 | 24 |
| 30 | Unsupervised deep representation learning for motor fault diagnosis by mutual information maximization. <i>Journal of Intelligent Manufacturing</i> , 2021, 32, 377-391. | 4.4 | 16 |
| 31 | Rock mass type prediction for tunnel boring machine using a novel semi-supervised method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 179, 109545. | 2.5 | 16 |
| 32 | TScatNet: An Interpretable Cross-Domain Intelligent Diagnosis Model With Antinoise and Few-Shot Learning Capability. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-10. | 2.4 | 14 |
| 33 | A Novel Interpretable Method Based on Dual-Level Attentional Deep Neural Network for Actual Multilabel Arrhythmia Detection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-11. | 2.4 | 14 |
| 34 | Chatter detection in robotic drilling operations combining multi-synchrosqueezing transform and energy entropy. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 2879-2890. | 1.5 | 11 |
| 35 | A Multi-Physics Modeling-Based Vibration Prediction Method for Switched Reluctance Motors. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4544. | 1.3 | 10 |
| 36 | A Novel Incremental and Interactive Method for Actual Heartbeat Classification With Limited Additional Labeled Samples. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-12. | 2.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Precise and efficient heartbeat classification using a novel lightweight-modified method. Biomedical Signal Processing and Control, 2021, 68, 102771. | 3.5 | 10 |
| 38 | Milling Stability Prediction with Multiple Delays via the Extended Adams-Moulton-Based Method. Mathematical Problems in Engineering, 2017, 2017, 1-15. | 0.6 | 8 |
| 39 | An efficient neural network-based method for patient-specific information involved arrhythmia detection. Knowledge-Based Systems, 2022, 250, 109021. | 4.0 | 7 |
| 40 | A novel approach for the acquisition of vibration signals of the end effector in robotic drilling. , 2016, , . | | 5 |
| 41 | Optimization and Control of Cable Tensions for Hyper-redundant Snake-arm Robots. International Journal of Control, Automation and Systems, 2021, 19, 3764-3775. | 1.6 | 4 |
| 42 | Accurate and efficient stability prediction for milling operations using the Legendre-Chebyshev-based method. International Journal of Advanced Manufacturing Technology, 2020, 107, 247-258. | 1.5 | 2 |
| 43 | A Novel A-CNN Method for TBM Utilization Factor Estimation. Journal of Physics: Conference Series, 2021, 2002, 012049. | 0.3 | 2 |
| 44 | Health Assessment for Crane Pumps based on Vehicle Tests using Deep Autoencoder and Metric Learning. , 2019, , . | | 1 |
| 45 | Design of Precise Detection System for Wheat Seeding Quantity Based on AD7746 Analog to Digital Conversion Chip. , 2018, , . | | 0 |
| 46 | Fast Machine Fault Diagnosis Using Marginalized Denoising Autoencoders Based on Acoustic Signal. , 2020, , . | | 0 |
| 47 | A Legendre wavelet-based stability prediction method for high-speed milling processes. International Journal of Advanced Manufacturing Technology, 2020, 108, 2397-2408. | 1.5 | 0 |
| 48 | Dynamics Modeling and Bifurcation Analysis for Valve-Controlled Hydraulic Cylinder System Containing Counterbalance Valves. Journal of Vibration Engineering and Technologies, 0, , 1. | 1.3 | 0 |