

# Chengjin Qin

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,608  
citations

201385

27  
h-index

301761

39  
g-index

48  
all docs

48  
docs citations

48  
times ranked

937  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	An efficient neural network-based method for patient-specific information involved arrhythmia detection. <i>Knowledge-Based Systems</i> , 2022, 250, 109021.	4.0	7
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Precise and efficient heartbeat classification using a novel lightweight-modified method. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102771.	3.5	10
17	A Novel A-CNN Method for TBM Utilization Factor Estimation. <i>Journal of Physics: Conference Series</i> , 2021, 2002, 012049.	0.3	2
18	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

#	ARTICLE	IF	CITATIONS
19	Optimization and Control of Cable Tensions for Hyper-redundant Snake-arm Robots. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 3764-3775.	1.6	4
20	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
21	Automated heartbeat classification based on deep neural network with multiple input layers. <i>Knowledge-Based Systems</i> , 2020, 188, 105036.	4.0	63
22	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
23	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
24	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
25	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
26	Fast Machine Fault Diagnosis Using Marginalized Denoising Autoencoders Based on Acoustic Signal. , 2020, , .		0
27	A Legendre wavelet-based stability prediction method for high-speed milling processes. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 2397-2408.	1.5	0
28	A novel Domain Adaptive Residual Network for automatic Atrial Fibrillation Detection. <i>Knowledge-Based Systems</i> , 2020, 203, 106122.	4.0	44
29	Accurate and efficient stability prediction for milling operations using the Legendre-Chebyshev-based method. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 247-258.	1.5	2
30	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
31	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
32	Domain Adaptive Motor Fault Diagnosis Using Deep Transfer Learning. <i>IEEE Access</i> , 2019, 7, 80937-80949.	2.6	93
33	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
34	Health Assessment for Crane Pumps based on Vehicle Tests using Deep Autoencoder and Metric Learning. , 2019, , .		1
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Transfer learning with convolutional neural networks for small sample size problem in machinery fault diagnosis. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 5131-5143.	1.1	61
38	A hierarchical method based on weighted extreme gradient boosting in ECG heartbeat classification. Computer Methods and Programs in Biomedicine, 2019, 171, 1-10.	2.6	98
39	Fault Diagnosis of Induction Motors Using Recurrence Quantification Analysis and LSTM with Weighted BN. Shock and Vibration, 2019, 2019, 1-14.	0.3	26
40	A Multi-Physics Modeling-Based Vibration Prediction Method for Switched Reluctance Motors. Applied Sciences (Switzerland), 2019, 9, 4544.	1.3	10
41	A synchroextracting-based method for early chatter identification of robotic drilling process. International Journal of Advanced Manufacturing Technology, 2019, 100, 273-285.	1.5	32
42	A predictor-corrector-based holistic-discretization method for accurate and efficient milling stability analysis. International Journal of Advanced Manufacturing Technology, 2018, 96, 2043-2054.	1.5	27
43	Design of Precise Detection System for Wheat Seeding Quantity Based on AD7746 Analog to Digital Conversion Chip. , 2018, , .		0
44	Stability analysis for milling operations using an Adams-Simpson-based method. International Journal of Advanced Manufacturing Technology, 2017, 92, 969-979.	1.5	31
45	An Adams-Moulton-based method for stability prediction of milling processes. International Journal of Advanced Manufacturing Technology, 2017, 89, 3049-3058.	1.5	41
46	Milling Stability Prediction with Multiple Delays via the Extended Adams-Moulton-Based Method. Mathematical Problems in Engineering, 2017, 2017, 1-15.	0.6	8
47	A novel approach for the acquisition of vibration signals of the end effector in robotic drilling. , 2016, , .		5
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