

Jong-Myon Kim

List of Publications by Year in descending order

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208
papers

5,181
citations

101384

36
h-index

118652

62
g-index

216
all docs

216
docs citations

216
times ranked

3754
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Time-frequency envelope analysis-based sub-band selection and probabilistic support vector machines for multi-fault diagnosis of low-speed bearings. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2024, 15, 1527-1542. | 3.3 | 19 |
| 2 | Strict-Feedback Backstepping Digital Twin and Machine Learning Solution in AE Signals for Bearing Crack Identification. <i>Sensors</i> , 2022, 22, 539. | 2.1 | 11 |
| 3 | Transfer Learning with 2D Vibration Images for Fault Diagnosis of Bearings Under Variable Speed. <i>Lecture Notes in Networks and Systems</i> , 2022, , 154-164. | 0.5 | 0 |
| 4 | A Method for Pipeline Leak Detection Based on Acoustic Imaging and Deep Learning. <i>Sensors</i> , 2022, 22, 1562. | 2.1 | 25 |
| 5 | Intelligent rubbing fault identification using multivariate signals and a multivariate one-dimensional convolutional neural network. <i>Expert Systems With Applications</i> , 2022, 198, 116868. | 4.4 | 10 |
| 6 | Bearing Fault Diagnosis Using Multidomain Fusion-Based Vibration Imaging and Multitask Learning. <i>Sensors</i> , 2022, 22, 56. | 2.1 | 21 |
| 7 | Multistage Centrifugal Pump Fault Diagnosis Using Informative Ratio Principal Component Analysis. <i>Sensors</i> , 2022, 22, 179. | 2.1 | 20 |
| 8 | GMM-Aided DNN Bearing Fault Diagnosis Using Sparse Autoencoder Feature Extraction. <i>Lecture Notes in Computer Science</i> , 2022, , 555-564. | 1.0 | 0 |
| 9 | A Deep-Learning-Based Health Indicator Constructor Using Kullback-Leibler Divergence for Predicting the Remaining Useful Life of Concrete Structures. <i>Sensors</i> , 2022, 22, 3687. | 2.1 | 9 |
| 10 | Gearbox Fault Identification Model Using an Adaptive Noise Canceling Technique, Heterogeneous Feature Extraction, and Distance Ratio Principal Component Analysis. <i>Sensors</i> , 2022, 22, 4091. | 2.1 | 1 |
| 11 | A Hybrid Leak Localization Approach Using Acoustic Emission for Industrial Pipelines. <i>Sensors</i> , 2022, 22, 3963. | 2.1 | 11 |
| 12 | A Bearing Fault Classification Framework Based on Image Encoding Techniques and a Convolutional Neural Network under Different Operating Conditions. <i>Sensors</i> , 2022, 22, 4881. | 2.1 | 12 |
| 13 | Bearing Crack Diagnosis Using a Smooth Sliding Digital Twin to Overcome Fluctuations Arising in Unknown Conditions. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6770. | 1.3 | 4 |
| 14 | Hybrid Rubbing Fault Identification Using a Deep Learning-Based Observation Technique. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 5144-5155. | 7.2 | 9 |
| 15 | A novel pipeline leak detection approach independent of prior failure information. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 167, 108284. | 2.5 | 36 |
| 16 | Multi-sensor fusion-based time-frequency imaging and transfer learning for spherical tank crack diagnosis under variable pressure conditions. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 168, 108478. | 2.5 | 31 |
| 17 | Crack detection and localization in a fluid pipeline based on acoustic emission signals. <i>Mechanical Systems and Signal Processing</i> , 2021, 150, 107254. | 4.4 | 35 |
| 18 | Efficient Fault Diagnosis of Rolling Bearings Using Neural Network Architecture Search and Sharing Weights. <i>IEEE Access</i> , 2021, 9, 98800-98811. | 2.6 | 16 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | Real-Time Leak Detection for a Gas Pipeline Using a k-NN Classifier and Hybrid AE Features. <i>Sensors</i> , 2021, 21, 367. | 2.1 | 22 |
| 20 | Improving Bearing Diagnostic Performance by Using New Discriminatory Fault-Feature Evaluation. <i>Springer Proceedings in Physics</i> , 2021, , 115-125. | 0.1 | 0 |
| 21 | A Fault Diagnosis Framework for Centrifugal Pumps by Scalogram-Based Imaging and Deep Learning. <i>IEEE Access</i> , 2021, 9, 58052-58066. | 2.6 | 28 |
| 22 | Health State Classification of a Spherical Tank Using a Hybrid Bag of Features and k-Nearest Neighbor. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 235-241. | 0.3 | 0 |
| 23 | Deep Learning-Based Adaptive Neural-Fuzzy Structure Scheme for Bearing Fault Pattern Recognition and Crack Size Identification. <i>Sensors</i> , 2021, 21, 2102. | 2.1 | 5 |
| 24 | Health Indicators Construction and Remaining Useful Life Estimation for Concrete Structures Using Deep Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4113. | 1.3 | 4 |
| 25 | Bearing Fault Classification Using Ensemble Empirical Mode Decomposition and Convolutional Neural Network. <i>Electronics (Switzerland)</i> , 2021, 10, 1248. | 1.8 | 31 |
| 26 | Bearing Anomaly Recognition Using an Intelligent Digital Twin Integrated with Machine Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4602. | 1.3 | 36 |
| 27 | An Explainable AI-Based Fault Diagnosis Model for Bearings. <i>Sensors</i> , 2021, 21, 4070. | 2.1 | 29 |
| 28 | Crack Size Identification for Bearings Using an Adaptive Digital Twin. <i>Sensors</i> , 2021, 21, 5009. | 2.1 | 13 |
| 29 | Gearbox Fault Identification Framework Based on Novel Localized Adaptive Denoising Technique, Wavelet-Based Vibration Imaging, and Deep Convolutional Neural Network. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7575. | 1.3 | 11 |
| 30 | 2D CNN-Based Multi-Output Diagnosis for Compound Bearing Faults under Variable Rotational Speeds. <i>Machines</i> , 2021, 9, 199. | 1.2 | 24 |
| 31 | Data-driven prognostic scheme for rolling-element bearings using a new health index and variants of least-square support vector machines. <i>Mechanical Systems and Signal Processing</i> , 2021, 160, 107853. | 4.4 | 36 |
| 32 | Fault Identification of Multi-level Gear Defects Using Adaptive Noise Control and a Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2021, , 325-335. | 1.0 | 0 |
| 33 | Global and Local Feature Extraction Using a Convolutional Autoencoder and Neural Networks for Diagnosing Centrifugal Pump Mechanical Faults. <i>IEEE Access</i> , 2021, 9, 65838-65854. | 2.6 | 17 |
| 34 | A Lightweight Deep Learning-Based Approach for Concrete Crack Characterization Using Acoustic Emission Signals. <i>IEEE Access</i> , 2021, 9, 104029-104050. | 2.6 | 5 |
| 35 | Construction of a Sensitive and Speed Invariant Gearbox Fault Diagnosis Model Using an Incorporated Utilizing Adaptive Noise Control and a Stacked Sparse Autoencoder-Based Deep Neural Network. <i>Sensors</i> , 2021, 21, 18. | 2.1 | 19 |
| 36 | Novel Bearing Fault Diagnosis Using Gaussian Mixture Model-Based Fault Band Selection. <i>Sensors</i> , 2021, 21, 6579. | 2.1 | 23 |

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|----|--|-----|-----------|
| 37 | A Novel Hybrid Deep Learning Method for Fault Diagnosis of Rotating Machinery Based on Extended WDCNN and Long Short-Term Memory. <i>Sensors</i> , 2021, 21, 6614. | 2.1 | 17 |
| 38 | A Novel Framework for Centrifugal Pump Fault Diagnosis by Selecting Fault Characteristic Coefficients of Walsh Transform and Cosine Linear Discriminant Analysis. <i>IEEE Access</i> , 2021, 9, 150128-150141. | 2.6 | 11 |
| 39 | A Scheme with Acoustic Emission Hit Removal for the Remaining Useful Life Prediction of Concrete Structures. <i>Sensors</i> , 2021, 21, 7761. | 2.1 | 10 |
| 40 | Comparative Analysis of Continuous Wavelet Transforms on Vibration signal in Bearing Fault Diagnosis of Induction Motor. , 2021, , . | | 4 |
| 41 | A Comprehensive Survey on Deep-Learning-Based Breast Cancer Diagnosis. <i>Cancers</i> , 2021, 13, 6116. | 1.7 | 34 |
| 42 | A Deep Autoencoder-Based Convolution Neural Network Framework for Bearing Fault Classification in Induction Motors. <i>Sensors</i> , 2021, 21, 8453. | 2.1 | 22 |
| 43 | A Novel Pipeline Leak Detection Technique Based on Acoustic Emission Features and Two-Sample Kolmogorov-Smirnov Test. <i>Sensors</i> , 2021, 21, 8247. | 2.1 | 7 |
| 44 | An Improved Gas Classification Technique Using New Features and Support Vector Machines. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 158-166. | 0.5 | 0 |
| 45 | Fault Diagnosis of Rotary Machine Bearings Under Inconsistent Working Conditions. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 3334-3347. | 2.4 | 53 |
| 46 | Leak localization in industrial-fluid pipelines based on acoustic emission burst monitoring. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 151, 107150. | 2.5 | 29 |
| 47 | Blade Rub-Impact Fault Identification Using Autoencoder-Based Nonlinear Function Approximation and a Deep Neural Network. <i>Sensors</i> , 2020, 20, 6265. | 2.1 | 7 |
| 48 | Bearing Fault Classification of Induction Motors Using Discrete Wavelet Transform and Ensemble Machine Learning Algorithms. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5251. | 1.3 | 64 |
| 49 | Intelligent Fault Diagnosis Method Using Acoustic Emission Signals for Bearings under Complex Working Conditions. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7068. | 1.3 | 24 |
| 50 | An Acoustic Emission Technique for Crack Modes Classification in Concrete Structures. <i>Sustainability</i> , 2020, 12, 6724. | 1.6 | 17 |
| 51 | Discriminant Feature Extraction for Centrifugal Pump Fault Diagnosis. <i>IEEE Access</i> , 2020, 8, 165512-165528. | 2.6 | 34 |
| 52 | Bearing Fault Identification Using Machine Learning and Adaptive Cascade Fault Observer. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5827. | 1.3 | 10 |
| 53 | Accurate Bearing Fault Diagnosis under Variable Shaft Speed using Convolutional Neural Networks and Vibration Spectrogram. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6385. | 1.3 | 51 |
| 54 | Pressure Vessel Diagnosis by Eliminating Undesired Signal Sources and Incorporating GA-Based Fault Feature Evaluation. <i>IEEE Access</i> , 2020, 8, 134653-134667. | 2.6 | 7 |

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|----|---|-----|-----------|
| 55 | Multistage Centrifugal Pump Fault Diagnosis by Selecting Fault Characteristic Modes of Vibration and Using Pearson Linear Discriminant Analysis. <i>IEEE Access</i> , 2020, 8, 223030-223040. | 2.6 | 12 |
| 56 | A Deep-Learning-Based Bearing Fault Diagnosis Using Defect Signature Wavelet Image Visualization. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8800. | 1.3 | 20 |
| 57 | A Multitask-Aided Transfer Learning-Based Diagnostic Framework for Bearings under Inconsistent Working Conditions. <i>Sensors</i> , 2020, 20, 7205. | 2.1 | 27 |
| 58 | Deep Learning-Based Bearing Fault Diagnosis Method for Embedded Systems. <i>Sensors</i> , 2020, 20, 6886. | 2.1 | 25 |
| 59 | Sleep State Classification Using Power Spectral Density and Residual Neural Network with Multichannel EEG Signals. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7639. | 1.3 | 31 |
| 60 | A Crack Characterization Method for Reinforced Concrete Beams Using an Acoustic Emission Technique. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7918. | 1.3 | 13 |
| 61 | The Enhancement of Leak Detection Performance for Water Pipelines through the Renovation of Training Data. <i>Sensors</i> , 2020, 20, 2542. | 2.1 | 7 |
| 62 | A novel health indicator based on the Lyapunov exponent, a probabilistic self-organizing map, and the Gini-Simpson index for calculating the RUL of bearings. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 164, 108002. | 2.5 | 29 |
| 63 | Health State Classification of a Spherical Tank Using a Hybrid Bag of Features and K-Nearest Neighbor. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2525. | 1.3 | 11 |
| 64 | Bearing Fault Diagnosis Using Grad-CAM and Acoustic Emission Signals. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2050. | 1.3 | 46 |
| 65 | A Reliable Fault Diagnosis Method for a Gearbox System with Varying Rotational Speeds. <i>Sensors</i> , 2020, 20, 3105. | 2.1 | 13 |
| 66 | Hybrid Fault Diagnosis of Bearings: Adaptive Fuzzy Orthonormal-ARX Robust Feedback Observer. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3587. | 1.3 | 8 |
| 67 | Feature Selection for Improving Failure Detection in Hard Disk Drives Using a Genetic Algorithm and Significance Scores. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3200. | 1.3 | 4 |
| 68 | An SVM-Based Neural Adaptive Variable Structure Observer for Fault Diagnosis and Fault-Tolerant Control of a Robot Manipulator. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1344. | 1.3 | 14 |
| 69 | Performance Degradation Assessment of Concrete Beams Based on Acoustic Emission Burst Features and Mahalanobis Taguchi System. <i>Sensors</i> , 2020, 20, 3402. | 2.1 | 6 |
| 70 | SVD-Based Image Watermarking Using the Fast Walsh-Hadamard Transform, Key Mapping, and Coefficient Ordering for Ownership Protection. <i>Symmetry</i> , 2020, 12, 52. | 1.1 | 14 |
| 71 | Acoustic Emission Burst Extraction for Multi-Level Leakage Detection in a Pipeline. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1933. | 1.3 | 7 |
| 72 | Bearing Fault Diagnosis of Induction Motors Using a Genetic Algorithm and Machine Learning Classifiers. <i>Sensors</i> , 2020, 20, 1884. | 2.1 | 136 |

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|----|--|-----|-----------|
| 73 | Deep Convolutional Neural Network with 2D Spectral Energy Maps for Fault Diagnosis of Gearboxes Under Variable Speed. Communications in Computer and Information Science, 2020, , 106-117. | 0.4 | 1 |
| 74 | Robot manipulator active fault-tolerant control using a machine learning-based automated robust hybrid observer. Journal of Intelligent and Fuzzy Systems, 2020, 39, 6443-6463. | 0.8 | 1 |
| 75 | Fault Diagnosis of Bearings with Variable Rotational Speeds Using Convolutional Neural Networks. Advances in Intelligent Systems and Computing, 2019, , 71-81. | 0.5 | 2 |
| 76 | Improving diagnostic performance of a power transformer using an adaptive over-sampling method for imbalanced data. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 1325-1333. | 1.8 | 48 |
| 77 | Data Driven Leakage Detection and Classification of a Boiler Tube. Applied Sciences (Switzerland), 2019, 9, 2450. | 1.3 | 17 |
| 78 | Adaptive Fuzzy-Based Fault-Tolerant Control of a Continuum Robotic System for Maxillary Sinus Surgery. Applied Sciences (Switzerland), 2019, 9, 2490. | 1.3 | 7 |
| 79 | Discriminative feature analysis based on the crossing level for leakage classification in water pipelines. Journal of the Acoustical Society of America, 2019, 145, EL611-EL617. | 0.5 | 5 |
| 80 | Vision-Based Autonomous Crack Detection of Concrete Structures Using a Fully Convolutional Encoder-Decoder Network. Sensors, 2019, 19, 4251. | 2.1 | 78 |
| 81 | Electricity Theft Detection in Smart Grid Systems: A CNN-LSTM Based Approach. Energies, 2019, 12, 3310. | 1.6 | 207 |
| 82 | Prognosis of remaining bearing life with vibration signals using a sequential Monte Carlo framework. Journal of the Acoustical Society of America, 2019, 146, EL358-EL363. | 0.5 | 5 |
| 83 | An Improved Algorithm for Selecting IMF Components in Ensemble Empirical Mode Decomposition for Domain of Rub-Impact Fault Diagnosis. IEEE Access, 2019, 7, 121728-121741. | 2.6 | 18 |
| 84 | Deep Learning Object-Impulse Detection for Enhancing Leakage Detection of a Boiler Tube Using Acoustic Emission Signal. Applied Sciences (Switzerland), 2019, 9, 4368. | 1.3 | 7 |
| 85 | A Watermarking Technique for Biomedical Images Using SMQT, Otsu, and Fuzzy C-Means. Electronics (Switzerland), 2019, 8, 975. | 1.8 | 7 |
| 86 | Automated bearing fault diagnosis scheme using 2D representation of wavelet packet transform and deep convolutional neural network. Computers in Industry, 2019, 106, 142-153. | 5.7 | 141 |
| 87 | Leakage Detection of Water-Induced Pipelines Using Hybrid Features and Support Vector Machines. Advances in Intelligent Systems and Computing, 2019, , 377-387. | 0.5 | 0 |
| 88 | Advanced Adaptive Fault Diagnosis and Tolerant Control for Robot Manipulators. Energies, 2019, 12, 1281. | 1.6 | 16 |
| 89 | Fault Detection of a Spherical Tank Using a Genetic Algorithm-Based Hybrid Feature Pool and k-Nearest Neighbor Algorithm. Energies, 2019, 12, 991. | 1.6 | 33 |
| 90 | Acoustic spectral imaging and transfer learning for reliable bearing fault diagnosis under variable speed conditions. Measurement: Journal of the International Measurement Confederation, 2019, 138, 620-631. | 2.5 | 142 |

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| 91 | Nonlinear Extended-state ARX-Laguerre PI Observer Fault Diagnosis of Bearings. Applied Sciences (Switzerland), 2019, 9, 888. | 1.3 | 13 |
| 92 | Improving the Performance of Storage Tank Fault Diagnosis by Removing Unwanted Components and Utilizing Wavelet-Based Features. Entropy, 2019, 21, 145. | 1.1 | 6 |
| 93 | Leakage Detection of a Spherical Water Storage Tank in a Chemical Industry Using Acoustic Emissions. Applied Sciences (Switzerland), 2019, 9, 196. | 1.3 | 33 |
| 94 | A Hybrid Feature Pool-Based Emotional Stress State Detection Algorithm Using EEG Signals. Brain Sciences, 2019, 9, 376. | 1.1 | 32 |
| 95 | Rolling-Element Bearing Fault Diagnosis Using Advanced Machine Learning-Based Observer. Applied Sciences (Switzerland), 2019, 9, 5404. | 1.3 | 35 |
| 96 | 1D CNN-Based Transfer Learning Model for Bearing Fault Diagnosis Under Variable Working Conditions. Advances in Intelligent Systems and Computing, 2019, , 13-23. | 0.5 | 17 |
| 97 | Reliable multiple combined fault diagnosis of bearings using heterogeneous feature models and multiclass support vector Machines. Reliability Engineering and System Safety, 2019, 184, 55-66. | 5.1 | 118 |
| 98 | A reliable technique for remaining useful life estimation of rolling element bearings using dynamic regression models. Reliability Engineering and System Safety, 2019, 184, 67-76. | 5.1 | 136 |
| 99 | Efficient Rub-Impact Fault Diagnosis Scheme Based on Hybrid Feature Extraction and SVM. Advances in Intelligent Systems and Computing, 2019, , 405-415. | 0.5 | 6 |
| 100 | Bearing Fault Diagnosis Based on Convolutional Neural Networks with Kurtogram Representation of Acoustic Emission Signals. Lecture Notes in Electrical Engineering, 2018, , 21-26. | 0.3 | 13 |
| 101 | A high-performance, resource-efficient, reconfigurable parallel-pipelined FFT processor for FPGA platforms. Microprocessors and Microsystems, 2018, 60, 96-106. | 1.8 | 22 |
| 102 | A Hybrid Prognostics Technique for Rolling Element Bearings Using Adaptive Predictive Models. IEEE Transactions on Industrial Electronics, 2018, 65, 1577-1584. | 5.2 | 154 |
| 103 | Bearing Fault Diagnosis under Variable Rotational Speeds Using Stockwell Transform-Based Vibration Imaging and Transfer Learning. Applied Sciences (Switzerland), 2018, 8, 2357. | 1.3 | 78 |
| 104 | Bearing Fault Diagnosis Using an Extended Variable Structure Feedback Linearization Observer. Sensors, 2018, 18, 4359. | 2.1 | 24 |
| 105 | Effective Prediction of Bearing Fault Degradation under Different Crack Sizes Using a Deep Neural Network. Applied Sciences (Switzerland), 2018, 8, 2332. | 1.3 | 7 |
| 106 | A Reliable Health Indicator for Fault Prognosis of Bearings. Sensors, 2018, 18, 3740. | 2.1 | 40 |
| 107 | Intelligent Rub-Impact Fault Diagnosis Based on Genetic Algorithm-Based IMF Selection in Ensemble Empirical Mode Decomposition and Diverse Features Models. Lecture Notes in Computer Science, 2018, , 147-155. | 1.0 | 0 |
| 108 | Crack Classification of a Pressure Vessel Using Feature Selection and Deep Learning Methods. Sensors, 2018, 18, 4379. | 2.1 | 22 |

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|-----|---|-----|-----------|
| 109 | Diagnosis of bearing defects under variable speed conditions using energy distribution maps of acoustic emission spectra and convolutional neural networks. <i>Journal of the Acoustical Society of America</i> , 2018, 144, EL322-EL327. | 0.5 | 15 |
| 110 | Emotional Stress State Detection Using Genetic Algorithm-Based Feature Selection on EEG Signals. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2461. | 1.2 | 84 |
| 111 | Application Characteristics-Aware Sporadic Cache Bypassing for high performance GPGPUs. <i>Journal of Parallel and Distributed Computing</i> , 2018, 122, 238-250. | 2.7 | 3 |
| 112 | A Pipelined FFT Processor Using an Optimal Hybrid Rotation Scheme for Complex Multiplication: Design, FPGA Implementation and Analysis. <i>Electronics (Switzerland)</i> , 2018, 7, 137. | 1.8 | 8 |
| 113 | Improvement of Risk Assessment Using Numerical Analysis for an Offshore Plant Dipole Antenna. <i>Symmetry</i> , 2018, 10, 681. | 1.1 | 1 |
| 114 | Reliable fault diagnosis of bearings with varying rotational speeds using envelope spectrum and convolution neural networks. <i>Soft Computing</i> , 2018, 22, 6719-6729. | 2.1 | 63 |
| 115 | Motor Bearing Fault Diagnosis Using Deep Convolutional Neural Networks with 2D Analysis of Vibration Signal. <i>Lecture Notes in Computer Science</i> , 2018, , 144-155. | 1.0 | 14 |
| 116 | Reliable Fault Diagnosis of Rotary Machine Bearings Using a Stacked Sparse Autoencoder-Based Deep Neural Network. <i>Shock and Vibration</i> , 2018, 2018, 1-11. | 0.3 | 36 |
| 117 | Robust Composite High-Order Super-Twisting Sliding Mode Control of Robot Manipulators. <i>Robotics</i> , 2018, 7, 13. | 2.1 | 43 |
| 118 | Bearing Fault Diagnosis by a Robust Higher-Order Super-Twisting Sliding Mode Observer. <i>Sensors</i> , 2018, 18, 1128. | 2.1 | 37 |
| 119 | Non-Mutually Exclusive Deep Neural Network Classifier for Combined Modes of Bearing Fault Diagnosis. <i>Sensors</i> , 2018, 18, 1129. | 2.1 | 25 |
| 120 | Optimal Sub-Band Analysis Based on the Envelope Power Spectrum for Effective Fault Detection in Bearing under Variable, Low Speeds. <i>Sensors</i> , 2018, 18, 1389. | 2.1 | 16 |
| 121 | Rub-Impact Fault Diagnosis Using an Effective IMF Selection Technique in Ensemble Empirical Mode Decomposition and Hybrid Feature Models. <i>Sensors</i> , 2018, 18, 2040. | 2.1 | 20 |
| 122 | Towards bearing health prognosis using generative adversarial networks: Modeling bearing degradation. , 2018, , . | | 11 |
| 123 | Separability Index-Based Feature Selection and a Two-Tier Classifier for Improving Diagnostic Performance in Bearings. <i>Lecture Notes in Computer Science</i> , 2018, , 99-107. | 1.0 | 0 |
| 124 | Texture analysis based feature extraction using Gabor filter and SVD for reliable fault diagnosis of an induction motor. <i>International Journal of Information Technology and Management</i> , 2018, 17, 20. | 0.1 | 4 |
| 125 | A Hybrid Feature Selection Scheme Based on Local Compactness and Global Separability for Improving Roller Bearing Diagnostic Performance. <i>Lecture Notes in Computer Science</i> , 2017, , 180-192. | 1.0 | 5 |
| 126 | Reliable bearing fault diagnosis using Bayesian inference-based multi-class support vector machines. <i>Journal of the Acoustical Society of America</i> , 2017, 141, EL89-EL95. | 0.5 | 35 |

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|-----|--|-----|-----------|
| 127 | Estimating the remaining useful life of bearings using a neuro-local linear estimator-based method. Journal of the Acoustical Society of America, 2017, 141, EL452-EL457. | 0.5 | 14 |
| 128 | Incipient fault diagnosis in bearings under variable speed conditions using multiresolution analysis and a weighted committee machine. Journal of the Acoustical Society of America, 2017, 142, EL35-EL41. | 0.5 | 23 |
| 129 | A video-based smoke detection using smoke flow pattern and spatial-temporal energy analyses for alarm systems. Information Sciences, 2017, 418-419, 91-101. | 4.0 | 41 |
| 130 | Early miss prediction based periodic cache bypassing for high performance GPUs. Microprocessors and Microsystems, 2017, 55, 44-54. | 1.8 | 5 |
| 131 | Bearing Fault Diagnosis under Variable Speed Using Convolutional Neural Networks and the Stochastic Diagonal Levenberg-Marquardt Algorithm. Sensors, 2017, 17, 2834. | 2.1 | 54 |
| 132 | A Hybrid Feature Model and Deep-Learning-Based Bearing Fault Diagnosis. Sensors, 2017, 17, 2876. | 2.1 | 150 |
| 133 | Reliable Fault Diagnosis of Bearings Using Distance and Density Similarity on an Enhanced k -NN. Lecture Notes in Computer Science, 2017, , 193-203. | 1.0 | 11 |
| 134 | Zinc doped H ₂ Ti ₁₂ O ₂₅ Anode and Activated Carbon Cathode for Hybrid Supercapacitor with superior performance. Electrochimica Acta, 2017, 251, 613-620. | 2.6 | 17 |
| 135 | A New Approach of Iris Detection and Recognition. International Journal of Electrical and Computer Engineering, 2017, 7, 2530. | 0.5 | 5 |
| 136 | Accelerating IP routing algorithm using graphics processing unit for high speed multimedia communication. Multimedia Tools and Applications, 2016, 75, 15365-15379. | 2.6 | 4 |
| 137 | Automated Bearing Fault Diagnosis Using 2D Analysis of Vibration Acceleration Signals under Variable Speed Conditions. Shock and Vibration, 2016, 2016, 1-11. | 0.3 | 36 |
| 138 | Distance and Density Similarity Based Enhanced k -NN Classifier for Improving Fault Diagnosis Performance of Bearings. Shock and Vibration, 2016, 2016, 1-11. | 0.3 | 8 |
| 139 | Discriminant Feature Distribution Analysis-Based Hybrid Feature Selection for Online Bearing Fault Diagnosis in Induction Motors. Journal of Sensors, 2016, 2016, 1-16. | 0.6 | 42 |
| 140 | Feature selection techniques for increasing reliability of fault diagnosis of bearings. , 2016, , . | | 7 |
| 141 | Rotational speed invariant fault diagnosis in bearings using vibration signal imaging and local binary patterns. Journal of the Acoustical Society of America, 2016, 139, EL100-EL104. | 0.5 | 18 |
| 142 | Adaptive ECG denoising using genetic algorithm-based thresholding and ensemble empirical mode decomposition. Information Sciences, 2016, 373, 499-511. | 4.0 | 86 |
| 143 | Protocols and Mechanisms to Recover Failed Packets in Wireless Networks: History and Evolution. IEEE Access, 2016, 4, 4207-4224. | 2.6 | 61 |
| 144 | A Massively Parallel Approach to Real-Time Bearing Fault Detection Using Sub-Band Analysis on an FPGA-Based Multicore System. IEEE Transactions on Industrial Electronics, 2016, 63, 6325-6335. | 5.2 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | NTB branch predictor: dynamic branch predictor for high-performance embedded processors. Journal of Supercomputing, 2016, 72, 1679-1693. | 2.4 | 3 |
| 146 | Accelerating the formant synthesis of haegeum sounds using a general-purpose graphics processing unit. Multimedia Tools and Applications, 2016, 75, 15445-15459. | 2.6 | 2 |
| 147 | A Hybrid Feature Selection Scheme for Reducing Diagnostic Performance Deterioration Caused by Outliers in Data-Driven Diagnostics. IEEE Transactions on Industrial Electronics, 2016, 63, 3299-3310. | 5.2 | 102 |
| 148 | Multi-core Accelerated Discriminant Feature Selection for Real-Time Bearing Fault Diagnosis. Lecture Notes in Computer Science, 2016, , 645-656. | 1.0 | 0 |
| 149 | Envelope analysis with a genetic algorithm-based adaptive filter bank for bearing fault detection. Journal of the Acoustical Society of America, 2015, 138, EL65-EL70. | 0.5 | 26 |
| 150 | Multifault Diagnosis of Rolling Element Bearings Using a Wavelet Kurtogram and Vector Median-Based Feature Analysis. Shock and Vibration, 2015, 2015, 1-14. | 0.3 | 17 |
| 151 | Enhanced DET-Based Fault Signature Analysis for Reliable Diagnosis of Single and Multiple-Combined Bearing Defects. Shock and Vibration, 2015, 2015, 1-10. | 0.3 | 5 |
| 152 | A new cache replacement algorithm for last-level caches by exploiting tag-distance correlation of cache lines. Microprocessors and Microsystems, 2015, 39, 286-295. | 1.8 | 12 |
| 153 | Computationally efficient implementation of a Hamming code decoder using graphics processing unit. Journal of Communications and Networks, 2015, 17, 198-202. | 1.8 | 4 |
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