

Jong-Myon Kim

List of Publications by Year in descending order

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208
papers

5,181
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101543

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docs citations

216
times ranked

3754
citing authors

#	ARTICLE	IF	CITATIONS
1	Timeâ€‘frequency envelope analysis-based sub-band selection and probabilistic support vector machines for multi-fault diagnosis of low-speed bearings. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 1527-1542.	4.9	19
2	Strict-Feedback Backstepping Digital Twin and Machine Learning Solution in AE Signals for Bearing Crack Identification. Sensors, 2022, 22, 539.	3.8	11
3	Transfer Learning with 2D Vibration Images for Fault Diagnosis of Bearings Under Variable Speed. Lecture Notes in Networks and Systems, 2022, , 154-164.	0.7	0
4	A Method for Pipeline Leak Detection Based on Acoustic Imaging and Deep Learning. Sensors, 2022, 22, 1562.	3.8	25
5	Intelligent rubbing fault identification using multivariate signals and a multivariate one-dimensional convolutional neural network. Expert Systems With Applications, 2022, 198, 116868.	7.6	10
6	Bearing Fault Diagnosis Using Multidomain Fusion-Based Vibration Imaging and Multitask Learning. Sensors, 2022, 22, 56.	3.8	21
7	Multistage Centrifugal Pump Fault Diagnosis Using Informative Ratio Principal Component Analysis. Sensors, 2022, 22, 179.	3.8	20
8	GMM-Aided DNN Bearing Fault Diagnosis Using Sparse Autoencoder Feature Extraction. Lecture Notes in Computer Science, 2022, , 555-564.	1.3	0
9	A Deep-Learning-Based Health Indicator Constructor Using Kullbackâ€‘Leibler Divergence for Predicting the Remaining Useful Life of Concrete Structures. Sensors, 2022, 22, 3687.	3.8	9
10	Gearbox Fault Identification Model Using an Adaptive Noise Canceling Technique, Heterogeneous Feature Extraction, and Distance Ratio Principal Component Analysis. Sensors, 2022, 22, 4091.	3.8	1
11	A Hybrid Leak Localization Approach Using Acoustic Emission for Industrial Pipelines. Sensors, 2022, 22, 3963.	3.8	11
12	A Bearing Fault Classification Framework Based on Image Encoding Techniques and a Convolutional Neural Network under Different Operating Conditions. Sensors, 2022, 22, 4881.	3.8	12
13	Bearing Crack Diagnosis Using a Smooth Sliding Digital Twin to Overcome Fluctuations Arising in Unknown Conditions. Applied Sciences (Switzerland), 2022, 12, 6770.	2.5	4
14	Hybrid Rubbing Fault Identification Using a Deep Learning-Based Observation Technique. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5144-5155.	11.3	9
15	A novel pipeline leak detection approach independent of prior failure information. Measurement: Journal of the International Measurement Confederation, 2021, 167, 108284.	5.0	36
16	Multi-sensor fusion-based time-frequency imaging and transfer learning for spherical tank crack diagnosis under variable pressure conditions. Measurement: Journal of the International Measurement Confederation, 2021, 168, 108478.	5.0	31
17	Crack detection and localization in a fluid pipeline based on acoustic emission signals. Mechanical Systems and Signal Processing, 2021, 150, 107254.	8.0	35
18	Efficient Fault Diagnosis of Rolling Bearings Using Neural Network Architecture Search and Sharing Weights. IEEE Access, 2021, 9, 98800-98811.	4.2	16

#	ARTICLE	IF	CITATIONS
19	Real-Time Leak Detection for a Gas Pipeline Using a k-NN Classifier and Hybrid AE Features. <i>Sensors</i> , 2021, 21, 367.	3.8	22
20	Improving Bearing Diagnostic Performance by Using New Discriminatory Fault-Feature Evaluation. <i>Springer Proceedings in Physics</i> , 2021, , 115-125.	0.2	0
21	A Fault Diagnosis Framework for Centrifugal Pumps by Scalogram-Based Imaging and Deep Learning. <i>IEEE Access</i> , 2021, 9, 58052-58066.	4.2	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.	0.4	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.	3.8	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.	2.5	4
25	Bearing Fault Classification Using Ensemble Empirical Mode Decomposition and Convolutional Neural Network. <i>Electronics (Switzerland)</i> , 2021, 10, 1248.	3.1	31
26	Bearing Anomaly Recognition Using an Intelligent Digital Twin Integrated with Machine Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4602.	2.5	36
27	An Explainable AI-Based Fault Diagnosis Model for Bearings. <i>Sensors</i> , 2021, 21, 4070.	3.8	29
28	Crack Size Identification for Bearings Using an Adaptive Digital Twin. <i>Sensors</i> , 2021, 21, 5009.	3.8	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.	2.5	11
30	2D CNN-Based Multi-Output Diagnosis for Compound Bearing Faults under Variable Rotational Speeds. <i>Machines</i> , 2021, 9, 199.	2.2	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.	8.0	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.	1.3	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.	4.2	17
34	A Lightweight Deep Learning-Based Approach for Concrete Crack Characterization Using Acoustic Emission Signals. <i>IEEE Access</i> , 2021, 9, 104029-104050.	4.2	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.	3.8	19
36	Novel Bearing Fault Diagnosis Using Gaussian Mixture Model-Based Fault Band Selection. <i>Sensors</i> , 2021, 21, 6579.	3.8	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.	3.8	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.	4.2	11
39	A Scheme with Acoustic Emission Hit Removal for the Remaining Useful Life Prediction of Concrete Structures. <i>Sensors</i> , 2021, 21, 7761.	3.8	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.	3.7	34
42	A Deep Autoencoder-Based Convolution Neural Network Framework for Bearing Fault Classification in Induction Motors. <i>Sensors</i> , 2021, 21, 8453.	3.8	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.	3.8	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.	0.6	0
45	Fault Diagnosis of Rotary Machine Bearings Under Inconsistent Working Conditions. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 3334-3347.	4.7	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.	5.0	29
47	Blade Rub-Impact Fault Identification Using Autoencoder-Based Nonlinear Function Approximation and a Deep Neural Network. <i>Sensors</i> , 2020, 20, 6265.	3.8	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.	2.5	64
49	Intelligent Fault Diagnosis Method Using Acoustic Emission Signals for Bearings under Complex Working Conditions. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7068.	2.5	24
50	An Acoustic Emission Technique for Crack Modes Classification in Concrete Structures. <i>Sustainability</i> , 2020, 12, 6724.	3.2	17
51	Discriminant Feature Extraction for Centrifugal Pump Fault Diagnosis. <i>IEEE Access</i> , 2020, 8, 165512-165528.	4.2	34
52	Bearing Fault Identification Using Machine Learning and Adaptive Cascade Fault Observer. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5827.	2.5	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.	2.5	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.	4.2	7

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55	Multistage Centrifugal Pump Fault Diagnosis by Selecting Fault Characteristic Modes of Vibration and Using Pearson Linear Discriminant Analysis. IEEE Access, 2020, 8, 223030-223040.	4.2	12
56	A Deep-Learning-Based Bearing Fault Diagnosis Using Defect Signature Wavelet Image Visualization. Applied Sciences (Switzerland), 2020, 10, 8800.	2.5	20
57	A Multitask-Aided Transfer Learning-Based Diagnostic Framework for Bearings under Inconsistent Working Conditions. Sensors, 2020, 20, 7205.	3.8	27
58	Deep Learning-Based Bearing Fault Diagnosis Method for Embedded Systems. Sensors, 2020, 20, 6886.	3.8	25
59	Sleep State Classification Using Power Spectral Density and Residual Neural Network with Multichannel EEG Signals. Applied Sciences (Switzerland), 2020, 10, 7639.	2.5	31
60	A Crack Characterization Method for Reinforced Concrete Beams Using an Acoustic Emission Technique. Applied Sciences (Switzerland), 2020, 10, 7918.	2.5	13
61	The Enhancement of Leak Detection Performance for Water Pipelines through the Renovation of Training Data. Sensors, 2020, 20, 2542.	3.8	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. Measurement: Journal of the International Measurement Confederation, 2020, 164, 108002.	5.0	29
63	Health State Classification of a Spherical Tank Using a Hybrid Bag of Features and K-Nearest Neighbor. Applied Sciences (Switzerland), 2020, 10, 2525.	2.5	11
64	Bearing Fault Diagnosis Using Grad-CAM and Acoustic Emission Signals. Applied Sciences (Switzerland), 2020, 10, 2050.	2.5	46
65	A Reliable Fault Diagnosis Method for a Gearbox System with Varying Rotational Speeds. Sensors, 2020, 20, 3105.	3.8	13
66	Hybrid Fault Diagnosis of Bearings: Adaptive Fuzzy Orthonormal-ARX Robust Feedback Observer. Applied Sciences (Switzerland), 2020, 10, 3587.	2.5	8
67	Feature Selection for Improving Failure Detection in Hard Disk Drives Using a Genetic Algorithm and Significance Scores. Applied Sciences (Switzerland), 2020, 10, 3200.	2.5	4
68	An SVM-Based Neural Adaptive Variable Structure Observer for Fault Diagnosis and Fault-Tolerant Control of a Robot Manipulator. Applied Sciences (Switzerland), 2020, 10, 1344.	2.5	14
69	Performance Degradation Assessment of Concrete Beams Based on Acoustic Emission Burst Features and Mahalanobis Taguchi System. Sensors, 2020, 20, 3402.	3.8	6
70	SVD-Based Image Watermarking Using the Fast Walsh-Hadamard Transform, Key Mapping, and Coefficient Ordering for Ownership Protection. Symmetry, 2020, 12, 52.	2.2	14
71	Acoustic Emission Burst Extraction for Multi-Level Leakage Detection in a Pipeline. Applied Sciences (Switzerland), 2020, 10, 1933.	2.5	7
72	Bearing Fault Diagnosis of Induction Motors Using a Genetic Algorithm and Machine Learning Classifiers. Sensors, 2020, 20, 1884.	3.8	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.	0.5	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.	1.4	1
75	Fault Diagnosis of Bearings with Variable Rotational Speeds Using Convolutional Neural Networks. Advances in Intelligent Systems and Computing, 2019, , 71-81.	0.6	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.	2.9	48
77	Data Driven Leakage Detection and Classification of a Boiler Tube. Applied Sciences (Switzerland), 2019, 9, 2450.	2.5	17
78	Adaptive Fuzzy-Based Fault-Tolerant Control of a Continuum Robotic System for Maxillary Sinus Surgery. Applied Sciences (Switzerland), 2019, 9, 2490.	2.5	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.	1.1	5
80	Vision-Based Autonomous Crack Detection of Concrete Structures Using a Fully Convolutional Encoder-Decoder Network. Sensors, 2019, 19, 4251.	3.8	78
81	Electricity Theft Detection in Smart Grid Systems: A CNN-LSTM Based Approach. Energies, 2019, 12, 3310.	3.1	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.	1.1	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.	4.2	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.	2.5	7
85	A Watermarking Technique for Biomedical Images Using SMQT, Otsu, and Fuzzy C-Means. Electronics (Switzerland), 2019, 8, 975.	3.1	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.	9.9	141
87	Leakage Detection of Water-Induced Pipelines Using Hybrid Features and Support Vector Machines. Advances in Intelligent Systems and Computing, 2019, , 377-387.	0.6	0
88	Advanced Adaptive Fault Diagnosis and Tolerant Control for Robot Manipulators. Energies, 2019, 12, 1281.	3.1	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.	3.1	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.	5.0	142

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91	Nonlinear Extended-state ARX-Laguerre PI Observer Fault Diagnosis of Bearings. Applied Sciences (Switzerland), 2019, 9, 888.	2.5	13
92	Improving the Performance of Storage Tank Fault Diagnosis by Removing Unwanted Components and Utilizing Wavelet-Based Features. Entropy, 2019, 21, 145.	2.2	6
93	Leakage Detection of a Spherical Water Storage Tank in a Chemical Industry Using Acoustic Emissions. Applied Sciences (Switzerland), 2019, 9, 196.	2.5	33
94	A Hybrid Feature Pool-Based Emotional Stress State Detection Algorithm Using EEG Signals. Brain Sciences, 2019, 9, 376.	2.3	32
95	Rolling-Element Bearing Fault Diagnosis Using Advanced Machine Learning-Based Observer. Applied Sciences (Switzerland), 2019, 9, 5404.	2.5	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.	0.6	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.	8.9	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.	8.9	136
99	Efficient Rub-Impact Fault Diagnosis Scheme Based on Hybrid Feature Extraction and SVM. Advances in Intelligent Systems and Computing, 2019, , 405-415.	0.6	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.	0.4	13
101	A high-performance, resource-efficient, reconfigurable parallel-pipelined FFT processor for FPGA platforms. Microprocessors and Microsystems, 2018, 60, 96-106.	2.8	22
102	A Hybrid Prognostics Technique for Rolling Element Bearings Using Adaptive Predictive Models. IEEE Transactions on Industrial Electronics, 2018, 65, 1577-1584.	7.9	154
103	Bearing Fault Diagnosis under Variable Rotational Speeds Using Stockwell Transform-Based Vibration Imaging and Transfer Learning. Applied Sciences (Switzerland), 2018, 8, 2357.	2.5	78
104	Bearing Fault Diagnosis Using an Extended Variable Structure Feedback Linearization Observer. Sensors, 2018, 18, 4359.	3.8	24
105	Effective Prediction of Bearing Fault Degradation under Different Crack Sizes Using a Deep Neural Network. Applied Sciences (Switzerland), 2018, 8, 2332.	2.5	7
106	A Reliable Health Indicator for Fault Prognosis of Bearings. Sensors, 2018, 18, 3740.	3.8	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.	1.3	0
108	Crack Classification of a Pressure Vessel Using Feature Selection and Deep Learning Methods. Sensors, 2018, 18, 4379.	3.8	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. Journal of the Acoustical Society of America, 2018, 144, EL322-EL327.	1.1	15
110	Emotional Stress State Detection Using Genetic Algorithm-Based Feature Selection on EEG Signals. International Journal of Environmental Research and Public Health, 2018, 15, 2461.	2.6	84
111	Application Characteristics-Aware Sporadic Cache Bypassing for high performance GPGPUs. Journal of Parallel and Distributed Computing, 2018, 122, 238-250.	4.1	3
112	A Pipelined FFT Processor Using an Optimal Hybrid Rotation Scheme for Complex Multiplication: Design, FPGA Implementation and Analysis. Electronics (Switzerland), 2018, 7, 137.	3.1	8
113	Improvement of Risk Assessment Using Numerical Analysis for an Offshore Plant Dipole Antenna. Symmetry, 2018, 10, 681.	2.2	1
114	Reliable fault diagnosis of bearings with varying rotational speeds using envelope spectrum and convolution neural networks. Soft Computing, 2018, 22, 6719-6729.	3.6	63
115	Motor Bearing Fault Diagnosis Using Deep Convolutional Neural Networks with 2D Analysis of Vibration Signal. Lecture Notes in Computer Science, 2018, , 144-155.	1.3	14
116	Reliable Fault Diagnosis of Rotary Machine Bearings Using a Stacked Sparse Autoencoder-Based Deep Neural Network. Shock and Vibration, 2018, 2018, 1-11.	0.6	36
117	Robust Composite High-Order Super-Twisting Sliding Mode Control of Robot Manipulators. Robotics, 2018, 7, 13.	3.5	43
118	Bearing Fault Diagnosis by a Robust Higher-Order Super-Twisting Sliding Mode Observer. Sensors, 2018, 18, 1128.	3.8	37
119	Non-Mutually Exclusive Deep Neural Network Classifier for Combined Modes of Bearing Fault Diagnosis. Sensors, 2018, 18, 1129.	3.8	25
120	Optimal Sub-Band Analysis Based on the Envelope Power Spectrum for Effective Fault Detection in Bearing under Variable, Low Speeds. Sensors, 2018, 18, 1389.	3.8	16
121	Rub-Impact Fault Diagnosis Using an Effective IMF Selection Technique in Ensemble Empirical Mode Decomposition and Hybrid Feature Models. Sensors, 2018, 18, 2040.	3.8	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. Lecture Notes in Computer Science, 2018, , 99-107.	1.3	0
124	Texture analysis based feature extraction using Gabor filter and SVD for reliable fault diagnosis of an induction motor. International Journal of Information Technology and Management, 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. Lecture Notes in Computer Science, 2017, , 180-192.	1.3	5
126	Reliable bearing fault diagnosis using Bayesian inference-based multi-class support vector machines. Journal of the Acoustical Society of America, 2017, 141, EL89-EL95.	1.1	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.	1.1	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.	1.1	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.	6.9	41
130	Early miss prediction based periodic cache bypassing for high performance GPUs. Microprocessors and Microsystems, 2017, 55, 44-54.	2.8	5
131	Bearing Fault Diagnosis under Variable Speed Using Convolutional Neural Networks and the Stochastic Diagonal Levenberg-Marquardt Algorithm. Sensors, 2017, 17, 2834.	3.8	54
132	A Hybrid Feature Model and Deep-Learning-Based Bearing Fault Diagnosis. Sensors, 2017, 17, 2876.	3.8	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.	1.3	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.	5.2	17
135	A New Approach of Iris Detection and Recognition. International Journal of Electrical and Computer Engineering, 2017, 7, 2530.	0.7	5
136	Accelerating IP routing algorithm using graphics processing unit for high speed multimedia communication. Multimedia Tools and Applications, 2016, 75, 15365-15379.	3.9	4
137	Automated Bearing Fault Diagnosis Using 2D Analysis of Vibration Acceleration Signals under Variable Speed Conditions. Shock and Vibration, 2016, 2016, 1-11.	0.6	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.	0.6	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.	1.1	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.	1.1	18
142	Adaptive ECG denoising using genetic algorithm-based thresholding and ensemble empirical mode decomposition. Information Sciences, 2016, 373, 499-511.	6.9	86
143	Protocols and Mechanisms to Recover Failed Packets in Wireless Networks: History and Evolution. IEEE Access, 2016, 4, 4207-4224.	4.2	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.	7.9	22

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145	NTB branch predictor: dynamic branch predictor for high-performance embedded processors. Journal of Supercomputing, 2016, 72, 1679-1693.	3.6	3
146	Accelerating the formant synthesis of haegeum sounds using a general-purpose graphics processing unit. Multimedia Tools and Applications, 2016, 75, 15445-15459.	3.9	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.	7.9	102
148	Multi-core Accelerated Discriminant Feature Selection for Real-Time Bearing Fault Diagnosis. Lecture Notes in Computer Science, 2016, , 645-656.	1.3	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.	1.1	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.	0.6	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.	0.6	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.	2.8	12
153	Computationally efficient implementation of a Hamming code decoder using graphics processing unit. Journal of Communications and Networks, 2015, 17, 198-202.	2.6	4
154	Time-Varying and Multiresolution Envelope Analysis and Discriminative Feature Analysis for Bearing Fault Diagnosis. IEEE Transactions on Industrial Electronics, 2015, 62, 7749-7761.	7.9	119
155	Multi-fault Diagnosis of Roller Bearings Using Support Vector Machines with an Improved Decision Strategy. Lecture Notes in Computer Science, 2015, , 538-550.	1.3	4
156	Impact of memory bottleneck on the performance of graphics processing units. , 2015, , .		0
157	An optimal many-core model-based supercomputing for accelerating video-equipped fire detection. Journal of Supercomputing, 2015, 71, 2275-2308.	3.6	9
158	High-Performance and Energy-Efficient Fault Diagnosis Using Effective Envelope Analysis and Denoising on a General-Purpose Graphics Processing Unit. IEEE Transactions on Power Electronics, 2015, 30, 2763-2776.	7.9	45
159	Reliable Fault Diagnosis for Low-Speed Bearings Using Individually Trained Support Vector Machines With Kernel Discriminative Feature Analysis. IEEE Transactions on Power Electronics, 2015, 30, 2786-2797.	7.9	209
160	A fast and energy-efficient Hamming decoder for software-defined radio using graphics processing units. Journal of Supercomputing, 2015, 71, 2454-2472.	3.6	7
161	Robust condition monitoring of rolling element bearings using de-noising and envelope analysis with signal decomposition techniques. Expert Systems With Applications, 2015, 42, 9024-9032.	7.6	66
162	A GPU-based (8, 4) Hamming decoder for secure transmission of watermarked medical images. Cluster Computing, 2015, 18, 333-341.	5.0	5

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163	An FPGA-Based Multicore System for Real-Time Bearing Fault Diagnosis Using Ultrasampling Rate AE Signals. IEEE Transactions on Industrial Electronics, 2015, 62, 2319-2329.	7.9	65
164	A novel memory management technique for cloud client devices. Cluster Computing, 2015, 18, 1111-1116.	5.0	1
165	GPU-based fast error recovery for high speed data communication in media technology. Cluster Computing, 2015, 18, 93-101.	5.0	3
166	Reliable fault diagnosis for incipient low-speed bearings using fault feature analysis based on a binary bat algorithm. Information Sciences, 2015, 294, 423-438.	6.9	82
167	Analysis on the Active/Inactive Status of Computational Resources for Improving the Performance of the GPU. The Journal of the Korea Contents Association, 2015, 15, 1-11.	0.1	0
168	An Effective Approach to Improving Low-Cost GPS Positioning Accuracy in Real-Time Navigation. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	10
169	Exploration of Efficient Many-Core Processor for Dual-Polarization and Sympathetic Plucked String Model. , 2014, , .		0
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