Xiaoan Yan

List of Publications by Year
in descending order

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37	1,918	279798	345221
papers	citations	23 h-index	36 g-index

37	37	37	1200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multireceptive Field Denoising Residual Convolutional Networks for Fault Diagnosis. IEEE Transactions on Industrial Electronics, 2022, 69, 11686-11696.	7.9	34
2	Hierarchical Multiscale Dense Networks for Intelligent Fault Diagnosis of Electromechanical Systems. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	10
3	Reliable Fault Diagnosis of Bearings Using an Optimized Stacked Variational Denoising Auto-Encoder. Entropy, 2022, 24, 36.	2.2	15
4	Global contextual residual convolutional neural networks for motor fault diagnosis under variable-speed conditions. Reliability Engineering and System Safety, 2022, 225, 108618.	8.9	42
5	Attention-based multiscale denoising residual convolutional neural networks for fault diagnosis of rotating machinery. Reliability Engineering and System Safety, 2022, 226, 108714.	8.9	33
6	Stationary subspaces-vector autoregressive with exogenous terms methodology for degradation trend estimation of rolling and slewing bearings. Mechanical Systems and Signal Processing, 2021, 150, 107293.	8.0	28
7	A new approach to health condition identification of rolling bearing using hierarchical dispersion entropy and improved Laplacian score. Structural Health Monitoring, 2021, 20, 1169-1195.	7.5	29
8	Multichannel fault diagnosis of wind turbine driving system using multivariate singular spectrum decomposition and improved Kolmogorov complexity. Renewable Energy, 2021, 170, 724-748.	8.9	66
9	Rolling Bearing Fault Diagnosis Based on VMD-MPE and PSO-SVM. Entropy, 2021, 23, 762.	2.2	56
10	A bearing fault feature extraction method based on optimized singular spectrum decomposition and linear predictor. Measurement Science and Technology, 2021, 32, 115023.	2.6	11
11	Deep regularized variational autoencoder for intelligent fault diagnosis of rotorâ€“bearing system within entire life-cycle process. Knowledge-Based Systems, 2021, 226, 107142.	7.1	60
12	Intelligent Fault Diagnosis of Rolling-Element Bearings Using a Self-Adaptive Hierarchical Multiscale Fuzzy Entropy. Entropy, 2021, 23, 1128.	2.2	14
13	A Bearing Fault Diagnosis Method Based on PAVME and MEDE. Entropy, 2021, 23, 1402.	2.2	16
14	Application of Generalized Composite Multiscale Lempelâ€“Ziv Complexity in Identifying Wind Turbine Gearbox Faults. Entropy, 2021, 23, 1372.	2.2	17
15	A gearbox fault feature extraction method based on wingsuit flying search algorithm-optimized orthogonal matching pursuit with a compound time-frequency atom dictionary. Journal of Mechanical Science and Technology, 2021, 35, 4825.	1.5	2
16	Health condition identification for rolling bearing using a multi-domain indicator-based optimized stacked denoising autoencoder. Structural Health Monitoring, 2020, 19, 1602-1626.	7.5	41
17	A Fault Diagnosis Approach for Rolling Bearing Integrated SGMD, IMSDE and Multiclass Relevance Vector Machine. Sensors, 2020, 20, 4352.	3.8	22
18	A new bearing weak fault diagnosis method based on improved singular spectrum decomposition and frequency-weighted energy slice bispectrum. Measurement: Journal of the International Measurement Confederation, 2020, 166, 108235.	5.0	25

#	Article	IF	Citations
19	Multistep forecasting for diurnal wind speed based on hybrid deep learning model with improved singular spectrum decomposition. Energy Conversion and Management, 2020, 225, 113456.	9.2	83
20	Detecting Defects on Solid Wood Panels Based on an Improved SSD Algorithm. Sensors, 2020, 20, 5315.	3.8	52
21	Fault Diagnosis of Rolling-Element Bearing Using Multiscale Pattern Gradient Spectrum Entropy Coupled with Laplacian Score. Complexity, 2020, 2020, 1-29.	1.6	16
22	Research on a Novel Improved Adaptive Variational Mode Decomposition Method in Rotor Fault Diagnosis. Applied Sciences (Switzerland), 2020, 10, 1696.	2.5	39
23	Multiscale cascading deep belief network for fault identification of rotating machinery under various working conditions. Knowledge-Based Systems, 2020, 193, 105484.	7.1	95
24	Research on an enhanced scale morphological-hat product filtering in incipient fault detection of rolling element bearings. Measurement: Journal of the International Measurement Confederation, 2019, 147, 106856.	5.0	50
25	A Multi-Stage Hybrid Fault Diagnosis Approach for Rolling Element Bearing Under Various Working Conditions. IEEE Access, 2019, 7, 138426-138441.	4.2	25
26	A Feature Selection Framework-Based Multiscale Morphological Analysis Algorithm for Fault Diagnosis of Rolling Element Bearing. IEEE Access, 2019, 7, 123436-123452.	4.2	29
27	Improved singular spectrum decomposition-based 1.5-dimensional energy spectrum for rotating machinery fault diagnosis. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	18
28	Intelligent fault diagnosis of rotating machinery using improved multiscale dispersion entropy and mRMR feature selection. Knowledge-Based Systems, 2019, 163, 450-471.	7.1	185
29	Application of CSA-VMD and optimal scale morphological slice bispectrum in enhancing outer race fault detection of rolling element bearings. Mechanical Systems and Signal Processing, 2019, 122, 56-86.	8.0	138
30	Fault diagnosis of rolling element bearing using a new optimal scale morphology analysis method. ISA Transactions, 2018, 73, 165-180.	5.7	72
31	A Novel Intelligent Fault Detection Scheme for Rolling Bearing Based on Morphological Multiscale Dispersion Entropy. , 2018, , .		1
32	A novel optimized SVM classification algorithm with multi-domain feature and its application to fault diagnosis of rolling bearing. Neurocomputing, 2018, 313, 47-64.	5.9	365
33	A novel intelligent detection method for rolling bearing based on IVMD and instantaneous energy distribution-permutation entropy. Measurement: Journal of the International Measurement Confederation, 2018, 130, 435-447.	5.0	38
34	Weighted sparsity-based denoising for extracting incipient fault in rolling bearing. Journal of Mechanical Science and Technology, 2017, 31, 4557-4567.	1.5	10
35	Compound fault diagnosis of rotating machinery based on OVMD and a 1.5-dimension envelope spectrum. Measurement Science and Technology, 2016, 27, 075002.	2.6	100
36	A self-adaptive time-frequency analysis method based on local mean decomposition and its application in defect diagnosis. JVC/Journal of Vibration and Control, 2016, 22, 1049-1061.	2.6	15

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37	A new wind turbine fault diagnosis method based on ensemble intrinsic time-scale decomposition and WPT-fractal dimension. Renewable Energy, 2015, 83, 767-778.	8.9	66