

Lotfi Saidi

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,768
citations

623734

14
h-index

752698

20
g-index

37
all docs

37
docs citations

37
times ranked

1680
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of empirical mode decomposition and artificial neural network for automatic bearing fault diagnosis based on vibration signals. <i>Applied Acoustics</i> , 2015, 89, 16-27.	3.3	613
2	Accurate bearing remaining useful life prediction based on Weibull distribution and artificial neural network. <i>Mechanical Systems and Signal Processing</i> , 2015, 56-57, 150-172.	8.0	196
3	Wind turbine high-speed shaft bearings health prognosis through a spectral Kurtosis-derived indices and SVR. <i>Applied Acoustics</i> , 2017, 120, 1-8.	3.3	178
4	Application of higher order spectral features and support vector machines for bearing faults classification. <i>ISA Transactions</i> , 2015, 54, 193-206.	5.7	166
5	Bi-spectrum based-EMD applied to the non-stationary vibration signals for bearing faults diagnosis. <i>ISA Transactions</i> , 2014, 53, 1650-1660.	5.7	118
6	Online automatic diagnosis of wind turbine bearings progressive degradations under real experimental conditions based on unsupervised machine learning. <i>Applied Acoustics</i> , 2018, 132, 167-181.	3.3	96
7	Linear feature selection and classification using PNN and SFAM neural networks for a nearly online diagnosis of bearing naturally progressing degradations. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 42, 67-81.	8.1	76
8	Aircraft engines Remaining Useful Life prediction with an adaptive denoising online sequential Extreme Learning Machine. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 96, 103936.	8.1	49
9	An integrated wind turbine failures prognostic approach implementing Kalman smoother with confidence bounds. <i>Applied Acoustics</i> , 2018, 138, 199-208.	3.3	37
10	The use of SESK as a trend parameter for localized bearing fault diagnosis in induction machines. <i>ISA Transactions</i> , 2016, 63, 436-447.	5.7	35
11	Aircraft Engines Remaining Useful Life Prediction with an Improved Online Sequential Extreme Learning Machine. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1062.	2.5	29
12	The deterministic bispectrum of coupled harmonic random signals and its application to rotor faults diagnosis considering noise immunity. <i>Applied Acoustics</i> , 2017, 122, 72-87.	3.3	18
13	A New Data-Driven Approach for Power IGBT Remaining Useful Life Estimation Based On Feature Reduction Technique and Neural Network. <i>Electronics (Switzerland)</i> , 2020, 9, 1571.	3.1	17
14	Wind turbine power converter fault diagnosis using DC-link voltage time-frequency analysis. <i>Wind Engineering</i> , 2019, 43, 329-343.	1.9	15
15	Higher-Order Spectra Analysis-Based Diagnosis Method of Blades Biofouling in a PMSG Driven Tidal Stream Turbine. <i>Energies</i> , 2020, 13, 2888.	3.1	14
16	Remaining useful life estimation for thermally aged power insulated gate bipolar transistors based on a modified maximum likelihood estimator. <i>International Transactions on Electrical Energy Systems</i> , 2020, 30, e12358.	1.9	14
17	Particle filter-based prognostic approach for high-speed shaft bearing wind turbine progressive degradations. , 2017, , .		11
18	Prognostics and Health Management of Renewable Energy Systems: State of the Art Review, Challenges, and Trends. <i>Electronics (Switzerland)</i> , 2021, 10, 2732.	3.1	11

#	ARTICLE	IF	CITATIONS
19	Gaussian Process Regression Remaining Useful Lifetime Prediction of Thermally Aged Power IGBT. , 2019, , .		10
20	Reliable state of health condition monitoring of Li-ion batteries based on incremental support vector regression with parameters optimization. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2023, 237, 717-727.	1.0	9
21	Remaining useful lifetime prediction of thermally aged power insulated gate bipolar transistor based on Gaussian process regression. Transactions of the Institute of Measurement and Control, 2020, 42, 2507-2518.	1.7	8
22	Bi-spectrum based-EMD applied to the non-stationary vibration signals for bearing faults diagnosis. , 2014, , .		7
23	Direct Wind Turbine Drivetrain Prognosis Approach Using Elman Neural Network. , 2018, , .		7
24	A neural network approach for improved bearing prognostics of wind turbine generators. EPJ Applied Physics, 2021, 93, 20901.	0.7	6
25	Wind turbine high-speed shaft bearing degradation analysis for run-to-failure testing using spectral kurtosis. , 2015, , .		5
26	An Open Circuit Switching Fault Diagnosis Approach for Back-to-Back Converter using Wavelet Analysis. , 2019, , .		4
27	Particle Filter Based Approach for Wind Turbine High-Speed Shaft Bearing Health Prognosis. , 2019, , .		3
28	Power IGBT Remaining Useful Life Estimation Using Neural Networks based Feature Reduction. , 2020, , .		3
29	Bi-spectrum analysis of coupled harmonics and its application to rotor faults diagnosis. , 2014, , .		2
30	Application of feature reduction techniques for automatic bearing degradation assessment. , 2014, , .		2
31	PMSG-based Tidal Current Turbine Biofouling Diagnosis using Stator Current Bispectrum Analysis. , 2019, , .		2
32	Applications of Artificial Neural Networks With Input and output Degradation data for Renewable Energy Systems Fault Prognosis. , 2021, , .		2
33	A new enhanced feature extraction strategy for bearing Remaining Useful Life estimation. , 2014, , .		1
34	The use of nonlinear feature reduction techniques as a trend parameter for state of health estimation of lithium-ion batteries. , 2015, , .		1
35	Wind turbine drivetrain prognosis approach based on Kalman smoother with confidence bounds. , 2018, , .		1
36	Renewable Energy Systems Prognostics and Health Management: A Review of Recent Advances. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
37	Remaining useful life prognosis for wind turbine using a neural network with a long-term prediction. Wind Engineering, 0, , 0309524X2210851.	1.9	1