

# Lotfi Saidi

## List of Publications by Year in descending order

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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	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
2	A neural network approach for improved bearing prognostics of wind turbine generators. EPJ Applied Physics, 2021, 93, 20901.	0.7	6
3	Applications of Artificial Neural Networks With Input and output Degradation data for Renewable Energy Systems Fault Prognosis. , 2021, , .		2
4	Prognostics and Health Management of Renewable Energy Systems: State of the Art Review, Challenges, and Trends. Electronics (Switzerland), 2021, 10, 2732.	3.1	11
5	Renewable Energy Systems Prognostics and Health Management: A Review of Recent Advances. , 2021, , .		1
6	A New Data-Driven Approach for Power IGBT Remaining Useful Life Estimation Based On Feature Reduction Technique and Neural Network. Electronics (Switzerland), 2020, 9, 1571.	3.1	17
7	Aircraft engines Remaining Useful Life prediction with an adaptive denoising online sequential Extreme Learning Machine. Engineering Applications of Artificial Intelligence, 2020, 96, 103936.	8.1	49
8	Power IGBT Remaining Useful Life Estimation Using Neural Networks based Feature Reduction. , 2020, , .		3
9	Higher-Order Spectra Analysis-Based Diagnosis Method of Blades Biofouling in a PMSG Driven Tidal Stream Turbine. Energies, 2020, 13, 2888.	3.1	14
10	Aircraft Engines Remaining Useful Life Prediction with an Improved Online Sequential Extreme Learning Machine. Applied Sciences (Switzerland), 2020, 10, 1062.	2.5	29
11	Remaining useful life estimation for thermally aged power insulated gate bipolar transistors based on a modified maximum likelihood estimator. International Transactions on Electrical Energy Systems, 2020, 30, e12358.	1.9	14
12	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
13	Wind turbine power converter fault diagnosis using DC-link voltage timeâ€“frequency analysis. Wind Engineering, 2019, 43, 329-343.	1.9	15
14	An Open Circuit Switching Fault Diagnosis Approach for Back-to-Back Converter using Wavelet Analysis. , 2019, , .		4
15	Particle Filter Based Approach for Wind Turbine High-Speed Shaft Bearing Health Prognosis. , 2019, , .		3
16	PMSG-based Tidal Current Turbine Biofouling Diagnosis using Stator Current Bispectrum Analysis. , 2019, , .		2
17	Gaussian Process Regression Remaining Useful Lifetime Prediction of Thermally Aged Power IGBT. , 2019, , .		10
18	An integrated wind turbine failures prognostic approach implementing Kalman smoother with confidence bounds. Applied Acoustics, 2018, 138, 199-208.	3.3	37

#	ARTICLE	IF	CITATIONS
19	Online automatic diagnosis of wind turbine bearings progressive degradations under real experimental conditions based on unsupervised machine learning. Applied Acoustics, 2018, 132, 167-181.	3.3	96
20	Direct Wind Turbine Drivetrain Prognosis Approach Using Elman Neural Network. , 2018, , .		7
21	Wind turbine drivetrain prognosis approach based on Kalman smoother with confidence bounds. , 2018, , .		1
22	Wind turbine high-speed shaft bearings health prognosis through a spectral Kurtosis-derived indices and SVR. Applied Acoustics, 2017, 120, 1-8.	3.3	178
23	The deterministic bispectrum of coupled harmonic random signals and its application to rotor faults diagnosis considering noise immunity. Applied Acoustics, 2017, 122, 72-87.	3.3	18
24	Particle filter-based prognostic approach for high-speed shaft bearing wind turbine progressive degradations. , 2017, , .		11
25	The use of SESK as a trend parameter for localized bearing fault diagnosis in induction machines. ISA Transactions, 2016, 63, 436-447.	5.7	35
26	Wind turbine high-speed shaft bearing degradation analysis for run-to-failure testing using spectral kurtosis. , 2015, , .		5
27	The use of nonlinear feature reduction techniques as a trend parameter for state of health estimation of lithium-ion batteries. , 2015, , .		1
28	Linear feature selection and classification using PNN and SFAM neural networks for a nearly online diagnosis of bearing naturally progressing degradations. Engineering Applications of Artificial Intelligence, 2015, 42, 67-81.	8.1	76
29	Accurate bearing remaining useful life prediction based on Weibull distribution and artificial neural network. Mechanical Systems and Signal Processing, 2015, 56-57, 150-172.	8.0	196
30	Application of empirical mode decomposition and artificial neural network for automatic bearing fault diagnosis based on vibration signals. Applied Acoustics, 2015, 89, 16-27.	3.3	613
31	Application of higher order spectral features and support vector machines for bearing faults classification. ISA Transactions, 2015, 54, 193-206.	5.7	166
32	Bi-spectrum based-EMD applied to the non-stationary vibration signals for bearing faults diagnosis. , 2014, , .		7
33	A new enhanced feature extraction strategy for bearing Remaining Useful Life estimation. , 2014, , .		1
34	Bi-spectrum analysis of coupled harmonics and its application to rotor faults diagnosis. , 2014, , .		2
35	Application of feature reduction techniques for automatic bearing degradation assessment. , 2014, , .		2
36	Bi-spectrum based-EMD applied to the non-stationary vibration signals for bearing faults diagnosis. ISA Transactions, 2014, 53, 1650-1660.	5.7	118

#	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