

Juan Jose Saucedo-Dorantes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1929278/publications.pdf>

Version: 2024-02-01

33
papers

430
citations

687363

13
h-index

752698

20
g-index

34
all docs

34
docs citations

34
times ranked

390
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifault Diagnosis Method Applied to an Electric Machine Based on High-Dimensional Feature Reduction. IEEE Transactions on Industry Applications, 2017, 53, 3086-3097.	4.9	70
2	Multiple-Fault Detection Methodology Based on Vibration and Current Analysis Applied to Bearings in Induction Motors and Gearboxes on the Kinematic Chain. Shock and Vibration, 2016, 2016, 1-13.	0.6	55
3	Industrial Data-Driven Monitoring Based on Incremental Learning Applied to the Detection of Novel Faults. IEEE Transactions on Industrial Informatics, 2020, 16, 5985-5995.	11.3	28
4	Novel Methodology for Condition Monitoring of Gear Wear Using Supervised Learning and Infrared Thermography. Applied Sciences (Switzerland), 2020, 10, 506.	2.5	27
5	Deep-Learning-Based Methodology for Fault Diagnosis in Electromechanical Systems. Sensors, 2020, 20, 3949.	3.8	26
6	Diagnosis Methodology Based on Deep Feature Learning for Fault Identification in Metallic, Hybrid and Ceramic Bearings. Sensors, 2021, 21, 5832.	3.8	22
7	Multiple-fault detection and identification scheme based on hierarchical self-organizing maps applied to an electric machine. Applied Soft Computing Journal, 2019, 81, 105497.	7.2	21
8	Early and extremely early multi-label fault diagnosis in induction motors. ISA Transactions, 2020, 106, 367-381.	5.7	21
9	A Novel Deep Learning-Based Diagnosis Method Applied to Power Quality Disturbances. Energies, 2021, 14, 2839.	3.1	17
10	Condition monitoring strategy based on an optimized selection of high-dimensional set of hybrid features to diagnose and detect multiple and combined faults in an induction motor. Measurement: Journal of the International Measurement Confederation, 2021, 178, 109404.	5.0	17
11	Condition Monitoring Method for the Detection of Fault Graduality in Outer Race Bearing Based on Vibration-Current Fusion, Statistical Features and Neural Network. Applied Sciences (Switzerland), 2021, 11, 8033.	2.5	17
12	Thermography-Based Methodology for Multifault Diagnosis on Kinematic Chain. IEEE Transactions on Industrial Informatics, 2018, 14, 5553-5562.	11.3	15
13	Diagnosis methodology for identifying gearbox wear based on statistical time feature reduction. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 2711-2722.	2.1	15
14	Virtual Reality Training Application for the Condition-Based Maintenance of Induction Motors. Applied Sciences (Switzerland), 2022, 12, 414.	2.5	13
15	Gradual Wear Diagnosis of Outer-Race Rolling Bearing Faults through Artificial Intelligence Methods and Stray Flux Signals. Electronics (Switzerland), 2021, 10, 1486.	3.1	11
16	Vibration Signal Forecasting on Rotating Machinery by means of Signal Decomposition and Neurofuzzy Modeling. Shock and Vibration, 2016, 2016, 1-13.	0.6	10
17	Deep-Compact-Clustering Based Anomaly Detection Applied to Electromechanical Industrial Systems. Sensors, 2021, 21, 5830.	3.8	9
18	Power Quality Monitoring Strategy Based on an Optimized Multi-Domain Feature Selection for the Detection and Classification of Disturbances in Wind Generators. Electronics (Switzerland), 2022, 11, 287.	3.1	7

#	ARTICLE	IF	CITATIONS
19	Vibration-Based Adaptive Novelty Detection Method for Monitoring Faults in a Kinematic Chain. Shock and Vibration, 2016, 2016, 1-12.	0.6	4
20	Diagnosis methodology based on statistical-time features and linear discriminant analysis applied to induction motors. , 2017, , .		4
21	A Paper-Based Cantilever Beam Mini Actuator Using Hygro-Thermal Response. Actuators, 2022, 11, 94.	2.3	4
22	Detection of Uniform Gearbox Wear in Induction Motors Based on the Analysis of Stray Flux Signals Through Statistical Time-Domain Features and Dimensionality Reduction Techniques. IEEE Transactions on Industry Applications, 2022, 58, 4648-4656.	4.9	4
23	Reliable methodology for gearbox wear monitoring based on vibration analysis. , 2014, , .		3
24	Condition Monitoring Strategy Based on Spectral Energy Estimation and Linear Discriminant Analysis Applied to an Induction Motor. , 2018, , .		2
25	Statistical data fusion as diagnosis scheme applied to a kinematic chain. , 2018, , .		2
26	Condition monitoring approach based on dimensionality reduction techniques for detecting power quality disturbances in cogeneration systems. , 2019, , .		2
27	Deep Learning based Condition Monitoring approach applied to Power Quality. , 2020, , .		2
28	Analysis of Machine Learning based Condition Monitoring Schemes Applied to Complex Electromechanical Systems. , 2020, , .		1
29	Novelty Detection Methodology Based on Self-Organizing Maps for Power Quality Monitoring. Artificial Intelligence, 0, , .	2.3	1
30	Design and control of a mechatronic system for the homogenization of compost in anaerobic digesters. , 2013, , .		0
31	Novel condition monitoring approach based on hybrid feature extraction and neural network for assessing multiple faults in electromechanical systems. , 2019, , .		0
32	Virtual reality-based tool applied in the teaching and training of condition-based maintenance in induction motors. , 2021, , .		0
33	Virtual reality-based tool applied in the teaching and training of condition-based maintenance in induction motors. , 2021, , .		0