# Juan Jose Saucedo-Dorantes

List of Publications by Year
in descending order

| 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 | Virtual Reality Training Application for the Condition-Based Maintenance of Induction Motors. Applied Sciences (Switzerland), 2022, 12, 414. | 2.5 | 13 |
| 2 | 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 |
| 3 | A Paper-Based Cantilever Beam Mini Actuator Using Hygro-Thermal Response. Actuators, 2022, 11, 94. | 2.3 | 4 |
| 4 | 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 |
| 5 | A Novel Deep Learning-Based Diagnosis Method Applied to Power Quality Disturbances. Energies, 2021, 14, 2839. | 3.1 | 17 |
| 6 | 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 |
| 7 | 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 |
| 8 | Deep-Compact-Clustering Based Anomaly Detection Applied to Electromechanical Industrial Systems. Sensors, 2021, 21, 5830. | 3.8 | 9 |
| 9 | 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 |
| 10 | Diagnosis Methodology Based on Deep Feature Learning for Fault Identification in Metallic, Hybrid and Ceramic Bearings. Sensors, 2021, 21, 5832. | 3.8 | 22 |
| 11 | Virtual reality-based tool applied in the teaching and training of condition-based maintenance in induction motors. , 2021, , . | | 0 |
| 12 | Virtual reality-based tool applied in the teaching and training of condition-based maintenance in induction motors. , 2021, , . | | 0 |
| 13 | Deep-Learning-Based Methodology for Fault Diagnosis in Electromechanical Systems. Sensors, 2020, 20, 3949. | 3.8 | 26 |
| 14 | Deep Learning based Condition Monitoring approach applied to Power Quality. , 2020, , . | | 2 |
| 15 | Analysis of Machine Learning based Condition Monitoring Schemes Applied to Complex Electromechanical Systems. , 2020, , . | | 1 |
| 16 | Early and extremely early multi-label fault diagnosis in induction motors. ISA Transactions, 2020, 106, 367-381. | 5.7 | 21 |
| 17 | Novel Methodology for Condition Monitoring of Gear Wear Using Supervised Learning and Infrared Thermography. Applied Sciences (Switzerland), 2020, 10, 506. | 2.5 | 27 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Condition monitoring approach based on dimensionality reduction techniques for detecting power quality disturbances in cogeneration systems. , 2019, , . | | 2 |
| 20 | 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 |
| 21 | Novel condition monitoring approach based on hybrid feature extraction and neural network for assessing multiple faults in electromechanical systems. , 2019, , . | | 0 |
| 22 | Thermography-Based Methodology for Multifault Diagnosis on Kinematic Chain. IEEE Transactions on Industrial Informatics, 2018, 14, 5553-5562. | 11.3 | 15 |
| 23 | 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 |
| 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 | 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 |
| 27 | Diagnosis methodology based on statistical-time features and linear discriminant analysis applied to induction motors. , 2017, , . | | 4 |
| 28 | Vibration Signal Forecasting on Rotating Machinery by means of Signal Decomposition and Neurofuzzy Modeling. Shock and Vibration, 2016, 2016, 1-13. | 0.6 | 10 |
| 29 | 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 |
| 30 | Vibration-Based Adaptive Novelty Detection Method for Monitoring Faults in a Kinematic Chain. Shock and Vibration, 2016, 2016, 1-12. | 0.6 | 4 |
| 31 | Reliable methodology for gearbox wear monitoring based on vibration analysis. , 2014, , . | | 3 |
| 32 | Design and control of a mechatronic system for the homogenization of compost in anaerobic digesters. , 2013, , . | | 0 |
| 33 | Novelty Detection Methodology Based on Self-Organizing Maps for Power Quality Monitoring. Artificial Intelligence, 0, , . | 2.3 | 1 |