

Oscar Duque-Perez

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8614580/oscar-duque-perez-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

965
citations

17
h-index

27
g-index

83
ext. papers

1,226
ext. citations

3.7
avg, IF

5.07
L-index

#	Paper	IF	Citations
76	Analysis of the use of the Hanning Window for the measurement of interharmonic distortion caused by close tones in IEC standard framework.. <i>Electric Power Systems Research</i> , 2022 , 206, 107833	3.5	1
75	End-ring wear in deep well submersible motor pumps. <i>IEEE Transactions on Industry Applications</i> , 2022 , 1-1	4.3	1
74	Analysis of the Integration of Drift Detection Methods in Learning Algorithms for Electrical Consumption Forecasting in Smart Buildings. <i>Sustainability</i> , 2022 , 14, 5857	3.6	2
73	End-ring wear in deep well submersible motor pumps 2021 ,		1
72	A Review of Total Harmonic Distortion Factors for the Measurement of Harmonic and Interharmonic Pollution in Modern Power Systems. <i>Energies</i> , 2021 , 14, 6467	3.1	10
71	Mutual Information and Meta-Heuristic Classifiers Applied to Bearing Fault Diagnosis in Three-Phase Induction Motors. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 314	2.6	1
70	Diagnosis of Broken Rotor Bars during the Startup of Inverter-Fed Induction Motors Using the Dragon Transform and Functional ANOVA. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3769	2.6	4
69	Conversion of a Network Section with Loads, Storage Systems and Renewable Generation Sources into a Smart Microgrid. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5012	2.6	2
68	Detection of Broken Rotor Bars in Nonlinear Startups of Inverter-Fed Induction Motors. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 2559-2568	4.3	8
67	Multi-Fault Diagnosis in Three-Phase Induction Motors Using Data Optimization and Machine Learning Techniques. <i>Electronics (Switzerland)</i> , 2021 , 10, 1462	2.6	6
66	Detection and quantification of bar breakage harmonics evolutions in inverter-fed motors through the dragon transform. <i>ISA Transactions</i> , 2021 , 109, 352-367	5.5	7
65	A review of strategies for building energy management system: Model predictive control, demand side management, optimization, and fault detect & diagnosis. <i>Journal of Building Engineering</i> , 2021 , 33, 101692	5.2	80
64	Diagnosis of Broken Bars in Wind Turbine Squirrel Cage Induction Generator: Approach Based on Current Signal and Generative Adversarial Networks. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6942	2.6	1
63	A Data-Driven Forecasting Strategy to Predict Continuous Hourly Energy Demand in Smart Buildings. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7886	2.6	4
62	Fault Detection of Wind Turbine Induction Generators through Current Signals and Various Signal Processing Techniques. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7389	2.6	5
61	Influence of the rail electrification system topology on the energy consumption of train trajectories. <i>IET Renewable Power Generation</i> , 2020 , 14, 3589-3598	2.9	1
60	Estimation of Bearing Fault Severity in Line-Connected and Inverter-Fed Three-Phase Induction Motors. <i>Energies</i> , 2020 , 13, 3481	3.1	6

59	Time-Frequency Analysis Based on Minimum-Norm Spectral Estimation to Detect Induction Motor Faults. <i>Energies</i> , 2020 , 13, 4102	3.1	3
58	A Review of Energy Consumption Forecasting in Smart Buildings: Methods, Input Variables, Forecasting Horizon and Metrics. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8323	2.6	6
57	Condition Monitoring of Bearing Faults Using the Stator Current and Shrinkage Methods. <i>Energies</i> , 2019 , 12, 3392	3.1	5
56	Short-time transient tracking algorithm for a non-residential facility based on characteristic indices. <i>Electric Power Systems Research</i> , 2019 , 171, 185-193	3.5	
55	Analysis and Characterization of Thermographic Defects at the PV Module Level. <i>Communications in Computer and Information Science</i> , 2019 , 80-93	0.3	1
54	Identification of the electrical load by C-means from non-intrusive monitoring of electrical signals in non-residential buildings. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 104, 21-28	5.1	19
53	Study of the harmonic and interharmonic content in electrical signals from photovoltaic generation and their relationship with environmental factors. <i>Journal of Renewable and Sustainable Energy</i> , 2019 , 11, 043502	2.5	4
52	Analysis and characterization of PV module defects by thermographic inspection. <i>Revista Facultad De Ingeniería</i> , 2019 , 92-104	1	8
51	Wind Resource Assessment on Punı Island. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2923	2.6	1
50	Quantitative failure rates and modes analysis in photovoltaic plants. <i>Energy</i> , 2019 , 183, 825-836	7.9	19
49	Reassigned Short Time Fourier Transform and K-means Method for Diagnosis of Broken Rotor Bar Detection in VSD-fed Induction Motors. <i>Advances in Electrical and Computer Engineering</i> , 2019 , 19, 61-68	1.3	1
48	Diagnosis of wind turbine faults using generator current signature analysis: a review. <i>Journal of Quality in Maintenance Engineering</i> , 2019 , 26, 431-458	1.1	5
47	Accurate identification and characterisation of transient phenomena using wavelet transform and mathematical morphology. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 4021-4028	2.5	3
46	A Study of the Effects of Time Aggregation and Overlapping within the Framework of IEC Standards for the Measurement of Harmonics and Interharmonics. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4549	2.6	4
45	Detection of broken rotor bars in non-linear startups of inverter-fed induction motors 2019 ,		4
44	Maintenance Models Applied to Wind Turbines. A Comprehensive Overview. <i>Energies</i> , 2019 , 12, 225	3.1	13
43	An Experimental Comparative Evaluation of Machine Learning Techniques for Motor Fault Diagnosis Under Various Operating Conditions. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 2215-2224	4.3	48
42	Methodology for Flicker Estimation and Its Correlation to Environmental Factors in Photovoltaic Generation. <i>IEEE Access</i> , 2018 , 6, 24035-24047	3.5	17

41	Hybrid algorithmic approach oriented to incipient rotor fault diagnosis on induction motors. <i>ISA Transactions</i> , 2018 , 80, 427-438	5.5	14
40	Technological review of the instrumentation used in aerial thermographic inspection of photovoltaic plants. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 93, 566-579	16.2	59
39	Image Resolution Influence in Aerial Thermographic Inspections of Photovoltaic Plants. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 5678-5686	11.9	33
38	A Comparison of Techniques for Fault Detection in Inverter-Fed Induction Motors in Transient Regime. <i>IEEE Access</i> , 2017 , 5, 8048-8063	3.5	29
37	Evaluation of intelligent approaches for motor diagnosis under changing operational conditions 2017 ,		2
36	Discriminating the lubrication condition from the rotor bearing fault in induction motors using Margenau-Hill frequency distribution and artificial neural networks. <i>Industrial Lubrication and Tribology</i> , 2017 , 69, 970-979	1.3	2
35	Time domain diagnosis of multiple faults in three phase induction motors using intelligent approaches 2017 ,		3
34	Analysis of various inverters feeding induction motors with incipient rotor fault using high-resolution spectral analysis. <i>Electric Power Systems Research</i> , 2017 , 152, 18-26	3.5	16
33	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 3076-3085	4.3	17
32	Early Fault Detection in Induction Motors Using AdaBoost With Imbalanced Small Data and Optimized Sampling. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 3066-3075	4.3	53
31	Bearing fault diagnosis based on Lasso regularization method 2017 ,		4
30	Power Consumption Analysis of Electrical Installations at Healthcare Facility. <i>Energies</i> , 2017 , 10, 64	3.1	10
29	State of the Art and Trends in the Monitoring, Detection and Diagnosis of Failures in Electric Induction Motors. <i>Energies</i> , 2017 , 10, 1056	3.1	49
28	Rotor unbalance and broken rotor bar detection in inverter-fed induction motors at start-up and steady-state regimes by high-resolution spectral analysis. <i>Electric Power Systems Research</i> , 2016 , 133, 142-148	3.5	43
27	A statistical modeling approach to detect anomalies in energetic efficiency of buildings. <i>Energy and Buildings</i> , 2016 , 110, 377-386	7	17
26	Advances in Classifier Evaluation: Novel Insights for an Electric Data-Driven Motor Diagnosis. <i>IEEE Access</i> , 2016 , 4, 7028-7038	3.5	18
25	Detection and diagnosis of lubrication and faults in bearing on induction motors through STFT 2016 ,		10
24	Fault detection in inverter-fed induction motors in transient regime: State of the art 2015 ,		8

23	Analysis of fault signatures for the diagnosis of induction motors fed by voltage source inverters using ANOVA and additive models. <i>Electric Power Systems Research</i> , 2015 , 121, 1-13	3.5	23
22	Supervised diagnosis of induction motor faults: A proposed methodology for an improved performance evaluation 2015 ,		3
21	Mixed eccentricity diagnosis in Inverter-Fed Induction Motors via the Adaptive Slope Transform of transient stator currents. <i>Mechanical Systems and Signal Processing</i> , 2014 , 48, 423-435	7.8	31
20	Transient detection of close components through the chirplet transform: Rotor faults in inverter-fed induction motors 2014 ,		22
19	2014 ,		11
18	Broken bar condition monitoring of an induction motor under different supplies using a linear discriminant analysis 2013 ,		8
17	Early broken rotor bar detection techniques in VSD-fed induction motors at steady-state 2013 ,		10
16	Cost optimization of electrical contracted capacity for large customers. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 46, 123-131	5.1	9
15	Condition monitoring of induction motors fed by Voltage Source Inverters. Statistical analysis of spectral data 2012 ,		9
14	Neural network broken bar detection using time domain and current spectrum data 2012 ,		19
13	Diagnosis of induction motors fed by supplies with high harmonic content using motor current signature analysis 2011 ,		4
12	Robust multivariate control charts for early detection of broken rotor bars in an induction motors fed by a voltage source inverter 2011 ,		7
11	Robust condition monitoring for early detection of broken rotor bars in induction motors. <i>Expert Systems With Applications</i> , 2011 , 38, 2653-2660	7.8	33
10	Eccentricity diagnosis in Inverter - Fed Induction Motors via the Analytic Wavelet Transform of transient currents 2010 ,		9
9	Assessment of the lubrication condition of a bearing using spectral analysis of the stator current 2010 ,		4
8	Determination and Optimization of the Maintenance Frequencies in the Overhead Contact Line System. <i>Journal of Transportation Engineering</i> , 2010 , 136, 964-972		7
7	Practical Aspects of Mixed-Eccentricity Detection in PWM Voltage-Source-Inverter-Fed Induction Motors. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 252-262	8.9	45
6	Experimental identification of induction motor broken bar characteristic frequencies using a programmable power source 2010 ,		4

5	Bearing lubrication assessment using an statistical analysis of the stator current spectrum 2010 ,		3
4	Criticality determination based on failure records for decision-making in the overhead contact line system. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2009 , 223, 485-494	1.4	5
3	Warning procedures for systems that are improving. <i>Quality and Reliability Engineering International</i> , 2008 , 24, 377-387	2.6	2
2	Assessing trends in Duane plots using robust fits. <i>Reliability Engineering and System Safety</i> , 2005 , 90, 106-113	6.3	6
1	Analysis of the behavior of MVDC system in a distribution grid compared to a UPFC system. <i>International Transactions on Electrical Energy Systems</i> , e13038	2.2	