

# Eduardo Quiles

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

439  
citations

1040056

9  
h-index

794594

19  
g-index

40  
all docs

40  
docs citations

40  
times ranked

350  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Intermittent Failure Dynamics Characterization. IEEE Transactions on Reliability, 2012, 61, 649-658.  | 4.6 | 87        |
| 2  | Integration of Marine Wave Energy Converters into Seaports: A Case Study in the Port of Valencia. Energies, 2019, 12, 787.  | 3.1 | 57        |
| 3  | Accurate Sizing of Residential Stand-Alone Photovoltaic Systems Considering System Reliability. Sustainability, 2020, 12, 1274.   | 3.2 | 36        |
| 4  | Evaluating the Effect of Stimuli Color and Frequency on SSVEP. Sensors, 2021, 21, 117.  | 3.8 | 20        |
| 5  | Sensor Buoy System for Monitoring Renewable Marine Energy Resources. Sensors, 2018, 18, 945.  | 3.8 | 19        |
| 6  | Intermittent failure diagnosis in industrial processes. , 0, , .  |     | 17        |
| 7  | AI techniques applied to diagnosis of vibrations failures in wind turbines. IEEE Latin America Transactions, 2020, 18, 1478-1486.   | 1.6 | 17        |
| 8  | Solar Panels String Predictive and Parametric Fault Diagnosis Using Low-Cost Sensors. Sensors, 2022, 22, 332.   | 3.8 | 16        |
| 9  | Low-Cost Robotic Guide Based on a Motor Imagery Brain-Computer Interface for Arm Assisted Rehabilitation. International Journal of Environmental Research and Public Health, 2020, 17, 699. | 2.6 | 13        |
| 10 | Centralized modular diagnosis and the phenomenon of coupling. , 0, , .  |     | 12        |
| 11 | Modular Fault Diagnosis Based on Discrete Event Systems. Discrete Event Dynamic Systems: Theory and Applications, 2005, 15, 237-256.  | 1.5 | 11        |
| 12 | Diagnosis of intermittent fault dynamics. , 2008, , .   |     | 10        |
| 13 | Cross-Platform Implementation of an SSVEP-Based BCI for the Control of a 6-DOF Robotic Arm. Sensors, 2022, 22, 5000.  | 3.8 | 10        |
| 14 | Application of latent nestling method using Coloured Petri Nets for the Fault Diagnosis in the wind turbine subsets. , 2008, , .  |     | 9         |
| 15 | Failure diagnosis of a cement kiln using expert systems. , 0, , .   |     | 8         |
| 16 | Fault diagnosis with Coloured Petri Nets using Latent Nestling Method. , 2008, , .  |     | 8         |
| 17 | Development of a Test Bench for Wind Turbine Condition Monitoring and Fault Diagnosis. IEEE Latin America Transactions, 2019, 17, 907-913.  | 1.6 | 8         |
| 18 | Mechanical Augmentation Channel Design for Turbine Current Generators. Advances in Mechanical Engineering, 2014, 6, 650131.   | 1.6 | 7         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Diagnosis of Intermittent Faults in IGBTs Using the Latent Nestling Method with Hybrid Coloured Petri Nets. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-14.                                     | 1.1 | 7         |
| 20 | Marine NMEA 2000 Smart Sensors for Ship Batteries Supervision and Predictive Fault Diagnosis. <i>Sensors</i> , 2019, 19, 4480.  | 3.8 | 7         |
| 21 | Variable voltage off-shore distribution network for wind farms based on synchronous generators. , 2009, , .   |     | 6         |
| 22 | Centralized Modular Diagnosis and the Phenomenon of Coupling. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , 2006, 16, 311-326.   | 1.5 | 5         |
| 23 | Wave Energy Assessment at Valencia Gulf and Comparison of Energy Production of Most Suitable Wave Energy Converters. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8473. | 2.6 | 5         |
| 24 | Latent Nestling Method: A new fault diagnosis methodology for complex systems. , 2008, , .  |     | 4         |
| 25 | Hydro-wind kinetics integrated module for the renewable energy generation. , 2012, , .  |     | 4         |
| 26 | Optimal maintenance system for offshore wind turbines. <i>Renewable Energy and Power Quality Journal</i> , 2010, 1, 339-343.  | 0.2 | 4         |
| 27 | Predictive Fault Diagnosis for Ship Photovoltaic Modules Systems Applications. <i>Sensors</i> , 2022, 22, 2175.   | 3.8 | 4         |
| 28 | Hybrid Latent Nesting Method: A fault diagnosis case study in the wind turbine subsets. , 2011, , .   |     | 3         |
| 29 | Improving the Sustainability of Self-Consumption with Cooperative DC Microgrids. <i>Sustainability</i> , 2019, 11, 5472.  | 3.2 | 3         |
| 30 | Smart Cooperative Energy Supply Strategy to Increase Reliability in Residential Stand-Alone Photovoltaic Systems. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11723.                                      | 2.5 | 3         |
| 31 | Petri Net Place Associated to a Continuous or Discretized Control Algorithm. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003, 36, 217-222.                            | 0.4 | 2         |
| 32 | Intermittent failure diagnosis based on discrete event models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004, 37, 147-152.  | 0.4 | 2         |
| 33 | Augmentation Channel Design for a Marine Current Turbine in a Floating Cogenerator. <i>IEEE Latin America Transactions</i> , 2017, 15, 1068-1076.   | 1.6 | 2         |
| 34 | Mathematical Model of a Cogeneration System composed of a Floating Wind Turbine and Two Marine Current Turbines. , 2018, , .  |     | 2         |
| 35 | Intelligent alarm management. , 2011, , .   |     | 1         |
| 36 | A Modular Neural Network Scheme Applied to Fault Diagnosis in Electric Power Systems. <i>Scientific World Journal</i> , The, 2014, 2014, 1-13.  | 2.1 | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | PNPACDA, Petri nets with places associated to continuous or discretized control algorithms for hybrid systems modelling. , 0, , .        |     | 0         |
| 38 | New Formulation through Artificial Neural Networks in the Diagnosis of Faults in Power Systems: A Modular Approach. , 2008, , .          |     | 0         |
| 39 | Self-growing colored petri net for offshore wind turbines maintenance systems. Renewable Energy and Power Quality Journal, 0, , 530-534. | 0.2 | 0         |