

# Jussara Fardin

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

288  
citations

933447

10  
h-index

996975

15  
g-index

25  
all docs

25  
docs citations

25  
times ranked

309  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Optimal allocation of distributed generation and capacitor banks using probabilistic generation models with correlations. <i>Applied Energy</i> , 2022, 307, 118097.  | 10.1 | 26        |
| 2  | The Virtual Synchronous Generator control for transient stability support in power systems with large-scale renewable plants. <i>Revista Principia</i> , 2021, 1, 166.  | 0.1  | 1         |
| 3  | Single-terminal fault location in HVDC lines with accurate wave velocity estimation. <i>Electric Power Systems Research</i> , 2021, 194, 107057.  | 3.6  | 10        |
| 4  | Measured and forecasted weather and power dataset for management of an island and grid-connected microgrid. <i>Data in Brief</i> , 2021, 39, 107513.  | 1.0  | 8         |
| 5  | Hybrid Model of Artificial Neural Network-Cuckoo Search for Irradiance and Load Forecasting. , 2021, , .  |      | 0         |
| 6  | Management of an island and grid-connected microgrid using hybrid economic model predictive control with weather data. <i>Applied Energy</i> , 2020, 278, 115581.   | 10.1 | 37        |
| 7  | Modeling and experimental validation of a PEM fuel cell in steady and transient regimes using PSCAD/EMTDC software. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30870-30881.                                  | 7.1  | 12        |
| 8  | Adaptive Armature Resistance Control of Virtual Synchronous Generators to Improve Power System Transient Stability. <i>Energies</i> , 2020, 13, 2365.   | 3.1  | 5         |
| 9  | Open-Loop Single-Phase Space State Model and Equivalent Circuit of a Non-Conventional Three-Phase Inverter. <i>Electronics (Switzerland)</i> , 2020, 9, 744.  | 3.1  | 2         |
| 10 | A new hybrid multilevel converter for DFIG-based wind turbines fault ride-through and transient stability enhancement. <i>Electrical Engineering</i> , 2020, 102, 1035-1050.  | 2.0  | 10        |
| 11 | Thermochemical and electrical model of a solid oxide fuel cell. , 2020, , .   |      | 1         |
| 12 | Demand-side energy management by cooperative combination of plans: A multi-objective method applicable to isolated communities. <i>Applied Energy</i> , 2019, 240, 453-472.   | 10.1 | 22        |
| 13 | Educational tool for radial electrical distribution networks analysis and optimization studies involving distributed generation units. <i>International Journal of Electrical Engineering and Education</i> , 2018, 55, 3-13. | 0.8  | 11        |
| 14 | Power unit SOFC-MTG model in Electromagnetic Transient Software PSCAD. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 5386-5397.   | 7.1  | 5         |
| 15 | Study of combined cycle of Solid Oxide Fuel Cell with Micro Gas Turbines. , 2017, , .   |      | 0         |
| 16 | Distributed Generation Units as Ancillary Services Providers in a Pre Smart Grid Environment. <i>International Journal of Emerging Electric Power Systems</i> , 2017, 18, .   | 0.8  | 0         |
| 17 | Modeling of loads dependent on harmonic voltages. <i>Electric Power Systems Research</i> , 2017, 152, 367-376.  | 3.6  | 19        |
| 18 | The Influence of Distributed Generation Units Penetration in the Technical Planning Process of Electrical Distribution Networks. <i>IEEE Latin America Transactions</i> , 2017, 15, 2144-2151.                                | 1.6  | 5         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Prospects of life estimation of low voltage electrical cables insulated by PVC by emissivity measurement. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 3951-3958.                      | 2.9 | 6         |
| 20 | Design and analysis of hybrid energy systems: The Brazilian Antarctic Station case. Renewable Energy, 2016, 88, 236-246.  | 8.9 | 17        |
| 21 | Energy storage systems for power oscillation damping in distributed generation based on wind turbines with PMSG. , 2015, , .  |     | 3         |
| 22 | Optimal Placement of Distributed Generation Units in a Distribution System with Uncertain Topologies using Monte Carlo Simulation. International Journal of Emerging Electric Power Systems, 2015, 16, 431-441. | 0.8 | 11        |
| 23 | Estimation of irradiance and temperature using photovoltaic modules. Solar Energy, 2014, 110, 132-138.  | 6.1 | 30        |
| 24 | Identification of photovoltaic model parameters by Differential Evolution. , 2010, , .  |     | 47        |