

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	Identification of photovoltaic model parameters by Differential Evolution. , 2010, , .		47
2	Management of an island and grid-connected microgrid using hybrid economic model predictive control with weather data. Applied Energy, 2020, 278, 115581.	10.1	37
3	Estimation of irradiance and temperature using photovoltaic modules. Solar Energy, 2014, 110, 132-138.	6.1	30
4	Optimal allocation of distributed generation and capacitor banks using probabilistic generation models with correlations. Applied Energy, 2022, 307, 118097.	10.1	26
5	Demand-side energy management by cooperative combination of plans: A multi-objective method applicable to isolated communities. Applied Energy, 2019, 240, 453-472.	10.1	22
6	Modeling of loads dependent on harmonic voltages. Electric Power Systems Research, 2017, 152, 367-376.	3.6	19
7	Design and analysis of hybrid energy systems: The Brazilian Antarctic Station case. Renewable Energy, 2016, 88, 236-246.	8.9	17
8	Modeling and experimental validation of a PEM fuel cell in steady and transient regimes using PSCAD/EMTDC software. International Journal of Hydrogen Energy, 2020, 45, 30870-30881.	7.1	12
9	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
10	Educational tool for radial electrical distribution networks analysis and optimization studies involving distributed generation units. International Journal of Electrical Engineering and Education, 2018, 55, 3-13.	0.8	11
11	Single-terminal fault location in HVDC lines with accurate wave velocity estimation. Electric Power Systems Research, 2021, 194, 107057.	3.6	10
12	A new hybrid multilevel converter for DFIG-based wind turbines fault ride-through and transient stability enhancement. Electrical Engineering, 2020, 102, 1035-1050.	2.0	10
13	Measured and forecasted weather and power dataset for management of an island and grid-connected microgrid. Data in Brief, 2021, 39, 107513.	1.0	8
14	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
15	The Influence of Distributed Generation Units Penetration in the Technical Planning Process of Electrical Distribution Networks. IEEE Latin America Transactions, 2017, 15, 2144-2151.	1.6	5
16	Power unit SOFC-MTG model in Electromagnetic Transient Software PSCAD. International Journal of Hydrogen Energy, 2018, 43, 5386-5397.	7.1	5
17	Adaptive Armature Resistance Control of Virtual Synchronous Generators to Improve Power System Transient Stability. Energies, 2020, 13, 2365.	3.1	5
18	Energy storage systems for power oscillation damping in distributed generation based on wind turbines with PMSC. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	Open-Loop Single-Phase Space State Model and Equivalent Circuit of a Non-Conventional Three-Phase Inverter. Electronics (Switzerland), 2020, 9, 744.	3.1	2
20	The Virtual Synchronous Generator control for transient stability support in power systems with large-scale renewable plants. Revista Principia, 2021, 1, 166.	0.1	1
21	Thermochemical and electrical model of a solid oxide fuel cell. , 2020, , .		1
22	Study of combined cycle of Solid Oxide Fuel Cell with Micro Gas Turbines. , 2017, , .		0
23	Distributed Generation Units as Ancillary Services Providers in a Pre Smart Grid Environment. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.8	0
24	Hybrid Model of Artificial Neural Network-Cuckoo Search for Irradiance and Load Forecasting. , 2021, , .		0