

Bernardo Alvarenga

List of Publications by Year in descending order

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31
papers

205
citations

1163117

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all docs

31
docs citations

31
times ranked

259
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Efficiency and Distributed Generation: A Case Study Applied in Public Institutions of Higher Education. <i>Energies</i> , 2022, 15, 1217.	3.1	2
2	Visual Market equilibrium model for power seller multi-microgrid based on a graphic game. <i>Conjeturas</i> , 2021, 21, 18-37.	0.0	0
3	Multiple Site Intraday Solar Irradiance Forecasting by Machine Learning Algorithms: MGPP and MLP Neural Networks. <i>Energies</i> , 2020, 13, 3005.	3.1	27
4	On-Load Apparent Inductance Derivative of IPMSM: Assessment Method and Torque Estimation. <i>IEEE Transactions on Magnetics</i> , 2020, 56, 1-10.	2.1	5
5	Design of a robust current controller for grid-connected photovoltaic systems based on cascaded multilevel inverter. <i>IET Renewable Power Generation</i> , 2020, 14, 713-724.	3.1	7
6	Anisotropic layer model theory applied to synchronous machine analysis. <i>IET Electric Power Applications</i> , 2020, 14, 2873-2880.	1.8	0
7	Intra-day forecasting of building-integrated PV systems for power systems operation using ANN ensemble. , 2019, , .		5
8	A Fault Tolerant Induction Motor Drive. , 2019, , .		1
9	Influence of Vector Control Strategies on Magnetic Saturation and its Effects on Torque Ripple of a PMSM. , 2018, , .		2
10	On-Load Back EMF of PMSM Using Maxwell Stress Tensor. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-15.	2.1	17
11	Analysis of inverter sizing ratio for PV systems considering local climate data in central Brazil. <i>IET Renewable Power Generation</i> , 2017, 11, 1364-1370.	3.1	11
12	Wavelet Transform analysis for grid-connected photovoltaic systems. , 2017, , .		3
13	Proposal of Model Predictive Control (MPC) method for a three-phase four-leg inverter applied in a distributed generation system. , 2017, , .		5
14	Photovoltaic Energy Prediction Analysis Considering Tilt and Azimuthal Orientation in Brazil. , 2016, , .		0
15	Troubleshooting in geoelectrical prospecting using real-coded genetic algorithm with chromosomal extrapolation. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2015, 28, 78-95.	1.9	1
16	Particle Swarm Optimization with multi-ring topology applied to the optimization of power transmission line parameters. , 2015, , .		2
17	Heuristic and deterministic strategies applied on a PID controller tuning for speed control of a DC motor. , 2013, , .		5
18	3-D Soil Stratification Methodology for Geoelectrical Prospection. <i>IEEE Transactions on Power Delivery</i> , 2012, 27, 1636-1643.	4.3	16

#	ARTICLE	IF	CITATIONS
19	Salient poles synchronous machine simulation, validation and inductance determination procedure. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2012, 25, 192-204.	1.9	1
20	Carter's factor calculation using domain transformations and the finite element method. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2012, 25, 236-247.	1.9	9
21	Modeling validation of Salient Pole Synchronous Machines from experimental inductances. , 2011, , .		2
22	A new methodology to calculate Carter factor using genetic algorithms. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2011, 24, 387-399.	1.9	8
23	Methodology for the reduction of parameters in the inverse transformation of Schwarzâ€“Christoffel applied to electromagnetic devices with axial geometry. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2011, 24, 568-582.	1.9	4
24	Electromagnetic Problems Solving by Conformal Mapping: A Mathematical Operator for Optimization. Mathematical Problems in Engineering, 2010, 2010, 1-19.	1.1	12
25	Proposal of a test bench for switched reluctance motors and fractional-horsepower single-phase induction motors. , 2009, , .		1
26	Faults and defects in power transformers - a case study. , 2009, , .		6
27	Proposal of a test bench for switched reluctance motors and fractional-horsepower single-phase induction motors. , 2009, , .		3
28	New Concept for Lifting in Onshore Oil Wells. IEEE Transactions on Industry Applications, 2008, 44, 951-961.	4.9	8
29	Analysis of a three-phase induction machine including time and space harmonic effects: the a, b, c reference frame. IEEE Transactions on Energy Conversion, 1999, 14, 80-85.	5.2	36
30	Thermal characterization of long electrical devices-application to a tubular linear induction motor. , 0, , .		5
31	Novel Vector Control Approach for Switched Reluctance Machines Based on Non-Sinusoidal dq Transform. Journal of Control, Automation and Electrical Systems, 0, , 1.	2.0	1