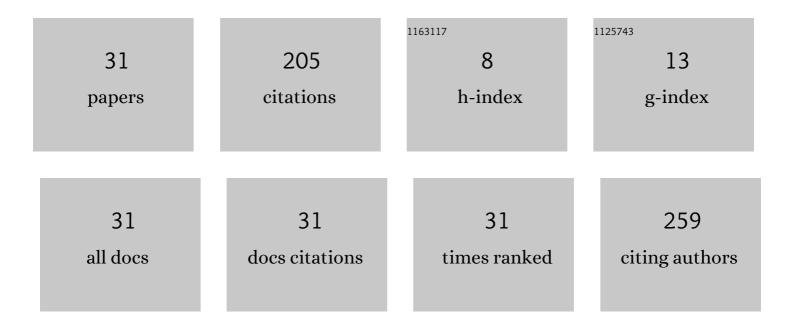
Bernardo Alvarenga

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	Multiple Site Intraday Solar Irradiance Forecasting by Machine Learning Algorithms: MGGP and MLP Neural Networks. Energies, 2020, 13, 3005.	3.1	27
3	On-Load Back EMF of PMSM Using Maxwell Stress Tensor. IEEE Transactions on Magnetics, 2018, 54, 1-15.	2.1	17
4	3-D Soil Stratification Methodology for Geoelectrical Prospection. IEEE Transactions on Power Delivery, 2012, 27, 1636-1643.	4.3	16
5	Electromagnetic Problems Solving by Conformal Mapping: A Mathematical Operator for Optimization. Mathematical Problems in Engineering, 2010, 2010, 1-19.	1.1	12
6	Analysis of inverter sizing ratio for PV systems considering local climate data in central Brazil. IET Renewable Power Generation, 2017, 11, 1364-1370.	3.1	11
7	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
8	New Concept for Lifting in Onshore Oil Wells. IEEE Transactions on Industry Applications, 2008, 44, 951-961.	4.9	8
9	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
10	Design of a robust current controller for grid onnected photovoltaic systems based on cascaded multilevel inverter. IET Renewable Power Generation, 2020, 14, 713-724.	3.1	7
11	Faults and defects in power transformers - a case study. , 2009, , .		6
12	Thermal characterization of long electrical devices-application to a tubular linear induction motor. , 0, , .		5
13	Heuristic and deterministic strategies applied on a PID controller tuning for speed control of a DC motor. , 2013, , .		5
14	Proposal of Model Predictive Control (MPC) method for a three-phase four-leg inverter applied in a distributed generation system. , 2017, , .		5
15	Intra-day forecasting of building-integrated PV systems for power systems operation using ANN ensemble. , 2019, , .		5
16	On-Load Apparent Inductance Derivative of IPMSM: Assessment Method and Torque Estimation. IEEE Transactions on Magnetics, 2020, 56, 1-10.	2.1	5
17	Methodology for the reduction of parameters in the inverse transformation of Schwarz–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
18	Proposal of a test bench for switched reluctance motors and fractional-horsepower single-phase		3

induction motors. , 2009, , .

#	Article	IF	CITATIONS
19	Wavelet Transform analysis for grid-connected photovoltaic systems. , 2017, , .		3
20	Modeling validation of Salient Pole Synchronous Machines from experimental inductances. , 2011, , .		2
21	Particle Swarm Optimization with multi-ring topology applied to the optimization of power transmission line parameters. , 2015, , .		2
22	Influence of Vector Control Strategies on Magnetic Saturation and its Effects on Torque Ripple of a PMSM. , 2018, , .		2
23	Energy Efficiency and Distributed Generation: A Case Study Applied in Public Institutions of Higher Education. Energies, 2022, 15, 1217.	3.1	2
24	Proposal of a test bench for switched reluctance motors and fractional-horsepower single-phase induction motors. , 2009, , .		1
25	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
26	Troubleshooting in geoelectrical prospecting using real oded genetic algorithm with chromosomal extrapolation. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2015, 28, 78-95.	1.9	1
27	A Fault Tolerant Induction Motor Drive. , 2019, , .		1
28	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
29	Visual Market equilibrium model for power seller multi-microgrid based on a graphic game. Conjeturas, 2021, 21, 18-37.	0.0	0
30	Photovoltaic Energy Prediction Analysis Considering Tilt and Azimuthal Orientation in Brazil. , 2016, , .		0
31	Anisotropic layer model theory applied to synchronous machine analysis. IET Electric Power Applications, 2020, 14, 2873-2880.	1.8	0