# Bernardo Alvarenga

List of Publications by Year
in descending order

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|---|---|---|---|
| 31 papers | 205 citations | 1163117<br>8 h-index | 1125743<br>13 g-index |
| 31 all docs | 31 docs citations | 31 times ranked | 259 citing authors |

| # | 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‐connected 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 induction motors. , 2009, , . | | 3 |

| # | 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€coded 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 |