

João A Vasconcelos

List of Publications by Year in descending order

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19
papers

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1307594

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1281871

11
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19
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docs citations

19
times ranked

227
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Robust Multi-Objective TEAM 22 Problem: A Case Study of Uncertainties in Design Optimization. IEEE Transactions on Magnetics, 2009, 45, 1028-1031. | 2.1 | 48 |
| 2 | Parallel layer perceptron. Neurocomputing, 2003, 55, 771-778. | 5.9 | 26 |
| 3 | Conducted EMI of DC-DC Converters With Parametric Uncertainties. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 699-706. | 2.2 | 19 |
| 4 | A Finite-Element Approach for Electric Field Computation at the Surface of Overhead Transmission Line Conductors. IEEE Transactions on Magnetics, 2018, 54, 1-4. | 2.1 | 19 |
| 5 | Appraisal of Surrogate Modeling Techniques: A Case Study of Electromagnetic Device. IEEE Transactions on Magnetics, 2013, 49, 1993-1996. | 2.1 | 15 |
| 6 | A Surrogate Genetic Programming Based Model to Facilitate Robust Multi-Objective Optimization: A Case Study in Magnetostatics. IEEE Transactions on Magnetics, 2013, 49, 2065-2068. | 2.1 | 14 |
| 7 | Robust Design of an Axial-Flux Permanent Magnet Synchronous Generator Based on Many-Objective Optimization Approach. IEEE Transactions on Magnetics, 2018, 54, 1-4. | 2.1 | 13 |
| 8 | Monotonically Improving Yagi-Uda Conflicting Specifications Using the Dominating Cone Line Search Method. IEEE Transactions on Magnetics, 2009, 45, 1494-1497. | 2.1 | 7 |
| 9 | Optimization of compact overhead lines of 138/230kV: Optimal selection and arrangement of cables and definition of the best transmission line tower topology. , 2017, , . | | 7 |
| 10 | Multi-objective evolutionary algorithms for the truck dispatch problem in open-pit mining operations. Learning and Nonlinear Models, 2019, 17, 53-66. | 0.2 | 7 |
| 11 | A Genetic Algorithm for Multi-component Optimization Problems: The Case of the Travelling Thief Problem. Lecture Notes in Computer Science, 2017, , 18-29. | 1.3 | 6 |
| 12 | Electromechanical design for an optimized axial flux permanent magnet torus machine for 10kW wind turbine. , 2011, , . | | 3 |
| 13 | Conducted interferences of power converters with parametric uncertainties in the frequency domain. , 2012, , . | | 3 |
| 14 | Design of an axial flux permanent magnet machine for automotive energy efficiency competition. , 2011, , . | | 1 |
| 15 | A Posteriori Strategy to Identify Robust Solutions in the Many-Objective Design Optimization of an Axial-Flux Permanent Magnet Synchronous Generator. , 2019, , . | | 1 |
| 16 | Simplex-based adaptive parametric model order reduction for applications in optimization. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2019, 32, e2264. | 1.9 | 1 |
| 17 | A generalized iterative multiregion technique to solve the nonhomogeneous electromagnetic wave equation. Microwave and Optical Technology Letters, 2007, 49, 1921-1926. | 1.4 | 0 |
| 18 | Hybrid natural element - Boundary element method applied to solve electromagnetic scattering problem. , 2016, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Multi-objective evolutionary algorithms for the truck dispatch problem in open-pit mining operations. Learning and Nonlinear Models, 2019, 17, 53-66. | 0.2 | 0 |