

## **Lista de artigos publicados em revistas Q1 (Scimago) no período (2012-2021)**

### **Classificação Q1 à data da publicação do artigo**

1. "Residential energy flexibility characterization using non-intrusive load monitoring," Elnaz Azizia, Roya Ahmadihangar, Argo Rosin, Joao Martins, Rui AmaralLopes, M. TH. Beheshti, Sadegh Bolouki, Sustainable Cities and Society, Volume 75, 2021.
2. "Industrial Electronics Education: Past, Present, and Future Perspectives," ÓSCAR LUCÍA, JOAO F. MARTINS, M. YOUSEF IBRAHIM, KAZUHIRO UMETANI, LUIS GOMES, EIJI HIRAKI, HOUCINE ZEROUG and MILOS MANIC, in IEEE Industrial Electronics Magazine, vol. 15, no. 1, pp. 140-154, March 2021.
3. "Optimization and Implementation of the Proportional-Resonant Controller for Grid-Connected Inverter With Significant Computation Delay," O. Husev, C. Roncero-Clemente, E. Makovenko, S. P. Pimentel, D. Vinnikov and J. Martins, in IEEE Transactions on Industrial Electronics, vol. 67, no. 2, pp. 1201-1211, Feb. 2020.
4. "Three-level quadratic boost DC-DC converter associated to a SRM drive for water pumping photovoltaic powered systems," Armando Cordeiro, V. Fernão Pires, Daniel Foito, A.J. Pires, J.F. Martins, Solar Energy, Volume 209, 2020.
5. "Characterisation and use of energy flexibility in water pumping and storage systems," Rui Amaral Lopes, Rune Grønborg Junker, João Martins, João Murta-Pina, Glenn Reynders, Henrik Madsen, Applied Energy, Volume 277, 2020.
6. "Automated energy storage and curtailment system to mitigate distribution transformer aging due to high renewable energy penetration," Humberto Queiroz, Rui Amaral Lopes, João Martins, Electric Power Systems Research, Volume 182, 2020.
7. "A Multilevel Fault-Tolerant Power Converter for a Switched Reluctance Machine Drive," V. Fernão Pires, A. Cordeiro, D. Foito, A. J. Pires, J. Martins and H. Chen, in IEEE Access, vol. 8, pp. 21917-21931, 2020.
8. "High-precision non-linear modelling method for a switched reluctance linear machine by interpolation with using variant sigmoid function," Rui Nie, Hao Chen, Haiying Wang, Shuyan Zhao, Xing Wang, Vitor Pires, João Martins, Yassen Gorbounov, in IET Electric Power Applications, vol. 14, no. 3, pp. 512-522, 3 2020.
9. "Resilient and Immune by Design Microgrids Using Solid State Transformers", Sanduleac, M.; Martins, J.F.; Ciornei, I.; Albu, M.; Toma, L.; Pires, V.F.; Hadjidemetriou, L.; Sauba, R.. Energies 2018, 11, 3377.
10. "Optimal Charge/Discharge Scheduling of Batteries in Microgrids of Prosumers," Ruiz-Cortes, Mercedes; Gonzalez-Romera, Eva; Amaral Lopes, Rui & Romero-Cadaval, Enrique; Martins, Joao; Isabel Milanes Montero, Maria; Barrero, Fermin. (2018). IEEE Transactions on Energy Conversion. PP. 1-1. 10.1109/TEC.2018.2878351
11. "A case study on the impact of nearly Zero-Energy Buildings on distribution transformer aging", Rui Amaral Lopes, Pedro Magalhães, João Pedro Gouveia, Daniel Aelenei, Celson Lima, João Martins, Energy, Volume 157, 2018, Pages 669-678, ISSN 0360-5442

12. "Energy flexible buildings: An evaluation of definitions and quantification methodologies applied to thermal storage", Glenn Reynders, Rui Amaral Lopes, Anna Marszal-Pomianowska, Daniel Aelenei, João Martins, Dirk Saelens, *Energy and Buildings*, Volume 166, 2018, Pages 372-390, ISSN 0378-7788
13. "Energy consumption awareness in manufacturing and production systems", V Delgado-Gomes, JA Oliveira-Lima, JF Martins, *International Journal of Computer Integrated Manufacturing* 30 (1), 84-95, 2016.
14. "Quasi-Z-Source Inverter With a T-Type Converter in Normal and Failure Mode", V. Fernaldo Pires, A. Cordeiro, D. Foito, J. Martins, *IEEE Transactions on Power Electronics* , vol.31, no.11, 2016.
15. "A cooperative net zero energy community to improve load matching", Rui Amaral Lopes, João Martins, Daniel Aelenei, Celson Pantoja Lima, *Renewable Energy*, Volume 93, August 2016, Pages 1-13.
16. "A fuzzy clustering approach to a demand response model", R. Pereira, A. Fagundes, R. Melício, V.M.F. Mendes, J. Figueiredo, J. Martins, J.C. Quadrado, *International Journal of Electrical Power & Energy Systems*, Volume 81, October 2016, Pages 184-192.
17. "Load forecast on intelligent buildings based on temporary occupancy monitoring", Jose A. Oliveira-Lima, Ramiro Morais, J.F. Martins, Adrian Florea, Celson Lima, *Energy and Buildings*, Volume 116, 15 March 2016, Pages 512-521.
18. "Photovoltaics in Microgrids: An Overview of Grid Integration and Energy Management Aspects", Bacha, S., Picault, D., Burger, B., Etxeberria-Otadui, I., Martins, J., *Industrial Electronics Magazine, IEEE* , vol.9, no.1, pp.33-46, March 2015.
19. "Consumer Energy Management System with Integration of Smart Meters", R. Pereira, J. Figueiredo, R. Melicio, V.M.F. Mendes, J. Martins, J.C. Quadrado, *Elsevier Energy Reports*, Volume 1, November 2015, Pages 22-29.
20. "Scale models formulation of switched reluctance generators for low speed energy converters," P. Lobato, J. A. Dente, J. F. Martins and A. J. Pires, in *IET Electric Power Applications*, vol. 9, no. 9, pp. 652-659, 11 2015.
21. "Standard-based service-oriented infrastructure to integrate intelligent buildings in distributed generation and smart grids", José A. Oliveira-Lima, Vasco Delgado-Gomes, João F. Martins, Celson Lima, *Energy and Buildings*, Volume 76, June 2014, Pages 450-458.
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23. "Analysis of the effects of asymmetric faults in three-phase superconducting inductive fault current limiters", R Ferreira, J M Pina, N Vilhena, P Arsénio, A G Pronto, J Martins, *Journal of Physics: Conference Series*, Volume 507, Part 3, 2014.
24. "Dual-inverter for grid-connected photovoltaic system: Modeling and sliding mode control", V. Fernaldo Pires, J.F. Martins, Chen Hao, *Solar Energy*, Volume 86, Issue 7, July 2012, Pages 2106-2115.