

## **Lista de artigos publicados em revistas Q1 (Scimago) no período (2013-2022)**

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

1. "Synthetic Sensorless Control Scheme for Full-Speed Range of Switched Reluctance Machine Drives with Fault-Tolerant Capability," D. Zhou, H. Chen, X. Wang, V. F. Pires and J. Martins, in IEEE Transactions on Transportation Electrification, 2022.
2. "Transactive Energy: Power Electronics Challenges," J. F. Martins, E. Romero-Cadaval, D. Vinnikov and M. Malinowski, in IEEE Power Electronics Magazine, vol. 9, no. 1, pp. 20-32, March 2022.
3. "Guest Editorial: Smart Meters in the Smart Grid of the Future," J. Martins, T. I. Strasser and M. Sănduleac, in IEEE Transactions on Industrial Informatics, vol. 18, no. 1, pp. 653-655, Jan. 2022.
4. "Coupling Analysis of Differential Power Processing-based PV system and its Decoupling Implementation of Synchronous MPPT Control," Deguang Xu, Hao Chen, Xing Wang, Vítor Pires, Joao Martins, Alecksey Anuchin, Xiaodong Li, Ryszard Palka, Jason Gu, in IEEE Transactions on Industrial Electronics, 2022.
5. "Design and Multiobjective Optimization of A Double-stator Axial Flux SRM with Full-pitch Winding Configuration," Fengyuan Yu, Hao Chen, Wenju Yan, Vitor Pires, Joao Martins, Pavol Rafajdus, Antonino Musolino, Luca Sani, Miguel Pablo Aguirre, Muhammad Asghar Saqib, Mohamed Orabi, and Xiaodong Li, in IEEE Transactions on Transportation Electrification, 2022.
6. "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.
7. "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.
8. "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.
9. "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.
10. "Characterisation and use of energy flexibility in water pumping and storage systems," Rui Amaral Lopes, Rune Grønberg Junker, João Martins, João Murta-Pina, Glenn Reynders, Henrik Madsen, Applied Energy, Volume 277, 2020.
11. "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.

12. "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.
13. "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.
14. "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.
15. "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
16. "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
17. "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
18. "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.
19. "Quasi-Z-Source Inverter With a T-Type Converter in Normal and Failure Mode", V. Fernao Pires, A. Cordeiro, D. Foito, J. Martins, IEEE Transactions on Power Electronics , vol.31, no.11, 2016.
20. "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.
21. "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.
22. "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.
23. "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.

24. "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.
25. "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.
26. "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.
27. "Power converter interfaces for electrochemical energy storage systems – A review", V. Fernão Pires, Enrique Romero-Cadaval, D. Vinnikov, I. Roasto, J.F. Martins, Energy Conversion and Management, Volume 86, October 2014, Pages 453-475.
28. "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.