

Articole

1. A.Calborean, **O.Bruj**, T.Murariu, C.Morari „Resonance frequency analysis of lead-acid cells: An EIS approach to predict the state-of-health”, Journal of Energy Storage vol. 27, 101143, 2020.
<https://doi.org/10.1016/j.est.2019.101143>
2. D.C. Popa, D.D. Micu, **O. Miron**, L.Szabo „Optimized Design of a Novel Modular Tubular Transverse Flux Reluctance Machine”, IEEE Transactions on Magnetics, vol. 49, no.11, pg. 5533-5542, 2013.
DOI: [10.1109/TMAG.2013.2269537](https://doi.org/10.1109/TMAG.2013.2269537)
3. **O. Miron**, D.D. Micu, D. Desideri, A. Maschio „Numerical Techniques Applied in PEEC method Implementation”, Buletinul AGIR, nr.3/2012, pg.725-729, 2012.
4. **O. Miron**, D.D. Micu, Czumbil L., „Stability study comparison of a MNA matrix system in PEEC method”, 46th International Universities’ Power Engineering ,IEEEExplore, London, England, 2012.
DOI: [10.1109/UPEC.2012.6398682](https://doi.org/10.1109/UPEC.2012.6398682)
5. **O. Miron**, D.D. Micu, D. Desideri, A. Maschio „Numerical Techniques Applied in PEEC method Implementation”, Buletinul AGIR, nr.3/2012, pg.725-729, 2012.
6. D. Desideri, A. Maschio, D.D.Micu, **O.Miron** „Identification of an equivalent model for the permanent magnets of a magnetron sputtering device”, COMPEL:The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, vol.2, pg. 514-527, 2012.
<https://doi.org/10.1108/03321641211200563>
7. Desideri D., Maschio A., Micu D.D., **O. Miron**, M. Spolaore „Equivalent Model of a Magnetron Sputtering Device with Ferromagnetic Yoke”, Przegląd Elektrotechniczny (Electrical Review), ISI, ISSN-0033-2097, R.88 NR. 7b, pg. 134-137, 2012.
8. **O.Miron.**, Desideri D., A. Maschio, P. Alotto, D.D. Micu „A new experimental set-up for shielding effectiveness measurements ”, 46th International Universities’ Power Engineering, UPEC, IEEEExplore, Septembrie 2011, Soest, Germany.
9. **O.Miron.**, D. Desideri, D.D. Micu, A. Maschio, A. Ceclan, L. Czumbil „Estimation of an equivalent short solenoid model using different numerical methods”, 8th International Conference on Computation in Electromagnetics, Archives of Electrical Engineering, Vol.60(4), pg.433-444, 2011.
DOI: [10.1049/cp.2011.0025](https://doi.org/10.1049/cp.2011.0025)
10. O. A Pop., D. D. Micu, A. Taut, **O. Miron**, A. Grama “Analysis and simulation of a half bridge inverter for induction heating applications”, EHE, Coimbra, Portugal, 2011.
11. Desideri D., **O. Miron**, Maschio A., Micu D. D. „Reconstruction of a magnetostatic source of a magnetron sputtering device”, Acta Electrotehnica, pg.119-122, ISSN 1841-3323, 2010.
12. A. Ceclan, V.Topa, D.D. Micu, **O. Miron**, Czumbil L. „Numerical tools for lightning return stroke current reconstruction by electromagnetic inverse problem formulation”, International Conference on Clean Electrical Power - ICCEP, IEEEExplore, Napoli, Italy, 2011.
DOI: [10.1109/ICCEP.2011.6036299](https://doi.org/10.1109/ICCEP.2011.6036299)
13. D.D Micu, L. Czumbil., G. Christoforidis, A. Ceclan, **Miron O.**, “User friendly EMI software for induced A.C. potential evaluation”, The 8th International Conference on Computation in Electromagnetics, CEM 2011, 11-12, Wroclaw, Poland, IEEEExplore, ISBN 978-1-84919-468-6, pp.34-38.

Brevete

1. C. Cantemir., O.Bruj. “Electric Machine, Tuned Winding Geometry and Technology, United States Patent Application 20200119610, 04/16/2020.
2. V.Surducan, E.Surducan, O. Bruj, G. Mihăilescu “Device for accumulators charging, measure and balancing by sequential commutation”, Patent pending A00363, 2019.