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Predeterminarea pierderilor de energie pentru proiectarea îmbunătățită a miezurilor
nanocompozite magnetice moi în aplicații având game extinse de frecvențe



10-th International Symposium on Advanced Topics in Electrical Engineering (ATEE'2017), 23-25 martie 2017, București.

1. V. Ionita, E. Cazacu, L. Petrescu – Remarks about the magnetic characterization of magnetite nanopowders, *Proc. of 10-th Int. Symp. on Advanced Topics in Electrical Engineering (ATEE'2017)*, Bucharest, March 2017, ISBN 978-1-5090-5160-1, ISSN: 1843-8571, pp. 369-372, <https://doi.org/10.1109/ATEE.2017.7905176>, WOS:000403399400072.
2. E. Cazacu, V. Ionita, L. Petrescu – An efficient method for investigating the ferroresonance of single-phase iron core devices, *Proc. of 10-th Int. Symp. on Advanced Topics in Electrical Engineering (ATEE'2017)*, Bucharest, March 2017, ISSN: 1843-8571, ISBN 978-1-5090-5160-1, pp. 363-368, <https://doi.org/10.1109/ATEE.2017.7905167>, WOS:000403399400071.
3. A. Bordianu – Losses analysis for a soft magnetic composite material, *Proc. of 10-th Int. Symp. on Advanced Topics in Electrical Engineering (ATEE'2017)*, Bucharest, March 2017, ISSN: 1843-8571, ISBN 978-1-5090-5160-1, pp. 382-385, <https://doi.org/10.1109/ATEE.2017.7905064>, WOS:000403399400075.



7th International Conference on Modern Power Systems (MPS 2017), 06-09 June 2017, Cluj-Napoca

4. V. Ionita, L. Petrescu, E. Cazacu, E.-A. Patroi, E. Manta - Improved prediction of hysteresis losses in electrical machine cores, *7th International Conference on Modern Power Systems (MPS 2017)*, 06-09 June 2017, Cluj-Napoca, pp. 1-4, Romania IEEE Catalog Number CFP17MPR-USB, ISBN: 978-1-5090-6564-6, DOI: 10.1109/MPS.2017.7974403.
 5. E. Cazacu, V. Ionita, L. Petrescu - Flux-current description of some particular iron core devices, *7th International Conference on Modern Power Systems (MPS 2017)*, 06-09 June 2017, Cluj-Napoca, pp. 1-4, Romania IEEE Catalog Number CFP17MPR-USB, ISBN: 978-1-5090-6564-6, DOI: 10.1109/MPS.2017.7974373.
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International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, Romania, 25 - 27 Mai 2017

6. L. Petrescu, V. Ionita, E. Cazacu, C. Petrescu – Steinmetz' parameters fitting procedure for the power losses estimation in soft magnetic materials, *Proceedings of the 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP)*, Brasov, Romania, 25 May - 27 May 2017, pp. 208-213, IEEE Catalog Number: CFP1722D-USB, ISBN: 978-1-5090-4488-7, DOI: 10.1109/OPTIM.2017.7974972.



18th International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering
14-16 September 2017, Lodz, Poland (<https://isef2017.jordan.pl/>)

7. V. Ionita, L. Petrescu, E. Cazacu - Improved losses estimation in soft magnetic cores for non-sinusoidal voltages, *18th International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering (ISEF 2017)*, Lodz (Polonia), sept. 2017.
- in evaluare la *COMPEL - The international journal for computation and mathematics in electrical and electronic engineering* (ISSN 0332-1649, factor de impact ISI-WOS 0.487).



11th Symposium on Hysteresis Modeling and Micromagnetics (HMM 2017), 29-31 mai 2017, Barcelona (Spania)
(<https://sites.google.com/site/hmmbcn2017/>)

8. V. Ioniță, M. Codescu, E. Chițanu, L. Petrescu, E. Cazacu - Preisach model accuracy for soft magnetic nanopowders, *11th Symposium on Hysteresis Modeling and Micromagnetics (HMM 2017)*, Barcelona (Spania), mai 2017, Book of Abstracts, pag. 106.
- in evaluare la *Physica B – Condensed Matter* (ISSN 0921-4526, factor de impact ISI-WOS 1.386), article PHYSB-S-17-01392.



Revista de Chimie (ISSN 0034-7752, factor de impact ISI-WOS 1.232)

9. T Mălăeru, E.-A. Pătroi, V. Marinescu, O. Oprea, D. Pătroi, C Morari, G. Georgescu - Preparation and characterization of Fe₃O₄ magnetic nanofluid in vegetable oil, în evaluare.