

LISTA

lucrărilor științifice

A. Teza de doctorat

„Cercetări privind dezvoltarea balasturilor electronice cu corectarea factorului de putere”

conducător științific : Prof.dr.ing.Richard Marschalko

Universitatea Tehnică din Cluj Napoca

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B. Cărți și capitole în cărți publicate în ultimii 10 ani

CĂRȚI

1. Marschalko, R.; Fodor, D.; **Teodosescu, P.**: Electronica pentru ingineri electrotehnicieni, Volumul IV, Elemente moderne de electronică de putere, ISBN 978-973-713-315-1, 480 pag., Editura Mediamira, Cluj, România, 2014

CAPITOLE DE CARTE

2. **Teodosescu Petre Dorel**, Szekely Norbert Csaba, Sabau Madalina Sabina, Bojan Mircea, Analysis of a resonant AC-AC LED driver, Intech OPTOELECTRONICS, ISBN 978-953-51-5219-4, 2017
3. **Teodosescu Petre Dorel**, Marschalko Richard, Considerations Concerning the State of the Art and Future Trends in Compact Fluorescent Lamps, vol.Promovarea dezvoltării durabile în spațiul dunărean prin cooperare culturală și științifică, Secțiunea IV- Fizică și Științe Ingineresti, Editura Mediamira, Cluj-Napoca, ISBN: 978-973-713-276-5, 2010
4. Stefan Breban, Ioana Gros, Calin Marginean, **Petre Teodosescu**, Fuzzy logic energy management for a residential power system using renewable energy sources, Intech FUZZY CONTROL SYSTEMS, ISBN 978-953-51-5391-7, 2017
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1. **Teodosescu, P.D.**, Bojan, M., Marschalko, R., Resonant LED driver with inherent constant current and power factor correction, *IET Electronics Letters*, vol.50, no.15, pp.1086,1088, ISSN: 0013-5194, July 17, 2014
2. **Teodosescu, P.D.**, Bojan,M., Vese I.C., Marschalko, R., Research Concerning Unified Electronic Lighting Devices, Proceedings of the Romanian Academy - series A:Mathematics, Physics, Technical Sciences, Information Science, ISSN : 1454-9069, Vol. 16, No.2, 2015
3. Chirca, M.; Dranca, M.; Oprea, C.A.; **Teodosescu, P.-D.**; Pacuraru, A.M.; Neamtu, C.; Breban, S. Electronically Controlled Actuators for a Micro Wind Turbine Furling Mechanism. *Energies* **2020**, *13*, 4207.
4. V. M. Suci, S. I. Salcu, A. M. Pacuraru, L. N. Pintilie, N. C. Szekely, and **P. D. Teodosescu**, “Independent Double-Boost Interleaved Converter with Three-Level Output,” *Applied Sciences*, vol. 11, no. 13, p. 5993, Jun. 2021.
5. S. Breban, M. Dranca, M. Chirca, A.-M. Pacuraru, **P.D. Teodosescu**, and C.-A. Oprea, “Experimental Tests on a Spoke-Type Permanent Magnets Synchronous Machine for Light Electric Vehicle Application,” *Applied Sciences*, vol. 12, no. 6, p. 3019, Mar. 2022
6. N. C. Szekely, S. I. Salcu, V. M. Suci, L. N. Pintilie, G. I. Fasola, and **P. D. Teodosescu**, “Power Factor Correction Application Based on Independent Double-Boost Interleaved Converter (IDBIC),” *Applied Sciences*, vol. 12, no. 14, p. 7209, Jul. 2022

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9. **Teodosescu, P.D.**, Bojan, M., Denes, F., Marschalko, R. - Research concerning appropriate PFC methods for classic CFL lighting devices, *Proceedings of the 15th International Power Electronics and Motion Control Conference, EPE-PEMC 2012*, ECCE Europe, Sept. 4-6, 2012, Novi Sad, Serbia, DS3c.11-1 - DS3c.11-7, ISBN: 978-1-4673-1970-6, [IEEE].
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13. **P. D. Teodosescu**, T. Rusu, C. S. Martis, A. C. Pop and I. Vintiloiu, "Considering half bridge converters for switched reluctance motor drive applications," 2015 Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION), Side, Turkey, 2015, pp. 186-191. WOS:000382957000034
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C. Brevete

1. **Teodosescu, P.D.**, Sabău M.S., Szekely N.C., Bojan M., Marschalko R., "*Electronic device for LED lighting systems,*" Romanian State Office for Inventions and Trademarks (OSIM), RO131169B1, Priorities 2015-11-23.
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Conf. dr. ing. Teodosescu Petre Dorel