

2009

1. **Virlan Bogdan**, *Studiul unui motor asincron trifazat cu rotor în dublă colivie utilizând metoda elementului*, Conferința Națională ELSTUDIS 2009, octombrie 2009, ISBN 606-520-616-4, pp: 213-220, 8 pg.

2010

2. L. Livadaru, **B. Vîrlan**, Al. Simion, A. Munteanu, S. Mihai, A. Malanciu, (2010) – *Finite Element Analysis Concerning the Influence of Rotor Slot Configuration on the Performance of High-Speed Induction Motor*, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(197-200), ISBN 978-606-13-0079-2
3. Al. Simion, **B. Vîrlan**, L. Livadaru, A. Munteanu, A.-M. Mihai, (2010) – *Induction Motor with external Rotor and Toroidal Stator Winding*, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(223-226), ISBN 978-606-13-0079-2
4. **B. Vîrlan**, Al. Simion, L. Livadaru, A. Munteanu, S. Mihai, A. Malanciu, (2010) – *FEM Based Transient Analysis of an Induction Machine with External Rotor*, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(227-230), ISBN 978-606-13-0079-2
5. Ana-Maria Mihai, Alecsandru Simion, Leonard Livadaru, **Bogdan Virlan**, Gabriel Ghidus, *Study on the influence of the rotor slot shape upon the performance developed by the induction motor with deep bar using fem analysis*, Conferința Internațională de Inginerie Electrică și Energetică „EPE 2010”, octombrie 28-30, 2010, Iasi, Romania; ISBN vol II: 978-606-13-0078-5, ISBN general: 978-606-13-0079-2, pp: 201-204, 4 pg.

2011

6. A.-M. Mihai, Al. Simion, L. Livadaru, **B. Vîrlan**, A. Munteanu S. Vlasceanu – *Novel Core Design for Improving Performance of the Induction Machines*, Buletinul AGIR, nr. 4/2011, octombrie-decembrie, p. (23-26), ISSN – L 1224-7928.
7. **B. Vîrlan**, Al. Simion, L. Livadaru, A. Munteanu, A.-M. Mihai, S. Vlasceanu – *External Rotor Shape Estimation of an Induction Motor by FEM Analysis*, Buletinul AGIR, nr. 4/2011, octombrie-decembrie, p. (27-32), ISSN – L 1224-7928.
8. **B. Vîrlan**, L. Livadaru, Al. Simion, A. Munteanu, A.-M. Mihai – *Design and FEM Simulation of a Fractional Power Three-Phase Induction Motor for Oil-Submerged Applications*, Propc. Of 25th European Conference on Modeling and Simulation, ECMS 2011, June 7-10, Krakow, Poland, p. (181-187), ISBN 978-0-9564944-2-9.

2012

9. A. Munteanu, Al. Simion, L. Livadaru, **B. Vîrlan**, M. Sandru, - *Three Phase Squirrel-Cage Induction Motor Optimization Using Finite Element Method*, EPE 2012, 7th

International Conference on Electrical and Power Engineering, Oct 25-27, 2012, p.(464-467), ISBN 978-1- 673- 1172-4 ISI Web of Knowledge

10. **B. Vîrlan**, Al. Simion, L. Livadaru, S. Benelghali, R. Outbib, *Analysis of a three phase induction motor with outer rotor for multi-speed applications*, Conferința Internațională de Mașini Electrice, a XX-a ediție, „ICEM 2012”, 02-05 September 2012, Marsilia, Franța, ISBN: 978-1-4673-0141-1, pp:409 – 415, 6 pg.
11. **B. Vîrlan**, S. Benelghali, A. Munteanu, Al. Simion, R. Outbib, *Multi-speed induction motor for direct drive applications*, Conferința Internațională de Mașini Electrice, a XX-a ediție, „ICEM 2012”, 02-05 September 2012, Marsilia, Franța, ISBN: 978-1-4673-0141-1, pp:1926 – 1932, 6 pg.

2013

12. A. Munteanu, L. Livadaru, Al. Simion, **B. Vîrlan**, B. Anghel, *Influence of the Stator Winding on the Performance of a five-Phase PMSG*, Buletin AGIR nr.4/2013, p. 195-199, ISSN-L 1224-7928.
13. **B. Vîrlan**, S. Benelghali, Al. Simion, L. Livadaru, R. Outbib, A. Munteanu, *Induction Motor with Outer Rotor and Ring Stator Winding for Multispeed Applications*, IEEE Transactions on Energy Conversion, Vol. 28, No. 4, December 2013, p. 999-1007, ISSN 0885-8969. cotata ISI

2014

14. L. Livadaru, A. Munteanu , Al. Simion, **B. Vîrlan**, S. Benelghali, *Study on the Fault-Tolerance Concept of the Five-Phase Permanent Magnet Synchronous Generator*, Advances in Electrical and Computer Engineering, Vol. 14, Iss. 2, p. (77-84), may 2014, ISSN 1582-7445,

2016

15. MS Bodea, Al Simion, L Livadaru, A Munteanu, **B Vîrlan**, B Anghel, *Fractional slot permanent magnet machine with outer rotor*, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Oct 20-22, 2016, p.(256-260) ISI Web of Knowledge
16. Adrian Munteanu, Leonard Livadaru, Alecsandru Simion, **Bogdan Vîrlan**, *Single-tooth winding induction motor with external rotor for electric vehicle applications*, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Oct 20-22, 2016, p.(209-212) ISI Web of Knowledge
17. A Munteanu, L Livadaru, A Simion, **B Vîrlan**, AM Crauciuc, *An efficient approach for 3D toroidal transformers simulation*, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Oct 20-22, 2016, p.(277-280) ISI Web of Knowledge

18. M Bodea, A Simion, L Livadaru, A Munteanu, **B Vîrlan**, *Comparative finite element analysis of two PM fractional slot machines with 9/8 and 9/10 structure*, Power Electronics and Motion Control Conference (PEMC), 2016 IEEE International, Sep 25, 2016, p.(545-550) ISI Web of Knowledge