

Lista de lucrari

A. Lucrari publicate in reviste cotate ISI

1. P.V. Notingher, C. Stancu, L.M. Dumitran, P.P. Notingher, A. Rakowska, K. Siodla, „Influența Stării de Îmbătrânire a Sistemelor de Izolație Asupra Curenților de Absorbție/Resorbție”, *Revue Roumaine des Sciences Techniques*, Tomul 53, Nr. 2, Aprilie/Iunie, ISSN: 0035-4066, pp.163 – 177, 2008.
2. C. Stancu, P.V. Notingher, F. Ciuprina, P. Notingher jr, S. Agnel, J. Castellon, A. Toureille, “Computation of the Electric Field in Cable Insulation in the Presence of Water Trees and Space Charge”, *IEEE Transactions on Industry Applications*, Vol. 45, No. 1, pp. 30-43, ISSN 0093-9994, 2009.
3. C. Stancu, P.V. Notingher, F. Ciuprina, P. Notingher jr, S. Agnel, J. Castellon, A. Toureille, “Electric Field Computation in Water Treed Polyethylene with Space Charge Accumulation”, *Conference Record of The 2006 IEEE International Symposium on Electrical Insulation*, ISSN 1089-084X, Toronto, June 11-14, , pp.186 – 189, 2006.
4. C. Stancu, P. V. Notingher, P. Notingher jr, and M. Plopeanu, “Computation of electric field corresponding to space charge in water-treed power cable insulation”, *Electrical Review*, Vol. 86, No. 5, ISSN 0033-2097, pp. 114-118, 2010.
5. C. Stancu, P. V. Notingher, C. Stoica, M. Plopeanu, P. Notingher jr. „Influence of Dimensions and Density of Water Trees on Residual Electric Field in Polymeric Power Cables Insulations”, *Revue Roumaine des Sciences Techniques*, Vol. 55, No. 3, pp. 289-299, 2010.
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8. C. Stancu, P.V. Notingher, L.V. Badicu, “Dielectric Response Function for Nonhomogeneous Insulations”, *Proc. of Int. Conference on Dielectric Insulation and Electrical Insulation*, pp. 97-100, 2011.
9. C. Stancu, P.V. Notingher, P. Notingher jr., “Influence of space charge related to water trees on the breakdown voltage of power cable insulation”, *Journal of Electrostatics*, Vol. 71, No. 2, pp. 145-154, 2013.

B. Lucrari publicate in proceedings-uri indexate ISI

1. M. Plopeanu, P.V. Notingher, S. Grigorescu, C. Stancu, “Electrical Ageing of Polyethylene Power Cables Insulation Subjected to an Electric Field in the Presence of Water”, *Proc. of Advanced Topics in Electrical Engineering*, pp. 201-204, 2011.
2. Iosif Lingvay, Cristina Stancu, Petru Budrugaec, Andrei Cucos, Carmen Lingvay, „Studies Concerning the Fast Ageing by Thermal Cycling of Power Cables”, *Proc. of Advanced Topics in Electrical Engineering*, pp. 437-440, 2011.
3. Cristina STANCU, Mihai PLOPEANU, Petru V. NOTINGHER, Sorin GRIGORESCU, „Lifetime estimation method of polyethylene power cables insulation subjected to electric field in the presence of water”, *Int. Conf. on Optimization and Electrical and Electronic Equipment*, pp. 143-150, 2012.
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1. P.V. Notingher, L.M. Dumitran, C. Stancu, G. Tanasescu, E. Balescu, S. Busoi, „The influence of thermal stress on absorption/resorption currents”, Conference Excellence Research – A Way to E.R.A - , Brasov, 24-26 Octombrie, pp. 271-276, Editura Tehnica, ISSN 1843-5904.

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5. Cristina Stancu, Petru V. Notingher, Petru Notingher jr., Jerome Castellon, Serge Agnel, Alain Toureille, Alexandra Rakowska and Krzysztof Siodla, “Study of thermally and water tree aged polyethylene by infrared spectroscopy, absorption currents and space charge measurements”, 7th Int. Conference on Insulated Power Cables, Versailles, pp.758-763, 2007.

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11. Petru V. Notingher, Stefan Busoi, Laurentiu M. Dumitran, Cristina Stancu, Gabriel Tanasescu and Emanuel Balescu, „Ageing Assessment of Insulation Systems by Absorption/Resorption Currents”, Proceedings of World Academy of Science, Engineering and Technology WCSET, ISSN 2070-3740, Vol. 37, January 28-30, Dubai, pp. 699 – 705, 2009.

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16. Cristina Stancu, Petru V. Notingher, Petru Notingher jr, and Mihai Plopeanu”, „Water Concentration Influence on the Space Charge and on Electric Field in Water-Treed Cable Insulation”, Proceedings of the 7th International Conference of Electrochemical and Power Systems, Vol.1, ISBN 978-606-520-618-2, October 8-9, Iasi, pp.500-503, 2009

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D. Reviste acreditate CNCSIS

1. P. V. Notingher, L. M. Dumitran, S.A. Busoi, C. Stancu, E. Balescu, „Estimarea Starilor de Imbatranire a Izolantilor pentru Masini Electrice cu ajutorul Curentilor de Absorbție/Resorbție”, Revista Electrotehnica, Electronica, Automatica, Vol.56, nr.1-2, Ianuarie-Iunie, ISSN 1582-5175, pp.45-53, 2008.

2. P. V. Notingher, M. Plopeanu, C. Stancu, „Electrical Treeing – A Determinant Factor of Power Cables Failure”, Revista Electrotehnica, Electronica, Automatica, Vol. 57, nr. 2, Aprilie-Iunie, ISSN 1582-5175, pp. 51-58, 2009.

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E. Carti

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