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Publications (Last 5 years)

1. **Karthik B.** and Chandrasekar S., “A Hybrid Technique for Controlling Multi Line Transmission System Using Interline Power Flow Controller”, European Journal of Scientific Research, ISSN 1450-216X, Vol.58, No.1, pp.59-76, (2011).
2. **Karthik B.** and Chandrasekar S., “Modeling of IPFC without Common DC Link for Power Flow Control in 3-Phase Line”, European Journal of Scientific Research, ISSN 1450-216X Vol.61 No.2, pp. 282-289, (2011).
3. **Karthik B.** and Chandrasekar S., “A New Integrated Technique for Controlling Multi Transmission Line Using Inter Line Power Flow Controller” International Review of Automatic Control (Theory and Applications), Vol. 4, No.6, November (2011).
4. **Karthik. B** and Chandrasekar S. “Solid-State Circuit Breaker Operation with Enhanced Commutation Circuit”. Published in International Review of Electrical Engineering ISSN 1827 6660 Vol. 7. n. 5, pp. 5866-5873 October (2012)
5. **Karthik B.** and Chandrasekar S., “Intelligent Integrated Technique for Controlling Multi Transmission Line Using Inter Line Power Flow Controller”- accepted in International Review of Modelling and *simulation* – December issue, and same paper is published in following Journal: <http://www.springer.com/engineering/electronics/journal/11460> Frontiers of Electrical and Electronic Engineering (2013)
6. S.Senthilkumar*, **B.Karthik**** and S.Chandrasekar†., “Investigations on PD Characteristics of Thermal aged Palm and Corn Oil for Power Transformer Insulation Applications” Journal of Electrical Engineering and Technology (SCI Indexed) - ISSN(Print) 1975-0102 Vol. 9, No. 5: 1660-1669, (2014)
7. V.Jayaprakash Narayanan*, **B.Karthik**** and S.Chandrasekar†., “Flashover Prediction of Polymeric Insulators Using PD Signal Time-Frequency Analysis and BPA Neural Network Technique” Journal of Electrical Engineering and Technology (SCI Indexed)- ISSN(Print) 1975-0102 Vol. 9, No. 4: 1375-1384,(2014)
8. R.K.Arvind Shriram,S.Chandrasekar and B.karthik “PD Signal Time-Frequency Map and PRPD Pattern Analysis of Nano Sio2 modified palm oil for Transformer insulation applications” Journal of Electrical Engineering and Technology(SCI Indexed)- ISSN(Print) 1975-0102 Vol. 13, No. 2: 902-910, (2019)

9. Rajeswari, R, Chandrasekar, S and Karthik, B 2019, 'Statistical Analysis of Partial Discharge Lightning Impulse and BDV Characteristics of Nano SiO₂-Corn Oil for HV Insulation Applications', Springer, Journal of Electrical Engineering & Technology, vol. 14, no. 2, pp. 877-888.
10. Rajeswari, R, B.karthik "Analysis of Nano SiO₂- Corn Oil Partial discharge characteristics for High Voltage Insulation Applications" in the National Conference on Recent Advances in On - board ship Automation (RAOBSA 2019) organized by the Department of Electrical and Electronics Engineering at AMET Deemed to be University, Chennai.
11. Rajeswari, R, B.karthik "Analysis of Nano SiO₂- Corn Oil Lightning Impulse and BDV characteristics for High Voltage Insulation Applications" in the One day National Conference on "Cutting Edge Technologies in Power Conversion and Industrial Drives"(PCID 2019) organized by the Department of Electrical and Electronics Engineering , Bannari Amman Institute of Technology, Sathyamangalam.
12. G.Mounica,B.karthik "A Hybrid Power flow control systems in low voltage AC Grids" International journal of advanced research in Electrical , Electronics and instrumentation Engineering, Vol.7, issue 2. Feb 2018
13. K.Sindhu,Dr.B.karthik,Dr.T.Sengolrajan "Power system diagnostic condition monitoring of transformative intrinsic algorithm based unified power flow control in high voltage grid system analysis""Journal of Electrical Engineering"Article 19.4.46 (oct 2019)
14. M.Shanthankumar and Dr.B.karthik " Measurement and evaluation of Transformer oil properties using advanced multi attribute texture classification methods"-Journal of Electrical Engineering,Article 19.4.35(oct 2019)
15. T.Abirami and Dr.B.karthik " Investigation of Electrical Properties and development of Nano modified insulation in high voltage cable"-Journal of Electrical EngineeringArticle 19.4.42 (Oct 2019)
16. R.Dheivanai and Dr.B.karthik "Efficient Utilization of transformer by reducing leakage current using bidirectional converter"- Journal of Electrical Engineering Article 19.4.53(Oct 2019)
17. C.Bhuvaneswari and Dr.B.karthik "Partial Discharge Pattern Analysis of Palm oil for optimized Transformer insulation"- Journal of Electrical Engineering(Oct 2019)