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Area of Specialization: Power Electronics and Drives

Publications of Last Five Years:

1. Kamatchi Kannan V Design And Development Of Hybrid Two-Wheeler International Journal of Scientific and Technology Research 9 1 - JAN 2020
2. Dr Kamatchi Kannan V, Mr Selvakumar S FPGA based PV grid-connected inverter using partition input union output dual impedance ZSI Microprocessors and Microsystems 75 1 1 - 12 JUN 2020
3. Kamatchi kannan V Design And Implementation Of Simple Boost Pwm Controlled T-Source Inverter For Solar Pv Application International Journal of Scientific and Technology Research 8 11 - NOV 2019
4. P.Selvabharathi,V.Kamatchi Kannan,S.Sathishkumar SPWM based Speed Control of Induction Motor using FPGA Controller International Journal of Pure and Applied Mathematics 119, NO 18 18 2395 - 2402 AUG 2018.
5. Dr Kamatchi Kannan V, Dr Srimathi R, "Lighting design for a campus hostel building using single stage efficient buck LED driver", International conference on power engineering computing and control, SELECT, VIT Chennai, December 2019
6. Dr Kamatchi Kannan V Selvakumar S, "Fuzzy logic controller based TZ - source inverter for standalone systems", National Conference on cutting edge technologies in power conversion and industrial drives, EEE, BIT, Sathyamangalam, November 2019
7. Dr Kamatchi Kannan V Vijay Amirtha Raj, "A novel fuzzy based pwm predictive current control for pmsm drive", National Conference on cutting edge technologies in power conversion and industrial drives, EEE, BIT, Sathyamangalam, November 2019

8. Dr Kamatchi Kannan V Navin kumar V B, "Room Temperature based fan speed Control System", National Conference on cutting edge technologies in power conversion and industrial drives, EEE, BIT, Sathyamangalam, November 2019
9. Dr Kamatchi Kannan V, Dr Srimathi R, "Unknown input observer based fault detection for a CSTR process", National Conference on cutting edge technologies in power conversion and industrial drives, EEE, BIT, Sathyamangalam, November 2019
10. V Kamatchi Kannan, "Performance Comparison of Three PWM Techniques for Three-Phase On-Line UPS with Switched Inductor Z-Source Inverter", IEEE International Conference on Circuits and Systems in Digital Enterprise Technology, Saintgets college of Engineering, Kottayam, December 2018
11. V Kamatchi Kannan, "Novel Harmonic Elimination Technique for Cascaded H-Bridge Inverter Using Sampled Reference Frame", International Conference on Computing Methodologies and Communication, Surya Engineering College, Erode, July 2017
12. V Kamatchi Kannan, "A Comparison of Two Maximum Power Point Tracking Techniques for PV System", IEEE International Conference on Science, Technology, Engineering and Management, Kalaignarkarunanidhi Institute of Technology, Coimbatore, March 2017
13. V Kamatchi Kannan, "Performance Analysis of Modified Cuk Converter with Belbic Algorithm for PV Applications", IEEE International Conference on Science, Technology, Engineering and Management, Kalaignarkarunanidhi Institute of Technology, Coimbatore, March 2017