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Area of Specialization: Power Electronics applications to Power Systems, Renewable Energy sources

Journals Details:

- 1. Sivaraman P and Boopathimanikandan S Novel Design Of Transformerless Solar PV Farm For Increasing The Grid Transmission Limits During Day And Night INTERNATIONAL JOURNAL OF SCIENTIFIC 9 2 4886 - 4892 MAR 2020**
- 2. J.S. Sakthi Suriya Raj, P. Sivaraman, P. Prem, A. Matheswaran Wide Band Gap semiconductor material for electric vehicle charger Elsevier Materials Today: Proceedings, 2020 02 916 - MAR 2020**
- 3. Bhuvaneswari S, Sivaraman P, Anitha N, Matheswaran A Optimized design of permanent magnet brushless Dc motor Materials Today: Proceedings Elsevier - - APR 2020**
- 4. Bhuvaneswari S, sivaraman P, Matheswaran A, Prem P Performance analysis of radial and axial flux permanent magnet generator for low -speed wind turbine applications International Journal of Applied Electromagnetics and Mechanics 64 1 1 - 19 JUN 2020**
- 5. P. Prem , P. Sivaraman , J. S. Sakthi Suriya Raj , M. Jagabar Sathik Fast charging converter and control algorithm for solar PV battery and electrical grid integrated electric vehicle charging station Automatika - Journal for Control, Measurement, Electronics, Computing and Communications 61 4 614 - 625 AUG 2020**
- 6. Prem P,Sivaraman P, Dhafer Almakhlles,P. Sanjeevikumar,Zbigniew Leonowicz, Matheswaran A,Jagabar Sathik M A New Multilevel Inverter Topology with Reduced Power Componentsfor DomesticSolar PV Applications IEEE Access 10.1109/ACCESS.2020.3030721 - OCT 2020**
- 7. Prem P, Jagabar Sathik, Sivaraman P, Matheswaran A, Shady H. E. Abdel Aleem A New Asymmetric Dual Source Multilevel Inverter Topology with Reduced Power Switches Journal of Chinese Institute of Engineers 42 5 460 - 472 APR 2019**
- 8. Sivaraman P, Sakthi Suriya Raj J S, Matheswaran A Renewable Energy Source Integration With Linear And Nonlinear Control Techniques International Journal of Scientific and Technology Research 8 10 2872 - 2880 OCT 2019**

9. P Sivaraman, and P Prem PR Controller Design and Stability Analysis of Single Stage T-Source Inverter Based Solar PV System Journal of Chinese Institute of Engineers 40 3 235 - 245 APR 2017

10. Sivaraman P and Prem P Power Quality Enhancement In Distributed Generation Systems Transactions on Engineering and Sciences 4 1 20 - 23 APR 2016

11. Sivaraman, P A New Method of Maximum Power Point Tracking for Maximizing the Power Generation from a SPV Plant Journal of scientific and Industrial Research (Indexed in ISI Thomson Reuters and Scopus) 74 3 411 - 415 AUG 2015

12. P. Sivaraman and Maniprasad. S Reduction of Emi In Cuk Converter For Aircraft Application International Journal of Applied Engineering Research (Indexed in Scopus) 10 10 9586 - 9590 APR 2015

Conference Details:

1. Mrs.S.Bhuvaneswari,Dr.P.Sivaraman,Mrs.N.Anitha,Dr.A.Matheswaran, "Optimized design of Permanent Magnet Brushless DC Motor for Ceiling Fan Applications using Neodymium iron boron materials", International Conference on Advances in Materials Research, Department of mechanical Engineering, BIT, December 2019

2. Sakthi Suriya Raj J S, Sivaraman P, Prem P, Matheswaran A, "Wide band gap semiconductor for electri vehicle charger", International Conference on Advances in Materials Research (ICAMR) , Mechanical Engineering, Banjari Amman institute of Technology, December 2019

3. Sivaraman P and Boopathimanikandan , "Performance Analysis and Design Of LCL Filter for PV Based Grid Connected Applications", International Conference on Advanced Technology in Electrical Engineering (ICATEE-2019) October 2019, , Madurai, October 2019

4. Dr. P.Prem, A.Matheswaran, Dr.P.Sivaraman, "A Cost Effective Solar PV Charge Controller Trainer Module to Provide Hands-on Experience in Solar Energy Management System For Electrical Engineers ", International Conference on Materials, Manufacturing and Machining ICMMM 2019, Bannari Amman Institute of Technology, BIT,Sathyamangalam, March 2019

5. Sakthi Suriya Raj and Sivaraman, "Performance comparision between central and Multi string Inverter under different irradiance conditions", International Conference on AISGSC, PSG Tech, Coimbatore, January 2019