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List of Publications

Last 5 years

1. M. Premkumar, and T.R. Sumithira, "Design and Implementation of New Topology for Solar PV Based Transformerless Forward Microinverter", Journal of Electrical Engineering and Technology (Springer), Vol. 14, No. 1, pp. 145-154, January 2019.
2. M. Premkumar, and T.R. Sumithira, "Design and Implementation of New Topology for Non-Isolated DC-DC Microconverter with Effective Clamping Circuit", Journal of Circuits, Systems, and Computers (JCSC), Vol. 28, No. 5, pp. 1-26, 2019
3. M. Premkumar, and T.R. Sumithira, "Humpback Whale Assisted Hybrid Maximum Power Point Tracking Algorithm for Partially Shaded Solar Photovoltaic System", Journal of Power Electronics (JPE), Vol. 18, No. 6, pp. 1805-1818, November 2018
4. M. Premkumar, T.R. Sumithira and R. Sowmya, "Investigation and Implementation of Solar PV based Forward Microconverter", Journal of Electrical Engineering (JEE), Vol. 19, No. 3, October 2018
5. M. Premkumar, T.R. Sumithira, and R. Sowmya, "Modelling and Implementation of Cascaded Multilevel Inverter as Solar PV Based Microinverter Using FPGA", International Journal of Intelligent Engineering and Systems (IJIES), Vol.11, No.2, pp.18-27, March-April, 2018
6. M. Premkumar, T.R. Sumithira, and R. Sowmya, "Implementation of Solar PV Based Microconverter with Optimal MPPT Control under Partial Shading Condition", Journal of Electrical Engineering (JEE), Vol. 19, No.2, August 2018
7. A.Sampath, T.R.Sumithira, "ECG Morphological Marking using Discrete Wavelet Transform", Intelligent Decision Technologies, vol. 10, no. 4, pp. 373-383, 2016, ISSN 1872-4981 (P) ISSN 1875-8843 (E)