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PUBLICATION IN INTERNATIONAL JOURNAL PUBLICATION LAST FIVE YEARS:

- M Senthil Kumar, PS Manoharan, and G Divya “Modelling and implementation of MRAC controller for nine level QZS inverter,” Journal of Electrical Engineering, Politehnica Publication, ISSN: 1582-4594 ,vol.20, no.4, April 2020. (Impact Factor: 0.45).
- M Senthil Kumar, J. Vishnupriyan, and N. Manoj Kumar, “Model predictive control strategy based voltage sensing of quasi Z-source cascaded multilevel PV inverter with distributed MPPT for solar power system applications,” International Journal of Renewable Energy Research, vol.10, no.1, pp. 183-192, March 2020. (Scopus and Impact Factor: 3.12)
- M Senthil Kumar and PS Manoharan, “THD mitigation in various level quasi Z-source cascaded inverter by hybrid step modulation-SHEPWM method,” Journal of Electrical Engineering, Politehnica Publication, ISSN: 1582-4594 ,vol.17, no.3, pp.100-109, September-2017. (Impact factor: 0.45).
- M Senthil Kumar, PS Manoharan and R Ramachandran, “Modelling and Simulation of ANFIS based MPPT for PV System with Modified SEPIC Converter,” International Journal of Business and Data Mining, DOI: 10.1504/IJBIDM.2017.10007894.
- M Senthil Kumar, P.S. Manoharan, and M Sivarama Selvi, “Performance Analysis of Quasi-ZSource Inverter using Model Predictive Controller for Photovoltaic Power Generation Systems,” Special Issue Published in International Journal of Trend in Research and Development (IJTRD) pp. 37-40, December-2016
- M Senthil Kumar, T.Eswaran, “Improved SVPWM based quasi Z-source inverter for residential solar PV system,” International Conference on Computing Communication and Drastic innovations in Energy Thrive (IC3DIET-18) , Panruti, March 2018.
- M Senthil Kumar, P.S.Manoharan and G.Divya, “Model Adaptive controller for multilevel quasi Z-source inverter ,” 1 st International Conference on Power, Energy, Control and Transmission Systems, Chennai, February 2018.
- M Senthil Kumar, “Z-Source inverter designed for Uninterruptable Power supply using Space vector modulation technique,” 3 rd International Conference on Intelligent systems and control (Isco’13), Coimbatore, January 2013.
- M Senthil Kumar, “Implementation of Matrix converter using DSP controller,” 7 th International Conference on Intelligent Information systems and Management (IISM’12), Coimbatore, 3-5 July 2012. DOI: 10.1109/ICCCI.2014.6921840.
- M Senthil Kumar, “ZVS Boost Converter with SARC for PV generation,” National level Conference on Emerging Trends in Electrical Engineering (NCETEE’2013), Kalayar koil, India, 16th March 2013

- M Senthil Kumar, "Design and Simulation of Hybrid Buck Converter with High Step-Down Ratio," National Conference on Power System Engineering, Coimbatore, India, 30th March 2012.