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Member 1

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1. KaliamoorthyMylsamy, V. Rajasekaran, and I. Gerald Christopher Raj. "Single-phase fifteen-level grid-connected inverter for photovoltaic system with evolutionary programming based MPPT algorithm." *Solar Energy* 105 (2014): 314-329.
2. MylsamyKaliamoorthy, RajasekaranVairamani, Gerald Christopher Raj Irudayaraj, and Hubert Tony Raj Lawrence. "Experimental validation of a cascaded single phase H-bridge inverter with a simplified switching algorithm." *Journal of Power Electronics* 14, no. 3 (2014): 507-518.
3. KaliamoorthyMylsamy, VairamaniRajasekaran, Irudayaraj Gerald Christopher Raj, and Lawrence Hubert Tony Raj. "Generalised hybrid switching topology for a single-phase modular multilevel inverter." *IET Power Electronics* 7, no. 10 (2014): 2472-2485.
4. Mark, Arul Prasanna, Gerald Christopher Raj Irudayaraj, RajasekaranVairamani, and KaliamoorthyMylsamy. "Dynamic Performance Analysis for Different Vector-Controlled CSI-Fed Induction Motor Drives." *Journal of Power Electronics* 14, no. 5 (2014): 989-999.
5. Gerald Christopher Raj, I., M. Kaliamoorthy, V. Rajasekaran, and R. M. Sekar. "Single-phase cascaded grid connected multilevel Inverter for Interfacing renewable energy sources with Microgrid." *Journal of Solar Energy Engineering* 137, no. 5 (2015).
6. Boopathy, C. P., and M. Kaliamoorthy. "A Modified Asymmetrical Single-Phase Multilevel Inverter Topology for Enhanced Power Quality." *Middle-East Journal of Scientific Research* 24, no. 4 (2016): 1004-1015.
7. Boopathy, C. P., and M. Kaliamoorthy. "A Novel Asymmetrical Single-Phase Multilevel Inverter Suitable for Hybrid Renewable Energy Sources." *Circuits and Systems* 7, no. 6 (2016): 932-945.
8. Venkatesan, M., R. Rajeshwari, N. Deverajan, and M. Kaliamoorthy. "Comparative study of three phase grid connected photovoltaic inverter using pi and fuzzy logic controller with switching losses calculation." *International Journal of Power Electronics and Drive Systems* 7, no. 2 (2016): 543.

9. Subramaniam, Manoharan, Gerald Christopher Raj Irudayaraj, and KaliamoorthyMylsamy. "An improved switching topology for single phase multilevel inverter with capacitor voltage balancing technique." *Journal of Power Electronics* 17, no. 1 (2017): 115-126.
10. Venkatesan, M., R. Rajeswari, M. Kaliyamoorthy, and M. Srithar. "Transient and Steady State Analysis of Modified Three Phase Multilevel Inverter for Photovoltaic System." *International Journal of Power Electronics and Drive Systems* 8, no. 1 (2017): 31.
11. MeenakshiSundaram, B., B. V. Manikandan, and M. Kaliamoorthy. "Simulation of FPGA controlled single stage boost inverter for the applications of grid connected photovoltaic system." *Simulation* 93, no. 12 (2017): 1087-1097.
12. Anand, I., SubramaniamSenthilkumar, DipankarBiswas, and M. Kaliamoorthy. "Dynamic power management system employing a single-stage power converter for standalone solar PV applications." *IEEE Transactions on Power Electronics* 33, no. 12 (2018): 10352-10362.
13. Sekar, RathinamMarimuthu, Dhanaraj Nelson Jayakumar, KaliamoorthyMylsamy, UmashankarSubramaniam, and SanjeevikumarPadmanaban. "Single phase nine level inverter using single DC source supported by capacitor voltage balancing algorithm." *IET Power Electronics* 11, no. 14 (2018): 2319-2329.