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1. Kaliamoorthy Mysamy, 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. Mysamy Kaliamoorthy, Rajasekaran Vairamani, 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. Kaliamoorthy Mysamy, Vairamani Rajasekaran, 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, Rajasekaran Vairamani, and Kaliamoorthy Mysamy. "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 Kaliamoorthy Mysamy. "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. Meenakshi Sundaram, 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., Subramaniam Senthilkumar, Dipankar Biswas, 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, Rathinam Marimuthu, Dhanaraj Nelson Jayakumar, Kaliamoorthy Mysamy, Umashankar Subramaniam, and Sanjeevikumar Padmanaban. "Single phase nine level inverter using single DC source supported by capacitor voltage balancing algorithm." *IET Power Electronics* 11, no. 14 (2018): 2319-2329.