

DC MEMBERS
RECENT PUBLICATION DETAILS

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Area of specialization : Power Electronics; Renewable Energy Sources

- 1) K Kamalpathi, C Umayal, 6 more authors, “A hybrid moth-flame fuzzy logic controller based integrated cuk converter fed brushless DC motor for power factor correction”, Multidisciplinary Digital Publishing Institute, November 2018, Vol. 7, Is. 11, Page 288.
- 2) A Dutt Roy, C Umayal, “A review of various multilevel inverter topologies with reduced component count”, International Conference on Recent Trends in Electrical, Control and Communication IEEE, March 2018, pp. 234 – 239
- 3) M Periasamy, C Umayal, “Improved time responses of PI & FL controlled SEPIC converter-based series resonant inverter-fed induction heating system”, International Journal of Power Electronics and Drive System, March 2018, Vol. 9, Is. 1, pp. 305 – 315.
- 4) O Felix, C Umayal, “Low Voltage Ride-Through Capability Enhancement of DFIG Wind Turbine Using STATCOM And Supercapacitor Energy Storage”, International Journal of Pure and Applied Mathematics, 2018, Vol. 118, Is. 17, pp. 975 – 985.
- 5) A Dutt Roy, C Umayal, “Opal-RT based Analysis and Implementation of Single Phase Cascaded Multilevel Inverter with Minimum Number of Switches”, Indian Journal of Science and Technology, 2016, Vol. 9(1), 99 1-6.
- 6) C Umayal, SR Reddy, “Embedded controlled power factor correction zeta converter fed permanent magnet brushless DC motor for mining applications”, Australian Journal of Electrical and Electronics Engineering, Jan 2014, Vol. 11, Is. 2, pp. 226 – 238.
- 7) C Umayal, D Saranya Devi, “Modeling and simulation of pfc sepic converter fed pmblcdc drive for mining application”, International Journal of Advanced trends in Computer science and Engineering, 2013, Vol. 2, Is. 2, pp. 203 – 208.
- 8) C Umayal, S Rama Reddy, “Modeling and simulation of closed loop controlled PFC half bridge converter fed PMBLDC motor using Simulink”, International Journal of Electrical Engineering, 2011, pp. 0974.