List of Publications

1. V. Kalyanasundaram, S. George Fernandez, K. Vijayakumar, S. Vidyasagar, “A two stage battery charger for EV charging applications”, Indonesian Journal of Electrical Engineering and Computer Science Vol. 19, No. 2, August 2020, pp. 593~599.
2. R. Palanisamy, S. Vidyasagar, V. Kalyanasundaram, D. Karthikeyan, K. Selvakumar, D.Selvabharathi, K. Vijayakumar , “A new multilevel DC-AC converter topology with reduced switch using multicarrier sinusoidal pulse width modulation” , International Journal of Power Electronics and Drive System (IJPEDS) Vol. 11, No. 2, June 2020, pp. 752-761.
3. G. R. Prudhvi Kumar, D. Sattianadan, K. Vijayakumar, “A survey on power management strategies of hybrid energy systems in microgrid”, International Journal of Electrical and Computer Engineering (IJECE) Vol. 10, No. 2, April 2020, pp. 1667-1673
4. R. Palanisamy, C. S. Boopathi, K. Selvakumar, K. Vijayakumar, “Switching pulse generation for DC-DC boost converter using Xilinx-ISE with FPGA processor”, International Journal of Electrical and Computer Engineering (IJECE) Vol. 10, No. 2, April 2020, pp. 1722~1727.
5. P. Suresh , S. George Fernandez , S. Vidyasagar , V. Kalyanasundaram , K. Vijayakumar , Vaidheeswaran Archana , Soham Chatterjee, “Reduction of transients in switches using embedded machine learning”, International Journal of Power Electronics and Drive System (IJPEDS) Vol. 11, No. 1, March 2020, pp. 235-241.
6. S. George Fernandez, K. Vijayakumar, R. Palanisamy, K. Selvakumar, D. Karthikeyan, D. Selvabharathi, S. Vidyasagar, V. Kalyanasundhram, “Unmanned and autonomous ground vehicle”, International Journal of Electrical and Computer Engineering (IJECE) Vol. 9, No. 5, October 2019, pp. 4466-4472.
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10. Mohd.Ali, J.S., Krishnaswamy, V., “An assessment of recent multilevel inverter topologies with reduced power electronics components for renewable applications” (2018) Renewable and Sustainable Energy Reviews, 82, pp. 3379-3399.
11. Palanisamy, R., Vijayakumar, K.,” A hysteresis current controller for PV-wind hybrid source fed STATCOM system using cascaded multilevel inverters” (2018) Journal of Electrical Engineering and Technology, 13 (1), pp. 270-279.
12. Navamani, J.D., Krishnasamy, V., Ramiah, J., “Stability analysis of a novel switched inductor based quadratic boost DC-DC converter,” (2017) Advances in Electrical and Electronic Engineering, 15 (5), pp. 788-798.
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15. Selvakumar, K., Vijayakumar, K., Boopathi, C.S.,”Demand response unit commitment problem solution for maximizing generating companies' profit,” (2017) Energies, 10 (10), art. no. 1465 .
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17. Divya Navamani, J., Vijayakumar, K., Jegatheesan, R., Lavanya, A.,” High step-up DC-DC converter by switched inductor and voltage multiplier cell for automotive applications,” (2016) Journal of Electrical Engineering and Technology, 12 (1), pp. 189-197.