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**Publications:**

1. S. Gomathi, M. V. Suganyadevi, S. Kamalakannan, K. Ramash Kumar and A. Deepak, "Active Bridges Based Bidirectional DC-DC Converter for Solar PV application," *2020 International Conference on Smart Electronics and Communication (ICOSEC)*, Trichy, India, 2020, pp. 1087-1094.
2. K. RAMASH KUMAR R. ARIVALAHAN, "Experimental And Matlab/Simulink Verification Of Various Speed Control For D.C Drive Systems, *Journal of Electrical Engineering*, Volume 20, Issue 3, Pages: 112-116, 2020.
3. K. Ramash Kumar, "FLC and PWM SMC for KY Boost Converter, *Journal of Circuits, Systems and Computer*, doi.org/10.1142/S0218126619501846, SCI, Impact Factor: 0.596.
4. Arunkumar, K. Ramash Kumar, "Implementation of Non-Linear Controller for Contemporary DC-DC converters," Accept for Publication, *Journal of Circuits, Systems and Computers*, Impact Factor: 0.596.
5. K. Ramash Kumar, S. Balakumar, S. Azath Hussain, "Improved Performance of KY Positive Output Boost Converter using Classical PI controller," *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, Vol.8, Iss.55, March 2019, pp.397-401.
6. Gnanamurugan.S, Sivakumar.P, K. Ramash Kumar, S. Balakumar, "On the Performance of Rectangular Microstrip Patch Antenna using Rogers RT/Duriod 5880," *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, Vol.8, Iss.55, March 2019, pp.353-357.
7. V. Thiyagarajan, P. Somasundaram, K. Ramash Kumar, "Simulation and Analysis of Novel Extended Multilevel Inverter Topology, *Journal of Circuits, Systems and Computer*, doi.org/10.1142/S0218126619500890. Impact Factor: 0.596.
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9. P.K. Dhal,, K. Ramash Kumar, "A Novel Hybrid Particle Swarm Multiverse Optimization based Voltage Stability Improvement in IEEE 57 Bus System," *International Journal of Engineering and Technology (UAE)*, Vol.7, No. 2.24, 2018, pp. 381-386.
10. M. Ramya, G. Ganesan, P. Usha Rani, K. Ramash Kumar, "Neural Network Controller based Sequential Switch Cascaded H-Bridge Multilevel Inverter," *International Journal of Engineering and Technology (UAE)*, Vol.7, No. 2.8, 2018, pp. 592-598.
11. Joseph Anthony Prathap, T.S. Anandhi, K. Ramash Kumar, S. Srikanth, "Performance Evaluation and Analysis of 64-Quadrature Amplitude Modulator Using Xilinx Spartan FPGA," *International Journal of Engineering and Technology (UAE)*, Vol.7, No. 2.8, 2018, pp. 570-577.
12. K. Ramash Kumar, "Variable Frequency Based Sliding Mode Controller for Positive Output Elementary Boost Converter," *Journal of Advanced Research in Dynamical and Control Systems*, 18 special issue, 2017, pp. 1125-1141.

13. P. Sivakumar, V. Rajasekaran, K. Ramash Kumar, "Investigation of Intelligent Controllers for Variable Speed PFC Buck-Boost Rectifier Fed BLDC Motor Drive," *Journal of Electrical Engineering (Romania)*, Vol.17, No.4, 2017, pp. 459-471.
14. G.Jotheeshwari T.S.Anandhi, K. Ramash Kumar," Real Time Implementation Of Modified Hybrid Based Digital Pulse Width Modulation Using Xilinx Spartan 3a Dsp FPGA," *International Journal of Pure and Applied Mathematics (IJPAM)*, Vol.116, No.21, 2017, pp. 283-288.
15. S. Balakumar, K. Ramash Kumar, Eyassu Dilla, "Implementation of Photovoltaic MPPT with Regulated Load Power Flow Controller for Positive Output Elementary Output Super Lift Luo-Converter," *International Journal of Pure and Applied Mathematics (IJPAM)*, Vol.115, No.8, 2017, pp. 615-621.
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17. K. Ramash Kumar,"Implementation of Sliding Mode Controller plus Proportional Integral Controller for Negative Output Elementary Boost Converter," *Alexandria Engineering Journal*, 2016, Vol. 55, No. 2, pp. 1429-1445, SCI, Scopus, Impact Factor: 2.33
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19. Arunkumar, T.S. Sivakumaran, K. Ramash Kumar, Analysis, Modeling and Simulation of State Feedback Control for Positive Output Super Lift Luo Converter," *Journal of Circuits and System*, Vol. 7, 2016, pp. 3971-3983.
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