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International Journals

1. V. Jamuna, Baskar M, Senthoo Selvam D (2014), Modeling and Simulation of PMSG Based WECS, Advanced Materials Research, TransTech Publications, Switzerland, Switzerland, Vol..984-985, pp 141-145.
2. V. Jamuna, N. Saritha, N. Nanthini (2014), Fault Analysis on Photo Voltaic Fed Grid Connected Systems, Advanced Materials Research Vol..984-985 (2014) pp 1013-1022.
3. G.Rohini, V.Jamuna, D.Priyadarsini (2014), Photovoltaic array under partial shading condition, for irrigation, Applied Mechanics and Materials Journal, Vol. 622 pp 141-145.
4. V.Karthikeyan, V.JAmuna and D.Rajalakshmi (2014), Interleaved Boost Converter for Photovoltaic Energy Generation, Applied Mechanics and Materials Journal, Vol. 622 pp 97-103.
5. V.Karthikeyan, V.Jamuna and A.James (2014), Multilevel Inverter for Hybrid Energy Generation System, Applied Mechanics and Materials Journal, Vol. 622 pp 127-131.
6. J.Gayathri Monicka, V.Jamuna, and K.Hemalatha (2014), Performance Estimation of Multicarrier Based Multilevel inverter, Applied Mechanics and Materials Journal, Vol. 622 pp 133-139.
7. N.Saritha, V.Jamuna and N.Nanthini (2014), Power Quality Problems in PV Fed Grid Connected Inverter, Applied Mechanics and Materials Journal, Vol. 622 pp 147-151.
8. M.Baskar, V.Jamuna, S.D.Senthoo (2014), Simulation and Modeling of SVM Based WECS with PMSG using Cuk Converter, Applied Mechanics and Materials Journal, Vol. 622 pp 153-161.
9. A.Jamna, V.Jamuna and R.R.Sathy (2014), Three phase matrix converter for variable speed wind energy system, Applied Mechanics and Materials Journal, Vol. 622 pp 181-190.
10. R.Sivaprasad and V.Jamuna (2014), VSI-Fed Induction motor drive for Photovoltaic pumping, Applied Mechanics and Materials Journal, Vol. 622 pp 199-204.
11. S.Sasikala and V.Jamuna (2014), Z Source inverter for Drive Applications, Applied Mechanics and Materials Journal, Vol. 622 pp 205-209.

12. S.Sasikala, V.Jamuna, R.Revathi and G.Shanmugapriya (2014), Implementation of Fuzzy Logic Controller to improve dynamic performance of DC-DC Boost converter, International Journal of Scientific & Engineering Research, Vol.5, Issue 4 pp 118-121
13. A.Jamna, V.Jamuna and R.R.Sathy (2015), Control of Three Phase to Three phase Matrix Converter – A Direct Transfer Function Approach, Lecture Notes in Electrical Engineering Journal, Springer Publications, DOI 10.1007/978-81-322-2119-7_37, pp 361-371.
14. J.Gayathri Monicka, V.Jamuna, and K.Hemalatha (2015), A New Approach for Torque Ripple Minimization of PMBLDC Motor Drive, Lecture Notes in Electrical Engineering Journal, Springer Publications, DOI 10.1007/978-81-322-2119-7_29, pp 285-293.
15. Jamuna Venugopal and Gayathri Monicka (2015), Hybrid Cascaded MLI topology using Ternary Voltage Progression Technique with Multicarrier Strategy, Journal of Electrical Engineering & Technology, Korea, Vol. No.10 (4), pp 1611-1621.
16. Jamuna Venugopal and Gayathri Monicka (2015), Multi Carrier based Multilevel Inverter with Minimal Harmonic Distortion, International Journal of Power Electronics and Drives Systems, Indonesia, Vol 6, No.2, pp 356-361.
17. J.Gayathri Monicka and V.Jamuna (2017), Optimal Switching Strategy of Level Shifted Carrier Based PWM Technique for Asymmetric Multilevel Inverter, International Journal of Engineering Science, Elsevier Singapore, Vol. 113, Accepted for Publication.
18. Jamuna V, Saritha N, Anuja prashathi Diwan (2015), Automatic sun tracker system, Journal of chemical and pharmaceutical sciences, pp.238-241.
19. J.Gayathri Monicka and V.Jamuna (2016), Control of ternary voltage progression based cascaded multilevel inverter using classy split multicarrier pulse width modulation, Turkish journal of Electrical Engineering and computer sciences, Turkey, Vol. No.24, pp 3910-3923.
20. V.Jamuna and G.Rohini (2016), PLL Based Energy Efficient PV System with Fuzzy Logic Based Power Tracker for Smart Grid Applications, The scientific World Journal, Hindawi Publishing Corporation, Volume 2016, Article ID 2708075, pp 1-20
21. S.Sasikala, V.Jamuna and R.Saranya (2016), Implementation of ACO Techniques in high voltage gain converter for SPV System under partial shading condition, International Journal of Control Theory and Applications, International Science Press, Vol 9 (2), pp 809-819.
22. V.Karthikeyan and V.Jamuna (2016), Hybrid control strategy for BCD topology based modular multilevel inverter, Journal of circuits and systems, Scientific research publishing, Vol. No.7, pp 1441-1454.
23. N.Saritha and V.Jamuna (2016), A SRF-PLL control scheme for DVR to achieve grid synchronization and PQ issues mitigation in PV fed grid connected system, Journal of circuits and systems, Scientific research publishing, Vol. No.7, pp 2996-3015.
24. G.Rohini, V.Jamuna, J.Cynthia nance and A.Jenifer (2016), Hybrid control strategy to enhance the performance of photo voltaic system, Pakistan Journal of Biotechnology, Vol. No. 13, pp 415-420.
25. R.Asha, N.Saritha and V.Jamuna (2016), Design and simulation of PV fed Grid connected system with ZCD, Pakistan Journal of Biotechnology, Vol. No. 13, pp 99-102.

26. A.Jamna and V.Jamuna (2016), Hybrid control strategy for Matrix converter fed Wind Energy Conversion System, Journal of circuits and systems, Scientific research publishing, Vol. No.7, pp 3038-3053.
27. A.Jamna and V.Jamuna (2016), AC-AC mobile utility power unit using Matrix converter, International Journal of Advanced Engineering Technology, Vol. No.VII, Issue II, pp 1056-1060.
28. N.Saritha, V.Jamuna and D.Celin (2016), Analysis and implementation of semi Z source inverter for PV systems, Journal of electrical engineering, Volume 16, Edition 4, pp 265-272, ISSN 1582-4594.
29. N.Saritha and V.Jamuna (2016), Enhancing power quality on solar grid connected system using multi level inverter and dynamic voltage restorer, Journal of electrical engineering, Volume 16, Edition 4, pp 189-202, ISSN 1582-4594.
30. M.Baskar and V.Jamuna (2016), Green Energy Generation using FLC based WECS with Lithium Ion Polymer Batteries, International Journal, Brazilian Archives of Biology and Technology, Volume 59, e161013, pp 1-15, ISSN 1678-4324.
31. E.S.Jayashree, V.Karthikeyan and V.Jamuna (2105), Phase Disposition PWM based Multilevel Inverter with Reduced Number of Switches, International Journal of Applied Engineering Research (IJAER), Vol.10, N0.42, Research India Publications, pp 30852-30856.
32. V.Karthikeyan and V.Jamuna (2017), Phase Disposition PWM based Reduced switch Reverse Voltage Multi Level Inverter, Advances in Natural and Applied Sciences, AENSI publications, ISSN – 1995-0772, Vol 11(7), pp 190-199.
33. V.Karthikeyan and V.Jamuna (2017), Multilevel Inverter with Reduced Number of Switches for Solar Energy Generation, International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS), Vol.VI, Issue VI, ISSN 2278-2540, pp 113- 116.
34. R.Sivaprasad and V.Jamuna (2017), Direct Torque Control of Z source Inverter fed Three Phase Induction Motor Drive, Journal of Computational and Theoretical Nanoscience, Americal Scientific Publishers, Vol 14, pp 4045 – 4052.
35. V.Jamuna S.Sivajothi Kavitha M.Karthick Sharan, S.M.Aswin and C.Gopinath, (2017), An integrated sensor network to enhance the performance of gully pot monitoring, International Journal of Advanced Research Management, Architectutre, Technology and Engineering, Vol. 3, Special Issue 13, pp 48 -52.
36. V.Jamuna and S.Sasikala (2017), Perofrmanace enhancement of Photo Voltaic System using Ant colony optimization Modus operandi with high voltage gain boost converter, Journal of Computational and Theoretical Nanoscience, Americal Scientific Publishers, Vol 14, pp 4406 – 4415.
37. V.Jamuna and G.Rohini, (2017), PV fed Bidirectional Converter for Battery Charging Application, Journal of Advanced Research in Dynamical and Control Systems, 11-Special Issue, pp 645-660.
38. V.Jamuna and N.Saritha, (2017), Design and Implementation of Multi-level DC – DC Power Converter for DC Grid Applications, Journal of Advanced Research in Dynamical and Control Systems, 11-Special Issue, pp 620-627.
39. V.Jamuna, Y.Rekha, B.Divya Barathi, V.Harini and V.Nivedita, (2018), Control strategies for parallel buck-boost converter, International Journal of Scientific Research and Review, Volume 7, Issue-4, pp 150-155, ISSN No. 2279-543X.
40. V.Jamuna, S.Sivajothi Kavitha, Samuel Benkins, P.Nagarajan and S.Narendran, (2018), “A Monotonous Cybord for an Assesment of solid waste management in multi storied buildings”, International Journal of Scientific Research and Innovations III, ISSN 2455-7579, pp 7 – 12.

41. V.Jamuna, Karthikeyan.V (2019), "A simplified optimal THD modulation Algorithm for Multi-Level Inverter with Reduced Components" in the International Journal of Recent Technology and Engineering, volume 7, Issue-52, ISSN No:2277-3878, page No:200-204.
42. V.Jamuna, Rathnavel K and Selvasundar (2019), "Government Bus Tracking with Passenger Details" in the International Journal of Recent Technology and Engineering, volume 8, Issue-2S5, ISSN No:2277-3878, page No:99-102.
43. V.Jamuna, S.Sivajothi Kavitha and K. Hemalatha (2019), "A Real-Time Smart Dumpsters Monitoring and Garbage Collection System Using IoT" in the International Journal of Recent Technology and Engineering, volume 8, Issue-2S5, ISSN No:2277-3878, page No:85-89.
44. V. KarthikeyanI. William Christopher, V. Jamuna (2020), "Nine Level Symmetrical Modified Multi-Level Cascaded H-Bridge Inverter", in the International Journal of Advanced Science and Technology, volume 29, Issue-7, ISSN No: 2005-4238, page No: 2532-2537.
45. V. Jamuna, Ms.J.Anslin, (2020), "Android app based Home Automation using IoT", in the International Journal of Scientific Research in Engineering and Management, volume 4, Issue-5, ISSN No: 2582-3930, page No:1-4.
46. V. Jamuna, Ms.D.Usha, (2020), "A Fall Based Pelvic Bone Protector", in the International Journal of Scientific Research in Engineering and Management, volume 4, Issue-6, ISSN No: 2582-3930, page No:1-5.