

LIST OF JOURNAL PUBLICATIONS

2020-2021

1. Seyezhai and R.Niraimathi, "Analysis, Simulation and Implementation of a Novel Dual Bridge Asymmetric Cascaded Multi Level Inverter using MGWO-PI-PWM controller ", Microprocessors and Microsystems, 2020.
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2. S. Lakshmi and R. Ramaprabha, "Stability Evaluation of Four Phase High Gain Converter by small Signal Modeling", Revue Roumaine Des Sciences Techniques– SerieElectrotechnique et Energetique (ISSN / eISSN:0035-4066), Vol. 65, 1-2, pp. 75–80, Bucarest, Jul 2020.Indexed in Scopus & Web of Science (Thomson Reuters) and Inspec - The IET for indexing) - July 22, 2020. IF -0.255.
https://www.researchgate.net/publication/343152508_STABILITY_EVALUATION_OF_FOUR_PHASE_HIGH_GAIN_CONVERTER_BY_SMALL_SIGNAL_MODELING
3. S.S. Dheeban, N.B. MuthuSelvan, L. Krishnaveni, "Performance improvement of Photo-Voltaic panels by Super-Lift Luo converter in standalone application" Materials Today: Proceedings available online from 19th July 2020.
Scimago H Index 27, Scopus Cite Score 1.3. <https://doi.org/10.1016/j.matpr.2020.06.352>
https://www.researchgate.net/publication/342997369_Performance_improvement_of_Photo-Voltaic_panels_by_Super-Lift_Luo_converter_in_standalone_application
4. NandhaGopal J., Muthuselvan N.B, "Current mode fractional order PID control of wind-based quadratic boost converter inverter system with enhanced time response" Circuit World, 10th August 2020.
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5. G. Ramya and Dr. R. Ramaprabha, ASSP/EEE, "Performance Analysis of Photovoltaic Fed Grid Tied Modular Multilevel Converter", U.P.B. Scientific Bulletin, Series C- Electrical Engineering and Computer Science, Vol. 82, Issue. 3, pp. 179-188, (ISSN (print): 2286-3540 / (online): 2286-3559), Vol. 16, No. 1, pp. 195-210, Sep 2020.
Indexed in Scopus & Web of Science (Thomson Reuters) on 23.08.2020.
https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full967_329712.pdf
6. R.Seyezhai , ASSP/EEE and Dr.A.BharathiSankar , AP/School of Electronics Engineering, VIT University Chennai, "Comparative analysis of Maximum Power Point Tracking Algorithms for Photovoltaic Applications" WSEAS Transactions on Power Systems, Vol.15, 2020, ISSN No. 2224-350X,pp.161-171.
(SCOPUS Indexed, SJR Factor. : 0.122 & SNIP Factor :0.171).
DOI: 10.37394/232016.2020.15.20.

7. Padala Lakshmi, SaiVineetha (passed out PG student) and M. Balaji ASSP/EEE "" Fault Classification in SRM Drive Using Hilbert Transform"" Springer Lecture Notes in Electrical Engineering (LNEE, volume 688), "Advances in Smart Grid Technology, Select Proceedings of PECCON 2019 - Volume II", pp. 121–133, Springer, online ISBN 978-981-15-7241-8 Print ISBN 978-981-15-7240-1 (eBook).
Doi: https://doi.org/10.1007/978-981-15-7241-8_10 -Scopus indexed"
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8. Damodaren P.(Siechem Wires & Cables), Rengaraj R. (ASSP/EEE), Rohit D. (Siechem Wires & Cables), Venkatakrishnan G.R. (ASSP/EEE), SanthooshAravind S (Student) "Experimental Validation of Magnetic Field for Three-Phase Cables After Conductor Splitting and Phase Mixing", Advances in Intelligent Systems and Computing, vol 1163, pp. 303-314, Springer, Singapore, October 2020.
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9. Rengaraj R. (ASSP/EEE), Venkatakrishnan G.R. (ASSP/EEE), Moorthy P. (Student), Pratyusha R. (Student), Ritika(Student), Veena K(Student). "Transformer Oil Health Monitoring Techniques—An Overview", Advances in Intelligent Systems and Computing, vol 1163, pp. 135-154, Springer, Singapore, October 2020.
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10. Augustine MathuGnaniah, BalajiMahadevan , ASSP/EEE and KamarajVijayarajan, Prof&Head/EEE "Influence of Laminating Materials and Modified Pole Shapes on the Performance of Segmented Rotor Switched Reluctance Motor" Journal of Magnetics (eISSN 2233-6656), Vol.25,No.3, pp.347-354,2020.
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11. Nalina B S, Kamaraj V, Prof&Head/EEE, 'Implementation of Bidirectional Interleaved Switched Capacitor DC-DC Converter for Microgrid Applications', Solid State Technology(ISSN No. :0038-111X), Vol. 63, No.5,pp. 1838 – 1860 ,2020.
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12. Dr.R.Seyezhai/ASSP/EEE , K. Murugappan, G. Kishor Sabarish, N. Kaashyap, J. Jason Ranjit (passed out UG Students) published a paper titled, "Simulation and Analysis of Interleaved Buck DC-DC Converter for EV Charging" in Lecture Notes in Electrical Engineering, Springer Publications, Vol.1, 2020.
(SCOPUS Indexed, SJR Factor: 0.14).DOI: 10.1007/978-981-15-7245-6_28
13. Dr.R.Seyezhai/ASSP/EEE & M.Sridhar (Full-time research scholar) published a paper titled, "Simulation and Analysis of Integrated SEPIC-Flyback AC-DC PFC Converter for LED Applications", Lecture Notes in Mechanical Engineering, 2020.
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14. T. Divya and R. Ramaprabha, "Comparative Topological Study of Embedded Based Switched Boost Inverter" *Advances in Parallel Computing (IOS press E-books)*, Pages 37 – 44, Volume 37 in *Intelligent Systems and Computer Technology*, ISBN: 978-1-64368-102-3 (print) | 978-1-64368-103-0 (online),
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15. M. Joly and R. Ramaprabha, "Fuzzy tuned PI controller with improved sliding mode controller for three phase AC/DC converter in DC-DC distribution system", *Solid State Technology*, Vol. 63, Issue: 2s, pp. 6580-6593, 2020.
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16. Prabhu Sundaramoorthy, Balaji M ASSP/EEE., Suresh K., Ezhilventhan Natesan, Mohan K." Vibration analysis of E-core flux reversal free stator switched reluctance motor" *Circuit World*, Vol. 46 No. 4, pp. 325-334, 2020.
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17. Dr.R.Seyezhai/ASSP/EEE & Lakshmi Prabha (Passed out PG scholar), "Simulation and Hardware Implementation of Interleaved SEPIC Converter with Valley-Fill Circuit for HBLEDD System", *Lecture Notes in Mechanical Engineering*, 2020.
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18. A.Bharathisanakar, R.Seyezhai, "Piezo electric driven charging supercapacitors for biomedical sensors applications", *Journal of Environmental Nanotechnology*, 2020.
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19. R.Seyezhai, S.Harika, A.Jawahar, "Simulation study of Shading effects on PV Array", *Lecture Notes in Mechanical Engineering*, Vol.1, 2020.
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20. D. Umarani, R. Seyezhai and R. Sujatha, "Reliability Evaluation of Silicon Carbide (SiC) Boost Converter Using Stochastic Model," *Lecture Notes in Mechanical Engineering (Springer)*, 2020 Scopus Indexed. SJR Factor:0.17.DOI: 10.1007/978-981-13-9008-1_14
21. R.Seyezhai&M.Sridhar, "Investigation On Single Stage Integrated SEPIC-Buck Boost Converter With Minimal Output Capacitance For LED Applications", *International Journal of Advanced Science and Technology*, Vol. 29, No. 9s, (2020).
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<https://www.researchgate.net/publication/339678955> Internet of Things and Blockchain Based Distributed Energy Management of Smart Micro-grids
24. Leo Raju, S Sangeetha, V.Balaji, “IOT Based Demand side Management of micro grids”, Springer Nature AG 2020, Lecture Notes in Data Engineering and Communication Technology 31, PP. 334-341,2020.
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<https://www.researchgate.net/publication/334845240> IOT Based Demand Side Management of a Micro-grid
25. U.Shajith Ali, “Vanadium Redox Flow Battery Energy Storage System with Y-Source DC to DC Converter for Renewable Energy Applications”,Journal of Electrical and Electronics Engineering, Vol. 13, no. 1, May 2020.
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<https://www.proquest.com/openview/427b420fd3bbedfea2af4ec5468fff2a/1?pq-origsite=gscholar&cbl=54417>
26. Dr.K.Usha, C.archana, “Optimization of Electric Field Distribution Along a 400-kV Composite Insulator” in Advances in Smart Grid Technology - Volume II, Lecture Notes in Electrical Engineering, Volume 688, Springer.
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39. Dr. V. Thiyagarajan, ASSP/EEE, "Switched Staircase-Type Multilevel Inverter Structure with Reduced Number of Switches", Lecture Notes in Mechanical Engineering, ISSN: 2195-4356, pp 557-567, 2021. (Scopus Indexed, Impact Factor: 0.37)
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44. Dr.R.Seyezhai, ASSP/EEE and R.Niarimathi (Part-time scholar), "Realization And Control Of Multilevel Inverter With Gsa Tuned Pi Controller" in the Dynamic Systems and Applications 30 (2021) No.4, 645- 665, 2021.
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45. Dr. S.Tamilselvi (Associate Prof/EEE), C.Sonia, C.Visvesvaran, "Improved performance of grid connected converters using PCB- embedded transformer", online, Materials Today Proceedings, Elsevier, ISSN: 2214-7853
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47. G. R. Venkatakrisnan (ASSP/EEE), R. Rengaraj (ASSP/EEE), V. Arvindswamy (Head of New Initiatives at Power Economy Middle East, Chennai) "An Experimental Setup for Monitoring Distribution Transformer Health" in Distributed Generation & Alternative Energy Journal.
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48. Sathish Kumar K (ASSP/Chem), Rengaraj R (ASSP/EEE), Venkatakrisnan G.R (ASSP/EEE), Chandramohan A (SRF/Chem) "Polymeric materials for electromagnetic shielding - A review", in Material Today: Proceedings Journal, Elsevier.
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49. R Rengaraj (ASSP/EEE), G R Venkatakrisnan (ASSP/EEE), Adithya Pillai R (Student/EEE), Abinandhan R (Student/EEE), Dev Ganesh S (Student/EEE), Aravind K(Student/EEE) "Identification of Underground Faults using Internet of Things (IoT)" Journal of Physics: Conference Series Journal
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50. R. Rengaraj (ASSP/EEE), G. R. Venkatakrisnan (ASSP/EEE), Pranav Moorthy (Student/EEE), Ravi Pratyusha(Student/EEE), K. Veena (Student/EEE) published a paper titled " Implementation of Controller for Self-Balancing Robot" in Lecture Notes in Networks and Systems Journal, Springer
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