

List of Publications

International Journals

1. Karthik Balasubramanian, Sudhakar Babu Thanikanti, Umashankar Subramaniam, N Sudhakar, Sam Sichilalu, A novel review on optimization techniques used in wind farm modelling, Renewable Energy Focus, Vol.35, 2020
2. Pydikalva Padmavathi, Sudhakar Natarajan, Single switch quasi Z-source based high voltage gain DC-DC converter, International Transactions on Electrical Energy Systems, March 2020.
3. K Jyotheeswara Reddy, N Sudhakar, RBFN-Based MPPT Technique for PV System with High Voltage Gain Four-Phase Interleaved Boost Converter, Advances in Energy Research, Vol. 2, 2020.
4. Sudhakar Natarajan, Pydikalva Padmavathi, Jyotheeswara Reddy Kalvakurthi, Thanikanti Sudhakar Babu, Vigna K Ramachandaramurthy, Sanjeevikumar Padmanaban, Conducted Electromagnetic Interference Spectral Peak Mitigation in Luo-Converter Using FPGA-Based Chaotic PWM Technique, Electric Power Components and Systems, vol.47, 2019
5. Sudhakar Natarajan, Thanikanti Sudhakar Babu, Karthik Balasubramanian, Umashankar Subramaniam, Dhafer J Almakhlles, A State-of-the-Art Review on Conducted Electromagnetic Interference in Non-Isolated DC to DC Converters, IEEE Access, Vol.8, 2019
6. I Devadoss, P Sakthivel, S Muthukumaran, N Sudhakar, Enhanced blue-light emission on $\text{Cd}_{0.9-x}\text{Zn}_{0.1}\text{Cr}_x\text{S}$ ($0 \leq x \leq 0.05$) quantum dots, Ceramics International, Vol.45, 2019.
7. K Jyotheeswara Reddy, N Sudhakar, ANFIS-MPPT control algorithm for a PEMFC system used in electric vehicle applications, International Journal of Hydrogen Energy, Vol.44, 2019.

8. Pydikalva Padmavathi, Sudhakar Natarajan, A Novel High Gain Voltage-Lift Technique Based Transformer free Non-isolated Quadratic Boost Converter, MATEC Web of Conferences, Vol.225, 2018.
9. P Padmavathi, N Sudhakar, Solar Powered LED Lighting with High Gain Boost Converter, Journal of Green Engineering, Vol.8, Issue.3, 2018.
10. Jyotheeswara Reddy, N Sudhakar, Design and Analysis of a Hybrid PV-PEMFC System with MPPT Controller for a Three-Phase Grid-Connected System, Journal of Green Engineering, Vol.8, 2018
11. Jyotheeswara Reddy, Sudhakar Natarajan, Control and Analysis of MPPT Techniques for Standalone PV System with High Voltage Gain Interleaved Boost Converter, Gazi University Journal of Science, Vol.31, 2018.
12. K Jyotheeswara Reddy, N Sudhakar, A new RBFN based MPPT controller for grid-connected PEMFC system with high step-up three-phase IBC, International Journal of Hydrogen Energy, Vol.43, 2018.
13. K Jyotheeswara Reddy, Sudhakar Natarajan, Energy sources and multi-input DC-DC converters used in hybrid electric vehicle applications – A review, International Journal of Hydrogen Energy, Vol.43, 2018.
14. K Jyotheeswara Reddy, N Sudhakar, High Voltage Gain Interleaved Boost Converter With Neural Network Based MPPT Controller for Fuel Cell Based Electric Vehicle Applications, IEEE Access, Vol.6,2018.
15. Dhanup S Pillai, Bidyutprava Sahoo, J Prasanth Ram, Antonino Laudani, N Rajasekar, N Sudhakar, Modelling of Organic Photovoltaic Cells Based on an Improved Reverse Double Diode Model, Energy Procedia, Vol.117, 2017.
16. N Sudhakar, N Rajasekar, Saya Akhil, K Jyotheeswara Reddy, Chaos control in solar fed DC-DC boost converter by optimal parameters using nelder-mead algorithm powered enhanced BFOA, Proceedings of IOP Conference Series: Materials Science and Engineering, Vol.263,2017.
17. K Sangeetha, T Sudhakar Babu, N Sudhakar, N Rajasekar, Modeling, analysis and design of efficient maximum power extraction method for solar PV system, Sustainable Energy Technologies and Assessments, Vol.15, 2016.