| S.No | Title of the paper | Name of the author/s | Name of the journal | National / International | Year of publication | ISSN Number |
|---|---|---|---|---|---|---|
| 1 | Unified power quality conditioner-based solar EV charging station using the GBDTâ€"JS technique | Pandian Alagappan | Frontiers in Energy Research | INT | 2024 | 2296-598X |
| 2 | An efficient high-gain bidirectional interleaved boost converter for PV integration to DC microgrid | Pandian Alagappan Kiran Kumar Malligunta | PLOS ONE | INT | 2024 | 1932-6203 |
| 3 | Sustainable power management in light electric vehicles with hybrid energy storage and machine learning control | Pandian Alagappan | Scientific Reports | INT | 2024 | 2045-2322 |
| 4 | A Novel Hybrid RERNN-SCSO Technique-based Unified Power Quality Conditioner of Microgrid in an EV Charging Station | Pandian Alagappan | Arabian Journal for Science and Engineering | INT | 2024 | 2193567X |
| 5 | Pelican-FOPID Based DSTATCOM for real-time load compensation and harmonics mitigation in three-phase distribution system | Srinivasa Varma Pinni | Sustainable Computing: Informatics and Systems | INT | 2024 | 22105379 |
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| 8 | A new-fangled connection of UPQC tailored power device from wind farm to weak-grid | Kiran Kumar Malligunta | Frontiers in Energy Research | INT | 2024 | 2296598X |
| 9 | PMBLDC motor (PMBLDCM) with non-linear controller usage in electric propulsion of electric vehicles to control rotor speed (RS) and torque (EMT) | Loveswara Rao Burthi | e-Prime - Advances in Electrical Engineering, Electronics and Energy | INT | 2024 | 2772-6711 |
| 10 | Detecting Intruder and Black Hole Attackers in Mobile Adhoc Network | Tadanki Vijay Muni | SSRG International Journal of Electronics and Communication Engineering | INT | 2024 | 2348-8549 |
| 11 | Regenerative Braking in Electric Vehicles using BLDC motor with Modified Torque and Adaptive-Neuro-Fuzzy-Control | Loveswara Rao Burthi | Przeglad Elektrotechniczny | INT | 2024 | 332097 |
| 12 | Mitigation of Voltage Sag, Swell, PF correction and THD reduction using SST &DC breaker implementation in SST based charging station for EV: Chaotic GWO technique | Loveswara Rao Burthi | Journal of Integrated Science and Technology | INT | 2024 | 23214635 |
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| 17 | Sustainable energy management in microgrids: a multi-objective approach for stochastic load and intermittent renewable energy resources | J Somlal | Electrical Engineering | INT | 2024 | 9487921 |
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| | Title | Author | Journal | | Year | |
|---|---|---|---|---|---|---|
| 19 | Forecasting Stability of Smart Grids using Highway Deep Pyramid Convolutional Neural Network (HPDCNN) Approach | Pandian Alagappan | International Journal of Intelligent Systems and Applications in Engineerin | INT | 2024 | 21476799 |
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| 23 | Evaluation of a multiphase cascaded H-bridge inverter for induction motor operation | B Jyothi, P S Varma | Scientific Reports | INT | 2024 | 20452322 |
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| 26 | A novel strategy towards efficient and reliable electric vehicle charging for the realisation of a true sustainable transportation landscape | B Jyothi | Scientific Reports | INT | 2024 | 20452322 |
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|----|----|----|----|----|----|----|
| 39 | Detecting Intruder and Black Hole Attackers in Mobile Adhoc Network | T Vijay Muni | SSRG International Journal of Electronics and Communication Engineering | INT | 2024 | 23488549 |
| 40 | Enhancing network security with hybrid feedback systems in chaotic optical communication | A Pandian | Scientific Reports | INT | 2024 | 20452322 |
| 41 | Unified power quality conditionerbased solar EV charging station using the GBDT–JS technique | Prasada Rao C.S.V.; Pandian A.; Reddy C.R.; Bajaj M.; Massoud J.; Shouran M. | Frontiers in Energy Research | INT | 2024 | 1343635 |
| 42 | Enhancing EV charging predictions: a comprehensive analysis using Knearest neighbours and ensemble stack generalization | Kumar B.A.; Jyothi B.; Singh A.R.; Bajaj M. | Multiscale and Multidisciplinary Modeling, Experiments and Design | INT | 2024 | 4011-4037 |
| 43 | A Quantum-Inspired Optimization Strategy for Optimal Dispatch to Increase Heat and Power Efficiency. | Vanitha K.; Jyothi B.; Kumar R.S.; Chandrika V.S.; Singh A.R.; Naidoo R.M. | Journal of Engineering (United Kingdom) | INT | 2024 | 2314-4912 |
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| 45 | Simulation modeling of PMBLDC motor speed control in electric propulsion of EV system using adaptive nonlinear fuzzy sliding mode controller (ANF-SMC) | Begam Shaik R.; Loveswara Rao B.; Shobha Rani D. | International Journal of Modeling, Simulation, and Scientific Computing | INT | 2024 | 0033-2097 |
| 46 | AC Networks With Microgrids: Passivity-Based Controllers in Single Phase Electric Network | Hemalatha S.; Swapna G.; Govinda Rao S.; Suresh C. | Electric Power Components and Systems | INT | 2024 | 1532-5008 |