

Sheik Mohammed S

List of Publications by Year in descending order

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22
papers

293
citations

1478505

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1872680

6
g-index

23
all docs

23
docs citations

23
times ranked

164
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A novel hybrid Maximum Power Point Tracking Technique using Perturb & Observe algorithm and Learning Automata for solar PV system. Energy, 2016, 112, 1096-1106. | 8.8 | 76 |
| 2 | Variable step size Perturb and observe MPPT algorithm for standalone solar photovoltaic system. , 2017, , . | | 42 |
| 3 | Simulation and analysis of stand-alone photovoltaic system with boost converter using MATLAB/Simulink. , 2014, , . | | 29 |
| 4 | Charge Scheduling Optimization of Plug-In Electric Vehicle in a PV Powered Grid-Connected Charging Station Based on Day-Ahead Solar Energy Forecasting in Australia. Sustainability, 2022, 14, 3498. | 3.2 | 28 |
| 5 | Simulation of Incremental Conductance MPPT based two phase interleaved boost converter using MATLAB/Simulink. , 2015, , . | | 27 |
| 6 | Interruptible charge scheduling of plug-in electric vehicle to minimize charging cost using heuristic algorithm. Electrical Engineering, 2022, 104, 1425-1440. | 2.0 | 16 |
| 7 | Maximum power point tracking system for stand alone solar PV power system using Adaptive Neuro-Fuzzy Inference System. , 2016, , . | | 13 |
| 8 | GA-Optimized Fuzzy-Based MPPT Technique for Abruptly Varying Environmental Conditions. Journal of the Institution of Engineers (India): Series B, 2021, 102, 497-508. | 1.9 | 11 |
| 9 | Comparison of P&O MPPT Based Solar PV System with Interleaved Boost Converter. , 2019, , . | | 9 |
| 10 | Modeling, Simulation and Analysis of Photovoltaic Modules under Partially Shaded Conditions. Indian Journal of Science and Technology, 2016, 9, . | 0.7 | 7 |
| 11 | Learning Automata based fuzzy MPPT controller for solar photovoltaic system under fast changing environmental conditions. Journal of Intelligent and Fuzzy Systems, 2017, 32, 3031-3041. | 1.4 | 6 |
| 12 | Smart Meter Data Analytics for Load Prediction using Extreme Learning Machines and Artificial Neural Networks. , 2019, , . | | 6 |
| 13 | Development and implementation of arduino microcontroller based dual mode fire extinguishing robot. , 2017, , . | | 5 |
| 14 | Optimized Charge Scheduling of Plug-In Electric Vehicles using Modified Placement Algorithm. , 2019, , . | | 5 |
| 15 | Standalone PV System with Modified VSS P&O MPPT Controller Suitable for Partial Shading Conditions. , 2021, , . | | 5 |
| 16 | Energy Management Control of DC Microgrid with Electric Vehicle and Hybrid Energy Storage System. , 2019, , . | | 3 |
| 17 | Optimal Microgrid Battery Scheduling Using Simulated Annealing. , 2020, , . | | 3 |
| 18 | Design and Simulation of Stand-alone DC Microgrid with Energy Storage System. , 2019, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A Novel One Stage Buck-Boost Inverter. , 2019, , . | | 1 |
| 20 | A 2.45GHz Sierpinski carpet edge-fed microstrip patch fractal antenna for WPT rectenna. , 2010, , . | | 0 |
| 21 | A 2.45GHz Sierpinski Carpet edge-fed microstrip patch fractal antenna for WPT rectenna. , 2010, , . | | 0 |
| 22 | Optimal Design and Implementation of Solar-Powered EV Public Charging Station. Lecture Notes in Electrical Engineering, 2021, , 2131-2139. | 0.4 | 0 |