

# Rachana Garg

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

238  
citations

1307594

7  
h-index

1058476

14  
g-index

26  
all docs

26  
docs citations

26  
times ranked

205  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Characterization Studies of Dual-Input Single-Output Converters for PV Applications. IETE Journal of Research, 2022, 68, 1265-1276.   | 2.6 | 2         |
| 2  | Analysing the impact of various incentives on solar tariff in India. International Journal of Sustainable Energy, 2022, 41, 126-147.  | 2.4 | 1         |
| 3  | Review of islanding detection schemes for utility interactive solar photovoltaic systems. International Journal of Green Energy, 2022, 19, 242-253.                                 | 3.8 | 14        |
| 4  | AES-FLL control of RES powered microgrid for power quality improvement with synchronization control. Electric Power Systems Research, 2022, 203, 107681.                            | 3.6 | 4         |
| 5  | Performance improvement of grid-integrated PV system using novel robust least mean logarithmic square control algorithm. Electrical Engineering, 2022, 104, 3207-3224.              | 2.0 | 2         |
| 6  | Modified Synchronous Reference Frame Control of Solar Photovoltaic-Based Microgrid for Power Quality Improvement. Arabian Journal for Science and Engineering, 2021, 46, 1001-1018. | 3.0 | 8         |
| 7  | Grid Tied SPV System with Combined LMS-LMF Algorithm for VSC Control. , 2021, , .   |     | 1         |
| 8  | Uncertain data processing of PMU modules using fuzzy Petri net. Journal of Intelligent and Fuzzy Systems, 2021, , 1-13.   | 1.4 | 1         |
| 9  | Asymmetrical interval type-2 fuzzy logic control based MPPT tuning for PV system under partial shading condition. ISA Transactions, 2020, 100, 251-263.                             | 5.7 | 67        |
| 10 | Comparative Analysis of different Variants of Particle Swarm Optimization for Economic Load Dispatch Problem. , 2020, , .   |     | 0         |
| 11 | ANFIS-Based Control of Multi-objective Grid Connected Inverter and Energy Management. Journal of the Institution of Engineers (India): Series B, 2020, 101, 1-14.                   | 1.9 | 14        |
| 12 | IAQ&LMS&E-based control of PV&battery interfaced microgrid in grid&connected and autonomous modes. IET Power Electronics, 2020, 13, 3999-4007.                                      | 2.1 | 4         |
| 13 | Smooth LMS&Ebased adaptive control of SPV system tied to grid for enhanced power quality. IET Power Electronics, 2020, 13, 3456-3466.   | 2.1 | 11        |
| 14 | ASYMMETRICAL FUZZY LOGIC CONTROL BASED MPPT ALGORITHM FOR STAND-ALONE PV SYSTEM UNDER PARTIALLY SHADED CONDITIONS. Scientia Iranica, 2019, .  | 0.4 | 7         |
| 15 | Design, development, and reliability assessment of dual output converters for SPV based DC nanogrid. Journal of Renewable and Sustainable Energy, 2018, 10, .                       | 2.0 | 7         |
| 16 | Techno-Economic Analysis of Different Lighting Schemes: A Case Study. , 2018, , .   |     | 2         |
| 17 | Design & Implementation of Solar Fed Intensity Controlled Streetlight. , 2018, , .  |     | 2         |
| 18 | Study of Forced Oscillations in Two Area Power System. , 2018, , .  |     | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Algorithm for islanding detection in photovoltaic generator network connected to low-voltage grid. IET Generation, Transmission and Distribution, 2018, 12, 2280-2287. | 2.5 | 34        |
| 20 | Tuning of asymmetrical fuzzy logic control algorithm for SPV system connected to grid. International Journal of Hydrogen Energy, 2017, 42, 16375-16385.                | 7.1 | 36        |
| 21 | Digital Model of Railway Electric Traction Lines. Journal of the Institution of Engineers (India): Series B, 2017, 98, 377-384.  | 1.9 | 2         |
| 22 | Grid integrated PMSG based Wind Energy System: Modelling, control and simulation. , 2016, , .  |     | 6         |
| 23 | Techno-economic analysis of Solar photovoltaic power plant for Delhi Secretariat building. , 2016, , .   |     | 3         |
| 24 | Sensitivity model of energy consumption by railway electric locomotive. , 2015, , .  |     | 1         |
| 25 | Sensitivity analysis of pantograph-catenary system model. , 2012, , .  |     | 3         |
| 26 | Control of Grid Integrated Photovoltaic system using new Variable Step Size Least Mean Square adaptive filter. Electrical Engineering, 0, , 1.                         | 2.0 | 3         |