

Shriram Srinivasarangan Rangarajan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

195
citations

8
h-index

12
g-index

44
ext. papers

490
ext. citations

2.3
avg, IF

3.75
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 36 | Technical and Economic Analysis of an HVDC Transmission System for Renewable Energy Connection in Afghanistan. <i>Sustainability</i> , 2022 , 14, 1468 | 3.6 | 1 |
| 35 | An Energy-Efficient Start-Up Strategy for Large Variable Speed Hydro Pump Turbine Equipped with Doubly Fed Asynchronous Machine. <i>Energies</i> , 2022 , 15, 3138 | 3.1 | 0 |
| 34 | Optimal Hybrid PV Array Topologies to Maximize the Power Output by Reducing the Effect of Non-Uniform Operating Conditions. <i>Electronics (Switzerland)</i> , 2021 , 10, 3014 | 2.6 | 2 |
| 33 | Economic Emission Load Dispatch Problem with Valve-Point Loading Using a Novel Quasi-Oppositional-Based Political Optimizer. <i>Electronics (Switzerland)</i> , 2021 , 10, 2596 | 2.6 | 1 |
| 32 | Solid-State DC Circuit Breakers and Their Comparison in Modular Multilevel Converter Based-HVDC Transmission System. <i>Electronics (Switzerland)</i> , 2021 , 10, 1204 | 2.6 | 8 |
| 31 | Synergistic Damping Operation of TCSC and CPSS Using PSO in a Power System. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 17-26 | 0.2 | |
| 30 | Novel Utilization of Phasor Measurement Units (PMU) in Smart Grid Restoration: A Brief Survey. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 431-442 | 0.2 | 0 |
| 29 | Transient Stability Enhancement Using FACTS Devices in a Distribution System Involving Distributed Generation Systems. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 507-515 | 0.2 | 0 |
| 28 | A Simplified Output Feedback Controller for the DC-DC Boost Power Converter. <i>Electronics (Switzerland)</i> , 2021 , 10, 493 | 2.6 | 3 |
| 27 | Enhancing the Power Quality of the Grid Interactive Solar Photovoltaic-Electric Vehicle System. <i>World Electric Vehicle Journal</i> , 2021 , 12, 98 | 2.5 | 4 |
| 26 | A Brief Survey on Important Interconnection Standards for Photovoltaic Systems and Electric Vehicles. <i>World Electric Vehicle Journal</i> , 2021 , 12, 117 | 2.5 | 1 |
| 25 | A Quasi-Oppositional Heap-Based Optimization Technique for Power Flow Analysis by Considering Large Scale Photovoltaic Generator. <i>Energies</i> , 2021 , 14, 5382 | 3.1 | 0 |
| 24 | Dynamic Voltage Stability Assessment in Remote Island Power System with Renewable Energy Resources and Virtual Synchronous Generator. <i>Energies</i> , 2021 , 14, 5851 | 3.1 | 0 |
| 23 | Online Learning-Based ANN Controller for a Grid-Interactive Solar PV System. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8712 | 2.6 | 0 |
| 22 | Techno-economic Benefits of Grid Penetrated 1 MW PV System in India. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 739-748 | 0.2 | |
| 21 | An Extensive Review of Multilevel Inverters Based on Their Multifaceted Structural Configuration, Triggering Methods and Applications. <i>Electronics (Switzerland)</i> , 2020 , 9, 433 | 2.6 | 18 |
| 20 | Novel Efficacious Utilization of Fuzzy-Logic Controller-Based Two-Quadrant Operation of PMBLDC Motor Drive Systems for Multipass Hot-Steel Rolling Processes. <i>Electronics (Switzerland)</i> , 2020 , 9, 1008 | 2.6 | 3 |

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|----|--|-----|----|
| 19 | Islanding operation scheme for DC microgrid utilizing pseudo Droop control of photovoltaic system. <i>Energy for Sustainable Development</i> , 2020 , 55, 95-104 | 5.4 | 18 |
| 18 | Novel Exertion of Intelligent Static Compensator Based Smart Inverters for Ancillary Services in a Distribution Utility Network-Review. <i>Electronics (Switzerland)</i> , 2020 , 9, 662 | 2.6 | 6 |
| 17 | Hall-Sensor-Based Position Detection for Quick Reversal of Speed Control in a BLDC Motor Drive System for Industrial Applications. <i>Electronics (Switzerland)</i> , 2020 , 9, 1149 | 2.6 | 3 |
| 16 | Neoteric Fuzzy control stratagem and design of Chopper fed Multilevel Inverter for enhanced Voltage Output involving Plug-In Electric Vehicle (PEV) applications. <i>Electronics (Switzerland)</i> , 2019 , 8, 1092 | 2.6 | 10 |
| 15 | Efficacy of a Smart Photovoltaic inverter as a virtual detuner for mitigating Network Harmonic Resonance in Distribution Systems. <i>Electric Power Systems Research</i> , 2019 , 171, 175-184 | 3.5 | 13 |
| 14 | Smart PV and SmartPark inverters as suppressors of TOV phenomenon in distribution systems. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 5909-5917 | 2.5 | 12 |
| 13 | A survey on global PV interconnection standards 2017 , | | 14 |
| 12 | Harmonic resonance repercussions of PV and associated distributed generators on distribution systems 2017 , | | 8 |
| 11 | Detuning of harmonic resonant modes in accordance with IEEE 519 standard in an exemplary north american distribution system with PV and wind 2017 , | | 9 |
| 10 | Distributed generators optimal sizing and placement in a microgrid using PSO 2017 , | | 4 |
| 9 | Comparative impact assessment of filter elements associated with PWM and hysteresis controlled PV on network harmonic resonance in distribution systems 2017 , | | 4 |
| 8 | Application of Cubic Spline Interpolation in estimating Market power under deregulated electricity market 2015 , | | 1 |
| 7 | Coordinated operation of multiple inverter based renewable distributed generators as an active power injector and reactive power compensator 2014 , | | 6 |
| 6 | Analysis on power distribution system in India-Patna city- A case study 2014 , | | 1 |
| 5 | Effect of distributed generation on line losses and Network Resonances 2014 , | | 8 |
| 4 | Enhancing the Power Transfer Capability in a power system network using Series Connected FACTS Devices for increased Renewable penetration 2014 , | | 2 |
| 3 | Cost estimation and recovery analysis of a PV Solar farm utilized round the clock 2013 , | | 4 |
| 2 | Novel 24 hour usage of a PV Solar Farm for reducing Line Loss 2013 , | | 4 |

