

# PSManoharan

## List of Publications by Year in descending order

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42  
papers

819  
citations

840776

11  
h-index

552781

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g-index

42  
all docs

42  
docs citations

42  
times ranked

799  
citing authors

#	ARTICLE	IF	CITATIONS
1	Economic analysis of hybrid power systems (PV/diesel) in different climatic zones of Tamil Nadu. Energy Conversion and Management, 2014, 80, 469-476.	9.2	88
2	Comparative analysis of distributed MPPT controllers for partially shaded stand alone photovoltaic systems. Energy Conversion and Management, 2014, 86, 286-299.	9.2	79
3	Evolutionary algorithm solution and KKT based optimality verification to multi-area economic dispatch. International Journal of Electrical Power and Energy Systems, 2009, 31, 365-373.	5.5	73
4	Modeling and simulation of three phase multilevel inverter for grid connected photovoltaic systems. Solar Energy, 2011, 85, 2811-2818.	6.1	70
5	Multi-criteria decision analysis for renewable energy integration: A southern India focus. Renewable Energy, 2018, 121, 474-488.	8.9	70
6	FPGA based multilevel cascaded inverters with SVPWM algorithm for photovoltaic system. Solar Energy, 2013, 87, 229-245.	6.1	66
7	Penalty parameter-less constraint handling scheme based evolutionary algorithm solutions to economic dispatch. IET Generation, Transmission and Distribution, 2008, 2, 478.	2.5	59
8	Simulation and an experimental investigation of SVPWM technique on a multilevel voltage source inverter for photovoltaic systems. International Journal of Electrical Power and Energy Systems, 2013, 52, 116-131.	5.5	50
9	Prospects of hybrid photovoltaic-diesel standalone system for six different climate locations in Indian state of Tamil Nadu. Journal of Cleaner Production, 2018, 185, 309-321.	9.3	46
10	Demand side management approach to rural electrification of different climate zones in Indian state of Tamil Nadu. Energy, 2017, 138, 799-815.	8.8	45
11	Covariance matrix adapted evolution strategy algorithm-based solution to dynamic economic dispatch problems. Engineering Optimization, 2009, 41, 635-657.	2.6	33
12	Non-linear modeling and PID control of twin rotor MIMO system. , 2012, , .		32
13	PID control scheme for twin rotor MIMO system using a real valued genetic algorithm with a predetermined search range. , 2013, , .		12
14	Uncertainty modeling of nonlinear 2-DOF helicopter model. , 2014, , .		10
15	MATLAB Simulation of UPQC for Power Quality Mitigation Using an Ant Colony Based Fuzzy Control Technique. Scientific World Journal, The, 2015, 2015, 1-9.	2.1	8
16	Fault Detection in Grid Connected PV System using Artificial Neural Network. , 2021, , .		8
17	Experimental validation of solar panel integrated modified three-port active clamp flyback converter fed micro-inverter. Semiconductor Science and Technology, 2020, 35, 105020.	2.0	8
18	Model predictive control of TRMS. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
19	Predicting Diabetes Mellitus Using Modified Support Vector Machine with Cloud Security. IETE Journal of Research, 2022, 68, 3940-3950.	2.6	7
20	PERFORMANCE ANALYSIS OF HIGH EFFICIENT AND LOW POWER ARCHITECTURE FOR FUZZY BASED IMAGE FUSION. American Journal of Applied Sciences, 2014, 11, 769-781.	0.2	5
21	Feasibility Sensitivity Analysis in Potential Area for Standalone Hybrid Renewable Energy in Tamil Nadu, India. Applied Mechanics and Materials, 0, 573, 757-766.	0.2	5
22	Robust controller for grid-connected quasi-admittance source inverter for photovoltaic system. Electric Power Systems Research, 2019, 175, 105879.	3.6	5
23	A Novel 21 Level Switched Capacitor Modular Multilevel Inverter Using Gray Wolf Optimization. Journal of Electrical Engineering and Technology, 2022, 17, 283-294.	2.0	5
24	VLSI based space vector pulse width modulation switching control. , 2012, , .		3
25	PID Tuning and Control for 2-DOF Helicopter Using Particle Swarm Optimization. Lecture Notes in Computer Science, 2013, , 662-672.	1.3	3
26	Optimization and Cost of Energy of Renewable Energy System in Health Clinic Building for a Coastal Area in Tamil Nadu, India Using Homer. Research Journal of Applied Sciences, Engineering and Technology, 2014, 8, 2048-2056.	0.1	3
27	Simulation and Experimental Verification of Intelligence MPPT Algorithms for Standalone Photovoltaic Systems. Research Journal of Applied Sciences, Engineering and Technology, 2014, 8, 1695-1704.	0.1	3
28	Analysis of EOT characteristics of LED lamps. , 2014, , .		3
29	Detection and estimation of grid-connected issues in quasi-source inverter based photovoltaic system using robust parametric methods. IET Power Electronics, 2020, 13, 3661-3674.	2.1	3
30	Investigational Validation of PV Based DCD-MLI Using Simplified SVM Algorithm Utilizing FPGA Tied with Independent Sources. Circuits and Systems, 2016, 07, 3831-3848.	0.1	3
31	Simulation and Experimental Verification of MPPT Algorithms for Partially Shaded Stand Alone Photovoltaic Systems. Lecture Notes in Electrical Engineering, 2015, , 153-161.	0.4	2
32	Optimizing an On-Grid Hybrid Power System in Educational Institution in Tamil Nadu, India. Springer Transactions in Civil and Environmental Engineering, 2019, , 93-103.	0.4	2
33	Tracking Trajectory Using Iterative Learning Control. , 2011, , .		1
34	Performance Analysis of Unified Power Quality Conditioner for Power Quality Improvement. Applied Mechanics and Materials, 2014, 573, 690-695.	0.2	1
35	Modeling and Simulation of Three-Phase DCMLI Using SVPWM for Photovoltaic System. Lecture Notes in Electrical Engineering, 2015, , 39-45.	0.4	1
36	Islanding and Non-Islanding Detection for Grid Connected Distribution System. Applied Mechanics and Materials, 0, 573, 696-701.	0.2	0

#	ARTICLE	IF	CITATIONS
37	Analysis of EOT characteristics of OLED using integrating sphere. , 2016, , .		0
38	Model Adaptive Controller for Multi-Level Quasi Z-Source Inverter. , 2018, , .		0
39	Model Predictive Control of Quadruple Tank System. , 2019, , .		0
40	Modelling and Implementation of RECCo Controller for Nonlinear System. , 2021, , .		0
41	UPFC damping controller design using multi-objective evolutionary algorithms. International Journal of Business Intelligence and Data Mining, 2017, 12, 1.	0.2	0
42	Control Strategy for Switched-Impedance Quasi-Z-Source Inverter. , 2022, , .		0