

Ramesh Babu N

List of Publications by Year in descending order

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37
papers

1,289
citations

567281

15
h-index

477307

29
g-index

38
all docs

38
docs citations

38
times ranked

1154
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximum power point tracking algorithms for photovoltaic system – A review. Renewable and Sustainable Energy Reviews, 2016, 57, 192-204.	16.4	262
2	Recent developments of control strategies for wind energy conversion system. Renewable and Sustainable Energy Reviews, 2016, 66, 268-285.	16.4	141
3	RBFN based MPPT algorithm for PV system with high step up converter. Energy Conversion and Management, 2016, 122, 239-251.	9.2	102
4	Fault classification in power systems using EMD and SVM. Ain Shams Engineering Journal, 2017, 8, 103-111.	6.1	89
5	Design and Development of Single Switch High Step-Up DC-DC Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 855-863.	5.4	87
6	Fuzzy Logic Based MPPT for Permanent Magnet Synchronous Generator in wind Energy Conversion System. IFAC-PapersOnLine, 2016, 49, 462-467.	0.9	75
7	Design and Analysis of RBFN-Based Single MPPT Controller for Hybrid Solar and Wind Energy System. IEEE Access, 2017, 5, 15308-15317.	4.2	70
8	Analysis and implementation of high step-up DC-DC converter for PV based grid application. Applied Energy, 2017, 190, 64-72.	10.1	61
9	EPAW: Efficient Privacy Preserving Anonymous Mutual Authentication Scheme for Wireless Body Area Networks (WBANs). IEEE Access, 2020, 8, 48576-48586.	4.2	54
10	A modified high step-up non-isolated DC-DC converter for PV application. Journal of Applied Research and Technology, 2017, 15, 242-249.	0.9	50
11	Neural Network Based Maximum Power Point Tracking Control with Quadratic Boost Converter for PMSG-Wind Energy Conversion System. Electronics (Switzerland), 2018, 7, 20.	3.1	43
12	Improving Forecast Accuracy of Wind Speed Using Wavelet Transform and Neural Networks. Journal of Electrical Engineering and Technology, 2013, 8, 559-564.	2.0	31
13	Speech recognition using MFCC and DTW. , 2014, , .		28
14	Coordinated Control Strategies for a Permanent Magnet Synchronous Generator Based Wind Energy Conversion System. Energies, 2017, 10, 1493.	3.1	28
15	Performance analysis of boost & Cuk converter in MPPT based PV system. , 2015, , .		23
16	Efficient anonymous authentication scheme for automatic dependent surveillance-broadcast system with batch verification. IET Communications, 2021, 15, 1187-1197.	2.2	19
17	Power Electronic Converter Configurations Integration with Hybrid Energy Sources – A Comprehensive Review for State-of-the-Art in Research. Electric Power Components and Systems, 2019, 47, 1623-1650.	1.8	17
18	Coordinated MPPT and DPC Strategies for PMSG based Grid Connected Wind Energy Conversion System. Energy Procedia, 2018, 145, 339-344.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Analysis of MISO Super Lift Negative Output Luo Converter with MPPT for DC Grid Connected Hybrid PV/Wind System. Energy Procedia, 2018, 145, 345-350.	1.8	10
20	Comparison of ANFIS and ARIMA Model for Weather forecasting. Indian Journal of Science and Technology, 2015, 8, 70.	0.7	8
21	Fuzzy Logic-Based Pitch Angle Controller for PMSG-Based Wind Energy Conversion System. Lecture Notes in Electrical Engineering, 2018, , 277-286.	0.4	8
22	Dynamic Neural Network Based Very Short-Term Wind Speed Forecasting. Wind Engineering, 2014, 38, 121-128.	1.9	7
23	Analysis of integrated Boost-Cuk high voltage gain DC-DC converter with RBFN MPPT for solar PV application. , 2017, , .		7
24	Implementation of Different MPPT Techniques in Solar PV Tree under Partial Shading Conditions. Sustainability, 2021, 13, 7208.	3.2	7
25	Non-Isolated DC-DC Converter for Renewable Based Grid Application. Energy Procedia, 2016, 103, 310-315.	1.8	6
26	Analysis of high voltage-gain hybrid DC-DC power converter with RBFN based MPPT for renewable photovoltaic applications. , 2017, , .		6
27	Artificial neural network-based control strategies for PMSG-based grid connected wind energy conversion system. International Journal of Materials and Product Technology, 2019, 58, 323.	0.2	6
28	Design and development of a high step-up DC-DC Converter for non-conventional energy applications. , 2016, , .		5
29	Coordinated DTC and VOC control for PMSG based grid connected wind energy conversion system. , 2017, , .		4
30	Comparison Between PI Controller and Fuzzy Logic-Based Control Strategies for Harmonic Reduction in Grid-Integrated Wind Energy Conversion System. Lecture Notes in Electrical Engineering, 2018, , 297-306.	0.4	4
31	Influence of Geometrical Changes in an Adiabatic Portion on the Heat Transfer Performance of a Two-Phase Closed Thermosiphon System. Energies, 2021, 14, 3070.	3.1	4
32	A Review on Grid Codes and Reactive Power Management in Power Grids with WECS. Lecture Notes in Electrical Engineering, 2018, , 525-539.	0.4	3
33	A Study of DC-DC Converters with MPPT for Standalone Solar Water-Pumping System. Advances in Intelligent Systems and Computing, 2019, , 373-381.	0.6	3
34	RBFN based maximum power point strategy with SEPIC converter for standalone PMSG based wind energy conversion system. , 2017, , .		2
35	Enhancement of power system performance with SVC-DFIG in 140 kV bus system. , 2017, , .		2
36	Comparative Analysis of DC/DC Converters with MPPT Techniques Based PV System. Lecture Notes in Electrical Engineering, 2018, , 275-284.	0.4	2

#	ARTICLE	IF	CITATIONS
37	High Response Photon-Counting for Phase Fraction Measurement Using Compact-RIO with FPGA. Lecture Notes in Electrical Engineering, 2018, , 133-137.	0.4	0