L M Saini

List of Publications by Year
in descending order

55 papers	**1,443** citations	687363 **13** h-index	752698 **20** g-index
56 all docs	**56** docs citations	**56** times ranked	**1596** citing authors

#	Article	IF	Citations
1	Photovoltaic‐based grid‐connected transformer‐less three‐phase cascaded diode‐clamped multilevel inverter with reduced leakage current. International Journal of Circuit Theory and Applications, 2022, 50, 2398-2422.	2.0	4
2	Cascaded diode clamped inverter based grid‐connected photovoltaic energy conversion system with enhanced power handling capability and efficiency. IET Renewable Power Generation, 2021, 15, 600-613.	3.1	2
3	Power enhancement of single‐phase transformer‐less grid‐connected cascaded half‐bridge diode clamped inverter under partial shaded photovoltaic. International Transactions on Electrical Energy Systems, 2021, 31, e12998.	1.9	1
4	Effect of Screen Segmentation on Target Distractor Discrimination Task: an ERP Study. , 2020, , .		1
5	FinFET based 2-4 and 4-16 mixed line decoder for low power and high speed application. AIP Conference Proceedings, 2020, , .	0.4	0
6	IoT based Diagnosing Myocardial Infarction through Firebase Web Application. , 2019, , .		8
7	DC to DC converter based Asymmetrical multilevel inverter with reduced number of components. , 2019, , .		0
8	Buck converter-based cascaded asymmetrical multilevel inverter with reduced components. International Transactions on Electrical Energy Systems, 2018, 28, e2501.	1.9	12
9	Recent research on transformer based single DC source multilevel inverter: A review. Renewable and Sustainable Energy Reviews, 2018, 82, 3207-3224.	16.4	38
10	Low Power and Low Noise Instrumentation Amplifier. , 2018, , .		1
11	Automatic Load Balancing of Power Distribution System Using MAXQ3183 Meter and Powerline Communication. , 2018, , .		0
12	Performance Comparison of ST7580 Power Line Communication with Signal Wire Technique. , 2018, , .		0
13	A Review on Powerline Carrier Channels for both Overhead Lines and Underground Cables. , 2018, , .		2
14	Load balancing of electrical power distribution system: An overview. , 2018, , .		12
15	5.13 Smart Grid Energy Management. , 2018, , 474-536.		2
16	Power-line communications for smart grid: Progress, challenges, opportunities and status. Renewable and Sustainable Energy Reviews, 2017, 67, 704-751.	16.4	95
17	ROI based detection of abnormalities in lungs using medical image processing. , 2017, , .		1
18	Powerline FSK communication using signal wire technique. , 2017, , .		2

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19	An algorithm for control of prosthetic foot by gait characteristics. , 2017, , .		4
20	Non-invasive wireless EEG monitor. , 2017, , .		0
21	Three phase power metering using MAXQ3183. , 2017, , .		3
22	Design and implementation of a low cost device to extract finger Plethysmogram. , 2016, , .		1
23	Counting and classification of white blood cell using Artificial Neural Network (ANN). , 2016, , .		33
24	Color channel based segmentation of skin lesion from clinical images for the detection of melanoma. , 2016, , .		12
25	Detection of Poikilocyte cells in Iron Deficiency Anaemia using Artificial Neural Network. , 2016, , .		10
26	CPLD based FSK modem for narrowband power line communication. , 2016, , .		1
27	Small-signal Analysis of Novel Bidirectional Naturally Clamped Zero Current Switching Current-fed Half-bridge DC/DC Converter for Hybrid Energy System. Electric Power Components and Systems, 2016, 44, 390-401.	1.8	0
28	Design and implementation of fuzzy logic controller for static switching control of voltage generated in self-excited induction generator. Energy Systems, 2016, 7, 411-427.	3.0	6
29	Critical analysis of classification techniques for polarimetric synthetic aperture radar data. International Journal of Advances in Intelligent Informatics, 2016, 2, 7.	1.2	0
30	A voltage and state of charge control technique for battery-supercapacitor hybrid energy storage system for standalone photovoltaic application. , 2015, , .		0
31	A study of PDF based approach to classify full polarimetric radar data. , 2015, , .		1
32	Small signal analysis of dual inductor current-fed bidirectional converter for fuel cell vehicle. , 2015, , .		0
33	Robust technique for the detection of Acute Lymphoblastic Leukemia. , 2015, , .		34
34	Maximum power point tracking using integrated neuro fuzzy algorithm in PV system with full bridge ZVS converter for battery charger applications. , 2015, , .		0
35	A reliable single stage single phase hybrid solar inverter with anti-islanding protection. , 2015, , .		0
36	Performance analysis of smart metering for smart grid: An overview. Renewable and Sustainable Energy Reviews, 2015, 49, 720-735.	16.4	127

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37	Detection of Acute Lymphoblastic Leukemia using watershed transformation technique. , 2015, , .		16
38	A critical analysis of EM based fusion of different polarization data for effect on land cover classification. Advances in Space Research, 2015, 56, 1094-1105.	2.6	8
39	Single stage single phase solar inverter with improved fault ride through capability. , 2014, , .		4
40	Solar energy prediction using linear and non-linear regularization models: A study on AMS (American) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	8.8	59
41	A comparative analysis of supervised land cover classification using multi-polarized PALSAR EM image fusion. , 2014, , .		0
42	Parameter Estimation of Permanent-Split Capacitor-Run Single-Phase Induction Motor Using Computed Complex Voltage Ratio. IEEE Transactions on Industrial Electronics, 2014, 61, 682-692.	7.9	26
43	Land cover classification using EM algorithm based multi-polarized ALOS PALSAR image fusion. , 2013, , .		3
44	Design of a DC-DC converter for photovoltaic solar system. , 2012, , .		9
45	Parameter optimisation using genetic algorithm for support vector machine-based price-forecasting model in National electricity market. IET Generation, Transmission and Distribution, 2010, 4, 36.	2.5	65
46	Short term price forecasting in deregulated electricity markets. International Journal of Energy Sector Management, 2009, 3, 333-358.	2.3	21
47	Electricity price forecasting in deregulated markets: A review and evaluation. International Journal of Electrical Power and Energy Systems, 2009, 31, 13-22.	5.5	401
48	Day-ahead Price Forecasting in Ontario Electricity Market Using Variable-segmented Support Vector Machine-based Model. Electric Power Components and Systems, 2009, 37, 495-516.	1.8	33
49	Peak load forecasting using Bayesian regularization, Resilient and adaptive backpropagation learning based artificial neural networks. Electric Power Systems Research, 2008, 78, 1302-1310.	3.6	109
50	Price forecasting using wavelet transform and LSE based mixed model in Australian electricity market. International Journal of Energy Sector Management, 2008, 2, 521-546.	2.3	20
51	Discussion of "Application of mechanism design to electric power markets" [and closure]. IEEE Transactions on Power Systems, 2002, 17, 1290.	6.5	1
52	Artificial neural network-based peak load forecasting using conjugate gradient methods. IEEE Transactions on Power Systems, 2002, 17, 907-912.	6.5	132
53	Artificial Neural Network-Based Peak Load Forecasting Using Conjugate Gradient Methods. IEEE Power Engineering Review, 2002, 22, 59-59.	0.1	6
54	Artificial neural network based peak load forecasting using Levenbergâ€"Marquardt and quasi-Newton methods. IET Generation, Transmission and Distribution, 2002, 149, 578.	1.1	117

#	Article	IF	Citations
55	Simulation and Implementation of Single Phase Boost â€" Buck Rectifier Using SPMC Topology with Reduced Input Current THD. Applied Mechanics and Materials, 0, 592-594, 2199-2203.	0.2	0