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	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
2	Artificial neural network-based peak load forecasting using conjugate gradient methods. IEEE Transactions on Power Systems, 2002, 17, 907-912.	6.5	132
3	Performance analysis of smart metering for smart grid: An overview. Renewable and Sustainable Energy Reviews, 2015, 49, 720-735.	16.4	127
4	Artificial neural network based peak load forecasting using Levenberg–Marquardt and quasi-Newton methods. IET Generation, Transmission and Distribution, 2002, 149, 578.	1.1	117
5	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
6	Power-line communications for smart grid: Progress, challenges, opportunities and status. Renewable and Sustainable Energy Reviews, 2017, 67, 704-751.	16.4	95
7	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
8	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
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	Robust technique for the detection of Acute Lymphoblastic Leukemia. , 2015, , .		34
11	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
12	Counting and classification of white blood cell using Artificial Neural Network (ANN). , 2016, , .		33
13	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
14	Short term price forecasting in deregulated electricity markets. International Journal of Energy Sector Management, 2009, 3, 333-358.	2.3	21
15	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
16	Detection of Acute Lymphoblastic Leukemia using watershed transformation technique. , 2015, , .		16
17	Color channel based segmentation of skin lesion from clinical images for the detection of melanoma. , 2016, , .		12
18	Buck converter-based cascaded asymmetrical multilevel inverter with reduced components. International Transactions on Electrical Energy Systems, 2018, 28, e2501.	1.9	12

#	Article	IF	Citations
19	Load balancing of electrical power distribution system: An overview. , 2018, , .		12
20	Detection of Poikilocyte cells in Iron Deficiency Anaemia using Artificial Neural Network. , 2016, , .		10
21	Design of a DC-DC converter for photovoltaic solar system. , 2012, , .		9
22	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
23	IoT based Diagnosing Myocardial Infarction through Firebase Web Application. , 2019, , .		8
24	Artificial Neural Network-Based Peak Load Forecasting Using Conjugate Gradient Methods. IEEE Power Engineering Review, 2002, 22, 59-59.	0.1	6
25	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
26	Single stage single phase solar inverter with improved fault ride through capability. , 2014, , .		4
27	An algorithm for control of prosthetic foot by gait characteristics. , 2017, , .		4
28	Photovoltaicâ€based gridâ€connected transformerâ€less threeâ€phase cascaded diodeâ€clamped multilevel inverter with reduced leakage current. International Journal of Circuit Theory and Applications, 2022, 50, 2398-2422.	2.0	4
29	Land cover classification using EM algorithm based multi-polarized ALOS PALSAR image fusion. , 2013, , .		3
30	Three phase power metering using MAXQ3183. , 2017, , .		3
31	Powerline FSK communication using signal wire technique. , 2017, , .		2
32	A Review on Powerline Carrier Channels for both Overhead Lines and Underground Cables. , 2018, , .		2
33	5.13 Smart Grid Energy Management. , 2018, , 474-536.		2
34	Cascaded diode clamped inverter based gridâ€connected photovoltaic energy conversion system with enhanced power handling capability and efficiency. IET Renewable Power Generation, 2021, 15, 600-613.	3.1	2
35	Discussion of "Application of mechanism design to electric power markets" [and closure]. IEEE Transactions on Power Systems, 2002, 17, 1290.	6.5	1
36	A study of PDF based approach to classify full polarimetric radar data. , 2015, , .		1

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37	Design and implementation of a low cost device to extract finger Plethysmogram. , 2016, , .		1
38	CPLD based FSK modem for narrowband power line communication. , 2016, , .		1
39	ROI based detection of abnormalities in lungs using medical image processing. , 2017, , .		1
40	Low Power and Low Noise Instrumentation Amplifier. , 2018, , .		1
41	Effect of Screen Segmentation on Target Distractor Discrimination Task: an ERP Study. , 2020, , .		1
42	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
43	Simulation and Implementation of Single Phase Boost – Buck Rectifier Using SPMC Topology with Reduced Input Current THD. Applied Mechanics and Materials, 0, 592-594, 2199-2203.	0.2	0
44	A comparative analysis of supervised land cover classification using multi-polarized PALSAR EM image fusion. , 2014, , .		0
45	A voltage and state of charge control technique for battery-supercapacitor hybrid energy storage system for standalone photovoltaic application. , 2015, , .		0
46	Small signal analysis of dual inductor current-fed bidirectional converter for fuel cell vehicle. , 2015, , .		0
47	Maximum power point tracking using integrated neuro fuzzy algorithm in PV system with full bridge ZVS converter for battery charger applications. , 2015, , .		0
48	A reliable single stage single phase hybrid solar inverter with anti-islanding protection. , 2015, , .		0
49	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
50	Non-invasive wireless EEG monitor. , 2017, , .		0
51	Automatic Load Balancing of Power Distribution System Using MAXQ3183 Meter and Powerline Communication. , 2018, , .		0
52	Performance Comparison of ST7580 Power Line Communication with Signal Wire Technique. , 2018, , .		0
53	DC to DC converter based Asymmetrical multilevel inverter with reduced number of components. , 2019, , .		0
54	FinFET based 2-4 and 4-16 mixed line decoder for low power and high speed application. AIP Conference Proceedings, 2020, , .	0.4	0

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55	Critical analysis of classification techniques for polarimetric synthetic aperture radar data. International Journal of Advances in Intelligent Informatics, 2016, 2, 7.	1.2	0