

sreedhar Madichetty

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.

170
papers

1,910
citations

23
h-index

38
g-index

213
ext. papers

2,756
ext. citations

3.9
avg, IF

6.11
L-index

#	Paper	IF	Citations
170	An Aggregated Energy Management Methodology for Air Conditioning System With DAB Converter. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2022 , 3, 124-132	2.6	1
169	Bidirectional Power Sharing of Modular DABs to Improve Voltage Stability in DC Microgrids. <i>IEEE Transactions on Industry Applications</i> , 2022 , 1-1	4.3	3
168	Estimating State of Charge for xEV Batteries Using 1D Convolutional Neural Networks and Transfer Learning. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 3123-3135	6.8	11
167	New trends in electric motors and selection for electric vehicle propulsion systems. <i>IET Electrical Systems in Transportation</i> , 2021 , 11, 186-199	2.1	3
166	A DC Droop-Based Optimal Dispatch Control and Power Management of Hybrid Photovoltaic-Battery and Diesel Generator Standalone AC/DC System. <i>IEEE Systems Journal</i> , 2021 , 15, 3012-3023	4.3	1
165	Steady Output and Fast Tracking MPPT (SOFT-MPPT) for P&O and InC Algorithms. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 293-302	8.2	40
164	A Three-Sample-Based PLL-Less Hysteresis Current Control and Stability Analysis of a Single-Phase Active Distribution System. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 7045-7060	8.9	4
163	Return Ratio Shaping Approach to Stabilize Inverter-Weak Grid System. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 253-263	5.4	6
162	An experimental study on spectroscopic analysis of alternating liquid dielectrics for transformer. <i>Electrical Engineering</i> , 2021 , 103, 921-929	1.5	4
161	Real-Time Coordinated Control of Low-Voltage DC Distribution Network With Soft Opening Point. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 7123-7137	7.2	2
160	Performance Enhancement of PVDGBS Distributed Generation System in Islanded Mode. <i>Journal of the Institution of Engineers (India): Series B</i> , 2021 , 102, 311-321	0.9	0
159	A Dynamic Model of Impedance for Online Thevenin Equivalent Estimation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	2
158	Enhanced Power Quality PV-Inverter with Leakage Current Suppression for Three-Phase SECS. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
157	Harmonic Voltage Control in Distributed Generation Systems Using Optimal Switching Vector Strategy. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	
156	Cyber Attack Detection and Correction Mechanisms in a Distributed DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	2
155	Development of a Smart Energy Community by Coupling Neighbouring Community Microgrids for Enhanced Power Sharing Using Customised Droop Control. <i>Energies</i> , 2021 , 14, 5383	3.1	1
154	. <i>IEEE Power Electronics Magazine</i> , 2021 , 8, 48-54	1.5	1

153	The black-start capability improvement of VSC-based HVDC transmission system using fuzzy-adaptive PI controller. <i>International Journal of Ambient Energy</i> , 2020 , 1-9	2	1
152	A Robust H_{∞} Multivariable Stabilizer Design for Droop Based Autonomous AC Microgrid. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 4369-4382	7	7
151	SEPIC-MISO Converter Based PV Water Pumping System- An Improved Performance Under Mismatching Conditions 2020 ,		3
150	Fast terminal sliding mode control for improved transient state power sharing between parallel VSCs in an autonomous microgrid under different loading conditions. <i>IET Renewable Power Generation</i> , 2020 , 14, 1063-1073	2.9	1
149	On Detection of False Data in Cooperative DC Microgrids A Discordant Element Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 6562-6571	8.9	56
148	Distributed Tie-Line Power Flow Control of Autonomous DC Microgrid Clusters. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 11250-11266	7.2	17
147	POWER SYSTEM AND POWER PLANT CONTROL 2020 , 227-380		0
146	Fully distributed hierarchical control strategy for multi-inverter-based AC microgrids. <i>IET Renewable Power Generation</i> , 2020 , 14, 2468-2476	2.9	1
145	Dynamic power flow based simplified transfer function model to study instability of low-frequency modes in inverter-based microgrids. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 5634-5645	2.5	1
144	Virtual inertia provision through data centre and electric vehicle for ancillary services support in microgrid. <i>IET Renewable Power Generation</i> , 2020 , 14, 3792-3801	2.9	3
143	Fuzzy reinforcement learning based intelligent classifier for power transformer faults. <i>ISA Transactions</i> , 2020 , 101, 390-398	5.5	23
142	Distributed Screening of Hijacking Attacks in DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 7574-7582	7.2	25
141	Self-Synchronizing VSM With Seamless Operation During Unintentional Islanding Events. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 5680-5690	11.9	3
140	Investigation of Performance of Electric Load Power Forecasting in Multiple Time Horizons With New Architecture Realized in Multivariate Linear Regression and Feed-Forward Neural Network Techniques. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 5603-5612	4.3	7
139	Independent control of active and reactive power for grid connected DFIG using reference power based improved field-oriented control scheme. <i>International Journal of Ambient Energy</i> , 2020 , 1-14	2	0
138	Multifunctional Control for PV-Integrated Battery Energy Storage System With Improved Power Quality. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 6835-6845	4.3	8
137	Standalone Single Stage PV-Fed Reduced Switch Inverter Based PMSM for Water Pumping Application. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 6526-6535	4.3	8
136	A Cooperative Adaptive Droop Based Energy Management and Optimal Voltage Regulation Scheme for DC Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2894-2904	8.9	37

135	Multi Priority-Queuing algorithm for Real Time Charge Scheduling of Electric Vehicles on Highways based on Time allotment 2020 ,		1
134	Non-linear disturbance observer-based improved frequency and tie-line power control of modern interconnected power systems. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 3564-3573	2.5	8
133	A Distributed Fixed-Time Secondary Controller for DC Microgrid Clusters. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 1997-2007	5.4	19
132	Second-order sequence filter based control algorithm for single-phase grid interfaced solar PV system. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 2382-2390	2.5	2
131	A standalone BLDC based solar air cooler with MPP tracking for improved efficiency. <i>CSEE Journal of Power and Energy Systems</i> , 2019 ,	2.3	2
130	A Multilevel Distributed Hybrid Control Scheme for Islanded DC Microgrids. <i>IEEE Systems Journal</i> , 2019 , 13, 4200-4207	4.3	14
129	Harmonic elimination using SW based HSAPF system and evaluation of compensation effect employing ADALINE-DFRSL algorithm. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , 2019 , 29, 64-81	0.4	1
128	Day-Ahead Scheduling of Electric Vehicles for Overloading Management in Active Distribution System via Web-Based Application. <i>IEEE Systems Journal</i> , 2019 , 13, 3422-3432	4.3	10
127	Application of modified sine cosine algorithm to optimally design PID/fuzzy-PID controllers to deal with AGC issues in deregulated power system. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 2474-2487	2.5	34
126	A Multi-Level Control and Optimization Scheme for Islanded PV Based Microgrid: A Control Framework. <i>IEEE Journal of Photovoltaics</i> , 2019 , 9, 822-831	3.7	9
125	MVDC Microgrid Protection Using a Centralized Communication With a Localized Backup Scheme of Adaptive Parameters. <i>IEEE Transactions on Power Delivery</i> , 2019 , 34, 869-878	4.3	21
124	Flexible Control for PV Integrated Battery Energy Storage System 2019 ,		1
123	Auxiliary signal-assisted droop-based secondary frequency control of inverter-based PV microgrids for improvement in power sharing and system stability. <i>IET Renewable Power Generation</i> , 2019 , 13, 2328-2337	2.9	5
122	A Stealth Cyber-Attack Detection Strategy for DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8162-8174	7.2	87
121	. <i>IEEE Journal of Photovoltaics</i> , 2019 , 9, 278-286	3.7	29
120	Optimal operation of PV-DG-battery based microgrid with power quality conditioner. <i>IET Renewable Power Generation</i> , 2019 , 13, 418-426	2.9	13
119	. <i>IEEE Systems Journal</i> , 2019 , 13, 3194-3202	4.3	6
118	Global Peak Tracking of Photovoltaic Array Under Mismatching Conditions Using Current Control. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 313-320	5.4	9

117	A Distributed Finite-Time Secondary Average Voltage Regulation and Current Sharing Controller for DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 282-292	10.7	81
116	Coordinated Voltage Control of a Grid Connected Ring DC Microgrid With Energy Hub. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1939-1948	10.7	20
115	High voltage repetitive pulsed power generator by using modular multilevel converter. <i>International Journal of Ambient Energy</i> , 2019 , 40, 427-433	2	2
114	Design of Multi-Machine Power System Stabilizers with Forecast Uncertainties in Load/Generation. <i>IETE Journal of Research</i> , 2019 , 65, 44-57	0.9	4
113	Application of bacteria foraging algorithm for modular multilevel converter-based microgrid with effect of wind power. <i>Electrical Engineering</i> , 2018 , 100, 2023-2036	1.5	5
112	CMPVI-Based MIDO Scheme Under SSE for Optimum Energy Balance and Reduced ROI. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 1318-1327	8.2	4
111	Design and Tuning of Robust Fractional Order Controller for Autonomous Microgrid VSC System. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 91-101	4.3	37
110	Event-Triggered Communication Based Distributed Control Scheme for DC Microgrid. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 5583-5593	7	46
109	Power Quality Improvement of Grid-Connected DC Microgrids Using Repetitive Learning-Based PLL Under Abnormal Grid Conditions. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 82-90	4.3	36
108	Fuzzy logic gain-tuned adaptive second-order GI-based multi-objective control for reliable operation of grid-interfaced photovoltaic system. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 1153-1163	2.5	10
107	Single-Phase Single-Stage Grid Tied Solar PV System with Active Power Filtering Using Power Balance Theory. <i>Journal of the Institution of Engineers (India): Series B</i> , 2018 , 99, 301-311	0.9	1
106	Application of GEP to investigate the imbalance faults in direct-drive wind turbine using generator current signals. <i>IET Renewable Power Generation</i> , 2018 , 12, 279-291	2.9	15
105	Application of superconducting magnetic energy storage in electrical power and energy systems: a review. <i>International Journal of Energy Research</i> , 2018 , 42, 358-368	4.5	33
104	A Multi-Objective Adaptive Control Framework in Autonomous DC Microgrid. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 4918-4929	10.7	12
103	An Adaptive Event-Triggered Communication-Based Distributed Secondary Control for DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 6674-6683	10.7	67
102	Dynamic Power Management and Control of a PV PEM Fuel-Cell-Based Standalone ac/dc Microgrid Using Hybrid Energy Storage. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 526-538	4.3	96
101	A linear quadratic regulator for small signal stability improvement of grid connected PMSG 2018 ,		2
100	A Novel PV Inverter Control for Maximization of Wind Power Penetration. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 6364-6373	4.3	6

99	Low-voltage DC ring-bus microgrid protection with rolling mean technique 2018,		2
98	Energy Management of Electric Vehicle Integrated Home in a Time-of-Day Regime. <i>IEEE Transactions on Transportation Electrification</i> , 2018 , 4, 804-816	7.6	16
97	A double derivative based droop controller for improved power sharing in inverter based autonomous microgrid 2018,		2
96	A consensus based solution to the classic economic dispatch problem on a multi-agent system framework 2018,		1
95	A single phase double stage grid interfaced photovoltaic system based on improved least mean square algorithm 2018,		2
94	Real and reactive power control of solar grid-tie inverter under distorted grid conditions 2018,		3
93	Power management and economic load dispatch based control of hybrid PV-battery-diesel standalone AC system 2018,		1
92	Intelligent control scheme for SPV-wind-BESS based microgrid 2018,		1
91	VSC control of grid connected PV for maintaining power supply during open phase condition in distribution network 2018,		1
90	Decentralized power management and load sharing for parallel operation of diesel generator and PV-battery based autonomous AC microgrid 2018,		3
89	Partially Decoupled Adaptive Filter Based Multifunctional Three-Phase GPV System. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 311-320	8.2	12
88	Demand Side Contributions for System Inertia in the GB Power System. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 3521-3530	7	37
87	A Multifunctional GPV System Using Adaptive Observer Based Harmonic Cancellation Technique. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 1347-1357	8.9	22
86	Hybrid Islanding Detection Method based on ROCOF over Reactive Power and d-Axis Current Injection 2018,		4
85	Autonomous Battery Storage Energy System Control of PV-Wind Based DC Microgrid 2018,		2
84	Design and Modeling of High gain DC-DC Converter in Mixed Signal Domain Control for PV based Microgrid Application 2018,		1
83	Control Topology of Hybrid Energy Storage System for AC-DC Microgrid 2018,		1
82	Nonlinear Disturbance Observer Based Control of Three Phase Grid Forming Inverter for Distributed Generation System 2018,		1

81	Investigation of Weather Influence in Day-Ahead Hourly Electric Load Power Forecasting with New Architecture Realized in Multivariate Linear Regression & Artificial Neural Network Techniques 2018,			2
80	A Normalized Adaptive Filter for Enhanced Optimal Operation of Grid Interfaced PV System 2018,			1
79	Grid Interactive MISO Converter Based PV System 2018,			1
78	Power Quality Improvement in Single Phase Solar PV-APF Grid Tied System Using Robust Least-Mixed-Norm (RLMN) Algorithm 2018,			1
77	Cascaded Fractional Order and Sliding Mode Control for an Autonomous Voltage Source Inverter 2018,			1
76	Maintaining Security and Privacy in Health Care System Using Learning Based Deep-Q-Networks. <i>Journal of Medical Systems, 2018, 42, 186</i>	5.1		121
75	Implementation of grid interfaced photovoltaic system with active power filter capabilities. <i>International Transactions on Electrical Energy Systems, 2018, 28, e2616</i>	2.2		12
74	Power system frequency stabiliser for modern power systems. <i>IET Generation, Transmission and Distribution, 2018, 12, 1961-1969</i>	2.5		4
73	Pattern search algorithm based automatic online parameter estimation for AGC with effects of wind power. <i>International Journal of Electrical Power and Energy Systems, 2017, 84, 135-142</i>	5.1		19
72	Adaptive neuron detection-based control of single-phase SPV grid integrated system with active filtering. <i>IET Power Electronics, 2017, 10, 657-666</i>	2.2		9
71	Power quality improvement in single phase grid tied solar PV-APF based system using improved LTI-EPLL based control algorithm 2017,			2
70	Single-phase grid interactive solar PV system having active shunt capabilities 2017,			1
69	Coordinated single-phase control scheme for voltage unbalance reduction in low voltage network. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375,</i>	3		2
68	Analysis of Hopf bifurcation with forecast uncertainties in load/generation. <i>IET Generation, Transmission and Distribution, 2017, 11, 1531-1538</i>	2.5		4
67	A synchronous generator based diesel-PV hybrid micro-grid with power quality controller 2017,			2
66	Voltage regulation of residential DC distribution feeder using coordinated battery energy storage units 2017,			2
65	Selection of Most Relevant Input Parameters Using Principle Component Analysis for Extreme Learning Machine Based Power Transformer Fault Diagnosis Model. <i>Electric Power Components and Systems, 2017, 45, 1339-1352</i>	1		11
64	Single-phase solar grid-interfaced system with active filtering using adaptive linear combiner filter-based control scheme. <i>IET Generation, Transmission and Distribution, 2017, 11, 1976-1984</i>	2.5		9

63	Decoupled controller for single-phase grid connected rooftop PV systems to improve voltage profile in residential distribution systems. <i>IET Renewable Power Generation</i> , 2017 , 11, 370-377	2.9	11
62	Circulating current mitigating scheme in MMC based HVDC system with H _∞ repetitive controllers. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 85, 143-152	5.1	10
61	Neural Network based Control of SG based Standalone Generating System with Energy Storage for Power Quality Enhancement. <i>Journal of the Institution of Engineers (India): Series B</i> , 2017 , 98, 405-413	0.9	3
60	Handshaking V2G strategy for grid connected PV assisted charging station. <i>IET Renewable Power Generation</i> , 2017 , 11, 1410-1417	2.9	6
59	RLMMN adaptive filtering based control scheme for multi-objective GPV system 2017 ,		1
58	A high voltage gain non-isolated modified three-port DC/DC converter based on integrated Boost-Cuk topology 2017 ,		5
57	An adaptive droop based cooperative control framework in DC microgrids 2017 ,		1
56	Modelling a droop controlled multi PV inverter system to study effects of system parameters on oscillatory modes 2017 ,		1
55	PV energy benefit estimation formulation for PV water pumping system 2017 ,		3
54	Application of modular multilevel converter for AGC in an interconnected power system. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 74, 293-300	5.1	11
53	Single-phase synchronverter for a grid-connected roof top photovoltaic system. <i>IET Renewable Power Generation</i> , 2016 , 10, 1187-1194	2.9	37
52	Investigation of voltage template based control of a grid connected DC microgrid under different grid conditions 2016 ,		4
51	A novel PV inverter control for maximization of wind power penetration 2016 ,		1
50	Real time implementation of sign-sign lms algorithm in single phase SPV grid integrated system 2016 ,		2
49	Modified MISO DC-DC converter based PV water pumping system 2016 ,		6
48	Application of fuzzy Q learning (FQL) technique to wind turbine imbalance fault identification using generator current signals 2016 ,		3
47	A consensus priority algorithm based V2G charging framework for frequency response 2016 ,		2
46	Cost benefit of using deloaded PV instead of battery 2016 ,		1

45	Maximizing the Power Generation of a Partially Shaded PV Array. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016 , 4, 626-637	5.6	103
44	Application of an Advanced Repetitive Controller to Mitigate Harmonics in MMC With APOD Scheme. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 6112-6121	7.2	28
43	Modelling of wind energy-based microgrid system implementing MMC. <i>International Journal of Energy Research</i> , 2016 , 40, 952-962	4.5	9
42	Real time implementation of EPLL with generalized filtering in single phase grid interfaced SPV system 2016 ,		4
41	Multi-input single-output DC-DC converter based PV water pumping system 2016 ,		7
40	An efficient multi objective optimization approach for robust tuning of power system stabilizers 2016 ,		1
39	Micro-grid operation and control of Photo-Voltaic power with canal based small hydro power plant 2016 ,		1
38	Coordinated control of a grid connected DC micro-grid with multiple renewable sources 2016 ,		1
37	A survey on wind energy, load and price forecasting: (Forecasting methods) 2016 ,		6
36	Convolution integral based multivariable grey prediction model for solar energy generation forecasting 2016 ,		2
35	A decentralized adaptive droop based power management scheme in autonomous DC microgrid 2016 ,		3
34	Gas assisted doubly fed induction generator with ramp rate controller. <i>IET Renewable Power Generation</i> , 2016 , 10, 955-963	2.9	
33	A New Control Algorithm for Power Quality Improvement in a Stand-alone Synchronous Reluctance Generator with Energy Storage. <i>Electric Power Components and Systems</i> , 2016 , 44, 2198-2211	1	1
32	Dynamic power management of PV based islanded microgrid using hybrid energy storage 2016 ,		8
31	Efficient power sharing approach for photovoltaic generation based microgrids. <i>IET Renewable Power Generation</i> , 2016 , 10, 973-987	2.9	18
30	A new technique in hydro thermal interconnected automatic generation control system by using minority charge carrier inspired algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 68, 259-268	5.1	35
29	Data analytics based neuro-fuzzy controller for diesel-photovoltaic hybrid AC microgrid. <i>IET Generation, Transmission and Distribution</i> , 2015 , 9, 193-207	2.5	20
28	A simplified configuration and implementation of a standalone microgrid 2015 ,		3

27	Performance analysis of automatic generation control of interconnected power systems with delayed mode operation of area control error. <i>Journal of Engineering</i> , 2015 , 2015, 164-173	0.7	3
26	Notice of Removal: A review on circulating current suppression control, capacitor voltage balancing and fault analysis of modular multilevel converters 2015 ,		4
25	Hybrid MVMO based controller for energy management in a grid connected DC microgrid 2015 ,		7
24	A comparative analysis of circulating current controllers for modular multilevel converters 2015 ,		3
23	Harmonic mitigation scheme for a high-frequency link inverter – a practical approach. <i>HKIE Transactions</i> , 2015 , 22, 57-66	2.9	3
22	Control of single-stage grid-connected three-phase solar photovoltaic system using sliding mode control 2015 ,		1
21	High frequency link soft switched pulse shifted modulated front end 3 level diode clamped inverter using APSO 2014 ,		1
20	ZVCS based high frequency link grid connected SVPWM applied three phase three level diode clamped inverter for photovoltaic applications 2014 ,		3
19	Design and operation for a standalone DG-SPV-BES microgrid system 2014 ,		1
18	Application of gene expression programming (GEP) in power transformers fault diagnosis using DGA 2014 ,		1
17	Fault identification of power transformers using Proximal Support Vector Machine (PSVM) 2014 ,		4
16	Feature selection using RapidMiner and classification through probabilistic neural network for fault diagnostics of power transformer 2014 ,		11
15	Takagi–Sugeno fuzzy-based incremental conductance algorithm for maximum power point tracking of a photovoltaic generating system. <i>IET Renewable Power Generation</i> , 2014 , 8, 900-914	2.9	36
14	A New Harmonic Mitigation Scheme for MMC – An Experimental Approach. <i>International Journal of Emerging Electric Power Systems</i> , 2014 , 15, 299-311	1.4	2
13	Voltage Balancing Scheme in MMC – A New Approach. <i>International Journal of Emerging Electric Power Systems</i> , 2014 , 15, 389-399	1.4	2
12	New harmonic mitigation scheme for modular multilevel converter – an experimental approach. <i>IET Power Electronics</i> , 2014 , 7, 3090-3100	2.2	19
11	Selective harmonic elimination: Comparative analysis by different optimization methods 2014 ,		4
10	Performance evaluation of an isolated system using PMSG based DG set, SPV array and BESS 2014 ,		5

9	Modular Multilevel Converters Part-I: A Review on Topologies, Modulation, Modeling and Control Schemes. <i>International Journal of Power Electronics and Drive Systems</i> , 2014 , 4,	1.5	3
8	A Survey and experimental verification of Modular Multilevel Converters. <i>International Journal of Power Electronics and Drive Systems</i> , 2014 , 4,	1.5	2
7	A Review and Advance Technology in Multi-Area Automatic Generation Control by Using Minority Charge Carrier Inspired Algorithm. <i>International Journal of Emerging Electric Power Systems</i> , 2013 , 14, 609-627	1.4	3
6	A Review of Optimized Heating Performance of Induction Cookers. <i>International Journal of Power System Operation and Energy Management</i> , 2013 , 1-3		
5	Experimental verification of Minority Charge Carrier Inspired Algorithm applied to voltage source inverter 2012 ,		3
4	Application of Accelerated Particle Swarm Optimization to multi level diode clamped inverter 2012 ,		4
3	Optimized solutions for an optimization technique based on minority charge carrier inspired algorithm applied to selective harmonic elimination in induction motor drive 2012 ,		8
2	Empirical mode decomposition based probabilistic neural network for faults classification 2011 ,		5
1	Neural-network-based adaptive UPFC for improving transient stability performance of power system. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 461-70		58