

# Mahajan Sagar Bahskar

## 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.

189  
papers

2,313  
citations

24  
h-index

40  
g-index

238  
ext. papers

3,785  
ext. citations

3.2  
avg, IF

6.01  
L-index

#	Paper	IF	Citations
189	. <i>IEEE Access</i> , <b>2022</b> , 10, 12742-12752	3.5	
188	Critical Review of Data, Models and Performance Metrics for Wind and Solar Power Forecast. <i>IEEE Access</i> , <b>2022</b> , 10, 667-688	3.5	4
187	COVID-19 Detection Based on Lung Ct Scan Using Deep Learning Techniques.. <i>Computational and Mathematical Methods in Medicine</i> , <b>2022</b> , 2022, 7672196	2.8	13
186	Double-switch switched-inductor converter with minimal switch voltage stress for renewable energy conversion. <i>Computers and Electrical Engineering</i> , <b>2022</b> , 98, 107682	4.3	0
185	A Practical Approach for Predicting Power in a Small-Scale Off-Grid Photovoltaic System using Machine Learning Algorithms. <i>International Journal of Photoenergy</i> , <b>2022</b> , 2022, 1-21	2.1	5
184	Design of Boosted Multilevel DC-DC Converter for Solar Photovoltaic System. <i>International Journal of Photoenergy</i> , <b>2022</b> , 2022, 1-23	2.1	2
183	FieldOriented Control of Five-Phase Induction Motor fed from Space Vector Modulated Matrix Converter. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	2
182	An Internet of Things-Inspired Dual-Level Boost Converter for BLDC-Driven Photovoltaic Water Pumping Applications. <i>Energry Systems in Electrical Engineering</i> , <b>2022</b> , 371-381	0.3	
181	An efficient, robust optimization model for the unit commitment considering renewable uncertainty and pumped-storage hydropower. <i>Computers and Electrical Engineering</i> , <b>2022</b> , 100, 107846	4.3	4
180	Efficient Multi-Phase Converter for E-Mobility. <i>World Electric Vehicle Journal</i> , <b>2022</b> , 13, 67	2.5	0
179	Performance Evaluation of Solar-PV-Based Non-Isolated Switched-Inductor and Switched-Capacitor High-Step-Up Cuk Converter. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 1381	2.6	1
178	An Energy-Efficient Start-Up Strategy for Large Variable Speed Hydro Pump Turbine Equipped with Doubly Fed Asynchronous Machine. <i>Energies</i> , <b>2022</b> , 15, 3138	3.1	0
177	A Multilevel Inverter Topology Using Diode Half-Bridge Circuit with Reduced Power Component. <i>Energies</i> , <b>2021</b> , 14, 7249	3.1	4
176	Bi-Furcated Stator Winding Configuration in Three-Phase Induction Generators for Wind Power Generation. <i>IEEE Access</i> , <b>2021</b> , 9, 153188-153198	3.5	0
175	The state-of-the-art of power electronics converters configurations in electric vehicle technologies <b>2021</b> , 1, 100001		7
174	A Comprehensive Review on Sustainable Aspects of Big Data Analytics for Smart Grid. <i>Sustainability</i> , <b>2021</b> , 13, 13322	3.6	5
173	A Demand Side Management Controller Configuration for Interleaved DC-DC Converters Applicable for Renewable Energy Sources <b>2021</b> , 493-516		

172	Stability assessment and performance analysis of new controller for power quality conditioning in microgrids. <i>International Transactions on Electrical Energy Systems</i> , <b>2021</b> , 31, e12891	2.2	3
171	A Novel Deep Learning Based Model for Tropical Intensity Estimation and Post-Disaster Management of Hurricanes. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4129	2.6	3
170	A Review on Effective Use of Daylight Harvesting Using Intelligent Lighting Control Systems for Sustainable Office Buildings in India. <i>Sustainability</i> , <b>2021</b> , 13, 4973	3.6	6
169	Novel Multi-Time Scale Deep Learning Algorithm for Solar Irradiance Forecasting. <i>Energies</i> , <b>2021</b> , 14, 2404	3.1	13
168	Layout optimisation algorithms and reliability assessment of wind farm for microgrid integration: A comprehensive review. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 2063-2084	2.9	2
167	Modelling, analysis, and implementation of a switched-inductor based DC/DC converter with reduced switch current stress. <i>IET Power Electronics</i> , <b>2021</b> , 14, 1504-1514	2.2	1
166	Diagnosis of Cervical Cancer based on Ensemble Deep Learning Network using Colposcopy Images. <i>BioMed Research International</i> , <b>2021</b> , 2021, 5584004	3	25
165	Influence of Geometrical Changes in an Adiabatic Portion on the Heat Transfer Performance of a Two-Phase Closed Thermosiphon System. <i>Energies</i> , <b>2021</b> , 14, 3070	3.1	1
164	Spider Community Optimization Algorithm to Determine UPFC Optimal Size and Location for Improve Dynamic Stability <b>2021</b> ,		4
163	Intelligent optimization for charging scheduling of electric vehicle using exponential Harris Hawks technique. <i>International Journal of Intelligent Systems</i> , <b>2021</b> , 36, 5816-5844	8.4	3
162	Cybernetics approaches in intelligent systems for crops disease detection with the aid of IoT. <i>International Journal of Intelligent Systems</i> , <b>2021</b> , 36, 6550-6580	8.4	1
161	A Hybrid Multilevel Inverter Scheme for Nine-Phase PPMIM Drive by Using Three-Phase Five-Leg Inverters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 1895-1904	8.9	6
160	A Novel Modified Switched Inductor Boost Converter With Reduced Switch Voltage Stress. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 1275-1289	8.9	28
159	High Gain Switched-Inductor-Double-Leg Converter With Wide Duty Range for DC Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 9561-9573	8.9	7
158	Improved Perturb and Observation Maximum Power Point Tracking Technique for Solar Photovoltaic Power Generation Systems. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 3024-3035	4.3	23
157	Performance assessment of free standing and building integrated grid connected photovoltaic system for southern part of India. <i>Building Services Engineering Research and Technology</i> , <b>2021</b> , 42, 237-248	2.3	11
156	Trinary Hybrid Cascaded H-Bridge Multilevel Inverter-Based Grid-Connected Solar Power Transfer System Supporting Critical Load. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 4116-4125	4.3	2
155	Small-Signal Stability Analysis for Microgrids Under Uncertainty Using MALANN Control Technique. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 3797-3807	4.3	1

154	Triple-Switch DC-to-DC Converter for High-Voltage Boost Application. <i>Revista. Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 197-204	0.2	
153	. <i>IEEE Access</i> , <b>2021</b> , 9, 44888-44904	3.5	1
152	Design and Implementation of Seventeen Level Inverter With Reduced Components. <i>IEEE Access</i> , <b>2021</b> , 9, 16746-16760	3.5	21
151	Robust Queen Bee Assisted Genetic Algorithm (QBGA) Optimized Fractional Order PID (FOPID) Controller for Not Necessarily Minimum Phase Power Converters. <i>IEEE Access</i> , <b>2021</b> , 9, 93331-93337	3.5	2
150	Transformer-less Boost Converter with Reduced Voltage Stress for High Voltage Step-Up Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	6
149	. <i>IEEE Access</i> , <b>2021</b> , 9, 88069-88084	3.5	2
148	Performance Enhancement of PV System Configurations Under Partial Shading Conditions Using MS Method. <i>IEEE Access</i> , <b>2021</b> , 9, 56630-56644	3.5	9
147	Analysis of Fractional Order Sliding Mode Control in a D-STATCOM Integrated Power Distribution System. <i>IEEE Access</i> , <b>2021</b> , 9, 70337-70352	3.5	4
146	Real-Time Implementation of Extended Kalman Filter Observer With Improved Speed Estimation for Sensorless Control. <i>IEEE Access</i> , <b>2021</b> , 9, 50452-50465	3.5	6
145	Non-Isolated DCDC Power Converter With High Gain and Inverting Capability. <i>IEEE Access</i> , <b>2021</b> , 9, 62084-62094	3.5	2
144	Assessing Finite Control Set Model Predictive Speed Controlled PMSM Performance for Deployment in Electric Vehicles. <i>World Electric Vehicle Journal</i> , <b>2021</b> , 12, 41	2.5	1
143	A Review on Numerical Approach to Achieve Building Energy Efficiency for Energy, Economy and Environment (3E) Benefit. <i>Energies</i> , <b>2021</b> , 14, 4487	3.1	6
142	Comprehensive review of single stage switched boost inverter structures. <i>IET Power Electronics</i> , <b>2021</b> , 14, 2031-2051	2.2	1
141	Switched Capacitor-Based 13L Inverter Topology for High-Frequency AC Power Distribution System. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 5883-5894	5.6	6
140	Double stage converter with low current stress for low to high voltage conversion in nanogrid. <i>Energy Reports</i> , <b>2021</b> , 7, 5710-5721	4.6	2
139	. <i>IEEE Access</i> , <b>2021</b> , 9, 73433-73452	3.5	6
138	A New Hybrid Zeta-Boost Converter With Active Quad Switched Inductor for High Voltage Gain. <i>IEEE Access</i> , <b>2021</b> , 9, 20022-20034	3.5	2
137	A Novel Hybrid Feature Selection Method for Day-Ahead Electricity Price Forecasting. <i>Energies</i> , <b>2021</b> , 14, 8455	3.1	2

136	An outlook on endangering grid security in India due to implementation challenges of low voltage ride through protection in wind turbines. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 30, e12672	2.2	0
135	A New Approach to Optimal Location and Sizing of DSTATCOM in Radial Distribution Networks Using Bio-Inspired Cuckoo Search Algorithm. <i>Energies</i> , <b>2020</b> , 13, 4615	3.1	17
134	Leakage current repression and real-time spectrum analysis with chirp Z-transform for a novel high-efficiency PV-based inverter applicable in micro-grids. <i>Electrical Engineering</i> , <b>2020</b> , 102, 2041-2057	1.5	2
133	Investigation of the Thermal Loading and Random Vibration Influences on Fatigue Life of the Solder Joints for a Metal-Oxide-Semiconductor-Field-Effect Transistor in a DC-DC Power Boost Converter. <i>IEEE Access</i> , <b>2020</b> , 8, 64011-64019	3.5	2
132	Analysis and Investigation of Hybrid DCDC Non-Isolated and Non-Inverting Nx Interleaved Multilevel Boost Converter (Nx-IMBC) for High Voltage Step-Up Applications: Hardware Implementation. <i>IEEE Access</i> , <b>2020</b> , 8, 87309-87328	3.5	16
131	Implementation of Designed PV Integrated Controlled Converter System. <i>IEEE Access</i> , <b>2020</b> , 8, 100905-100915	3.5	0
130	Interleaved Multilevel Boost Converter With Minimal Voltage Multiplier Components for High-Voltage Step-Up Applications. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 12816-12833	7.2	22
129	Non-Isolated High-Gain Triple Port DCDC Buck-Boost Converter With Positive Output Voltage for Photovoltaic Applications. <i>IEEE Access</i> , <b>2020</b> , 8, 113649-113666	3.5	34
128	EPAW: Efficient Privacy Preserving Anonymous Mutual Authentication Scheme for Wireless Body Area Networks (WBANs). <i>IEEE Access</i> , <b>2020</b> , 8, 48576-48586	3.5	23
127	Evaluation of Mathematical Model to Characterize the Performance of Conventional and Hybrid PV Array Topologies under Static and Dynamic Shading Patterns. <i>Energies</i> , <b>2020</b> , 13, 3216	3.1	40
126	Combined Harmonic Reduction and DC Voltage Regulation of A Single DC Source Five-Level Multilevel Inverter for Wind Electric System. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 979	2.6	4
125	Binary Hybrid Multilevel Inverter-Based Grid Integrated Solar Energy Conversion System With Damped SOGI Control. <i>IEEE Access</i> , <b>2020</b> , 8, 37214-37228	3.5	15
124	A Hybrid PV-Battery System for ON-Grid and OFF-Grid Applications Controller-In-Loop Simulation Validation. <i>Energies</i> , <b>2020</b> , 13, 755	3.1	22
123	Experimental Investigations Conducted for the Characteristic Study of OM29 Phase Change Material and Its Incorporation in Photovoltaic Panel. <i>Energies</i> , <b>2020</b> , 13, 897	3.1	12
122	Influence of a Proposed Switching Method on Reliability and Total Harmonic Distortion of the Quasi Z-Source Inverters. <i>IEEE Access</i> , <b>2020</b> , 8, 33088-33100	3.5	6
121	A State-of-the-Art Review on Conducted Electromagnetic Interference in Non-Isolated DC to DC Converters. <i>IEEE Access</i> , <b>2020</b> , 8, 2564-2577	3.5	9
120	An Original Hybrid Multilevel DC-AC Converter Using Single-Double Source Unit for Medium Voltage Applications: Hardware Implementation and Investigation. <i>IEEE Access</i> , <b>2020</b> , 8, 71291-71301	3.5	7
119	A High Gain DC-DC Converter with Grey Wolf Optimizer Based MPPT Algorithm for PV Fed BLDC Motor Drive. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2797	2.6	14

118	Infrared Thermography Based Defects Testing of Solar Photovoltaic Panel with Fuzzy Rule-Based Evaluation. <i>Energies</i> , <b>2020</b> , 13, 1343	3.1	14
117	Corrections to "An Improved Harmonics Mitigation Scheme for a Modular Multilevel Converter" [2019 147244-147255]. <i>IEEE Access</i> , <b>2020</b> , 8, 65351-65351	3.5	
116	Energy Cost Optimization of Hybrid Renewables Based V2G Microgrid Considering Multi Objective Function by Using Artificial Bee Colony Optimization. <i>IEEE Access</i> , <b>2020</b> , 8, 62076-62093	3.5	24
115	Identification of Water Hammering for Centrifugal Pump Drive Systems. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2683	2.6	8
114	Trusted Simulation Using Proteus Model for a PV System: Test Case of an Improved HC MPPT Algorithm. <i>Energies</i> , <b>2020</b> , 13, 1943	3.1	5
113	Power conditioning of standalone Photo-voltaic system with BLDC motor by Negative-Output Luo Converter <b>2020</b> ,		2
112	EK "multilevel inverter" a minimal switch novel configuration for higher number of output voltage levels. <i>IET Power Electronics</i> , <b>2020</b> , 13, 2804-2815	2.2	3
111	Torque Ripple Reduction in PMSG for Standalone Wind Energy System Using Three Level DTC with A Dither Signal. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 937, 012012	0.4	
110	Broken rotor bar fault detection using Hilbert transform and neural networks applied to direct torque control of induction motor drive. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3328-3338	2.2	9
109	Single-phase hybrid multilevel inverter topology with low switching frequency modulation techniques for lower order harmonic elimination. <i>IET Power Electronics</i> , <b>2020</b> , 13, 4117-4127	2.2	7
108	An improved hybrid PV-wind power system with MPPT for water pumping applications. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 30, e12210	2.2	14
107	A Modified Step-Up Converter with Small Signal Analysis-Based Controller for Renewable Resource Applications. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 102	2.6	11
106	An Experimental Estimation of Hybrid ANFIS/PSO-Based MPPT for PV Grid Integration Under Fluctuating Sun Irradiance. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 1218-1229	4.3	107
105	Single-Phase ZAC-Source AC/AC Converter With High Buck and Boost Voltage Conversion Capability. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 9251-9259	8.9	5
104	A Hybrid Photovoltaic-Fuel Cell-Based Single-Stage Grid Integration With Lyapunov Control Scheme. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 3334-3342	4.3	37
103	Frame-Angle Controlled Wavelet Modulated Inverter and Self-Recurrent Wavelet Neural Network-Based Maximum Power Point Tracking for Wind Energy Conversion System. <i>IEEE Access</i> , <b>2020</b> , 8, 171373-171386	3.5	3
102	COVID-19: Impact analysis and recommendations for power sector operation. <i>Applied Energy</i> , <b>2020</b> , 279, 115739	10.7	107
101	Quality Management Practices of Food Manufacturers: A Comparative Study between Small, Medium and Large Companies in Malaysia. <i>Sustainability</i> , <b>2020</b> , 12, 7725	3.6	3

100	Triple-Mode Active-Passive Parallel Intermediate Links Converter With High Voltage Gain and Flexibility in Selection of Duty Cycles. <i>IEEE Access</i> , <b>2020</b> , 8, 134716-134727	3.5	7
99	Forecasting of the SARS-CoV-2 epidemic in India using SIR model, flatten curve and herd immunity. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2020</b> , 1-9	3.7	10
98	Two-Tier Converter: A New Structure of High Gain DC-DC Converter with Reduced Voltage Stress <b>2020</b> ,		2
97	Novel Non-Isolated Quad-Switched Inductor Double-Switch Converter for DC Microgrid Application <b>2020</b> ,		4
96	Comparative Study of Cavitation Problem Detection in Pumping System Using SVM and K-Nearest Neighbour Method <b>2020</b> ,		2
95	Real-Time Processor-in-Loop Investigation of a Modified Non-Linear State Observer Using Sliding Modes for Speed Sensorless Induction Motor Drive in Electric Vehicles. <i>Energies</i> , <b>2020</b> , 13, 4212	3.1	3
94	Internet of things augmented a novel PSO-employed modified zeta converter-based photovoltaic maximum power tracking system: hardware realisation. <i>IET Power Electronics</i> , <b>2020</b> , 13, 2775-2781	2.2	29
93	New CUKSEPIC converter based photovoltaic power system with hybrid GSABSO algorithm employing MPPT for water pumping applications. <i>IET Power Electronics</i> , <b>2020</b> , 13, 2824-2830	2.2	42
92	Analysis of Optimal Deployment of Several DGs in Distribution Networks Using Plant Propagation Algorithm. <i>IEEE Access</i> , <b>2020</b> , 8, 175546-175562	3.5	11
91	Investigation on Sizing of Voltage Source for a Battery Energy Storage System in Microgrid With Renewable Energy Sources. <i>IEEE Access</i> , <b>2020</b> , 8, 188861-188874	3.5	16
90	. <i>IEEE Access</i> , <b>2020</b> , 8, 161787-161804	3.5	1
89	A Generalized Multilevel Inverter Topology With Reduction of Total Standing Voltage. <i>IEEE Access</i> , <b>2020</b> , 8, 168941-168950	3.5	8
88	A Holistic Review of the Present and Future Drivers of the Renewable Energy Mix in Maharashtra, State of India. <i>Sustainability</i> , <b>2020</b> , 12, 6596	3.6	34
87	Investigation on the impacts of COVID-19 quarantine on society and environment: Preventive measures and supportive technologies. <i>3 Biotech</i> , <b>2020</b> , 10, 393	2.8	18
86	Design and Development of Non-Isolated Modified SEPIC DC-DC Converter Topology for High-Step-Up Applications: Investigation and Hardware Implementation. <i>Energies</i> , <b>2020</b> , 13, 3960	3.1	8
85	Closed-Loop Control and Boundary for CCM and DCM of Nonisolated Inverting N-Multilevel Boost Converter for High-Voltage Step-Up Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 2863-2874	8.9	22
84	. <i>IEEE Access</i> , <b>2020</b> , 8, 74432-74457	3.5	118
83	Investigations on EMI Mitigation Techniques: Intent to Reduce Grid-Tied PV Inverter Common Mode Current and Voltage. <i>Energies</i> , <b>2019</b> , 12, 3395	3.1	4

82	Quazi Z-Source Single Stage High Step-Up DC-DC Converter for Grid-connected PV Application <b>2019</b> ,		3
81	High Gain Transformer-Less Double-Duty-Triple-Mode DC/DC Converter for DC Microgrid. <i>IEEE Access</i> , <b>2019</b> , 7, 36353-36370	3.5	47
80	Nonisolated Symmetrical Interleaved Multilevel Boost Converter With Reduction in Voltage Rating of Capacitors for High-Voltage Microgrid Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 7410-7424	4.3	20
79	<b>2019</b> ,		3
78	. <i>IEEE Access</i> , <b>2019</b> , 7, 103377-103389	3.5	51
77	A New Triple-Switch-Triple-Mode High Step-Up Converter With Wide Range of Duty Cycle for DC Microgrid Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 7425-7441	4.3	21
76	Investigations of AC Microgrid Energy Management Systems Using Distributed Energy Resources and Plug-in Electric Vehicles. <i>Energies</i> , <b>2019</b> , 12, 2834	3.1	6
75	A New Structure of High Voltage Gain SEPIC Converter for Renewable Energy Applications. <i>IEEE Access</i> , <b>2019</b> , 7, 89857-89868	3.5	36
74	A Hybrid Photovoltaic-Fuel Cell for Grid Integration With Jaya-Based Maximum Power Point Tracking: Experimental Performance Evaluation. <i>IEEE Access</i> , <b>2019</b> , 7, 82978-82990	3.5	75
73	An Improved Harmonics Mitigation Scheme for a Modular Multilevel Converter. <i>IEEE Access</i> , <b>2019</b> , 7, 147244-147255	3.5	15
72	Investigation for Performances Comparison PI, Adaptive PI, Fuzzy Speed Control Induction Motor for Centrifugal Pumping Application <b>2019</b> ,		5
71	New tri-switching state non-isolated high gain DCDC boost converter for microgrid application. <i>IET Power Electronics</i> , <b>2019</b> , 12, 2741-2750	2.2	17
70	Modified multilevel buckBoost converter with equal voltage across each capacitor: analysis and experimental investigations. <i>IET Power Electronics</i> , <b>2019</b> , 12, 3318-3330	2.2	12
69	Double Stage Double Output DCDC Converters for High Voltage Loads in Fuel Cell Vehicles. <i>Energies</i> , <b>2019</b> , 12, 3681	3.1	8
68	High gain three-state switching hybrid boost converter for DC microgrid applications. <i>IET Power Electronics</i> , <b>2019</b> , 12, 3656-3667	2.2	6
67	A Non-Isolated Inverting High Gain Modified New Series of Landsman Converter <b>2019</b> ,		2
66	Reduction of Main-Grid Dependence in Future DC Micro-Grids Using Electric Springs <b>2019</b> ,		1
65	Testing of low-voltage ride through capability compliance of wind turbines [A] review. <i>International Journal of Ambient Energy</i> , <b>2018</b> , 39, 891-897	2	3

64	An Original Transformer and Switched-Capacitor (T & SC)-Based Extension for DC-DC Boost Converter for High-Voltage/Low-Current Renewable Energy Applications: Hardware Implementation of a New T & SC Boost Converter. <i>Energies</i> , <b>2018</b> , 11, 783	3.1	38
63	Analysis of 132kV/33kV 15MVA power transformer dissolved gas using transport-X Kelman Kit through Duval's triangle and Roger's Ratio prediction <b>2018</b> ,		2
62	Fuzzy SVPWM-based inverter control realisation of grid integrated photovoltaic-wind system with fuzzy particle swarm optimisation maximum power point tracking algorithm for a grid-connected PV/wind power generation system: hardware implementation. <i>IET Electric Power Applications</i> , <b>2018</b> , 12, 962-971	1.8	76
61	Non-isolated Sextuple Output Hybrid Triad Converter Configurations for High Step-Up Renewable Energy Applications. <i>Lecture Notes in Electrical Engineering</i> , <b>2018</b> , 1-12	0.2	7
60	Dual Six-Phase Multilevel AC Drive with Single Carrier Optimized Five-Level PWM for Star-Winding Configuration. <i>Lecture Notes in Electrical Engineering</i> , <b>2018</b> , 733-740	0.2	4
59	<b>2018</b> ,		2
58	L-L and L-2L Multilevel Boost Converter Topologies with Voltage Multiplier with L-L and L-2L Converter of XY Family <b>2018</b> ,		2
57	Control of High Gain Modified SEPIC Converter: A Constant Switching Frequency Modulation Sliding Mode Controlling Technique <b>2018</b> ,		3
56	Meter Placement in Power System Network: A Comprehensive Review, Analysis and Methodology. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 329	2.6	3
55	DC-Transformer Modelling, Analysis and Comparison of the Experimental Investigation of a Non-Inverting and Non-Isolated Nx Multilevel Boost Converter (Nx MBC) for Low to High DC Voltage Applications. <i>IEEE Access</i> , <b>2018</b> , 6, 70935-70951	3.5	20
54	Single phase nine level inverter using single DC source supported by capacitor voltage balancing algorithm. <i>IET Power Electronics</i> , <b>2018</b> , 11, 2319-2329	2.2	15
53	Unipolar Single Reference Multicarrier Sinusoidal Pulse Width Modulation Based 7-level Inverter with Reduced Number of Semiconductor Switches for Renewable Energy Applications <b>2018</b> ,		3
52	A Hybrid Moth-Flame Fuzzy Logic Controller Based Integrated Cuk Converter Fed Brushless DC Motor for Power Factor Correction. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 288	2.6	38
51	An Improved Multistage Switched Inductor Boost Converter (Improved M-SIBC) for Renewable Energy Applications: A key to Enhance Conversion Ratio <b>2018</b> ,		8
50	Review on FRT solutions for improving transient stability in DFIG-WTs. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 1786-1799	2.9	77
49	<b>2018</b> ,		5
48	<b>2018</b> ,		1
47	Intelligence-Based Battery Management and Economic Analysis of an Optimized Dual-Vanadium Redox Battery (VRB) for a Wind-PV Hybrid System. <i>Energies</i> , <b>2018</b> , 11, 2785	3.1	8

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39	Transistor Clamped Five-Level Inverter using Non-Inverting Double Reference Single Carrier PWM Technique for photovoltaic applications <b>2017</b> ,		7
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37	Comparative study of photovoltaic based power converter topologies for pumping applications <b>2017</b> ,		7
36	Modified SEPIC DC-to-DC boost converter with high output-gain configuration for renewable applications <b>2017</b> ,		9
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34	Analysis of high voltage-gain hybrid DC-DC power converter with RBFN based MPPT for renewable photovoltaic applications <b>2017</b> ,		2
33	A high gain modified SEPIC DC-to-DC boost converter for renewable energy application <b>2017</b> ,		5
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26	Non isolated switched inductor SEPIC converter topologies for photovoltaic boost applications <b>2016</b> ,		4
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24	Non isolated and non-inverting Cockcroft-Walton multiplier based hybrid 2Nx interleaved boost converter for renewable energy applications <b>2016</b> ,		7
23	Optimized carrier based multilevel generated modified dual three-phase open-winding inverter for medium power application <b>2016</b> ,		3
22	Hybrid non-isolated and non inverting Nx interleaved DC-DC multilevel boost converter for renewable energy applications <b>2016</b> ,		12
21	DC-DC buck converter through duality approach for current based loads <b>2016</b> ,		3
20	4Nx Non-Isolated and Non-Inverting hybrid Interleaved Multilevel Boost Converter based on VLSIm Cell and Cockcroft Walton voltage multiplier for renewable energy applications <b>2016</b> ,		12
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16	A novel sepic based dual output DC-DC converter for solar applications <b>2014</b> ,		5
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14	A novel high gain switched inductor multilevel buck-boost DC-DC converter for solar applications <b>2014</b> ,		10
13	<b>2014</b> ,		7
12	A cascaded asymmetric multilevel inverter with minimum number of switches for solar applications <b>2014</b> ,		7
11	A novel high gain DC-DC multilevel boost converter using voltage-lift switched-inductor cell <b>2014</b> ,		5

10	A novel non-isolated high step-up DC-DC converters for photovoltaic applications <b>2014</b> ,	4
9	A novel high gain floating output DC-DC multilevel boost converter for fuelcell applications <b>2014</b> ,	5
8	A novel high gain buck-boost multilevel converter using double voltage-lift switched-inductor cell <b>2014</b> ,	6
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