

Mahajan Sagar Bahskar

List of Publications by Citations

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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> , 2020 , 8, 74432-74457	3.5	118
188	An Experimental Estimation of Hybrid ANFISBSO-Based MPPT for PV Grid Integration Under Fluctuating Sun Irradiance. <i>IEEE Systems Journal</i> , 2020 , 14, 1218-1229	4.3	107
187	COVID-19: Impact analysis and recommendations for power sector operation. <i>Applied Energy</i> , 2020 , 279, 115739	10.7	107
186	Review on FRT solutions for improving transient stability in DFIG-WTs. <i>IET Renewable Power Generation</i> , 2018 , 12, 1786-1799	2.9	77
185	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> , 2018 , 12, 962-971	1.8	76
184	Improved fault ride through capability of DFIG based wind turbines using synchronous reference frame control based dynamic voltage restorer. <i>ISA Transactions</i> , 2017 , 70, 465-474	5.5	76
183	A Hybrid Photovoltaic-Fuel Cell for Grid Integration With Jaya-Based Maximum Power Point Tracking: Experimental Performance Evaluation. <i>IEEE Access</i> , 2019 , 7, 82978-82990	3.5	75
182	Improved Fault Ride Through Capability in DFIG Based Wind Turbines Using Dynamic Voltage Restorer With Combined Feed-Forward and Feed-Back Control. <i>IEEE Access</i> , 2017 , 5, 20494-20503	3.5	51
181	. <i>IEEE Access</i> , 2019 , 7, 103377-103389	3.5	51
180	High Gain Transformer-Less Double-Duty-Triple-Mode DC/DC Converter for DC Microgrid. <i>IEEE Access</i> , 2019 , 7, 36353-36370	3.5	47
179	New CUKSEPIC converter based photovoltaic power system with hybrid GSABSO algorithm employing MPPT for water pumping applications. <i>IET Power Electronics</i> , 2020 , 13, 2824-2830	2.2	42
178	Evaluation of Mathematical Model to Characterize the Performance of Conventional and Hybrid PV Array Topologies under Static and Dynamic Shading Patterns. <i>Energies</i> , 2020 , 13, 3216	3.1	40
177	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> , 2018 , 11, 783	3.1	38
176	A Hybrid Moth-Flame Fuzzy Logic Controller Based Integrated Cuk Converter Fed Brushless DC Motor for Power Factor Correction. <i>Electronics (Switzerland)</i> , 2018 , 7, 288	2.6	38
175	A Hybrid Photovoltaic-Fuel Cell-Based Single-Stage Grid Integration With Lyapunov Control Scheme. <i>IEEE Systems Journal</i> , 2020 , 14, 3334-3342	4.3	37
174	A New Structure of High Voltage Gain SEPIC Converter for Renewable Energy Applications. <i>IEEE Access</i> , 2019 , 7, 89857-89868	3.5	36
173	Non-Isolated High-Gain Triple Port DCDC Buck-Boost Converter With Positive Output Voltage for Photovoltaic Applications. <i>IEEE Access</i> , 2020 , 8, 113649-113666	3.5	34

172	A Holistic Review of the Present and Future Drivers of the Renewable Energy Mix in Maharashtra, State of India. <i>Sustainability</i> , 2020 , 12, 6596	3.6	34
171	Power Balancing Control for Grid Energy Storage System in Photovoltaic Applications Real Time Digital Simulation Implementation. <i>Energies</i> , 2017 , 10, 928	3.1	29
170	Internet of things augmented a novel PSO-employed modified zeta converter-based photovoltaic maximum power tracking system: hardware realisation. <i>IET Power Electronics</i> , 2020 , 13, 2775-2781	2.2	29
169	A Novel Modified Switched Inductor Boost Converter With Reduced Switch Voltage Stress. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1275-1289	8.9	28
168	Study and Analysis of an Intelligent Microgrid Energy Management Solution with Distributed Energy Sources. <i>Energies</i> , 2017 , 10, 1419	3.1	26
167	Diagnosis of Cervical Cancer based on Ensemble Deep Learning Network using Colposcopy Images. <i>BioMed Research International</i> , 2021 , 2021, 5584004	3	25
166	Energy Cost Optimization of Hybrid Renewables Based V2G Microgrid Considering Multi Objective Function by Using Artificial Bee Colony Optimization. <i>IEEE Access</i> , 2020 , 8, 62076-62093	3.5	24
165	EPAW: Efficient Privacy Preserving Anonymous Mutual Authentication Scheme for Wireless Body Area Networks (WBANs). <i>IEEE Access</i> , 2020 , 8, 48576-48586	3.5	23
164	Improved Perturb and Observation Maximum Power Point Tracking Technique for Solar Photovoltaic Power Generation Systems. <i>IEEE Systems Journal</i> , 2021 , 15, 3024-3035	4.3	23
163	Interleaved Multilevel Boost Converter With Minimal Voltage Multiplier Components for High-Voltage Step-Up Applications. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12816-12833	7.2	22
162	A Hybrid PV-Battery System for ON-Grid and OFF-Grid Applications Controller-In-Loop Simulation Validation. <i>Energies</i> , 2020 , 13, 755	3.1	22
161	Closed-Loop Control and Boundary for CCM and DCM of Nonisolated Inverting NIMultilevel Boost Converter for High-Voltage Step-Up Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2863-2874	8.9	22
160	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> , 2019 , 55, 7425-7441	4.3	21
159	Design and Real-Time Simulation of an AC Voltage Regulator Based Battery Charger for Large-Scale PV-Grid Energy Storage Systems. <i>IEEE Access</i> , 2017 , 5, 25158-25170	3.5	21
158	Design and Implementation of Seventeen Level Inverter With Reduced Components. <i>IEEE Access</i> , 2021 , 9, 16746-16760	3.5	21
157	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> , 2019 , 55, 7410-7424	4.3	20
156	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> , 2018 , 6, 70935-70951	3.5	20
155	Investigation on the impacts of COVID-19 quarantine on society and environment: Preventive measures and supportive technologies. <i>3 Biotech</i> , 2020 , 10, 393	2.8	18

154	A New Approach to Optimal Location and Sizing of DSTATCOM in Radial Distribution Networks Using Bio-Inspired Cuckoo Search Algorithm. <i>Energies</i> , 2020 , 13, 4615	3.1	17
153	New tri-switching state non-isolated high gain DCDC boost converter for microgrid application. <i>IET Power Electronics</i> , 2019 , 12, 2741-2750	2.2	17
152	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> , 2020 , 8, 87309-87328	3.5	16
151	Investigation on Sizing of Voltage Source for a Battery Energy Storage System in Microgrid With Renewable Energy Sources. <i>IEEE Access</i> , 2020 , 8, 188861-188874	3.5	16
150	Binary Hybrid Multilevel Inverter-Based Grid Integrated Solar Energy Conversion System With Damped SOGI Control. <i>IEEE Access</i> , 2020 , 8, 37214-37228	3.5	15
149	An Improved Harmonics Mitigation Scheme for a Modular Multilevel Converter. <i>IEEE Access</i> , 2019 , 7, 147244-147255	3.5	15
148	Grid Synchronization of a Seven-Phase Wind Electric Generator Using d-q PLL. <i>Energies</i> , 2017 , 10, 926	3.1	15
147	Single phase nine level inverter using single DC source supported by capacitor voltage balancing algorithm. <i>IET Power Electronics</i> , 2018 , 11, 2319-2329	2.2	15
146	A Sustainable Solar Photovoltaic Energy System Interfaced with Grid-Tied Voltage Source Converter for Power Quality Improvement. <i>Electric Power Components and Systems</i> , 2017 , 45, 171-183	1	14
145	A High Gain DC-DC Converter with Grey Wolf Optimizer Based MPPT Algorithm for PV Fed BLDC Motor Drive. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2797	2.6	14
144	Infrared Thermography Based Defects Testing of Solar Photovoltaic Panel with Fuzzy Rule-Based Evaluation. <i>Energies</i> , 2020 , 13, 1343	3.1	14
143	An improved hybrid PV-wind power system with MPPT for water pumping applications. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12210	2.2	14
142	COVID-19 Detection Based on Lung Ct Scan Using Deep Learning Techniques.. <i>Computational and Mathematical Methods in Medicine</i> , 2022 , 2022, 7672196	2.8	13
141	Novel Multi-Time Scale Deep Learning Algorithm for Solar Irradiance Forecasting. <i>Energies</i> , 2021 , 14, 2404	3.1	13
140	Experimental Investigations Conducted for the Characteristic Study of OM29 Phase Change Material and Its Incorporation in Photovoltaic Panel. <i>Energies</i> , 2020 , 13, 897	3.1	12
139	Hybrid non-isolated and non inverting Nx interleaved DC-DC multilevel boost converter for renewable energy applications 2016 ,		12
138	Modified multilevel buckBoost converter with equal voltage across each capacitor: analysis and experimental investigations. <i>IET Power Electronics</i> , 2019 , 12, 3318-3330	2.2	12
137	4Nx Non-Isolated and Non-Inverting hybrid Interleaved Multilevel Boost Converter based on VLSIm Cell and Cockcroft Walton voltage multiplier for renewable energy applications 2016 ,		12

136	2014,			11
135	A Modified Step-Up Converter with Small Signal Analysis-Based Controller for Renewable Resource Applications. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 102	2.6		11
134	Analysis of Optimal Deployment of Several DGs in Distribution Networks Using Plant Propagation Algorithm. <i>IEEE Access</i> , 2020 , 8, 175546-175562	3.5		11
133	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> , 2021 , 42, 237-248	2.3		11
132	A novel high gain switched inductor multilevel buck-boost DC-DC converter for solar applications 2014,			10
131	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> , 2020 , 1-9	3.7		10
130	A State-of-the-Art Review on Conducted Electromagnetic Interference in Non-Isolated DC to DC Converters. <i>IEEE Access</i> , 2020 , 8, 2564-2577	3.5		9
129	Modified SEPIC DC-to-DC boost converter with high output-gain configuration for renewable applications 2017,			9
128	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> , 2020 , 13, 3328-3338	2.2		9
127	Performance Enhancement of PV System Configurations Under Partial Shading Conditions Using MS Method. <i>IEEE Access</i> , 2021 , 9, 56630-56644	3.5		9
126	Identification of Water Hammering for Centrifugal Pump Drive Systems. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2683	2.6		8
125	Double Stage Double Output DCDC Converters for High Voltage Loads in Fuel Cell Vehicles. <i>Energies</i> , 2019 , 12, 3681	3.1		8
124	2017,			8
123	2017,			8
122	A Generalized Multilevel Inverter Topology With Reduction of Total Standing Voltage. <i>IEEE Access</i> , 2020 , 8, 168941-168950	3.5		8
121	Design and Development of Non-Isolated Modified SEPIC DC-DC Converter Topology for High-Step-Up Applications: Investigation and Hardware Implementation. <i>Energies</i> , 2020 , 13, 3960	3.1		8
120	An Improved Multistage Switched Inductor Boost Converter (Improved M-SIBC) for Renewable Energy Applications: A key to Enhance Conversion Ratio 2018,			8
119	Intelligence-Based Battery Management and Economic Analysis of an Optimized Dual-Vanadium Redox Battery (VRB) for a Wind-PV Hybrid System. <i>Energies</i> , 2018 , 11, 2785	3.1		8

118	An Original Hybrid Multilevel DC-AC Converter Using Single-Double Source Unit for Medium Voltage Applications: Hardware Implementation and Investigation. <i>IEEE Access</i> , 2020 , 8, 71291-71301	3.5	7
117	Non isolated and non-inverting Cockcroft-Walton multiplier based hybrid 2Nx interleaved boost converter for renewable energy applications 2016 ,		7
116	2014 ,		7
115	A cascaded asymmetric multilevel inverter with minimum number of switches for solar applications 2014 ,		7
114	Transistor Clamped Five-Level Inverter using Non-Inverting Double Reference Single Carrier PWM Technique for photovoltaic applications 2017 ,		7
113	Comparative study of photovoltaic based power converter topologies for pumping applications 2017 ,		7
112	A modified high output-gain cuk converter circuit configuration for renewable applications IA comprehensive investigation 2017 ,		7
111	The state-of-the-art of power electronics converters configurations in electric vehicle technologies 2021 , 1, 100001		7
110	Single-phase hybrid multilevel inverter topology with low switching frequency modulation techniques for lower order harmonic elimination. <i>IET Power Electronics</i> , 2020 , 13, 4117-4127	2.2	7
109	Triple-Mode Active-Passive Parallel Intermediate Links Converter With High Voltage Gain and Flexibility in Selection of Duty Cycles. <i>IEEE Access</i> , 2020 , 8, 134716-134727	3.5	7
108	High Gain Switched-Inductor-Double-Leg Converter With Wide Duty Range for DC Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 9561-9573	8.9	7
107	Non-isolated Sextuple Output Hybrid Triad Converter Configurations for High Step-Up Renewable Energy Applications. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 1-12	0.2	7
106	Influence of a Proposed Switching Method on Reliability and Total Harmonic Distortion of the Quasi Z-Source Inverters. <i>IEEE Access</i> , 2020 , 8, 33088-33100	3.5	6
105	Investigations of AC Microgrid Energy Management Systems Using Distributed Energy Resources and Plug-in Electric Vehicles. <i>Energies</i> , 2019 , 12, 2834	3.1	6
104	Multistage switched inductor boost converter for renewable energy application 2017 ,		6
103	A novel high gain buck-boost multilevel converter using double voltage-lift switched-inductor cell 2014 ,		6
102	A Review on Effective Use of Daylight Harvesting Using Intelligent Lighting Control Systems for Sustainable Office Buildings in India. <i>Sustainability</i> , 2021 , 13, 4973	3.6	6
101	High gain three-state switching hybrid boost converter for DC microgrid applications. <i>IET Power Electronics</i> , 2019 , 12, 3656-3667	2.2	6

100	A Hybrid Multilevel Inverter Scheme for Nine-Phase PPMIM Drive by Using Three-Phase Five-Leg Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1895-1904	8.9	6
99	Transformer-less Boost Converter with Reduced Voltage Stress for High Voltage Step-Up Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	6
98	Real-Time Implementation of Extended Kalman Filter Observer With Improved Speed Estimation for Sensorless Control. <i>IEEE Access</i> , 2021 , 9, 50452-50465	3.5	6
97	A Review on Numerical Approach to Achieve Building Energy Efficiency for Energy, Economy and Environment (3E) Benefit. <i>Energies</i> , 2021 , 14, 4487	3.1	6
96	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> , 2021 , 9, 5883-5894	5.6	6
95	. <i>IEEE Access</i> , 2021 , 9, 73433-73452	3.5	6
94	Trusted Simulation Using Proteus Model for a PV System: Test Case of an Improved HC MPPT Algorithm. <i>Energies</i> , 2020 , 13, 1943	3.1	5
93	On the automated multiple liquid bottle filling system 2016 ,		5
92	Investigation for Performances Comparison PI, Adaptive PI, Fuzzy Speed Control Induction Motor for Centrifugal Pumping Application 2019 ,		5
91	A novel sepic based dual output DC-DC converter for solar applications 2014 ,		5
90	Non-isolated dual output hybrid DC-DC multilevel converter for photovoltaic applications 2014 ,		5
89	A high gain modified SEPIC DC-to-DC boost converter for renewable energy application 2017 ,		5
88	2015 ,		5
87	A novel high gain DC-DC multilevel boost converter using voltage-lift switched-inductor cell 2014 ,		5
86	A novel high gain floating output DC-DC multilevel boost converter for fuelcell applications 2014 ,		5
85	A novel high step-up multilevel boost converter using double voltage-lift switched-inductor cell 2014 ,		5
84	A Practical Approach for Predicting Power in a Small-Scale Off-Grid Photovoltaic System using Machine Learning Algorithms. <i>International Journal of Photoenergy</i> , 2022 , 2022, 1-21	2.1	5
83	A Comprehensive Review on Sustainable Aspects of Big Data Analytics for Smart Grid. <i>Sustainability</i> , 2021 , 13, 13322	3.6	5

82	Single-Phase ZAC-Source ACAC Converter With High Buck and Boost Voltage Conversion Capability. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 9251-9259	8.9	5
81	2018 ,		5
80	Investigations on EMI Mitigation Techniques: Intent to Reduce Grid-Tied PV Inverter Common Mode Current and Voltage. <i>Energies</i> , 2019 , 12, 3395	3.1	4
79	Combined Harmonic Reduction and DC Voltage Regulation of A Single DC Source Five-Level Multilevel Inverter for Wind Electric System. <i>Electronics (Switzerland)</i> , 2020 , 9, 979	2.6	4
78	Non isolated switched inductor SEPIC converter topologies for photovoltaic boost applications 2016 ,		4
77	A novel non-isolated high step-up DC-DC converters for photovoltaic applications 2014 ,		4
76	Critical Review of Data, Models and Performance Metrics for Wind and Solar Power Forecast. <i>IEEE Access</i> , 2022 , 10, 667-688	3.5	4
75	A Multilevel Inverter Topology Using Diode Half-Bridge Circuit with Reduced Power Component. <i>Energies</i> , 2021 , 14, 7249	3.1	4
74	Novel Non-Isolated Quad-Switched Inductor Double-Switch Converter for DC Microgrid Application 2020 ,		4
73	Spider Community Optimization Algorithm to Determine UPFC Optimal Size and Location for Improve Dynamic Stability 2021 ,		4
72	Analysis of Fractional Order Sliding Mode Control in a D-STATCOM Integrated Power Distribution System. <i>IEEE Access</i> , 2021 , 9, 70337-70352	3.5	4
71	Non-Isolated DCDC Power Converter With High Gain and Inverting Capability. <i>IEEE Access</i> , 2021 , 9, 62084-62094	3.5	4
70	Dual Six-Phase Multilevel AC Drive with Single Carrier Optimized Five-Level PWM for Star-Winding Configuration. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 733-740	0.2	4
69	An efficient, robust optimization model for the unit commitment considering renewable uncertainty and pumped-storage hydropower. <i>Computers and Electrical Engineering</i> , 2022 , 100, 107846	4.3	4
68	Quazi Z-Source Single Stage High Step-Up DC-DC Converter for Grid-connected PV Application 2019 ,		3
67	Testing of low-voltage ride through capability compliance of wind turbines in review. <i>International Journal of Ambient Energy</i> , 2018 , 39, 891-897	2	3
66	2016 ,		3
65	Optimized carrier based multilevel generated modified dual three-phase open-winding inverter for medium power application 2016 ,		3

64	2019,			3
63	Realization of 5-bus system using soft computing technique for flexible alternating current transmission system (FACTS) devices 2017,			3
62	2017,			3
61	A novel asymmetric multilevel inverter with minimum number of switches for renewable power grid applications 2013,			3
60	EK \square multilevel inverter \square minimal switch novel configuration for higher number of output voltage levels. <i>IET Power Electronics</i> , 2020 , 13, 2804-2815	2.2		3
59	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> , 2020 , 8, 171373-171386	3.5		3
58	Quality Management Practices of Food Manufacturers: A Comparative Study between Small, Medium and Large Companies in Malaysia. <i>Sustainability</i> , 2020 , 12, 7725	3.6		3
57	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> , 2020 , 13, 4212	3.1		3
56	Stability assessment and performance analysis of new controller for power quality conditioning in microgrids. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e12891	2.2		3
55	A Novel Deep Learning Based Model for Tropical Intensity Estimation and Post-Disaster Management of Hurricanes. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4129	2.6		3
54	Intelligent optimization for charging scheduling of electric vehicle using exponential Harris Hawks technique. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 5816-5844	8.4		3
53	DC-DC buck converter through duality approach for current based loads 2016,			3
52	Five-phase five-level open-winding/star-winding inverter drive for low-voltage/high-current applications 2016,			3
51	Control of High Gain Modified SEPIC Converter: A Constant Switching Frequency Modulation Sliding Mode Controlling Technique 2018,			3
50	Meter Placement in Power System Network \square Comprehensive Review, Analysis and Methodology. <i>Electronics (Switzerland)</i> , 2018 , 7, 329	2.6		3
49	Unipolar Single Reference Multicarrier Sinusoidal Pulse Width Modulation Based 7-level Inverter with Reduced Number of Semiconductor Switches for Renewable Energy Applications 2018,			3
48	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> , 2020 , 102, 2041-2057	1.5		2
47	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> , 2020 , 8, 64011-64019	3.5		2

46	Analysis of 132kV/33kV 15MVA power transformer dissolved gas using transport-X Kelman Kit through Duval's triangle and Roger's Ratio prediction 2018 ,		2
45	Analysis of high voltage-gain hybrid DC-DC power converter with RBFN based MPPT for renewable photovoltaic applications 2017 ,		2
44	A novel single phase advanced multilevel inverter with adjustable amplitude of voltage levels 2014 ,		2
43	Power conditioning of standalone Photo-voltaic system with BLDC motor by Negative-Output Luo Converter 2020 ,		2
42	Design of Boosted Multilevel DC-DC Converter for Solar Photovoltaic System. <i>International Journal of Photoenergy</i> , 2022 , 2022, 1-23	2.1	2
41	Field Oriented Control of Five-Phase Induction Motor fed from Space Vector Modulated Matrix Converter. <i>IEEE Access</i> , 2022 , 1-1	3.5	2
40	Two-Tier Converter: A New Structure of High Gain DC-DC Converter with Reduced Voltage Stress 2020 ,		2
39	Comparative Study of Cavitation Problem Detection in Pumping System Using SVM and K-Nearest Neighbour Method 2020 ,		2
38	Artificial Neural Network based Solar Energy Integrated Unified Power Quality Conditioner. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 1-25	1.6	2
37	Layout optimisation algorithms and reliability assessment of wind farm for microgrid integration: A comprehensive review. <i>IET Renewable Power Generation</i> , 2021 , 15, 2063-2084	2.9	2
36	A Non-Isolated Inverting High Gain Modified New Series of Landsman Converter 2019 ,		2
35	Trinary Hybrid Cascaded H-Bridge Multilevel Inverter-Based Grid-Connected Solar Power Transfer System Supporting Critical Load. <i>IEEE Systems Journal</i> , 2021 , 15, 4116-4125	4.3	2
34	Robust Queen Bee Assisted Genetic Algorithm (QBGA) Optimized Fractional Order PID (FOPID) Controller for Not Necessarily Minimum Phase Power Converters. <i>IEEE Access</i> , 2021 , 9, 93331-93337	3.5	2
33	. <i>IEEE Access</i> , 2021 , 9, 88069-88084	3.5	2
32	2018 ,		2
31	L-L and L-2L Multilevel Boost Converter Topologies with Voltage Multiplier with L-L and L-2L Converter of XY Family 2018 ,		2
30	Double stage converter with low current stress for low to high voltage conversion in nanogrid. <i>Energy Reports</i> , 2021 , 7, 5710-5721	4.6	2
29	A New Hybrid Zeta-Boost Converter With Active Quad Switched Inductor for High Voltage Gain. <i>IEEE Access</i> , 2021 , 9, 20022-20034	3.5	2

28	A Novel Hybrid Feature Selection Method for Day-Ahead Electricity Price Forecasting. <i>Energies</i> , 2021 , 14, 8455	3.1	2
27	. <i>IEEE Access</i> , 2020 , 8, 161787-161804	3.5	1
26	Modelling, analysis, and implementation of a switched-inductor based DC/DC converter with reduced switch current stress. <i>IET Power Electronics</i> , 2021 , 14, 1504-1514	2.2	1
25	Influence of Geometrical Changes in an Adiabatic Portion on the Heat Transfer Performance of a Two-Phase Closed Thermosiphon System. <i>Energies</i> , 2021 , 14, 3070	3.1	1
24	Cybernetics approaches in intelligent systems for crops disease detection with the aid of IoT. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 6550-6580	8.4	1
23	Reduction of Main-Grid Dependence in Future DC Micro-Grids Using Electric Springs 2019 ,		1
22	Small-Signal Stability Analysis for Microgrids Under Uncertainty Using MALANN Control Technique. <i>IEEE Systems Journal</i> , 2021 , 15, 3797-3807	4.3	1
21	. <i>IEEE Access</i> , 2021 , 9, 44888-44904	3.5	1
20	Assessing Finite Control Set Model Predictive Speed Controlled PMSM Performance for Deployment in Electric Vehicles. <i>World Electric Vehicle Journal</i> , 2021 , 12, 41	2.5	1
19	2018 ,		1
18	Comprehensive review of single stage switched boost inverter structures. <i>IET Power Electronics</i> , 2021 , 14, 2031-2051	2.2	1
17	Performance Evaluation of Solar-PV-Based Non-Isolated Switched-Inductor and Switched-Capacitor High-Step-Up Cuk Converter. <i>Electronics (Switzerland)</i> , 2022 , 11, 1381	2.6	1
16	A new intelligent adaptation mechanism of MRAS based on a genetic algorithm applied to speed sensorless direct torque control for induction motor. <i>International Journal of Dynamics and Control</i> ,1	1.7	1
15	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> , 2020 , 30, e12672	2.2	0
14	Implementation of Designed PV Integrated Controlled Converter System. <i>IEEE Access</i> , 2020 , 8, 100905-100915	3.0	0
13	Hardware Implementation and a New Adaptation in the Winding Scheme of Standard Three Phase Induction Machine to Utilize for Multifunctional Operation: A New Multifunctional Induction Machine. <i>Energies</i> , 2017 , 10, 1757	3.1	0
12	Double-switch switched-inductor converter with minimal switch voltage stress for renewable energy conversion. <i>Computers and Electrical Engineering</i> , 2022 , 98, 107682	4.3	0
11	Bi-Furcated Stator Winding Configuration in Three-Phase Induction Generators for Wind Power Generation. <i>IEEE Access</i> , 2021 , 9, 153188-153198	3.5	0

10	Variability Analysis of SBOX With CMOS 45 nm Technology. <i>Wireless Personal Communications</i> ,1	1.9	0
9	Efficient Multi-Phase Converter for E-Mobility. <i>World Electric Vehicle Journal</i> , 2022 , 13, 67	2.5	0
8	An Energy-Efficient Start-Up Strategy for Large Variable Speed Hydro Pump Turbine Equipped with Doubly Fed Asynchronous Machine. <i>Energies</i> , 2022 , 15, 3138	3.1	0
7	Corrections to "An Improved Harmonics Mitigation Scheme for a Modular Multilevel Converter" [2019 147244-147255]. <i>IEEE Access</i> , 2020 , 8, 65351-65351	3.5	
6	Reduced Auxiliary Circuit Switch Nine-Level Inverter for Renewable Energy Applications. <i>IETE Journal of Research</i> ,1-10	0.9	
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4	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> , 2020 , 937, 012012	0.4	
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2	Triple-Switch DC-to-DC Converter for High-Voltage Boost Application <i>Revista. Lecture Notes in Electrical Engineering</i> , 2021 , 197-204	0.2	
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