

Zbigniew Leonowicz

List of Publications by Citations

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323
papers

4,165
citations

32
h-index

50
g-index

401
ext. papers

6,420
ext. citations

3
avg, IF

6.47
L-index

#	Paper	IF	Citations
323	A Comprehensive Study of Key Electric Vehicle (EV) Components, Technologies, Challenges, Impacts, and Future Direction of Development. <i>Energies</i> , 2017 , 10, 1217	3.1	234
322	Analysis and Mitigation of Power Quality Issues in Distributed Generation Systems Using Custom Power Devices. <i>IEEE Access</i> , 2018 , 6, 16816-16833	3.5	114
321	An Experimental Estimation of Hybrid ANFIS/PSO-Based MPPT for PV Grid Integration Under Fluctuating Sun Irradiance. <i>IEEE Systems Journal</i> , 2020 , 14, 1218-1229	4.3	107
320	EEG filtering based on blind source separation (BSS) for early detection of Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2005 , 116, 729-37	4.3	103
319	Advanced spectrum estimation methods for signal analysis in power electronics. <i>IEEE Transactions on Industrial Electronics</i> , 2003 , 50, 514-519	8.9	102
318	. <i>IEEE Access</i> , 2019 , 7, 10467-10477	3.5	81
317	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
316	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
315	An Ant Colony Optimized MPPT for Standalone Hybrid PV-Wind Power System with Single Cuk Converter. <i>Energies</i> , 2019 , 12, 167	3.1	70
314	An Extensive Practical Investigation of FPSO-Based MPPT for Grid Integrated PV System Under Variable Operating Conditions With Anti-Islanding Protection. <i>IEEE Systems Journal</i> , 2019 , 13, 1861-1874	4.3	67
313	An Adaptive Overcurrent Coordination Scheme to Improve Relay Sensitivity and Overcome Drawbacks due to Distributed Generation in Smart Grids. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 5217-5228	4.3	62
312	High-resolution spectrum-estimation methods for signal analysis in power systems. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2006 , 55, 219-225	5.2	62
311	Constant Power Loads (CPL) with Microgrids: Problem Definition, Stability Analysis and Compensation Techniques. <i>Energies</i> , 2017 , 10, 1656	3.1	53
310	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
309	. <i>IEEE Access</i> , 2019 , 7, 103377-103389	3.5	51
308	Photovoltaic Integrated Hybrid Microgrid Structured Electric Vehicle Charging Station and Its Energy Management Approach. <i>Energies</i> , 2019 , 12, 168	3.1	48
307	Trimmed estimators for robust averaging of event-related potentials. <i>Journal of Neuroscience Methods</i> , 2005 , 142, 17-26	3	48

306	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
305	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2008 , 57, 672-681	5.2	46
304	Internet of Things Applications as Energy Internet in Smart Grids and Smart Environments. <i>Electronics (Switzerland)</i> , 2019 , 8, 972	2.6	45
303	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
302	Single-Phase Step-Up Switched-Capacitor-Based Multilevel Inverter Topology With SHEPWM. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 3107-3119	4.3	42
301	Fault location in power networks with mixed feeders using the complex space-phasor and Hilbert Huang transform. <i>International Journal of Electrical Power and Energy Systems</i> , 2012 , 42, 208-219	5.1	41
300	Identification of Plant-Leaf Diseases Using CNN and Transfer-Learning Approach. <i>Electronics (Switzerland)</i> , 2021 , 10, 1388	2.6	40
299	A sociocultural study on solar photovoltaic energy system in India: Stratification and policy implication. <i>Journal of Cleaner Production</i> , 2019 , 216, 461-481	10.3	40
298	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
297	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
296	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
295	A New Structure of High Voltage Gain SEPIC Converter for Renewable Energy Applications. <i>IEEE Access</i> , 2019 , 7, 89857-89868	3.5	36
294	A Multistage DC-DC Step-Up Self-Balanced and Magnetic Component-Free Converter for Photovoltaic Applications: Hardware Implementation. <i>Energies</i> , 2017 , 10, 719	3.1	36
293	Real-Time Forecasting of EV Charging Station Scheduling for Smart Energy Systems. <i>Energies</i> , 2017 , 10, 377	3.1	35
292	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
291	Maximum Power Point Tracking for Brushless DC Motor-Driven Photovoltaic Pumping Systems Using a Hybrid ANFIS-FLOWER Pollination Optimization Algorithm. <i>Energies</i> , 2018 , 11, 1067	3.1	32
290	A State-of-the-Art Review on the Drive of Renewables in Gujarat, State of India: Present Situation, Barriers and Future Initiatives. <i>Energies</i> , 2020 , 13, 40	3.1	31
289	Energy Management Strategy for Rural CommunitiesDC Micro Grid Power System Structure with Maximum Penetration of Renewable Energy Sources. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 585	2.6	30

288	Large Scale Renewable Energy Integration: Issues and Solutions. <i>Energies</i> , 2019 , 12, 1996	3.1	29
287	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
286	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
285	Grid-Tied Photovoltaic and Battery Storage Systems with Malaysian Electricity Tariff A Review on Maximum Demand Shaving. <i>Energies</i> , 2017 , 10, 1884	3.1	27
284	Forecasting Solar PV Output Using Convolutional Neural Networks with a Sliding Window Algorithm. <i>Energies</i> , 2020 , 13, 723	3.1	26
283	Study and Analysis of an Intelligent Microgrid Energy Management Solution with Distributed Energy Sources. <i>Energies</i> , 2017 , 10, 1419	3.1	26
282	A Case Study on Distributed Energy Resources and Energy-Storage Systems in a Virtual Power Plant Concept: Economic Aspects. <i>Energies</i> , 2019 , 12, 4447	3.1	26
281	Nature-Inspired MPPT Algorithms for Partially Shaded PV Systems: A Comparative Study. <i>Energies</i> , 2019 , 12, 1451	3.1	25
280	Design and Implementation of Multilevel Inverters for Fuel Cell Energy Conversion System. <i>IEEE Access</i> , 2020 , 8, 183690-183707	3.5	25
279	A Comprehensive Review of Authentication Schemes in Vehicular Ad-Hoc Network. <i>IEEE Access</i> , 2021 , 9, 31309-31321	3.5	25
278	Minimization of Load Variance in Power Grids Investigation on Optimal Vehicle-to-Grid Scheduling. <i>Energies</i> , 2017 , 10, 1880	3.1	24
277	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
276	A Review on Optimization and Control Methods Used to Provide Transient Stability in Microgrids. <i>Energies</i> , 2019 , 12, 3582	3.1	22
275	Critical Review of PV Grid-Tied Inverters. <i>Energies</i> , 2019 , 12, 1921	3.1	22
274	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
273	A New Multilevel Inverter Topology With Reduced Power Components for Domestic Solar PV Applications. <i>IEEE Access</i> , 2020 , 8, 187483-187497	3.5	22
272	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> , 2020 , 67, 2863-2874	8.9	22
271	Prediction of Chronic Kidney Disease - A Machine Learning Perspective. <i>IEEE Access</i> , 2021 , 9, 17312-17334	3.5	22

270	. <i>IEEE Access</i> , 2020 , 8, 75163-75183	3.5	21
269	A Case Study on Distributed Energy Resources and Energy-Storage Systems in a Virtual Power Plant Concept: Technical Aspects. <i>Energies</i> , 2020 , 13, 3086	3.1	21
268	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
267	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
266	Investigation on the Development of a Sliding Mode Controller for Constant Power Loads in Microgrids. <i>Energies</i> , 2017 , 10, 1086	3.1	21
265	2012 ,		21
264	Design and Implementation of Seventeen Level Inverter With Reduced Components. <i>IEEE Access</i> , 2021 , 9, 16746-16760	3.5	21
263	Neural Network Based Maximum Power Point Tracking Control with Quadratic Boost Converter for PMSG Wind Energy Conversion System. <i>Electronics (Switzerland)</i> , 2018 , 7, 20	2.6	20
262	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
261	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
260	High-Voltage DC-DC Converter Topology for PV Energy Utilization Investigation and Implementation. <i>Electric Power Components and Systems</i> , 2017 , 45, 221-232	1	19
259	Protection Coordination of Properly Sized and Placed Distributed Generations Methods, Applications and Future Scope. <i>Energies</i> , 2018 , 11, 2672	3.1	19
258	An Overview of Energy Scenarios, Storage Systems and the Infrastructure for Vehicle-to-Grid Technology. <i>Energies</i> , 2018 , 11, 2174	3.1	19
257	Harmonics and interharmonics estimation using advanced signal processing methods		18
256	Modeling and analysis of complex dynamics for dSPACE controlled closed-loop DC-DC boost converter. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2813	2.2	18
255	Class E Power Amplifier Design and Optimization for the Capacitive Coupled Wireless Power Transfer System in Biomedical Implants. <i>Energies</i> , 2017 , 10, 1409	3.1	17
254	Investigation and Comparative Analysis of Advanced PWM Techniques for Three-Phase Three-Level NPC-MLI Drives. <i>Electric Power Components and Systems</i> , 2018 , 46, 258-269	1	17
253	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

252	Coordinated Control Strategies for a Permanent Magnet Synchronous Generator Based Wind Energy Conversion System. <i>Energies</i> , 2017 , 10, 1493	3.1	17
251	. <i>IEEE Access</i> , 2021 , 9, 37456-37465	3.5	17
250	A Multifunctional Dynamic Voltage Restorer for Power Quality Improvement. <i>Energies</i> , 2018 , 11, 1351	3.1	17
249	Control Strategies of Mitigating Dead-time Effect on Power Converters: An Overview. <i>Electronics (Switzerland)</i> , 2019 , 8, 196	2.6	16
248	A novel cross-connected multilevel inverter topology for higher number of voltage levels with reduced switch count. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12381	2.2	16
247	Influence and Impact of Data Averaging and Temporal Resolution on the Assessment of Energetic, Economic and Technical Issues of Hybrid Photovoltaic-Battery Systems. <i>Energies</i> , 2020 , 13, 354	3.1	16
246	A Modified High Voltage Gain Quasi-Impedance Source Coupled Inductor Multilevel Inverter for Photovoltaic Application. <i>Energies</i> , 2020 , 13, 874	3.1	16
245	Extended Kalman Filter Based Sliding Mode Control of Parallel-Connected Two Five-Phase PMSM Drive System. <i>Electronics (Switzerland)</i> , 2018 , 7, 14	2.6	16
244	Analysis of SDFT based phase detection system for grid synchronization of distributed generation systems 2014 , 17, 270-278		16
243	Optimisation of hybrid renewable energy system using iterative filter selection approach. <i>IET Renewable Power Generation</i> , 2017 , 11, 1440-1445	2.9	16
242	Control Strategy for a Grid-Connected Inverter under Unbalanced Network Conditions: A Disturbance Observer-Based Decoupled Current Approach. <i>Energies</i> , 2017 , 10, 1067	3.1	16
241	Design and implementation of a novel asymmetrical multilevel inverter optimal hardware components. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12201	2.2	16
240	Recent Developments of Photovoltaics Integrated with Battery Storage Systems and Related Feed-In Tariff Policies: A Review. <i>International Journal of Photoenergy</i> , 2017 , 2017, 1-12	2.1	15
239	Sliding Mode Controller and Lyapunov Redesign Controller to Improve Microgrid Stability: A Comparative Analysis with CPL Power Variation. <i>Energies</i> , 2017 , 10, 1959	3.1	15
238	Grid Synchronization of a Seven-Phase Wind Electric Generator Using d-q PLL. <i>Energies</i> , 2017 , 10, 926	3.1	15
237	Hybrid PV-Wind, Micro-Grid Development Using Quasi-Z-Source Inverter Modeling and Control: Experimental Investigation. <i>Energies</i> , 2018 , 11, 2277	3.1	15
236	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
235	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

234	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
233	Recognition of Power Quality Issues Associated With Grid Integrated Solar Photovoltaic Plant in Experimental Framework. <i>IEEE Systems Journal</i> , 2021 , 15, 3740-3748	4.3	14
232	A Novel Asymmetrical 21-Level Inverter for Solar PV Energy System With Reduced Switch Count. <i>IEEE Access</i> , 2021 , 9, 11761-11775	3.5	13
231	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
230	Online Rotor and Stator Resistance Estimation Based on Artificial Neural Network Applied in Sensorless Induction Motor Drive. <i>Energies</i> , 2020 , 13, 4946	3.1	12
229	4Nx Non-Isolated and Non-Inverting hybrid Interleaved Multilevel Boost Converter based on VLSI Cell and Cockcroft Walton voltage multiplier for renewable energy applications 2016 ,		12
228	A Simple Multilevel Space Vector Modulation Technique and MATLAB System Generator Built FPGA Implementation for Three-Level Neutral-Point Clamped Inverter. <i>Energies</i> , 2019 , 12, 4332	3.1	12
227	Microgrid Energy Management System With Embedded Deep Learning Forecaster and Combined Optimizer. <i>IEEE Access</i> , 2020 , 8, 202225-202239	3.5	11
226	Design and Analysis of Heavily Doped n+ Pocket Asymmetrical Junction-Less Double Gate MOSFET for Biomedical Applications. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2499	2.6	11
225	Module Based Floorplanning Methodology to Satisfy Voltage Island and Fixed Outline Constraints. <i>Electronics (Switzerland)</i> , 2018 , 7, 325	2.6	11
224	Combined Cluster Analysis and Global Power Quality Indices for the Qualitative Assessment of the Time-Varying Condition of Power Quality in an Electrical Power Network with Distributed Generation. <i>Energies</i> , 2020 , 13, 2050	3.1	10
223	Modeling of Five-Phase, Self-Excited Induction Generator for Wind Mill Application. <i>Electric Power Components and Systems</i> , 2018 , 46, 353-363	1	10
222	Modelling and Optimization in Microgrids. <i>Energies</i> , 2017 , 10, 523	3.1	10
221	Impact of Harmonic Currents of Nonlinear Loads on Power Quality of a Low Voltage Network Review and Case Study. <i>Energies</i> , 2021 , 14, 3665	3.1	10
220	Influence of Measurement Aggregation Algorithms on Power Quality Assessment and Correlation Analysis in Electrical Power Network with PV Power Plant. <i>Energies</i> , 2019 , 12, 3547	3.1	10
219	Operational planning steps in smart electric power delivery system. <i>Scientific Reports</i> , 2021 , 11, 17250	4.9	10
218	A hybrid decentralized stochastic-robust model for optimal coordination of electric vehicle aggregator and energy hub entities. <i>Applied Energy</i> , 2021 , 304, 117708	10.7	10
217	A medium-term hybrid IGDT-Robust optimization model for optimal self scheduling of multi-carrier energy systems. <i>Energy</i> , 2022 , 238, 121661	7.9	10

216	Design and Implementation of 31-Level Asymmetrical Inverter With Reduced Components. <i>IEEE Access</i> , 2021 , 9, 22788-22803	3.5	10
215	An improved sensorless sliding mode control/adaptive observer of a five-phase permanent magnet synchronous motor drive. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 93, 1029-1039	3.3	9
214	DC Grid for Domestic Electrification. <i>Energies</i> , 2019 , 12, 2157	3.1	9
213	Active Power Decoupling for Current Source Converters: An Overview Scenario. <i>Electronics (Switzerland)</i> , 2019 , 8, 197	2.6	9
212	Maximum Power Point Tracking Implementation by Dspace Controller Integrated Through Z-Source Inverter Using Particle Swarm Optimization Technique for Photovoltaic Applications. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 145	2.6	9
211	Frequency Splitting Elimination and Cross-Coupling Rejection of Wireless Power Transfer to Multiple Dynamic Receivers. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 179	2.6	9
210	Improving Microgrid Frequency Regulation Based on the Virtual Inertia Concept while Considering Communication System Delay. <i>Energies</i> , 2019 , 12, 2016	3.1	9
209	Analysis of supra-harmonics in smart grids 2017 ,		9
208	Comparative analysis of common MPPT techniques for solar PV system with soft switched, interleaved isolated converter 2017 ,		9
207	Modified SEPIC DC-to-DC boost converter with high output-gain configuration for renewable applications 2017 ,		9
206	Modified high voltage conversion inverting cuk DC-DC converter for renewable energy application 2017 ,		9
205	Error compensation in distance relays caused by wind power plants in the power grid. <i>Electric Power Systems Research</i> , 2014 , 106, 109-119	3.5	9
204	Time-Frequency Analysis of Complex Space Phasor in Power Electronics. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2007 , 56, 2395-2403	5.2	9
203	Advanced signal processing methods of harmonics and interharmonics estimation 2001 ,		9
202	Application of higher-order spectra for signal processing in electrical power engineering. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 1998 , 17, 602-611	0.7	9
201	Plant Disease Identification Using Shallow Convolutional Neural Network. <i>Agronomy</i> , 2021 , 11, 2388	3.6	9
200	Adaptive Neuro-Fuzzy Inference System-Based Maximum Power Tracking Controller for Variable Speed WECS. <i>Energies</i> , 2021 , 14, 6275	3.1	9
199	Low-order harmonics control in staircase waveform useful in high-power application by a novel technique. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2769	2.2	9

198	Deep Learning Methods for Classification of Certain Abnormalities in Echocardiography. <i>Electronics (Switzerland)</i> , 2021 , 10, 495	2.6	9
197	Rescheduling of Generators with Pumped Hydro Storage Units to Relieve Congestion Incorporating Flower Pollination Optimization. <i>Energies</i> , 2019 , 12, 1477	3.1	8
196	The Application of Hierarchical Clustering to Power Quality Measurements in an Electrical Power Network with Distributed Generation. <i>Energies</i> , 2020 , 13, 2407	3.1	8
195	Identification of Water Hammering for Centrifugal Pump Drive Systems. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2683	2.6	8
194	Development of Sliding Mode Controller for a Modified Boost π k Converter Configuration. <i>Energies</i> , 2017 , 10, 1513	3.1	8
193	Dermatologist-Level Classification of Skin Cancer Using Cascaded Ensembling of Convolutional Neural Network and Handcrafted Features Based Deep Neural Network. <i>IEEE Access</i> , 2022 , 1-1	3.5	8
192	Hybrid PIPSO-SQP Algorithm for Real Power Loss Minimization in Radial Distribution Systems with Optimal Placement of Distributed Generation. <i>Sustainability</i> , 2020 , 12, 5787	3.6	8
191	A Hybrid Supervised Machine Learning Classifier System for Breast Cancer Prognosis Using Feature Selection and Data Imbalance Handling Approaches. <i>Electronics (Switzerland)</i> , 2021 , 10, 699	2.6	8
190	Power Electronic Converter Configurations Integration with Hybrid Energy Sources \square A Comprehensive Review for State-of-the-Art in Research. <i>Electric Power Components and Systems</i> , 2019 , 47, 1623-1650	1	8
189	A two stage fault current limiter and directional overcurrent relay optimization for adaptive protection resetting using differential evolution multi-objective algorithm in presence of distributed generation. <i>Electric Power Systems Research</i> , 2021 , 190, 106844	3.5	8
188	Design and Implementation of a Single-Phase 15-Level Inverter With Reduced Components for Solar PV Applications. <i>IEEE Access</i> , 2021 , 9, 581-594	3.5	8
187	An Improved Multistage Switched Inductor Boost Converter (Improved M-SIBC) for Renewable Energy Applications: A key to Enhance Conversion Ratio 2018 ,		8
186	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
185	Optimal location of an electrical vehicle charging station in a local microgrid using an embedded hybrid optimizer. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 131, 106979	5.1	8
184	Electric Vehicle Charge Stations Location Analysis and Determination \square Ankara (Turkey) Case Study. <i>Energies</i> , 2019 , 12, 3472	3.1	7
183	Techno-Economic Optimization of Grid-Connected Photovoltaic (PV) and Battery Systems Based on Maximum Demand Reduction (MDRed) Modelling in Malaysia. <i>Energies</i> , 2019 , 12, 3531	3.1	7
182	Analysis of the Power Supply Restoration Time after Failures in Power Transmission Lines. <i>Energies</i> , 2020 , 13, 2736	3.1	7
181	Effective Management System for Solar PV Using Real-Time Data with Hybrid Energy Storage System. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1108	2.6	7

180	Mitigating the impact of distributed generation on directional overcurrent relay coordination by adaptive protection scheme 2016 ,		7
179	Transistor Clamped Five-Level Inverter using Non-Inverting Double Reference Single Carrier PWM Technique for photovoltaic applications 2017 ,		7
178	Comparative study of photovoltaic based power converter topologies for pumping applications 2017 ,		7
177	A modified high output-gain cuk converter circuit configuration for renewable applications [A comprehensive investigation 2017 ,		7
176	Real-Time Analysis of a Modified State Observer for Sensorless Induction Motor Drive Used in Electric Vehicle Applications. <i>Energies</i> , 2017 , 10, 1077	3.1	7
175	Analysis of non-stationary electric signals using the S-transform. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2009 , 28, 204-210	0.7	7
174	Modified incremental conductance MPPT algorithm for SPV-based grid-tied and stand-alone systems. <i>IET Generation, Transmission and Distribution</i> ,	2.5	7
173	Blockchain: Future of e-Governance in Smart Cities. <i>Sustainability</i> , 2021 , 13, 11840	3.6	7
172	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
171	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
170	Monitoring the Number and Duration of Power Outages and Voltage Deviations at Both Sides of Switching Devices. <i>IEEE Access</i> , 2020 , 8, 137174-137184	3.5	7
169	Extendable Switched-Capacitor Multilevel Inverter With Reduced Number of Components and Self-Balancing Capacitors. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 3154-3163	4.3	7
168	Insulation condition assessment of high-voltage rotating machines using hybrid techniques. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 171-180	2.5	6
167	Neural Network-Based Model Reference Adaptive System for Torque Ripple Reduction in Sensorless Poly Phase Induction Motor Drive. <i>Energies</i> , 2019 , 12, 920	3.1	6
166	Analysis of mathematical modeling of PV module with MPPT algorithm 2015 ,		6
165	Development of Stand-Alone Green Hybrid System for Rural Areas. <i>Sustainability</i> , 2020 , 12, 3808	3.6	6
164	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
163	Multistage switched inductor boost converter for renewable energy application 2017 ,		6

162	A Case Study on Power Quality in a Virtual Power Plant: Long Term Assessment and Global Index Application. <i>Energies</i> , 2020 , 13, 6578	3.1	6
161	High gain three-state switching hybrid boost converter for DC microgrid applications. <i>IET Power Electronics</i> , 2019 , 12, 3656-3667	2.2	6
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