

# Zbigniew Leonowicz

## 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.

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	High Efficiency Operation of Brushless DC Motor Drive using Optimized Harmonic Minimization based Switching Technique. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	2
322	A Heuristic Method to Calculate the Capacity of Residential PV-BESS in Providing Upward Flexibility Services in Energy Communities. <i>IEEE Access</i> , <b>2022</b> , 10, 2908-2928	3.5	1
321	Performance Evaluation of a MW-Size Grid-Connected Solar Photovoltaic Plant Considering the Impact of Tilt Angle. <i>Sustainability</i> , <b>2022</b> , 14, 1444	3.6	0
320	Frequency Improvement in Microgrids Through Battery Management System Control Supported by a Remedial Action Scheme. <i>IEEE Access</i> , <b>2022</b> , 10, 8081-8091	3.5	1
319	A max-min robust optimization model for multi-carrier energy systems integrated with power to gas storage system. <i>Journal of Energy Storage</i> , <b>2022</b> , 48, 103933	7.8	3
318	Emerging Intelligent Techniques for Energy Managements in Smart Cities <b>2022</b> , 1-205		
317	Dermatologist-Level Classification of Skin Cancer Using Cascaded Ensembling of Convolutional Neural Network and Handcrafted Features Based Deep Neural Network. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	8
316	Current Limitation Method for V / F Control of Five-Phase Induction Machines. <i>International Transactions on Electrical Energy Systems</i> , <b>2022</b> , 2022, 1-12	2.2	
315	An Enhanced Power Quality Single-Source Large Step-Up Switched-Capacitor Based Multi-Level Inverter Configuration with Natural Voltage Balancing of Capacitors <b>2022</b> , 307-338		0
314	A medium-term hybrid IGDT-Robust optimization model for optimal self scheduling of multi-carrier energy systems. <i>Energy</i> , <b>2022</b> , 238, 121661	7.9	10
313	Comprehensive Review of KY Converter Topologies, Modulation and Control Approaches With Their Applications. <i>IEEE Access</i> , <b>2022</b> , 10, 20978-20994	3.5	0
312	Brain Magnetic Resonance Imaging Classification Using Deep Learning Architectures with Gender and Age.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	2
311	Decreasing the Battery Recharge Time if Using a Fuzzy Based Power Management Loop for an Isolated Micro-Grid Farm. <i>Sustainability</i> , <b>2022</b> , 14, 2870	3.6	2
310	A hybrid distributed framework for optimal coordination of electric vehicle aggregators problem. <i>Energy</i> , <b>2022</b> , 249, 123674	7.9	0
309	Impact of stator slot geometry on the windage loss in a high-speed linear switched reluctance motor. <i>IET Electric Power Applications</i> , <b>2022</b> , 16, 447-462	1.8	0
308	Corrections to Design and Implementation of Seventeen Level Inverter With Reduced Components <i>IEEE Access</i> , <b>2022</b> , 10, 40214-40215	3.5	0
307	A Five Convolutional Layer Deep Convolutional Neural Network for Plant Leaf Disease Detection. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 1266	2.6	2

306	Efficient Multi-Phase Converter for E-Mobility. <i>World Electric Vehicle Journal</i> , <b>2022</b> , 13, 67	2.5	0
305	The role of EV based peer-to-peer transactive energy hubs in distribution network optimization. <i>Applied Energy</i> , <b>2022</b> , 319, 119267	10.7	0
304	Energy Management Strategies Involving Energy Storage in DC Microgrid <b>2022</b> , 121-157		1
303	Multilevel Converters and Applications <b>2022</b> , 229-324		
302	Optimal Operation of Microgrids with Demand-Side Management Based on a Combination of Genetic Algorithm and Artificial Bee Colony. <i>Sustainability</i> , <b>2022</b> , 14, 6759	3.6	1
301	Intelligent Scheduling of Smart Home Appliances Based on Demand Response Considering the Cost and Peak-to-Average Ratio in Residential Homes. <i>Energies</i> , <b>2021</b> , 14, 8510	3.1	3
300	Methods Improving Energy Efficiency of Photovoltaic Systems Operating under Partial Shading. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10696	2.6	2
299	Plant Disease Identification Using Shallow Convolutional Neural Network. <i>Agronomy</i> , <b>2021</b> , 11, 2388	3.6	9
298	Optimal Bilevel Operation-Planning Framework of Distributed Generation Hosting Capacity Considering Rival DISCO and EV Aggregator. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	3
297	Prosumer Energy Management For Optimal Utilization of Bid Fulfillment with EV Uncertainty Modeling. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	2
296	Adaptive Neuro-Fuzzy Inference System-Based Maximum Power Tracking Controller for Variable Speed WECS. <i>Energies</i> , <b>2021</b> , 14, 6275	3.1	9
295	Effect of Dynamic Bridging on Homogeneous Grain Movement in a Microwave Processing Zone. <i>Agronomy</i> , <b>2021</b> , 11, 2014	3.6	2
294	Simultaneous Long-Term Planning of Flexible Electric Vehicle Photovoltaic Charging Stations in Terms of Load Response and Technical and Economic Indicators. <i>World Electric Vehicle Journal</i> , <b>2021</b> , 12, 190	2.5	3
293	Blockchain: Future of e-Governance in Smart Cities. <i>Sustainability</i> , <b>2021</b> , 13, 11840	3.6	7
292	A low power and soft error resilience guard-gated Quatro-based flip-flop in 45 nm CMOS technology. <i>IET Circuits, Devices and Systems</i> , <b>2021</b> , 15, 571-580	1.1	
291	A Hybrid Supervised Machine Learning Classifier System for Breast Cancer Prognosis Using Feature Selection and Data Imbalance Handling Approaches. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 699	2.6	8
290	Binary-Quintuple Progression Based 12-Switch 25-Level Converter With Nearest Level Modulation Technique for Grid-Tied and Standalone Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 3214-3223	4.3	5
289	D-GENE-Based Discovery of Frequent Occupational Diseases among Female Home-Based Workers. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1230	2.6	

288	Impact of Harmonic Currents of Nonlinear Loads on Power Quality of a Low Voltage Network Review and Case Study. <i>Energies</i> , <b>2021</b> , 14, 3665	3.1	10
287	Identification of Plant-Leaf Diseases Using CNN and Transfer-Learning Approach. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1388	2.6	40
286	A multivariable transmission line protection scheme using signal processing techniques. <i>IET Generation, Transmission and Distribution</i> , <b>2021</b> , 15, 3115	2.5	2
285	Single-Phase Step-Up Switched-Capacitor-Based Multilevel Inverter Topology With SHEPWM. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 3107-3119	4.3	42
284	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
283	Recognition of Power Quality Issues Associated With Grid Integrated Solar Photovoltaic Plant in Experimental Framework. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 3740-3748	4.3	14
282	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> , <b>2021</b> , 190, 106844	3.5	8
281	Extendable Switched-Capacitor Multilevel Inverter With Reduced Number of Components and Self-Balancing Capacitors. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 3154-3163	4.3	7
280	Design and Implementation of Seventeen Level Inverter With Reduced Components. <i>IEEE Access</i> , <b>2021</b> , 9, 16746-16760	3.5	21
279	Design and Implementation of a Single-Phase 15-Level Inverter With Reduced Components for Solar PV Applications. <i>IEEE Access</i> , <b>2021</b> , 9, 581-594	3.5	8
278	Performance Assessment of Eight Switch Eleven Level Packed U Cell Converter under Dynamic Solar Photovoltaic Environment. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	0
277	Rule-Based Inferential System for Microgrid Energy Management System. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-10	4.3	0
276	Systematic Approach for State-of-the-Art Architectures and System-on-Chip Selection for Heterogeneous IoT Applications. <i>IEEE Access</i> , <b>2021</b> , 9, 25594-25622	3.5	6
275	. <i>IEEE Access</i> , <b>2021</b> , 9, 37456-37465	3.5	17
274	Elastic Damping Mechanism Optimization by Indefinite Lagrange Multipliers. <i>IEEE Access</i> , <b>2021</b> , 9, 71784-71804	3.5	1803
273	Protection Scheme using Wavelet-Alienation-Neural Technique for UPFC Compensated Transmission Line. <i>IEEE Access</i> , <b>2021</b> , 9, 13737-13753	3.5	5
272	Deep Learning Methods for Classification of Certain Abnormalities in Echocardiography. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 495	2.6	9
271	A Case Study on Data Mining Application in a Virtual Power Plant: Cluster Analysis of Power Quality Measurements. <i>Energies</i> , <b>2021</b> , 14, 974	3.1	3

270	A Case Study on a Hierarchical Clustering Application in a Virtual Power Plant: Detection of Specific Working Conditions from Power Quality Data. <i>Energies</i> , <b>2021</b> , 14, 907	3.1	1
269	Operational planning steps in smart electric power delivery system. <i>Scientific Reports</i> , <b>2021</b> , 11, 17250	4.9	10
268	Clustering Methods for Power Quality Measurements in Virtual Power Plant. <i>Energies</i> , <b>2021</b> , 14, 5902	3.1	2
267	Off-Grid Rural Electrification in India Using Renewable Energy Resources and Different Battery Technologies with a Dynamic Differential Annealed Optimization. <i>Energies</i> , <b>2021</b> , 14, 5866	3.1	0
266	Novel Protection Coordination Scheme for Active Distribution Networks. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2312	2.6	1
265	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> , <b>2021</b> , 131, 106979	5.1	8
264	A hybrid decentralized stochastic-robust model for optimal coordination of electric vehicle aggregator and energy hub entities. <i>Applied Energy</i> , <b>2021</b> , 304, 117708	10.7	10
263	A Comprehensive Review of Authentication Schemes in Vehicular Ad-Hoc Network. <i>IEEE Access</i> , <b>2021</b> , 9, 31309-31321	3.5	25
262	A Novel Asymmetrical 21-Level Inverter for Solar PV Energy System With Reduced Switch Count. <i>IEEE Access</i> , <b>2021</b> , 9, 11761-11775	3.5	13
261	Clustering Isolated Nodes to Enhance Network's Life Time of WSNs for IoT Applications. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-10	4.3	1
260	Leveraging a Genetic Algorithm for the Optimal Placement of Distributed Generation and the Need for Energy Management Strategies Using a Fuzzy Inference System. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 172	2.6	6
259	. <i>IEEE Access</i> , <b>2021</b> , 9, 88685-88698	3.5	2
258	Analysis of Earthquake Forecasting in India Using Supervised Machine Learning Classifiers. <i>Sustainability</i> , <b>2021</b> , 13, 971	3.6	2
257	Prediction of Chronic Kidney Disease - A Machine Learning Perspective. <i>IEEE Access</i> , <b>2021</b> , 9, 17312-17334	3.5	22
256	Design and Implementation of 31-Level Asymmetrical Inverter With Reduced Components. <i>IEEE Access</i> , <b>2021</b> , 9, 22788-22803	3.5	10
255	Harmonic mitigation and power quality improvement in utility grid with solar energy penetration using distribution static compensator. <i>IET Power Electronics</i> , <b>2021</b> , 14, 912-922	2.2	3
254	Political-Optimizer-Based Energy-Management System for Microgrids. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 3119	2.6	1
253	Genetic Algorithm Application in Distribution System Reconfiguration <b>2021</b> , 479-516		

252	Future Trends and Aging Analysis of Battery Energy Storage Systems for Electric Vehicles. <i>Sustainability</i> , <b>2021</b> , 13, 13779	3.6	3
251	Power Quality Mitigation in a Distribution Network Using a Battery Energy Storage System <b>2021</b> , 51-68		
250	. <i>IEEE Access</i> , <b>2020</b> , 8, 75163-75183	3.5	21
249	Signal Parameter Estimation and Classification Using Mixed Supervised and Unsupervised Machine Learning Approaches. <i>IEEE Access</i> , <b>2020</b> , 1-1	3.5	2
248	Torque Ripple and Loss Minimization of Trapezoidal Brushless DC Motor Drive by Harmonics Current Excitation Switching Technique <b>2020</b> ,		1
247	The Application of Hierarchical Clustering to Power Quality Measurements in an Electrical Power Network with Distributed Generation. <i>Energies</i> , <b>2020</b> , 13, 2407	3.1	8
246	Implementation of Designed PV Integrated Controlled Converter System. <i>IEEE Access</i> , <b>2020</b> , 8, 100905-100915	3.5	0
245	A Novel Sensorless Approach for Speed and Displacement Control of Bearingless Switched Reluctance Motor. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4070	2.6	0
244	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
243	Development of Stand-Alone Green Hybrid System for Rural Areas. <i>Sustainability</i> , <b>2020</b> , 12, 3808	3.6	6
242	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> , <b>2020</b> , 30, e12381	2.2	16
241	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> , <b>2020</b> , 13, 354	3.1	16
240	Analysis of the Power Supply Restoration Time after Failures in Power Transmission Lines. <i>Energies</i> , <b>2020</b> , 13, 2736	3.1	7
239	A Case Study on Distributed Energy Resources and Energy-Storage Systems in a Virtual Power Plant Concept: Technical Aspects. <i>Energies</i> , <b>2020</b> , 13, 3086	3.1	21
238	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
237	Realizing a Novel Friction Stir Processing-Enabled FWTPET Process for Strength Enhancement Using Firefly and PSO Methods. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
236	Effective Management System for Solar PV Using Real-Time Data with Hybrid Energy Storage System. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1108	2.6	7
235	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

234	A Modified High Voltage Gain Quasi-Impedance Source Coupled Inductor Multilevel Inverter for Photovoltaic Application. <i>Energies</i> , <b>2020</b> , 13, 874	3.1	16
233	Forecasting Solar PV Output Using Convolutional Neural Networks with a Sliding Window Algorithm. <i>Energies</i> , <b>2020</b> , 13, 723	3.1	26
232	Hybrid Power Plant with Storage System: University Research Station. <i>Periodica Polytechnica Electrical Engineering and Computer Science</i> , <b>2020</b> , 64, 47-52	1.2	0
231	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> , <b>2020</b> , 13, 40	3.1	31
230	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> , <b>2020</b> , 13, 2050	3.1	10
229	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
228	Identification of Water Hammering for Centrifugal Pump Drive Systems. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2683	2.6	8
227	Global Power Quality Index application in Virtual Power Plant <b>2020</b> ,		1
226	EK $\Gamma$ multilevel inverter $\Gamma$ 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
225	Flying capacitor voltage balance and neutral point voltage regulation of PV array fed active neutral point clamped converter in real-time HIL. <i>IET Power Electronics</i> , <b>2020</b> , 13, 2816-2823	2.2	1
224	Modified SPWM technique for improved harmonic performance of single PV array fed grid-tied five-level converter. <i>IET Power Electronics</i> , <b>2020</b> , 13, 4498-4506	2.2	1
223	A Large-Gain Continuous Input-Current DC-DC Converter Applicable for Solar Energy Systems <b>2020</b> , 345-367		0
222	Modified demagnetisation control strategy for low-voltage ride-through enhancement in DFIG-based wind systems. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 3487-3499	2.9	1
221	A Solar EnergyBased Multi-Level Inverter Structure with Enhanced Output-Voltage Quality and Increased Levels per Components <b>2020</b> , 469-493		0
220	A Developed Large Boosting Factor DC-DC Converter Feasible for Photovoltaic Applications <b>2020</b> , 515-548		1
219	Theoretical Analysis of Torque Ripple Reduction in the SPMSM Drives Using PWM Control-Based Variable Switching Frequency <b>2020</b> , 11-426		
218	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
217	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

216	Design and prototyping of single-phase shunt active power filter for harmonics elimination using model predictive current control. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 30, e12231 <sup>2,2</sup>	2
215	Design and implementation of a novel asymmetrical multilevel inverter optimal hardware components. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 30, e12201	2.2 16
214	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
213	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
212	Online Rotor and Stator Resistance Estimation Based on Artificial Neural Network Applied in Sensorless Induction Motor Drive. <i>Energies</i> , <b>2020</b> , 13, 4946	3.1 12
211	Design and Implementation of Multilevel Inverters for Fuel Cell Energy Conversion System. <i>IEEE Access</i> , <b>2020</b> , 8, 183690-183707	3.5 25
210	A New Multilevel Inverter Topology With Reduced Power Components for Domestic Solar PV Applications. <i>IEEE Access</i> , <b>2020</b> , 8, 187483-187497	3.5 22
209	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
208	A Single-Source High-Gain Switched-Capacitor Multilevel Inverter with Inherent Voltage Balancing <b>2020</b> ,	2
207	Two-Tier Converter: A New Structure of High Gain DC-DC Converter with Reduced Voltage Stress <b>2020</b> ,	2
206	Novel Non-Isolated Quad-Switched Inductor Double-Switch Converter for DC Microgrid Application <b>2020</b> ,	4
205	Hybrid PIPSO-SQP Algorithm for Real Power Loss Minimization in Radial Distribution Systems with Optimal Placement of Distributed Generation. <i>Sustainability</i> , <b>2020</b> , 12, 5787	3.6 8
204	Monitoring the Number and Duration of Power Outages and Voltage Deviations at Both Sides of Switching Devices. <i>IEEE Access</i> , <b>2020</b> , 8, 137174-137184	3.5 7
203	Comparative Study of Cavitation Problem Detection in Pumping System Using SVM and K-Nearest Neighbour Method <b>2020</b> ,	2
202	Harmonics Mitigation in Industrial Sector by using Space Vector PWM and Shunt Active Power Filter <b>2020</b> ,	3
201	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
200	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
199	New CUK/SEPIC 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

198	A Voltage Based Technique Using Combined Features of Stockwell Transform and Hilbert Transform for Detection of Islanding Events <b>2020</b> ,			1
197	Energy Coordination of EV for Optimal Utilization in Smart Grid based on Uncertainty Modelling <b>2020</b> ,			1
196	Power Loss Analysis of Solar Photovoltaic Integrated Model Predictive Control Based On-Grid Inverter. <i>Energies</i> , <b>2020</b> , 13, 4669	3.1		4
195	Small-Signal Modelling Analysis of Three-Phase Power Converters for EV Applications <b>2020</b> , 77-101			
194	Microgrid Energy Management System With Embedded Deep Learning Forecaster and Combined Optimizer. <i>IEEE Access</i> , <b>2020</b> , 8, 202225-202239	3.5		11
193	A Case Study on Power Quality in a Virtual Power Plant: Long Term Assessment and Global Index Application. <i>Energies</i> , <b>2020</b> , 13, 6578	3.1		6
192	A Case Study on Battery Energy Storage System in a Virtual Power Plant: Defining Charging and Discharging Characteristics. <i>Energies</i> , <b>2020</b> , 13, 6670	3.1		5
191	A New Approach Newton-Raphson Load Flow Analysis in Power System Networks with STATCOM. <i>Lecture Notes in Electrical Engineering</i> , <b>2020</b> , 88-100	0.2		0
190	Closed-Loop Control and Boundary for CCM and DCM of Nonisolated Inverting N <sup>2</sup> 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
189	Design and Analysis of Heavily Doped n <sup>+</sup> Pocket Asymmetrical Junction-Less Double Gate MOSFET for Biomedical Applications. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2499	2.6		11
188	Photovoltaic-Based Switched-Capacitor Multi-Level Inverters with Self-Voltage Balancing and Step-Up Capabilities <b>2020</b> , 549-582			2
187	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
186	A Review on Optimization and Control Methods Used to Provide Transient Stability in Microgrids. <i>Energies</i> , <b>2019</b> , 12, 3582	3.1		22
185	Full Bridge LLC Resonant Three-Phase Interleaved Multi Converter For HV Applications <b>2019</b> ,			2
184	Quazi Z-Source Single Stage High Step-Up DC-DC Converter for Grid-connected PV Application <b>2019</b> ,			3
183	Electric Vehicle Charge Stations Location Analysis and DeterminationAnkara (Turkey) Case Study. <i>Energies</i> , <b>2019</b> , 12, 3472	3.1		7
182	Techno-Economic Optimization of Grid-Connected Photovoltaic (PV) and Battery Systems Based on Maximum Demand Reduction (MDRed) Modelling in Malaysia. <i>Energies</i> , <b>2019</b> , 12, 3531	3.1		7
181	An Ant Colony Optimized MPPT for Standalone Hybrid PV-Wind Power System with Single Cuk Converter. <i>Energies</i> , <b>2019</b> , 12, 167	3.1		70

180	Insulation condition assessment of high-voltage rotating machines using hybrid techniques. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 171-180	2.5	6
179	Critical Review of PV Grid-Tied Inverters. <i>Energies</i> , <b>2019</b> , 12, 1921	3.1	22
178	Large Scale Renewable Energy Integration: Issues and Solutions. <i>Energies</i> , <b>2019</b> , 12, 1996	3.1	29
177	DC Grid for Domestic Electrification. <i>Energies</i> , <b>2019</b> , 12, 2157	3.1	9
176	Rescheduling of Generators with Pumped Hydro Storage Units to Relieve Congestion Incorporating Flower Pollination Optimization. <i>Energies</i> , <b>2019</b> , 12, 1477	3.1	8
175	Lyapunov Based Reference Model of Tension Control in a Continuous Strip Processing Line with Multi-Motor Drive. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 60	2.6	4
174	Nature-Inspired MPPT Algorithms for Partially Shaded PV Systems: A Comparative Study. <i>Energies</i> , <b>2019</b> , 12, 1451	3.1	25
173	Systematic Implementation of Multi-Phase Power Supply (Three to Six) Conversion System. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 109	2.6	4
172	Neural Network-Based Model Reference Adaptive System for Torque Ripple Reduction in Sensorless Poly Phase Induction Motor Drive. <i>Energies</i> , <b>2019</b> , 12, 920	3.1	6
171	Analysis of Numerical Methods to Include Dynamic Constraints in an Optimal Power Flow Model. <i>Energies</i> , <b>2019</b> , 12, 885	3.1	1
170	Experimental Investigation of Power Signatures for Cavitation and Water Hammer in an Industrial Parallel Pumping System. <i>Energies</i> , <b>2019</b> , 12, 1351	3.1	4
169	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
168	Photovoltaic Integrated Hybrid Microgrid Structured Electric Vehicle Charging Station and Its Energy Management Approach. <i>Energies</i> , <b>2019</b> , 12, 168	3.1	48
167	Control Strategies of Mitigating Dead-time Effect on Power Converters: An Overview. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 196	2.6	16
166	Active Power Decoupling for Current Source Converters: An Overview Scenario. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 197	2.6	9
165	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
164	<b>2019</b> ,		3
163	A Novel High Gain Configurations of Modified SEPIC Converter for Renewable Energy Applications <b>2019</b> ,		1

162	Distribution of the Strip Tensions with Slip Control in Strip Processing Lines. <i>Energies</i> , <b>2019</b> , 12, 3010	3.1	2
161	Novel immense configurations of boost converter for renewable energy application. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 4884-4889	0.7	1
160	Economic Analysis of HRES Systems with Energy Storage During Grid Interruptions and Curtailment in Tamil Nadu, India: A Hybrid RBFNOEHO Technique. <i>Energies</i> , <b>2019</b> , 12, 3047	3.1	0
159	. <i>IEEE Access</i> , <b>2019</b> , 7, 103377-103389	3.5	51
158	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
157	Multiple Modulation Strategy of Flying Capacitor DC/DC Converter. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 774	2.6	2
156	Improving Microgrid Frequency Regulation Based on the Virtual Inertia Concept while Considering Communication System Delay. <i>Energies</i> , <b>2019</b> , 12, 2016	3.1	9
155	Performance Analysis of Single-Phase Electrical Machine for Military Applications. <i>Energies</i> , <b>2019</b> , 12, 2285	3.1	2
154	Conducted Electromagnetic Interference Spectral Peak Mitigation in Luo-Converter Using FPGA-Based Chaotic PWM Technique. <i>Electric Power Components and Systems</i> , <b>2019</b> , 47, 838-848	1	4
153	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
152	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
151	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
150	Investigation for Performances Comparison PI, Adaptive PI, Fuzzy Speed Control Induction Motor for Centrifugal Pumping Application <b>2019</b> ,		5
149	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
148	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
147	Methods for Assessment of Supraharmonics in Power Systems. Part I: Theoretical Issues <b>2019</b> ,		1
146	Internet of Things Applications as Energy Internet in Smart Grids and Smart Environments. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 972	2.6	45
145	Small Signal Stability with the Householder Method in Power Systems. <i>Energies</i> , <b>2019</b> , 12, 3412	3.1	0

144	Influence of Measurement Aggregation Algorithms on Power Quality Assessment and Correlation Analysis in Electrical Power Network with PV Power Plant. <i>Energies</i> , <b>2019</b> , 12, 3547	3.1	10
143	A Case Study on Distributed Energy Resources and Energy-Storage Systems in a Virtual Power Plant Concept: Economic Aspects. <i>Energies</i> , <b>2019</b> , 12, 4447	3.1	26
142	Simulation Analysis of a Nearest Level Modulation Scheme for Cross-Connected Sources based MLI <b>2019</b> ,		2
141	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
140	A guide to Nearest Level Modulation and Selective Harmonics Elimination modulation scheme for multilevel inverters <b>2019</b> ,		4
139	Power Electronic Converter Configurations Integration with Hybrid Energy Sources [A Comprehensive Review for State-of-the-Art in Research. <i>Electric Power Components and Systems</i> , <b>2019</b> , 47, 1623-1650	1	8
138	Digital Application of Second Order Generalized Integrator Based Grid Estimator Under Unbalanced and Distorted Voltage Conditions. <i>Electric Power Components and Systems</i> , <b>2019</b> , 47, 1464-1474	1.4	0
137	Estimation of Energy Activity and Flexibility Range in Smart Active Residential Building. <i>Smart Cities</i> , <b>2019</b> , 2, 471-495	3.3	3
136	A Simple Multilevel Space Vector Modulation Technique and MATLAB System Generator Built FPGA Implementation for Three-Level Neutral-Point Clamped Inverter. <i>Energies</i> , <b>2019</b> , 12, 4332	3.1	12
135	Location-Based Optimized Service Selection for Data Management with Cloud Computing in Smart Grids. <i>Energies</i> , <b>2019</b> , 12, 4517	3.1	3
134	. <i>IEEE Access</i> , <b>2019</b> , 7, 10467-10477	3.5	81
133	Modeling and analysis of complex dynamics for dSPACE controlled closed-loop DC-DC boost converter. <i>International Transactions on Electrical Energy Systems</i> , <b>2019</b> , 29, e2813	2.2	18
132	A sociocultural study on solar photovoltaic energy system in India: Stratification and policy implication. <i>Journal of Cleaner Production</i> , <b>2019</b> , 216, 461-481	10.3	40
131	Low-order harmonics control in staircase waveform useful in high-power application by a novel technique. <i>International Transactions on Electrical Energy Systems</i> , <b>2019</b> , 29, e2769	2.2	9
130	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> , <b>2019</b> , 13, 1861-1874	4.3	67
129	Modeling of Five-Phase, Self-Excited Induction Generator for Wind Mill Application. <i>Electric Power Components and Systems</i> , <b>2018</b> , 46, 353-363	1	10
128	Investigation and Comparative Analysis of Advanced PWM Techniques for Three-Phase Three-Level NPC-MLI Drives. <i>Electric Power Components and Systems</i> , <b>2018</b> , 46, 258-269	1	17
127	Analysis and Mitigation of Power Quality Issues in Distributed Generation Systems Using Custom Power Devices. <i>IEEE Access</i> , <b>2018</b> , 6, 16816-16833	3.5	114

126	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> , <b>2018</b> , 8, 145	2.6	9
125	Frequency Splitting Elimination and Cross-Coupling Rejection of Wireless Power Transfer to Multiple Dynamic Receivers. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 179	2.6	9
124	Energy Management Strategy for Rural CommunitiesDC Micro Grid Power System Structure with Maximum Penetration of Renewable Energy Sources. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 585	2.6	30
123	Extended Kalman Filter Based Sliding Mode Control of Parallel-Connected Two Five-Phase PMSM Drive System. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 14	2.6	16
122	Neural Network Based Maximum Power Point Tracking Control with Quadratic Boost Converter for PMSGWind Energy Conversion System. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 20	2.6	20
121	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
120	Boundary Detection and Enhancement Strategy for Power System Bus Bar StabilizationInvestigation under Fault Conditions for Islanding Operation. <i>Energies</i> , <b>2018</b> , 11, 889	3.1	5
119	Maximum Power Point Tracking for Brushless DC Motor-Driven Photovoltaic Pumping Systems Using a Hybrid ANFIS-FLOWER Pollination Optimization Algorithm. <i>Energies</i> , <b>2018</b> , 11, 1067	3.1	32
118	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
117	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
116	A novel multilevel high gain modified SEPIC DC-to-DC converter for high voltage/low current renewable energy applications <b>2018</b> ,		4
115	Hybrid PV-Wind, Micro-Grid Development Using Quasi-Z-Source Inverter Modeling and ControlExperimental Investigation. <i>Energies</i> , <b>2018</b> , 11, 2277	3.1	15
114	<b>2018</b> ,		2
113	Meter Placement in Power System NetworkA Comprehensive Review, Analysis and Methodology. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 329	2.6	3
112	Technical Constraints of Integrating Net Energy Metering from the Malaysian Perspective <b>2018</b> ,		1
111	An ANFIS Artificial Technique Based Maximum Power Tracker for Standalone Photovoltaic Power Generation <b>2018</b> ,		1
110	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
109	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

108	Feedforward Finite Control Set Model Predictive Position Control of PMSM <b>2018</b> ,		3
107	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
106	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
105	An Improved Multistage Switched Inductor Boost Converter (Improved M-SIBC) for Renewable Energy Applications: A key to Enhance Conversion Ratio <b>2018</b> ,		8
104	Transistor-Clamped Multilevel H-Bridge Inverter in Si and SiC Hybrid Configuration for High-Efficiency Photovoltaic Applications <b>2018</b> ,		6
103	Module Based Floorplanning Methodology to Satisfy Voltage Island and Fixed Outline Constraints. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 325	2.6	11
102	Reliability Evaluation of the Distribution Systems Using Analytical Technique <b>2018</b> ,		1
101	Centrifugal Pump Cavitation Detection Using Machine Learning Algorithm Technique <b>2018</b> ,		3
100	Advanced Solar Energy Systems with Thermoelectric Generators <b>2018</b> ,		2
99	<b>2018</b> ,		1
98	Protection Coordination of Properly Sized and Placed Distributed Generations Methods, Applications and Future Scope. <i>Energies</i> , <b>2018</b> , 11, 2672	3.1	19
97	<b>2018</b> ,		1
96	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
95	A Multifunctional Dynamic Voltage Restorer for Power Quality Improvement. <i>Energies</i> , <b>2018</b> , 11, 1351	3.1	17
94	An Overview of Energy Scenarios, Storage Systems and the Infrastructure for Vehicle-to-Grid Technology. <i>Energies</i> , <b>2018</b> , 11, 2174	3.1	19
93	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> , <b>2017</b> , 53, 5217-5228	4.3	62
92	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> , <b>2017</b> , 93, 1029-1039	3.3	9
91	High-Voltage DC-DC Converter Topology for PV Energy Utilization Investigation and Implementation. <i>Electric Power Components and Systems</i> , <b>2017</b> , 45, 221-232	1	19

90	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> , <b>2017</b> , 5, 20494-20503	3.5	51
89	Recent Developments of Photovoltaics Integrated with Battery Storage Systems and Related Feed-In Tariff Policies: A Review. <i>International Journal of Photoenergy</i> , <b>2017</b> , 2017, 1-12	2.1	15
88	Solar Energy and PV Systems in Smart Cities. <i>International Journal of Photoenergy</i> , <b>2017</b> , 2017, 1-2	2.1	2
87	Class E Power Amplifier Design and Optimization for the Capacitive Coupled Wireless Power Transfer System in Biomedical Implants. <i>Energies</i> , <b>2017</b> , 10, 1409	3.1	17
86	Power Balancing Control for Grid Energy Storage System in Photovoltaic Applications Real Time Digital Simulation Implementation. <i>Energies</i> , <b>2017</b> , 10, 928	3.1	29
85	Characterization of a power line cable for channel frequency response [Analysis and investigation <b>2017</b> ,		2
84	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> , <b>2017</b> , 10, 1757	3.1	0
83	Analysis of supra-harmonics in smart grids <b>2017</b> ,		9
82	Coordinated DTC and VOC control for PMSG based grid connected wind energy conversion system <b>2017</b> ,		1
81	Realization of 5-bus system using soft computing technique for flexible alternating current transmission system (FACTS) devices <b>2017</b> ,		3
80	<b>2017</b> ,		3
79	Optimisation of hybrid renewable energy system using iterative filter selection approach. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 1440-1445	2.9	16
78	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> , <b>2017</b> , 5, 25158-25170	3.5	21
77	Analysis and simulation of causes of voltage sags using EMTP <b>2017</b> ,		3
76	Investigating the effects of selecting different slack bus on power systems <b>2017</b> ,		1
75	Comparative analysis of common MPPT techniques for solar PV system with soft switched, interleaved isolated converter <b>2017</b> ,		9
74	Transistor Clamped Five-Level Inverter using Non-Inverting Double Reference Single Carrier PWM Technique for photovoltaic applications <b>2017</b> ,		7
73	Analysis and modeling of STATCOM for regulate the voltage in power systems <b>2017</b> ,		4

72	Comparative study of photovoltaic based power converter topologies for pumping applications <b>2017</b> ,		7
71	Modified SEPIC DC-to-DC boost converter with high output-gain configuration for renewable applications <b>2017</b> ,		9
70	A modified high output-gain cuk converter circuit configuration for renewable applications A comprehensive investigation <b>2017</b> ,		7
69	Analysis of high voltage-gain hybrid DC-DC power converter with RBFN based MPPT for renewable photovoltaic applications <b>2017</b> ,		2
68	A high gain modified SEPIC DC-to-DC boost converter for renewable energy application <b>2017</b> ,		5
67	Modified boost with switched inductor different configurational structures for DC-DC converter for renewable application <b>2017</b> ,		5
66	Modified high voltage conversion inverting cuk DC-DC converter for renewable energy application <b>2017</b> ,		9
65	Multistage switched inductor boost converter for renewable energy application <b>2017</b> ,		6
64	An efficient flux weakening control strategy of a speed controlled permanent magnet synchronous motor drive for light electric vehicle applications <b>2017</b> ,		2
63	Sliding Mode Controller and Lyapunov Redesign Controller to Improve Microgrid Stability: A Comparative Analysis with CPL Power Variation. <i>Energies</i> , <b>2017</b> , 10, 1959	3.1	15
62	Real-Time Forecasting of EV Charging Station Scheduling for Smart Energy Systems. <i>Energies</i> , <b>2017</b> , 10, 377	3.1	35
61	Modelling and Optimization in Microgrids. <i>Energies</i> , <b>2017</b> , 10, 523	3.1	10
60	A Multistage DC-DC Step-Up Self-Balanced and Magnetic Component-Free Converter for Photovoltaic Applications: Hardware Implementation. <i>Energies</i> , <b>2017</b> , 10, 719	3.1	36
59	Grid Synchronization of a Seven-Phase Wind Electric Generator Using d-q PLL. <i>Energies</i> , <b>2017</b> , 10, 926	3.1	15
58	Control Strategy for a Grid-Connected Inverter under Unbalanced Network Conditions A Disturbance Observer-Based Decoupled Current Approach. <i>Energies</i> , <b>2017</b> , 10, 1067	3.1	16
57	Real-Time Analysis of a Modified State Observer for Sensorless Induction Motor Drive Used in Electric Vehicle Applications. <i>Energies</i> , <b>2017</b> , 10, 1077	3.1	7
56	Investigation on the Development of a Sliding Mode Controller for Constant Power Loads in Microgrids. <i>Energies</i> , <b>2017</b> , 10, 1086	3.1	21
55	A Comprehensive Study of Key Electric Vehicle (EV) Components, Technologies, Challenges, Impacts, and Future Direction of Development. <i>Energies</i> , <b>2017</b> , 10, 1217	3.1	234

54	Study and Analysis of an Intelligent Microgrid Energy Management Solution with Distributed Energy Sources. <i>Energies</i> , <b>2017</b> , 10, 1419	3.1	26
53	Coordinated Control Strategies for a Permanent Magnet Synchronous Generator Based Wind Energy Conversion System. <i>Energies</i> , <b>2017</b> , 10, 1493	3.1	17
52	Development of Sliding Mode Controller for a Modified Boost Ćk Converter Configuration. <i>Energies</i> , <b>2017</b> , 10, 1513	3.1	8
51	Constant Power Loads (CPL) with Microgrids: Problem Definition, Stability Analysis and Compensation Techniques. <i>Energies</i> , <b>2017</b> , 10, 1656	3.1	53
50	Minimization of Load Variance in Power Grids Investigation on Optimal Vehicle-to-Grid Scheduling. <i>Energies</i> , <b>2017</b> , 10, 1880	3.1	24
49	Grid-Tied Photovoltaic and Battery Storage Systems with Malaysian Electricity Tariff A Review on Maximum Demand Shaving. <i>Energies</i> , <b>2017</b> , 10, 1884	3.1	27
48	A hexagonal hysteresis space vector current controller for single Z-source network multilevel inverter with capacitor balancing <b>2017</b> ,		1
47	Optimal sizing of renewable energy plant-storage system for network support <b>2016</b> ,		1
46	Mitigating the impact of distributed generation on directional overcurrent relay coordination by adaptive protection scheme <b>2016</b> ,		7
45	Heuristic Storage System Sizing for Optimal Operation of Electric Vehicles Powered by Photovoltaic Charging Station. <i>International Journal of Photoenergy</i> , <b>2016</b> , 2016, 1-12	2.1	5
44	Power Quality Improvement and LVRT Capability Enhancement of Wind Farms by Means of an Inductive Filtering Method. <i>Energies</i> , <b>2016</b> , 9, 302	3.1	3
43	An Increase of a Down-Hole Nuclear Magnetic Resonance Tool Reliability and Accuracy by the Cancellation of a Multi-Module DC/AC Converter Output Higher Harmonics. <i>IEEE Access</i> , <b>2016</b> , 4, 7912-7920	3.5	1
42	Component modelling for microgrids <b>2016</b> ,		3
41	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
40	Analysis of mathematical modeling of PV module with MPPT algorithm <b>2015</b> ,		6
39	Wide-area system of registration and processing of power quality data in power grid with distributed generation: Part II. Localization and tracking of the sources of disturbances <b>2014</b> ,		2
38	Analysis of SDFT based phase detection system for grid synchronization of distributed generation systems <b>2014</b> , 17, 270-278		16
37	Wide-area system of registration and processing of power quality data in power grid with distributed generation: Part I. System description, functional tests and synchronous recordings <b>2014</b> ,		2

36	Error compensation in distance relays caused by wind power plants in the power grid. <i>Electric Power Systems Research</i> , <b>2014</b> , 106, 109-119	3.5	9
35	Application of the Prony method for compensation of errors in distance relays <b>2013</b> ,		2
34	Impact of characteristics of block-transformers on inrush currents and voltage distortions at the connection point of wind parks <b>2012</b> ,		1
33	Condition monitoring & fault diagnosis system for Offshore Wind Turbines <b>2012</b> ,		5
32	<b>2012</b> ,		21
31	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> , <b>2012</b> , 42, 208-219	5.1	41
30	Reliability analysis of electric distribution system <b>2011</b> ,		1
29	LMI-based robust wide-area time-delay damping control of SSSC-type FACTS device for stability enhancement of power system <b>2010</b> ,		1
28	Analysis of sub-harmonics in power systems <b>2010</b> ,		5
27	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> , <b>2009</b> , 28, 204-210	0.7	7
26	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2008</b> , 57, 672-681	5.2	46
25	TimeFrequency Analysis of Complex Space Phasor in Power Electronics. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2007</b> , 56, 2395-2403	5.2	9
24	Parametric Spectral Estimation for Power Quality Assessment <b>2007</b> ,		5
23	High-resolution spectrum-estimation methods for signal analysis in power systems. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2006</b> , 55, 219-225	5.2	62
22	Analysis of Traction System Time-Varying Signals using ESPRIT Subspace Spectrum Estimation Method. <i>Industrial Electronics Society (IECON), Annual Conference of IEEE</i> , <b>2006</b> ,		2
21	Power Quality Evaluation using Advanced Spectrum Estimation Methods <b>2006</b> ,		5
20	<b>2006</b> ,		4
19	EEG filtering based on blind source separation (BSS) for early detection of Alzheimer's disease. <i>Clinical Neurophysiology</i> , <b>2005</b> , 116, 729-37	4.3	103

18	Independent variable selection: Application of independent component analysis to forecasting a stock index. <i>Journal of Asset Management</i> , <b>2005</b> , 6, 248-258	1.1	
17	Trimmed estimators for robust averaging of event-related potentials. <i>Journal of Neuroscience Methods</i> , <b>2005</b> , 142, 17-26	3	4 <sup>8</sup>
16	Analysis of non-stationary signals in power systems. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2004</b> , 23, 381-391	0.7	2
15	Advanced spectrum estimation methods for signal analysis in power electronics. <i>IEEE Transactions on Industrial Electronics</i> , <b>2003</b> , 50, 514-519	8.9	102
14	TIME-FREQUENCY ANALYSIS OF NON-STATIONARY THREE PHASE SIGNALS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2002</b> , 35, 317-321		
13	Advanced signal processing methods of harmonics and interharmonics estimation <b>2001</b> ,		9
12	Advanced Signal Processing Methods of Harmonic Analysis in Power Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2000</b> , 33, 147-152		1
11	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> , <b>1998</b> , 17, 602-611	0.7	9
10	On some spectrum estimation methods for analysis of nonstationary signals in power systems. Part I. Theoretical aspects		4
9			2
8	Application of time-frequency distribution and neural networks for fault classification in power electronics		2
7	Harmonics and interharmonics estimation using advanced signal processing methods		18
6	A Power-Efficient Multichannel Low-Pass Filter Based on the Cascaded Multiple Accumulate Finite Impulse Response (CMFIR) Structure for Digital Image Processing. <i>Circuits, Systems, and Signal Processing</i> ,1	2.2	0
5	Modified incremental conductance MPPT algorithm for SPV-based grid-tied and stand-alone systems. <i>IET Generation, Transmission and Distribution</i> ,	2.5	7
4	GMPPT Algorithm Based Maximum Power Tracking under Dynamic Weather Conditions Employing Krill-Herd Technique. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-17	1.6	
3	Design and Implementation of Asymmetric Cascaded Multilevel Inverter with Optimal Components. <i>Electric Power Components and Systems</i> ,1-14	1	3
2	Capacity-based optimization using whale optimization technique of a power distribution network. <i>Engineering Reports</i> ,e12455	1.2	
1	Determination of Power Transformers Health Index Using Parameters Affecting the Transformer's Life. <i>IETE Journal of Research</i> ,1-22	0.9	1

