

Zbigniew Leonowicz

List of Publications by Year in descending order

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386
papers

8,570
citations

57758

44
h-index

82547

72
g-index

401
all docs

401
docs citations

401
times ranked

5333
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Power Transformers Health Index Using Parameters Affecting the Transformer's Life. IETE Journal of Research, 2023, 69, 8467-8488.	2.6	13
2	Performance Assessment of Eight-Switch 11-Level Packed U Cell Converter Under Dynamic Solar Photovoltaic Environment. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3851-3860.	5.4	2
3	Rule-Based Inferential System for Microgrid Energy Management System. IEEE Systems Journal, 2022, 16, 1582-1591.	4.6	11
4	A medium-term hybrid IGDT-Robust optimization model for optimal self scheduling of multi-carrier energy systems. Energy, 2022, 238, 121661.	8.8	26
5	Prosumer Energy Management for Optimal Utilization of Bid Fulfillment With EV Uncertainty Modeling. IEEE Transactions on Industry Applications, 2022, 58, 599-611.	4.9	9
6	Modified incremental conductance MPPT algorithm for SPV-based grid-tied and stand-alone systems. IET Generation, Transmission and Distribution, 2022, 16, 776-791.	2.5	30
7	Line start synchronous reluctance motor with improved power factor for agriculture electric pump applications. Journal of Engineering, 2022, 2022, 295-310.	1.1	3
8	Optimal Bilevel Operation-Planning Framework of Distributed Generation Hosting Capacity Considering Rival DISCO and EV Aggregator. IEEE Systems Journal, 2022, 16, 5023-5034.	4.6	11
9	High Efficiency Operation of Brushless DC Motor Drive Using Optimized Harmonic Minimization Based Switching Technique. IEEE Transactions on Industry Applications, 2022, 58, 2122-2133.	4.9	7
10	A Heuristic Method to Calculate the Capacity of Residential PV-BESS in Providing Upward Flexibility Services in Energy Communities. IEEE Access, 2022, 10, 2908-2928.	4.2	3
11	Performance Evaluation of a MW-Size Grid-Connected Solar Photovoltaic Plant Considering the Impact of Tilt Angle. Sustainability, 2022, 14, 1444.	3.2	6
12	Frequency Improvement in Microgrids Through Battery Management System Control Supported by a Remedial Action Scheme. IEEE Access, 2022, 10, 8081-8091.	4.2	6
13	A max-min robust optimization model for multi-carrier energy systems integrated with power to gas storage system. Journal of Energy Storage, 2022, 48, 103933.	8.1	26
14	Emerging Intelligent Techniques for Energy Managements in Smart Cities. , 2022, , 1-205.		0
15	Dermatologist-Level Classification of Skin Cancer Using Cascaded Ensembling of Convolutional Neural Network and Handcrafted Features Based Deep Neural Network. IEEE Access, 2022, 10, 17920-17932.	4.2	53
16	Current Limitation Method for V Control of Five-Phase Induction Machines. International Transactions on Electrical Energy Systems, 2022, 2022, 1-12.	1.9	1
17	A Power-Efficient Multichannel Low-Pass Filter Based on the Cascaded Multiple Accumulate Finite Impulse Response (CMFIR) Structure for Digital Image Processing. Circuits, Systems, and Signal Processing, 2022, 41, 3864-3881.	2.0	2
18	Comprehensive Review of KY Converter Topologies, Modulation and Control Approaches With Their Applications. IEEE Access, 2022, 10, 20978-20994.	4.2	1

#	ARTICLE	IF	CITATIONS
19	Brain Magnetic Resonance Imaging Classification Using Deep Learning Architectures with Gender and Age. Sensors, 2022, 22, 1766.	3.8	25
20	Machine Learning and Data Mining Applications in Power Systems. Energies, 2022, 15, 1676.	3.1	3
21	Decreasing the Battery Recharge Time if Using a Fuzzy Based Power Management Loop for an Isolated Micro-Grid Farm. Sustainability, 2022, 14, 2870.	3.2	10
22	A hybrid distributed framework for optimal coordination of electric vehicle aggregators problem. Energy, 2022, 249, 123674.	8.8	9
23	Impact of stator slot geometry on the windage loss in a high-speed linear switched reluctance motor. IET Electric Power Applications, 2022, 16, 447-462.	1.8	3
24	Corrections to "Design and Implementation of Seventeen Level Inverter With Reduced Components". IEEE Access, 2022, 10, 40214-40215.	4.2	2
25	A Social Network Analysis Approach to COVID-19 Community Detection Techniques. International Journal of Environmental Research and Public Health, 2022, 19, 3791.	2.6	5
26	A Five Convolutional Layer Deep Convolutional Neural Network for Plant Leaf Disease Detection. Electronics (Switzerland), 2022, 11, 1266.	3.1	29
27	Efficient Multi-Phase Converter for E-Mobility. World Electric Vehicle Journal, 2022, 13, 67.	3.0	7
28	The role of EV based peer-to-peer transactive energy hubs in distribution network optimization. Applied Energy, 2022, 319, 119267.	10.1	9
29	Optimal instantaneous prediction of voltage instability due to transient faults in power networks taking into account the dynamic effect of generators. Cogent Engineering, 2022, 9, .	2.2	23
30	Optimal Operation of Microgrids with Demand-Side Management Based on a Combination of Genetic Algorithm and Artificial Bee Colony. Sustainability, 2022, 14, 6759.	3.2	15
31	Microgrid Working Conditions Identification Based on Cluster Analysis" A Case Study From Lambda Microgrid. IEEE Access, 2022, 10, 70971-70979.	4.2	4
32	Balanced Standalone Clustering Unit Commitment Solution for Smart Grid Using Probability Algorithms. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 5246-5266.	2.3	0
33	Landslide Susceptibility Mapping Using Machine Learning: A Literature Survey. Remote Sensing, 2022, 14, 3029.	4.0	46
34	Verification of Characteristics of Selected Current Transformers and Protection Relays. , 2022, , .		0
35	A review on non-isolated low-power DC-DC converter topologies with high output gain for solar photovoltaic system applications. Clean Energy, 2022, 6, 557-572.	3.2	10
36	Optimal Operation of an Integrated Hybrid Renewable Energy System with Demand-Side Management in a Rural Context. Energies, 2022, 15, 5176.	3.1	11

#	ARTICLE	IF	CITATIONS
37	Single-Phase Step-Up Switched-Capacitor-Based Multilevel Inverter Topology With SHEPWM. IEEE Transactions on Industry Applications, 2021, 57, 3107-3119.	4.9	95
38	Improved Perturb and Observation Maximum Power Point Tracking Technique for Solar Photovoltaic Power Generation Systems. IEEE Systems Journal, 2021, 15, 3024-3035.	4.6	78
39	Recognition of Power Quality Issues Associated With Grid Integrated Solar Photovoltaic Plant in Experimental Framework. IEEE Systems Journal, 2021, 15, 3740-3748.	4.6	29
40	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. Electric Power Systems Research, 2021, 190, 106844.	3.6	24
41	Extendable Switched-Capacitor Multilevel Inverter With Reduced Number of Components and Self-Balancing Capacitors. IEEE Transactions on Industry Applications, 2021, 57, 3154-3163.	4.9	31
42	Design and Implementation of Seventeen Level Inverter With Reduced Components. IEEE Access, 2021, 9, 16746-16760.	4.2	76
43	Design and Implementation of a Single-Phase 15-Level Inverter With Reduced Components for Solar PV Applications. IEEE Access, 2021, 9, 581-594.	4.2	29
44	Systematic Approach for State-of-the-Art Architectures and System-on-Chip Selection for Heterogeneous IoT Applications. IEEE Access, 2021, 9, 25594-25622.	4.2	15
45	Estimation of Life Cycle of Distribution Transformer in Context to Furan Content Formation, Pollution Index, and Dielectric Strength. IEEE Access, 2021, 9, 37456-37465.	4.2	27
46	Elastic Damping Mechanism Optimization by Indefinite Lagrange Multipliers. IEEE Access, 2021, 9, 71784-71804.	4.2	10
47	Protection Scheme using Wavelet-Alienation-Neural Technique for UPFC Compensated Transmission Line. IEEE Access, 2021, 9, 13737-13753.	4.2	27
48	Deep Learning Methods for Classification of Certain Abnormalities in Echocardiography. Electronics (Switzerland), 2021, 10, 495.	3.1	24
49	A Case Study on Data Mining Application in a Virtual Power Plant: Cluster Analysis of Power Quality Measurements. Energies, 2021, 14, 974.	3.1	7
50	A Case Study on a Hierarchical Clustering Application in a Virtual Power Plant: Detection of Specific Working Conditions from Power Quality Data. Energies, 2021, 14, 907.	3.1	7
51	A low power and soft error resilience guardâ€ated Quartroâ€based flipâ€flop in 45 nm CMOS technology. IET Circuits, Devices and Systems, 2021, 15, 571-580.	1.4	0
52	A Hybrid Supervised Machine Learning Classifier System for Breast Cancer Prognosis Using Feature Selection and Data Imbalance Handling Approaches. Electronics (Switzerland), 2021, 10, 699.	3.1	29
53	Binary-Quintuple Progression Based 12-Switch 25-Level Converter With Nearest Level Modulation Technique for Grid-Tied and Standalone Applications. IEEE Transactions on Industry Applications, 2021, 57, 3214-3223.	4.9	15
54	D-GENE-Based Discovery of Frequent Occupational Diseases among Female Home-Based Workers. Electronics (Switzerland), 2021, 10, 1230.	3.1	1

#	ARTICLE	IF	CITATIONS
55	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	42
56	Identification of Plant-Leaf Diseases Using CNN and Transfer-Learning Approach. <i>Electronics (Switzerland)</i> , 2021, 10, 1388.	3.1	167
57	A multivariable transmission line protection scheme using signal processing techniques. <i>IET Generation, Transmission and Distribution</i> , 2021, 15, 3115-3137.	2.5	10
58	Operational planning steps in smart electric power delivery system. <i>Scientific Reports</i> , 2021, 11, 17250.	3.3	46
59	Design and Implementation of Asymmetric Cascaded Multilevel Inverter with Optimal Components. <i>Electric Power Components and Systems</i> , 2021, 49, 361-374.	1.8	8
60	Clustering Methods for Power Quality Measurements in Virtual Power Plant. <i>Energies</i> , 2021, 14, 5902.	3.1	12
61	Off-Grid Rural Electrification in India Using Renewable Energy Resources and Different Battery Technologies with a Dynamic Differential Annealed Optimization. <i>Energies</i> , 2021, 14, 5866.	3.1	7
62	Novel Protection Coordination Scheme for Active Distribution Networks. <i>Electronics (Switzerland)</i> , 2021, 10, 2312.	3.1	3
63	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.	5.5	21
64	A hybrid decentralized stochastic-robust model for optimal coordination of electric vehicle aggregator and energy hub entities. <i>Applied Energy</i> , 2021, 304, 117708.	10.1	37
65	A Comprehensive Review of Authentication Schemes in Vehicular Ad-Hoc Network. <i>IEEE Access</i> , 2021, 9, 31309-31321.	4.2	66
66	A Novel Asymmetrical 21-Level Inverter for Solar PV Energy System With Reduced Switch Count. <i>IEEE Access</i> , 2021, 9, 11761-11775.	4.2	46
67	Clustering Isolated Nodes to Enhance Network's Life Time of WSNs for IoT Applications. <i>IEEE Systems Journal</i> , 2021, 15, 5654-5663.	4.6	19
68	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> , 2021, 10, 172.	3.1	16
69	A New Advanced Method for an Accurate Assessment of Harmonic and Supraharmonic Distortion in Power System Waveforms. <i>IEEE Access</i> , 2021, 9, 88685-88698.	4.2	12
70	Analysis of Earthquake Forecasting in India Using Supervised Machine Learning Classifiers. <i>Sustainability</i> , 2021, 13, 971.	3.2	23
71	Prediction of Chronic Kidney Disease - A Machine Learning Perspective. <i>IEEE Access</i> , 2021, 9, 17312-17334.	4.2	112
72	Design and Implementation of 31-Level Asymmetrical Inverter With Reduced Components. <i>IEEE Access</i> , 2021, 9, 22788-22803.	4.2	34

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73	Harmonic mitigation and power quality improvement in utility grid with solar energy penetration using distribution static compensator. IET Power Electronics, 2021, 14, 912-922.	2.1	19
74	Adaptive Neuro-Fuzzy Inference System-Based Maximum Power Tracking Controller for Variable Speed WECS. Energies, 2021, 14, 6275.	3.1	33
75	Effect of Dynamic Bridging on Homogeneous Grain Movement in a Microwave Processing Zone. Agronomy, 2021, 11, 2014.	3.0	2
76	Simultaneous Long-Term Planning of Flexible Electric Vehicle Photovoltaic Charging Stations in Terms of Load Response and Technical and Economic Indicators. World Electric Vehicle Journal, 2021, 12, 190.	3.0	21
77	Blockchain: Future of e-Governance in Smart Cities. Sustainability, 2021, 13, 11840.	3.2	24
78	Performance Study of a Novel Dual Rotor Sandwich Stator Fusion Magnetic Pole Six-Phase Permanent Magnet Synchronous Generator for Geothermal Energy Extraction. , 2021, , .		0
79	Quality Valuation of a Novel Dual Stator Dual Rotor U-Shaped Permanent Magnet Synchronous Generator for Nuclear Energy Extraction. , 2021, , .		0
80	Integration of supervision and monitoring systems of microgrids " a case study from Lambda Microgrid for correlation analysis. , 2021, , .		3
81	A New Five-Phase Three-Level Neutral Point Clamped Inverter for Two Independent Loads. , 2021, , .		1
82	Performance Characterization of Novel Dual Stator Sandwiched Rotor Hybrid Magnetic Pole Six-Phase PMSG for Harnessing Wind Power. , 2021, , .		0
83	Design Consideration of Novel Dual Integrated Rotor-Stator System with Double Layered V-Shaped Magnetic Pole Six-Phase PMSG for Tidal Energy Extraction. , 2021, , .		1
84	Maximum Power Transfer of Wireless Charging System Using a Data-Based Approach. , 2021, , .		0
85	Methods Improving Energy Efficiency of Photovoltaic Systems Operating under Partial Shading. Applied Sciences (Switzerland), 2021, 11, 10696.	2.5	8
86	Signal Analysis in Power Systems. Energies, 2021, 14, 7850.	3.1	0
87	Plant Disease Identification Using Shallow Convolutional Neural Network. Agronomy, 2021, 11, 2388.	3.0	33
88	Intelligent Scheduling of Smart Home Appliances Based on Demand Response Considering the Cost and Peak-to-Average Ratio in Residential Homes. Energies, 2021, 14, 8510.	3.1	14
89	Political-Optimizer-Based Energy-Management System for Microgrids. Electronics (Switzerland), 2021, 10, 3119.	3.1	6
90	Future Trends and Aging Analysis of Battery Energy Storage Systems for Electric Vehicles. Sustainability, 2021, 13, 13779.	3.2	16

#	ARTICLE	IF	CITATIONS
91	A New Approach Newton-Raphson Load Flow Analysis in Power System Networks with STATCOM. Lecture Notes in Electrical Engineering, 2020, , 88-100.	0.4	1
92	Closed-Loop Control and Boundary for CCM and DCM of Nonisolated Inverting N – Multilevel Boost Converter for High-Voltage Step-Up Applications. IEEE Transactions on Industrial Electronics, 2020, 67, 2863-2874.	7.9	44
93	An improved hybrid PV&wind power system with MPPT for water pumping applications. International Transactions on Electrical Energy Systems, 2020, 30, e12210.	1.9	25
94	Design and prototyping of single&phase shunt active power filter for harmonics elimination using model predictive current control. International Transactions on Electrical Energy Systems, 2020, 30, e12231.	1.9	9
95	Design and implementation of a novel asymmetrical multilevel inverter optimal hardware components. International Transactions on Electrical Energy Systems, 2020, 30, e12201.	1.9	35
96	An Experimental Estimation of Hybrid ANFIS&PSO-Based MPPT for PV Grid Integration Under Fluctuating Sun Irradiance. IEEE Systems Journal, 2020, 14, 1218-1229.	4.6	230
97	A Hybrid Photovoltaic-Fuel Cell-Based Single-Stage Grid Integration With Lyapunov Control Scheme. IEEE Systems Journal, 2020, 14, 3334-3342.	4.6	71
98	Online Rotor and Stator Resistance Estimation Based on Artificial Neural Network Applied in Sensorless Induction Motor Drive. Energies, 2020, 13, 4946.	3.1	22
99	Design and Implementation of Multilevel Inverters for Fuel Cell Energy Conversion System. IEEE Access, 2020, 8, 183690-183707.	4.2	53
100	A New Multilevel Inverter Topology With Reduced Power Components for Domestic Solar PV Applications. IEEE Access, 2020, 8, 187483-187497.	4.2	46
101	Supra-Harmonic Band Patterns in Smart Grid. , 2020, , .		1
102	Triple-Mode Active-Passive Parallel Intermediate Links Converter With High Voltage Gain and Flexibility in Selection of Duty Cycles. IEEE Access, 2020, 8, 134716-134727.	4.2	11
103	A Single-Source High-Gain Switched-Capacitor Multilevel Inverter with Inherent Voltage Balancing. , 2020, , .		3
104	Single-Phase Series Compensator Circuit for Mitigating Voltage Sag or Swell in the Power System Networks - Methodology and Modelling. , 2020, , .		1
105	Two-Tier Converter: A New Structure of High Gain DC-DC Converter with Reduced Voltage Stress. , 2020, , .		6
106	Novel Non-Isolated Quad-Switched Inductor Double-Switch Converter for DC Microgrid Application. , 2020, , .		14
107	Hybrid PIPSO-SQP Algorithm for Real Power Loss Minimization in Radial Distribution Systems with Optimal Placement of Distributed Generation. Sustainability, 2020, 12, 5787.	3.2	18
108	Monitoring the Number and Duration of Power Outages and Voltage Deviations at Both Sides of Switching Devices. IEEE Access, 2020, 8, 137174-137184.	4.2	16

#	ARTICLE	IF	CITATIONS
109	Hybrid Extended Boost Configuration r-Source Inverters. , 2020, , .		1
110	Comparative Study of Cavitation Problem Detection in Pumping System Using SVM and K-Nearest Neighbour Method. , 2020, , .		2
111	Harmonics Mitigation in Industrial Sector by using Space Vector PWM and Shunt Active Power Filter. , 2020, , .		4
112	Theoretical and Performance Analysis of PWM Control-Based Variable Switching Frequency for Torque Ripple Reduction in SPMSM Drive Systems. , 2020, , .		0
113	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	10
114	Different working conditions identification of a PV power plant using hierarchical clustering. , 2020, , .		1
115	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.	2.1	54
116	New CUK-SEPIC converter based photovoltaic power system with hybrid GSA-PSO algorithm employing MPPT for water pumping applications. <i>IET Power Electronics</i> , 2020, 13, 2824-2830.	2.1	73
117	A Voltage Based Technique Using Combined Features of Stockwell Transform and Hilbert Transform for Detection of Islanding Events. , 2020, , .		2
118	Energy Coordination of EV for Optimal Utilization in Smart Grid based on Uncertainty Modelling. , 2020, , .		1
119	Generalized Dynamic and Steady-State Performance Analysis of the Three-phase Current-Source Inverter for Green Energy Applications. , 2020, , .		2
120	Implementation of a High Power PMSG for Wind Power Interface using TLNPC Converter. , 2020, , .		2
121	Power Loss Analysis of Solar Photovoltaic Integrated Model Predictive Control Based On-Grid Inverter. <i>Energies</i> , 2020, 13, 4669.	3.1	7
122	Amalgamation of Transfer Learning and Deep Convolutional Neural Network for Multiple Fault Detection in SCIM. , 2020, , .		9
123	Investigation Studies of DC-DC Boost Converter With Proportional-Integral-Derivative Controller Using Optimization Techniques. , 2020, , .		2
124	A Modified Boost Converter with Triswitching State and VLSI module for DC Nanogrid Application. , 2020, , .		3
125	Evaluation of Current Transformers and Protection Relay Circuit. , 2020, , .		1
126	Microgrid Energy Management System With Embedded Deep Learning Forecaster and Combined Optimizer. <i>IEEE Access</i> , 2020, 8, 202225-202239.	4.2	29

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127	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	10
128	A Case Study on Battery Energy Storage System in a Virtual Power Plant: Defining Charging and Discharging Characteristics. <i>Energies</i> , 2020, 13, 6670.	3.1	12
129	Review of Health Prognostics and Condition Monitoring of Electronic Components. <i>IEEE Access</i> , 2020, 8, 75163-75183.	4.2	45
130	Signal parameter estimation and classification using mixed supervised and unsupervised machine learning approaches. <i>IEEE Access</i> , 2020, , 1-1.	4.2	3
131	Torque Ripple and Loss Minimization of Trapezoidal Brushless DC Motor Drive by Harmonics Current Excitation Switching Technique. , 2020, , .		2
132	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	13
133	Implementation of Designed PV Integrated Controlled Converter System. <i>IEEE Access</i> , 2020, 8, 100905-100915.	4.2	6
134	A Novel Sensorless Approach for Speed and Displacement Control of Bearingless Switched Reluctance Motor. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4070.	2.5	6
135	Non-Isolated High-Gain Triple Port DCâ€“DC Buck-Boost Converter With Positive Output Voltage for Photovoltaic Applications. <i>IEEE Access</i> , 2020, 8, 113649-113666.	4.2	97
136	Development of Stand-Alone Green Hybrid System for Rural Areas. <i>Sustainability</i> , 2020, 12, 3808.	3.2	9
137	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.	1.9	26
138	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	19
139	Analysis of the Power Supply Restoration Time after Failures in Power Transmission Lines. <i>Energies</i> , 2020, 13, 2736.	3.1	18
140	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	37
141	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.	3.1	14
142	Realizing a Novel Friction Stir Processing-Enabled FWTPET Process for Strength Enhancement Using Firefly and PSO Methods. <i>Materials</i> , 2020, 13, 728.	2.9	3
143	Effective Management System for Solar PV Using Real-Time Data with Hybrid Energy Storage System. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1108.	2.5	16
144	A Hybrid PV-Battery System for ON-Grid and OFF-Grid Applicationsâ€”Controller-In-Loop Simulation Validation. <i>Energies</i> , 2020, 13, 755.	3.1	31

#	ARTICLE	IF	CITATIONS
145	A Modified High Voltage Gain Quasi-Impedance Source Coupled Inductor Multilevel Inverter for Photovoltaic Application. <i>Energies</i> , 2020, 13, 874.	3.1	27
146	Forecasting Solar PV Output Using Convolutional Neural Networks with a Sliding Window Algorithm. <i>Energies</i> , 2020, 13, 723.	3.1	81
147	Hybrid Power Plant with Storage System: University Research Station. <i>Periodica Polytechnica Electrical Engineering and Computer Science</i> , 2020, 64, 47-52.	1.0	1
148	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	45
149	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	18
150	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.	2.5	29
151	Identification of Water Hammering for Centrifugal Pump Drive Systems. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2683.	2.5	11
152	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.	2.5	27
153	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.	2.1	12
154	Global Power Quality Index application in Virtual Power Plant. , 2020, , .		3
155	Modified SPWM technique for improved harmonic performance of single PV array fed grid-tied five-level converter. <i>IET Power Electronics</i> , 2020, 13, 4498-4506.	2.1	7
156	Modified demagnetisation control strategy for low-voltage ride-through enhancement in DFIG-based wind systems. <i>IET Renewable Power Generation</i> , 2020, 14, 3487-3499.	3.1	9
157	E _K multilevel inverter – a minimal switch novel configuration for higher number of output voltage levels. <i>IET Power Electronics</i> , 2020, 13, 2804-2815.	2.1	4
158	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> , 2020, 13, 2816-2823.	2.1	4
159	Identification of Technological Limitations of a Battery Energy Storage System. , 2020, , .		2
160	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.	4.9	35
161	2L-2L Converter: Switched Inductor Based High Voltage Step-up Converter for Fuel Cell Vehicular Applications. , 2019, , .		4
162	A Novel High Gain Configurations of Modified SEPIC Converter for Renewable Energy Applications. , 2019, , .		5

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163	Distribution of the Strip Tensions with Slip Control in Strip Processing Lines. <i>Energies</i> , 2019, 12, 3010.	3.1	4
164	Novel immense configurations of boost converter for renewable energy application. <i>Journal of Engineering</i> , 2019, 2019, 4884-4889.	1.1	3
165	Economic Analysis of HRES Systems with Energy Storage During Grid Interruptions and Curtailment in Tamil Nadu, India: A Hybrid RBFNOEHO Technique. <i>Energies</i> , 2019, 12, 3047.	3.1	4
166	Performance of Neural Network Based Controllers and \hat{I}^* -Based PID Controllers for Networked Control Systems: A Comparative Investigation. , 2019, , .		2
167	Optimal Allocation of Multiple Distributed Generators And Shunt Capacitors In Distribution System Using Flower Pollination Algorithm. , 2019, , .		2
168	Design of \hat{I}^* Based PID Controller for Wind Energy Systems. , 2019, , .		0
169	A Hybrid ANFIS-ABC Based MPPT Controller for PV System With Anti-Islanding Grid Protection: Experimental Realization. <i>IEEE Access</i> , 2019, 7, 103377-103389.	4.2	93
170	Mitigating the impact of distributed generation and fault current limiter on directional overcurrent relay coordination by adaptive protection scheme. , 2019, , .		3
171	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.	4.9	39
172	New DC-DC Multilevel Configurations of 2L-Y Boost Converters with High Voltage Conversion Ratio for Renewable Energy Applications. , 2019, , .		3
173	Multiple Modulation Strategy of Flying Capacitor DC/DC Converter. <i>Electronics (Switzerland)</i> , 2019, 8, 774.	3.1	4
174	Improving Microgrid Frequency Regulation Based on the Virtual Inertia Concept while Considering Communication System Delay. <i>Energies</i> , 2019, 12, 2016.	3.1	17
175	Hardware Implementation of a New Single Input Double Output L-L Converter for High Voltage Auxiliary Loads in Fuel-cell Vehicles. , 2019, , .		5
176	Performance Analysis of Single-Phase Electrical Machine for Military Applications. <i>Energies</i> , 2019, 12, 2285.	3.1	2
177	Conducted Electromagnetic Interference Spectral Peak Mitigation in Luo-Converter Using FPGA-Based Chaotic PWM Technique. <i>Electric Power Components and Systems</i> , 2019, 47, 838-848.	1.8	8
178	Investigations of AC Microgrid Energy Management Systems Using Distributed Energy Resources and Plug-in Electric Vehicles. <i>Energies</i> , 2019, 12, 2834.	3.1	14
179	A New Structure of High Voltage Gain SEPIC Converter for Renewable Energy Applications. <i>IEEE Access</i> , 2019, 7, 89857-89868.	4.2	99
180	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.	4.2	117

#	ARTICLE	IF	CITATIONS
181	Investigation for Performances Comparison PI, Adaptive PI, Fuzzy Speed Control Induction Motor for Centrifugal Pumping Application. , 2019, , .		7
182	An Adaptive Neuro-Fuzzy Inference System Employed Cuk Converter for PV Applications. , 2019, , .		2
183	New triâ€switching state nonâ€isolated high gain DCâ€DC boost converter for microgrid application. IET Power Electronics, 2019, 12, 2741-2750.	2.1	33
184	An AN-GA Controlled SEPIC Converter for Photovoltaic Grid Integration. , 2019, , .		1
185	A Modified Ąuk Converter With Constant Switching Frequency Modulated Sliding Mode Control. , 2019, , .		0
186	Modified multilevel buckâ€boost converter with equal voltage across each capacitor: analysis and experimental investigations. IET Power Electronics, 2019, 12, 3318-3330.	2.1	17
187	Methods for Assessment of Supraharmonics in Power Systems. Part I: Theoretical Issues. , 2019, , .		2
188	Internet of Things Applications as Energy Internet in Smart Grids and Smart Environments. Electronics (Switzerland), 2019, 8, 972.	3.1	110
189	Investigations on EMI Mitigation Techniques: Intent to Reduce Grid-Tied PV Inverter Common Mode Current and Voltage. Energies, 2019, 12, 3395.	3.1	10
190	A Review on Optimization and Control Methods Used to Provide Transient Stability in Microgrids. Energies, 2019, 12, 3582.	3.1	36
191	XL Converters- New Series of High Gain DC-DC Converters for Renewable Energy Conversion. , 2019, , .		5
192	Full Bridge LLC Resonant Three-Phase Interleaved Multi Converter For HV Applications. , 2019, , .		8
193	Quazi Z-Source Single Stage High Step-Up DC-DC Converter for Grid-connected PV Application. , 2019, , .		3
194	Electric Vehicle Charge Stations Location Analysis and Determinationâ€Ankara (Turkey) Case Study. Energies, 2019, 12, 3472.	3.1	10
195	Techno-Economic Optimization of Grid-Connected Photovoltaic (PV) and Battery Systems Based on Maximum Demand Reduction (MDRed) Modelling in Malaysia. Energies, 2019, 12, 3531.	3.1	13
196	An Ant Colony Optimized MPPT for Standalone Hybrid PV-Wind Power System with Single Cuk Converter. Energies, 2019, 12, 167.	3.1	122
197	Insulation condition assessment of highâ€voltage rotating machines using hybrid techniques. IET Generation, Transmission and Distribution, 2019, 13, 171-180.	2.5	8
198	Critical Review of PV Grid-Tied Inverters. Energies, 2019, 12, 1921.	3.1	39

#	ARTICLE	IF	CITATIONS
199	Large Scale Renewable Energy Integration: Issues and Solutions. Energies, 2019, 12, 1996.	3.1	49
200	DC Grid for Domestic Electrification. Energies, 2019, 12, 2157.	3.1	20
201	Rescheduling of Generators with Pumped Hydro Storage Units to Relieve Congestion Incorporating Flower Pollination Optimization. Energies, 2019, 12, 1477.	3.1	15
202	Lyapunov Based Reference Model of Tension Control in a Continuous Strip Processing Line with Multi-Motor Drive. Electronics (Switzerland), 2019, 8, 60.	3.1	9
203	Nature-Inspired MPPT Algorithms for Partially Shaded PV Systems: A Comparative Study. Energies, 2019, 12, 1451.	3.1	47
204	Systematic Implementation of Multi-Phase Power Supply (Three to Six) Conversion System. Electronics (Switzerland), 2019, 8, 109.	3.1	7
205	Neural Network-Based Model Reference Adaptive System for Torque Ripple Reduction in Sensorless Poly Phase Induction Motor Drive. Energies, 2019, 12, 920.	3.1	8
206	Analysis of Numerical Methods to Include Dynamic Constraints in an Optimal Power Flow Model. Energies, 2019, 12, 885.	3.1	6
207	Experimental Investigation of Power Signatures for Cavitation and Water Hammer in an Industrial Parallel Pumping System. Energies, 2019, 12, 1351.	3.1	11
208	High Gain Transformer-Less Double-Duty-Triple-Mode DC/DC Converter for DC Microgrid. IEEE Access, 2019, 7, 36353-36370.	4.2	97
209	Photovoltaic Integrated Hybrid Microgrid Structured Electric Vehicle Charging Station and Its Energy Management Approach. Energies, 2019, 12, 168.	3.1	84
210	Control Strategies of Mitigating Dead-time Effect on Power Converters: An Overview. Electronics (Switzerland), 2019, 8, 196.	3.1	30
211	Active Power Decoupling for Current Source Converters: An Overview Scenario. Electronics (Switzerland), 2019, 8, 197.	3.1	15
212	Small Signal Stability with the Householder Method in Power Systems. Energies, 2019, 12, 3412.	3.1	1
213	Influence of Measurement Aggregation Algorithms on Power Quality Assessment and Correlation Analysis in Electrical Power Network with PV Power Plant. Energies, 2019, 12, 3547.	3.1	17
214	A New Multilevel Member of Modified CUK Converter Family for Renewable Energy Applications. , 2019, , .		5
215	A Case Study on Distributed Energy Resources and Energy-Storage Systems in a Virtual Power Plant Concept: Economic Aspects. Energies, 2019, 12, 4447.	3.1	39
216	Simulation Analysis of a Nearest Level Modulation Scheme for Cross-Connected Sources based MLI. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
217	High gain threeâ€state switching hybrid boost converter for DC microgrid applications. IET Power Electronics, 2019, 12, 3656-3667.	2.1	19
218	Simulation Analysis of Selective Harmonics Elimination scheme for a Symmetric CHB-Multilevel inverter. , 2019, , .		4
219	A guide to Nearest Level Modulation and Selective Harmonics Elimination modulation scheme for multilevel inverters. , 2019, , .		10
220	Power Electronic Converter Configurations Integration with Hybrid Energy Sources â€“ A Comprehensive Review for State-of-the-Art in Research. Electric Power Components and Systems, 2019, 47, 1623-1650.	1.8	17
221	Testing of Local Control Cabinet In Gas Insulated Switchgear Using Design of Simulation Kit - Revista. , 2019, , .		0
222	Methods for Assessment of Supraharmonics in Power Systems. Part II: Numerical Applications. , 2019, , .		1
223	Digital Application of Second Order Generalized Integrator Based Grid Estimator Under Unbalanced and Distorted Voltage Conditions. Electric Power Components and Systems, 2019, 47, 1464-1474.	1.8	1
224	Estimation of Energy Activity and Flexibility Range in Smart Active Residential Building. Smart Cities, 2019, 2, 471-495.	9.4	6
225	A Simple Multilevel Space Vector Modulation Technique and MATLAB System Generator Built FPGA Implementation for Three-Level Neutral-Point Clamped Inverter. Energies, 2019, 12, 4332.	3.1	21
226	Location-Based Optimized Service Selection for Data Management with Cloud Computing in Smart Grids. Energies, 2019, 12, 4517.	3.1	6
227	A Novel Modified Sine-Cosine Optimized MPPT Algorithm for Grid Integrated PV System under Real Operating Conditions. IEEE Access, 2019, 7, 10467-10477.	4.2	120
228	Modeling and analysis of complex dynamics for dSPACE controlled closedâ€loop DCâ€DC boost converter. International Transactions on Electrical Energy Systems, 2019, 29, e2813.	1.9	27
229	A sociocultural study on solar photovoltaic energy system in India: Stratification and policy implication. Journal of Cleaner Production, 2019, 216, 461-481.	9.3	55
230	Low-order harmonics control in staircase waveform useful in high-power application by a novel technique. International Transactions on Electrical Energy Systems, 2019, 29, e2769.	1.9	12
231	An Extensive Practical Investigation of FPSO-Based MPPT for Grid Integrated PV System Under Variable Operating Conditions With Anti-Islanding Protection. IEEE Systems Journal, 2019, 13, 1861-1871.	4.6	133
232	Load Flow Analysis in Power System Network Incorporating STATCOM: A Comparison of the Direct and Indirect Algorithm of the Newton-Raphson Method. Advances in Electrical and Electronic Engineering, 2019, 17, .	0.3	3
233	Energy management in a real microgrid with hydroelectric power plant and battery storage unit. , 2019, , .		0
234	Modeling of Five-Phase, Self-Excited Induction Generator for Wind Mill Application. Electric Power Components and Systems, 2018, 46, 353-363.	1.8	13

#	ARTICLE	IF	CITATIONS
235	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.	1.8	28
236	Analysis and Mitigation of Power Quality Issues in Distributed Generation Systems Using Custom Power Devices. <i>IEEE Access</i> , 2018, 6, 16816-16833.	4.2	235
237	L-L Converter for Fuel Cell Vehicular Power Train Applications: Hardware Implementation of Primary Member of X-Y Converter Family. , 2018, , .		6
238	Meter Placement in Power System Networkâ€™A Comprehensive Review, Analysis and Methodology. <i>Electronics (Switzerland)</i> , 2018, 7, 329.	3.1	4
239	A Novel Calculus Based Unipolar Double Reference Single Carrier PWM for Single Phase T-Multilevel Inverter with Under Modulation (<1) for Renewable Energy Applications: Hardware Implementation. , 2018, , .		9
240	Technical Constraints of Integrating Net Energy Metering from the Malaysian Perspective. , 2018, , .		3
241	An ANFIS Artificial Technique Based Maximum Power Tracker for Standalone Photovoltaic Power Generation. , 2018, , .		3
242	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.	4.2	34
243	Single phase nine level inverter using single DC source supported by capacitor voltage balancing algorithm. <i>IET Power Electronics</i> , 2018, 11, 2319-2329.	2.1	24
244	Feedforward Finite Control Set Model Predictive Position Control of PMSM. , 2018, , .		9
245	Unipolar Single Reference Multicarrier Sinusoidal Pulse Width Modulation Based 7-level Inverter with Reduced Number of Semiconductor Switches for Renewable Energy Applications. , 2018, , .		3
246	A New DC-DC Multilevel Breed of XY Converter Family for Renewable Energy Applications: LY Multilevel Structured Boost Converter. , 2018, , .		7
247	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.	3.1	44
248	An Improved Multistage Switched Inductor Boost Converter (Improved M-SIBC) for Renewable Energy Applications: A key to Enhance Conversion Ratio. , 2018, , .		17
249	Transistor-Clamped Multilevel H-Bridge Inverter in Si and SiC Hybrid Configuration for High-Efficiency Photovoltaic Applications. , 2018, , .		15
250	Module Based Floorplanning Methodology to Satisfy Voltage Island and Fixed Outline Constraints. <i>Electronics (Switzerland)</i> , 2018, 7, 325.	3.1	12
251	Discrete Wavelet Analysis of Supra-Harmonic Emissions in Smart Grid (PV Inverter Implementation). , 2018, , .		2
252	Reliability Evaluation of the Distribution Systems Using Analytical Technique. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
253	Centrifugal Pump Cavitation Detection Using Machine Learning Algorithm Technique. , 2018, , .		13
254	Advanced Solar Energy Systems with Thermoelectric Generators. , 2018, , .		2
255	Configurations of Modified SEPIC Converter with Switched Inductor Module (MSC<inf>sl</inf>) for Photovoltaic Application: Part-II. , 2018, , .		1
256	Comparative Implementation of Numerical Integration Methods for Transient Stability Constrained Optimal Power Flow. , 2018, , .		2
257	Protection Coordination of Properly Sized and Placed Distributed Generationsâ€“Methods, Applications and Future Scope. Energies, 2018, 11, 2672.	3.1	28
258	An Improved Structures of Modified CUK Converter using VLSI module (MCC<inf>VLSI</inf>) for High-Voltage Renewable Energy Applications. , 2018, , .		5
259	Intelligence-Based Battery Management and Economic Analysis of an Optimized Dual-Vanadium Redox Battery (VRB) for a Wind-PV Hybrid System. Energies, 2018, 11, 2785.	3.1	11
260	Adaptive Fault Classification Approach Using Digitized Fuzzy Logic (DFL) Based on Sequence Components. , 2018, , .		4
261	A Multifunctional Dynamic Voltage Restorer for Power Quality Improvement. Energies, 2018, 11, 1351.	3.1	31
262	An Overview of Energy Scenarios, Storage Systems and the Infrastructure for Vehicle-to-Grid Technology. Energies, 2018, 11, 2174.	3.1	30
263	Maximum Power Point Tracking Implementation by Dspace Controller Integrated Through Z-Source Inverter Using Particle Swarm Optimization Technique for Photovoltaic Applications. Applied Sciences (Switzerland), 2018, 8, 145.	2.5	18
264	Frequency Splitting Elimination and Cross-Coupling Rejection of Wireless Power Transfer to Multiple Dynamic Receivers. Applied Sciences (Switzerland), 2018, 8, 179.	2.5	14
265	Energy Management Strategy for Rural Communitiesâ€™ DC Micro Grid Power System Structure with Maximum Penetration of Renewable Energy Sources. Applied Sciences (Switzerland), 2018, 8, 585.	2.5	46
266	Extended Kalman Filter Based Sliding Mode Control of Parallel-Connected Two Five-Phase PMSM Drive System. Electronics (Switzerland), 2018, 7, 14.	3.1	25
267	Neural Network Based Maximum Power Point Tracking Control with Quadratic Boost Converter for PMSGâ€™ Wind Energy Conversion System. Electronics (Switzerland), 2018, 7, 20.	3.1	43
268	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. Energies, 2018, 11, 783.	3.1	69
269	Boundary Detection and Enhancement Strategy for Power System Bus Bar Stabilizationâ€™ Investigation under Fault Conditions for Islanding Operation. Energies, 2018, 11, 889.	3.1	13
270	Maximum Power Point Tracking for Brushless DC Motor-Driven Photovoltaic Pumping Systems Using a Hybrid ANFIS-FLOWER Pollination Optimization Algorithm. Energies, 2018, 11, 1067.	3.1	51

#	ARTICLE	IF	CITATIONS
271	Analysis of 132kV/33kV 15MVA power transformer dissolved gas using transport-X Kelman Kit through Duval's triangle and Roger's Ratio prediction. , 2018, , .		6
272	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. IET Electric Power Applications, 2018, 12, 962-971.	1.8	124
273	Modified (2/1-k) output gain Ąuk DC-to-DC converter circuit for renewable power applications. , 2018, , .		2
274	A novel multilevel high gain modified SEPIC DC-to-DC converter for high voltage/low current renewable energy applications. , 2018, , .		17
275	Advanced Control of the Dynamic Voltage Restorer for Mitigating Voltage Sags in Power Systems. Advances in Electrical and Electronic Engineering, 2018, 16, .	0.3	2
276	Hybrid PV-Wind, Micro-Grid Development Using Quasi-Z-Source Inverter Modeling and Control-Experimental Investigation. Energies, 2018, 11, 2277.	3.1	31
277	An Adaptive Overcurrent Coordination Scheme to Improve Relay Sensitivity and Overcome Drawbacks due to Distributed Generation in Smart Grids. IEEE Transactions on Industry Applications, 2017, 53, 5217-5228.	4.9	105
278	An improved sensorless sliding mode control/adaptive observer of a five-phase permanent magnet synchronous motor drive. International Journal of Advanced Manufacturing Technology, 2017, 93, 1029-1039.	3.0	13
279	High-Voltage DC-DC Converter Topology for PV Energy Utilization-Investigation and Implementation. Electric Power Components and Systems, 2017, 45, 221-232.	1.8	25
280	Improved Fault Ride Through Capability in DFIG Based Wind Turbines Using Dynamic Voltage Restorer With Combined Feed-Forward and Feed-Back Control. IEEE Access, 2017, 5, 20494-20503.	4.2	91
281	Analysis of supra-harmonics in smart grids. , 2017, , .		15
282	Coordinated DTC and VOC control for PMSG based grid connected wind energy conversion system. , 2017, , .		4
283	Realization of 5-bus system using soft computing technique for flexible alternating current transmission system (FACTS) devices. , 2017, , .		3
284	Electric field analysis of extra high voltage (EHV) underground cables using finite element method. , 2017, , .		6
285	Long term performance of a PV system with monocrystalline PV cells - a case study. , 2017, , .		4
286	A microgrid with PV production and energy storage for an university building. , 2017, , .		5
287	Optimisation of hybrid renewable energy system using iterative filter selection approach. IET Renewable Power Generation, 2017, 11, 1440-1445.	3.1	25
288	Design and Real-Time Simulation of an AC Voltage Regulator Based Battery Charger for Large-Scale PV-Grid Energy Storage Systems. IEEE Access, 2017, 5, 25158-25170.	4.2	30

#	ARTICLE	IF	CITATIONS
289	Analysis and simulation of causes of voltage sags using EMTP. , 2017, , .		3
290	Investigating the effects of selecting different slack bus on power systems. , 2017, , .		3
291	Comparative analysis of common MPPT techniques for solar PV system with soft switched, interleaved isolated converter. , 2017, , .		12
292	Transistor Clamped Five-Level Inverter using Non-Inverting Double Reference Single Carrier PWM Technique for photovoltaic applications. , 2017, , .		12
293	Analysis and modeling of STATCOM for regulate the voltage in power systems. , 2017, , .		11
294	A novel 2L-Y DC-DC converter topologies for high conversion ratio renewable application. , 2017, , .		11
295	Comparative study of photovoltaic based power converter topologies for pumping applications. , 2017, , .		9
296	Modified SEPIC DC-to-DC boost converter with high output-gain configuration for renewable applications. , 2017, , .		31
297	A modified high output-gain cuk converter circuit configuration for renewable applications – A comprehensive investigation. , 2017, , .		20
298	Analysis of high voltage-gain hybrid DC-DC power converter with RBFN based MPPT for renewable photovoltaic applications. , 2017, , .		6
299	A high gain modified SEPIC DC-to-DC boost converter for renewable energy application. , 2017, , .		10
300	Modified boost with switched inductor different configurational structures for DC-DC converter for renewable application. , 2017, , .		18
301	Modified high voltage conversion inverting cuk DC-DC converter for renewable energy application. , 2017, , .		23
302	Assessment of e-vehicles availability in charging pool for support services in smart grids: Case study based on real data. , 2017, , .		3
303	Multistage switched inductor boost converter for renewable energy application. , 2017, , .		18
304	An efficient flux weakening control strategy of a speed controlled permanent magnet synchronous motor drive for light electric vehicle applications. , 2017, , .		5
305	Sliding Mode Controller and Lyapunov Redesign Controller to Improve Microgrid Stability: A Comparative Analysis with CPL Power Variation. Energies, 2017, 10, 1959.	3.1	22
306	Real-Time Forecasting of EV Charging Station Scheduling for Smart Energy Systems. Energies, 2017, 10, 377.	3.1	45

#	ARTICLE	IF	CITATIONS
307	Modelling and Optimization in Microgrids. <i>Energies</i> , 2017, 10, 523.	3.1	20
308	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	52
309	Grid Synchronization of a Seven-Phase Wind Electric Generator Using d-q PLL. <i>Energies</i> , 2017, 10, 926.	3.1	23
310	Control Strategy for a Grid-Connected Inverter under Unbalanced Network Conditionsâ€”A Disturbance Observer-Based Decoupled Current Approach. <i>Energies</i> , 2017, 10, 1067.	3.1	20
311	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	11
312	Investigation on the Development of a Sliding Mode Controller for Constant Power Loads in Microgrids. <i>Energies</i> , 2017, 10, 1086.	3.1	30
313	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	434
314	Study and Analysis of an Intelligent Microgrid Energy Management Solution with Distributed Energy Sources. <i>Energies</i> , 2017, 10, 1419.	3.1	39
315	Coordinated Control Strategies for a Permanent Magnet Synchronous Generator Based Wind Energy Conversion System. <i>Energies</i> , 2017, 10, 1493.	3.1	28
316	Development of Sliding Mode Controller for a Modified Boost ĄŹuk Converter Configuration. <i>Energies</i> , 2017, 10, 1513.	3.1	13
317	Constant Power Loads (CPL) with Microgrids: Problem Definition, Stability Analysis and Compensation Techniques. <i>Energies</i> , 2017, 10, 1656.	3.1	94
318	Minimization of Load Variance in Power Gridsâ€”Investigation on Optimal Vehicle-to-Grid Scheduling. <i>Energies</i> , 2017, 10, 1880.	3.1	44
319	Grid-Tied Photovoltaic and Battery Storage Systems with Malaysian Electricity Tariffâ€”A Review on Maximum Demand Shaving. <i>Energies</i> , 2017, 10, 1884.	3.1	35
320	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.	2.5	22
321	Solar Energy and PV Systems in Smart Cities. <i>International Journal of Photoenergy</i> , 2017, 2017, 1-2.	2.5	2
322	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	24
323	Power Balancing Control for Grid Energy Storage System in Photovoltaic Applicationsâ€”Real Time Digital Simulation Implementation. <i>Energies</i> , 2017, 10, 928.	3.1	38
324	Characterization of a power line cable for channel frequency response â€” Analysis and investigation. , 2017, , , .		4

#	ARTICLE	IF	CITATIONS
325	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	3
326	Performance analysis of CNTFET based low energy and low power adiabatic logic design. , 2017, , .		0
327	A hexagonal hysteresis space vector current controller for single Z-source network multilevel inverter with capacitor balancing. , 2017, , .		1
328	Investigation of Supra-Harmonics through Signal Processing Methods in Smart Grids. <i>Transactions on Environment and Electrical Engineering</i> , 2017, 2, 80.	0.5	0
329	Heuristic Storage System Sizing for Optimal Operation of Electric Vehicles Powered by Photovoltaic Charging Station. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-12.	2.5	8
330	Power Quality Improvement and LVRT Capability Enhancement of Wind Farms by Means of an Inductive Filtering Method. <i>Energies</i> , 2016, 9, 302.	3.1	5
331	Welcome message from general chairs. , 2016, , .		0
332	An Increase of a Down-Hole Nuclear Magnetic Resonance Tool's Reliability and Accuracy by the Cancellation of a Multi-Module DC/AC Converter's Output's Higher Harmonics. <i>IEEE Access</i> , 2016, 4, 7912-7920.	4.2	3
333	Component modelling for microgrids. , 2016, , .		6
334	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, , .		16
335	A novel double quad-inverter configuration for multilevel twelve-phase open-winding converter. , 2016, , .		9
336	PI and fuzzy control strategies for high voltage output DC-DC boost power converter " Hardware implementation and analysis. , 2016, , .		0
337	Analysis and modeling of a photovoltaic system using directional irradiances and optimization techniques. , 2016, , .		0
338	Mitigating voltage sags due to short circuits using dynamic voltage restorer. , 2016, , .		2
339	Optimal sizing of renewable energy plant-storage system for network support. , 2016, , .		4
340	Mitigating the impact of distributed generation on directional overcurrent relay coordination by adaptive protection scheme. , 2016, , .		14
341	Synchronized profiles of power quality parameters in assessment of disturbances in power systems with distributed generation. , 2015, , .		2
342	AC power and energy measurements based on physical definitions. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
343	Analysis of mathematical modeling of PV module with MPPT algorithm. , 2015, , .		9
344	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. , 2014, , .		4
345	Error compensation in distance relays caused by wind power plants in the power grid. Electric Power Systems Research, 2014, 106, 109-119.	3.6	11
346	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. , 2014, , .		3
347	Determining of fault location with Hilbert - Huang transformation on XLPE cables between land and offshore substations. , 2014, , .		1
348	Analysis of SDFT based phase detection system for grid synchronization of distributed generation systems. Engineering Science and Technology, an International Journal, 2014, 17, 270-278.	3.2	29
349	Application of the Prony method for compensation of errors in distance relays. , 2013, , .		3
350	Assessing the benefits and risks of application of inverter drives in industry. , 2012, , .		0
351	Impact of characteristics of block-transformers on inrush currents and voltage distortions at the connection point of wind parks. , 2012, , .		2
352	Condition monitoring & fault diagnosis system for Offshore Wind Turbines. , 2012, , .		14
353	Intelligent wireless street lighting system. , 2012, , .		36
354	Fault location in power networks with mixed feeders using the complex space-phasor and Hilbert-Huang transform. International Journal of Electrical Power and Energy Systems, 2012, 42, 208-219.	5.5	56
355	Assessment of power quality in wind power systems. , 2011, , .		4
356	Reliability analysis of electric distribution system. , 2011, , .		2
357	LMI-based robust wide-area time-delay damping control of SSSC-type FACTS device for stability enhancement of power system. , 2010, , .		2
358	Analysis of sub-harmonics in power systems. , 2010, , .		6
359	Time-frequency analysis of step response in medium voltage networks. , 2010, , .		0
360	Analysis of non-stationary electric signals using the S-transform. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2009, 28, 204-210.	0.9	12

#	ARTICLE	IF	CITATIONS
361	Measurement of IEC Groups and Subgroups Using Advanced Spectrum Estimation Methods. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 672-681.	4.7	64
362	Parametric Spectral Estimation for Power Quality Assessment. , 2007, , .		9
363	Time-Frequency Analysis of Complex Space Phasor in Power Electronics. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2395-2403.	4.7	14
364	Power Quality Evaluation using Advanced Spectrum Estimation Methods. , 2006, , .		6
365	Measurement of IEC Groups and Subgroups using Advanced Spectrum Estimation Methods. , 2006, , .		6
366	High-Resolution Spectrum-Estimation Methods for Signal Analysis in Power Systems. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 219-225.	4.7	105
367	Analysis of Traction System Time-Varying Signals using ESPRIT Subspace Spectrum Estimation Method. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	5
368	Independent variable selection: Application of independent component analysis to forecasting a stock index. Journal of Asset Management, 2005, 6, 248-258.	1.5	0
369	Trimmed estimators for robust averaging of event-related potentials. Journal of Neuroscience Methods, 2005, 142, 17-26.	2.5	58
370	EEG filtering based on blind source separation (BSS) for early detection of Alzheimer's disease. Clinical Neurophysiology, 2005, 116, 729-737.	1.5	147
371	Analysis of non-stationary signals in power systems. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2004, 23, 381-391.	0.9	2
372	Advanced spectrum estimation methods for signal analysis in power electronics. IEEE Transactions on Industrial Electronics, 2003, 50, 514-519.	7.9	135
373	TIME-FREQUENCY ANALYSIS OF NON-STATIONARY THREE PHASE SIGNALS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 317-321.	0.4	0
374	Advanced signal processing methods of harmonics and interharmonics estimation. , 2001, , .		13
375	Advanced Signal Processing Methods of Harmonic Analysis in Power Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 147-152.	0.4	2
376	Application of higher-order spectra for signal processing in electrical power engineering. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1998, 17, 602-611.	0.9	13
377	High resolution spectrum estimation methods for signal analysis in power electronics and systems. , 0, , .		3
378	Harmonics and interharmonics estimation using advanced signal processing methods. , 0, , .		36

#	ARTICLE	IF	CITATIONS
379	Application of time-frequency distribution and neural networks for fault classification in power electronics. , 0, , .		2
380	Time-frequency analysis of complex space-phasor in power electronics. , 0, , .		1
381	On some spectrum estimation methods for analysis of nonstationary signals in power systems. Part I. Theoretical aspects. , 0, , .		17
382	On some spectrum estimation methods for analysis of nonstationary signals in power systems. Part II. Numerical applications. , 0, , .		3
383	GMPPT Algorithm Based Maximum Power Tracking under Dynamic Weather Conditions Employing Krill-Herd Technique. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-17.	2.3	0
384	Capacity-based optimization using whale optimization technique of a power distribution network. Engineering Reports, 0, , e12455.	1.7	1
385	Novel Power Quality Data Analysis and Reporting Framework for Wide-area system of registration and processing of power quality data. Transactions on Environment and Electrical Engineering, 0, , 1-3.	0.5	0
386	An experimental performance verification of continuous mixed P&E norm based adaptive asymmetrical fuzzy logic controller for single stage photovoltaic grid integration. IET Renewable Power Generation, 0, , .	3.1	4