Sanjeevikumar Padmanaban

List of Publications by Year
in descending order

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507	12,045	44069	58581
papers	citations	48 h-index	82 g-index

579	579	579	7441
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Comprehensive Study of Key Electric Vehicle (EV) Components, Technologies, Challenges, Impacts, and Future Direction of Development. Energies, 2017, 10, 1217.	3.1	434
2	Recent advances and challenges of fuel cell based power system architectures and control â€“ A review. Renewable and Sustainable Energy Reviews, 2017, 73, 10-18.	16.4	355
3	A Comprehensive Review on Renewable Energy Development, Challenges, and Policies of Leading Indian States With an International Perspective. IEEE Access, 2020, 8, 74432-74457.	4.2	328
4	Optimal planning of electric vehicle charging station at the distribution system using hybrid optimization algorithm. Energy, 2017, 133, 70-78.	8.8	240
5	Analysis and Mitigation of Power Quality Issues in Distributed Generation Systems Using Custom Power Devices. IEEE Access, 2018, 6, 16816-16833.	4.2	235
6	An Experimental Estimation of Hybrid ANFISâ€“PSO-Based MPPT for PV Grid Integration Under Fluctuating Sun Irradiance. IEEE Systems Journal, 2020, 14, 1218-1229.	4.6	230
7	Direct electron transfer with yeast cells and construction of a mediatorless microbial fuel cell. Biosensors and Bioelectronics, 2007, 22, 2604-2610.	10.1	184
8	Review on the optimal placement, sizing and control of an energy storage system in the distribution network. Journal of Energy Storage, 2019, 21, 489-504.	8.1	182
9	Investigation of MPPT Techniques Under Uniform and Non-Uniform Solar Irradiation Conditionâ€“A Retrospection. IEEE Access, 2020, 8, 127368-127392.	4.2	146
10	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
11	Fuzzy SVPWMâ€based inverter control realisation of grid integrated photovoltaicâ€wind system with fuzzy particle swarm optimisation maximum power point tracking algorithm for a gridâ€connected PV/wind power generation system: hardware implementation. IET Electric Power Applications, 2018, 12, 962-971.	1.8	124
12	An Ant Colony Optimized MPPT for Standalone Hybrid PV-Wind Power System with Single Cuk Converter. Energies, 2019, 12, 167.	3.1	122
13	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
14	A Hybrid Photovoltaic-Fuel Cell for Grid Integration With Jaya-Based Maximum Power Point Tracking: Experimental Performance Evaluation. IEEE Access, 2019, 7, 82978-82990.	4.2	117
15	Comprehensive Review on Detection and Classification of Power Quality Disturbances in Utility Grid With Renewable Energy Penetration. IEEE Access, 2020, 8, 146807-146830.	4.2	112
16	Internet of Things Applications as Energy Internet in Smart Grids and Smart Environments. Electronics (Switzerland), 2019, 8, 972.	3.1	110
17	Survey of DC-DC Non-Isolated Topologies for Unidirectional Power Flow in Fuel Cell Vehicles. IEEE Access, 2020, 8, 178130-178166.	4.2	109
18	Power Consumption Analysis, Measurement, Management, and Issues: A State-of-the-Art Review of Smartphone Battery and Energy Usage. IEEE Access, 2019, 7, 182113-182172.	4.2	100

#	Article	IF	Citations
19	A New Structure of High Voltage Gain SEPIC Converter for Renewable Energy Applications. IEEE Access, 2019, 7, 89857-89868.	4.2	99
20	High Gain Transformer-Less Double-Duty-Triple-Mode DC/DC Converter for DC Microgrid. IEEE Access, 2019, 7, 36353-36370.	4.2	97
21	Non-Isolated High-Gain Triple Port DCâ€“DC Buck-Boost Converter With Positive Output Voltage for Photovoltaic Applications. IEEE Access, 2020, 8, 113649-113666.	4.2	97
22	Single-Phase Step-Up Switched-Capacitor-Based Multilevel Inverter Topology With SHEPWM. IEEE Transactions on Industry Applications, 2021, 57, 3107-3119.	4.9	95
23	Constant Power Loads (CPL) with Microgrids: Problem Definition, Stability Analysis and Compensation Techniques. Energies, 2017, 10, 1656.	3.1	94
24	A Hybrid ANFIS-ABC Based MPPT Controller for PV System With Anti-Islanding Grid Protection: Experimental Realization. IEEE Access, 2019, 7, 103377-103389.	4.2	93
25	Comprehensive Review of Distributed FACTS Control Algorithms for Power Quality Enhancement in Utility Grid With Renewable Energy Penetration. IEEE Access, 2020, 8, 107614-107634.	4.2	93
26	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
27	A Comprehensive Review on Constant Power Loads Compensation Techniques. IEEE Access, 2018, 6, 33285-33305.	4.2	90
28	A Novel Modified Switched Inductor Boost Converter With Reduced Switch Voltage Stress. IEEE Transactions on Industrial Electronics, 2021, 68, 1275-1289.	7.9	86
29	Photovoltaic Integrated Hybrid Microgrid Structured Electric Vehicle Charging Station and Its Energy Management Approach. Energies, 2019, 12, 168.	3.1	84
30	LSTM Recurrent Neural Network Classifier for High Impedance Fault Detection in Solar PV Integrated Power System. IEEE Access, 2021, 9, 32672-32687.	4.2	82
31	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
32	Design and Implementation of Seventeen Level Inverter With Reduced Components. IEEE Access, 2021, 9, 16746-16760.	4.2	76
33	New CUKâ€“SEPIC converter based photovoltaic power system with hybrid GSAâ€“PSO algorithm employing MPPT for water pumping applications. IET Power Electronics, 2020, 13, 2824-2830.	2.1	73
34	Reliability enhancement of electrical power system including impacts of renewable energy sources: a comprehensive review. IET Generation, Transmission and Distribution, 2020, 14, 1799-1815.	2.5	73
35	A Hybrid Photovoltaic-Fuel Cell-Based Single-Stage Grid Integration With Lyapunov Control Scheme. IEEE Systems Journal, 2020, 14, 3334-3342.	4.6	71
36	Review on control techniques and methodologies for maximum power extraction from wind energy systems. IET Renewable Power Generation, 2018, 12, 1609-1622.	3.1	70

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37	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
38	Design and Hardware Implementation Considerations of Modified Multilevel Cascaded H-Bridge Inverter for Photovoltaic System. IEEE Access, 2019, 7, 16504-16524.	4.2	69
39	A Comprehensive Review of Authentication Schemes in Vehicular Ad-Hoc Network. IEEE Access, 2021, 9, 31309-31321.	4.2	66
40	Investigation on Sizing of Voltage Source for a Battery Energy Storage System in Microgrid With Renewable Energy Sources. IEEE Access, 2020, 8, 188861-188874.	4.2	64
41	Wind Generation Forecasting Methods and Proliferation of Artificial Neural Network: A Review of Five Years Research Trend. Sustainability, 2020, 12, 3778.	3.2	58
42	Dynamic Voltage Restorer (DVR): A Comprehensive Review of Topologies, Power Converters, Control Methods, and Modified Configurations. Energies, 2020, 13, 4152.	3.1	56
43	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
44	Internet of things augmented a novel PSOâ€employed modified zeta converterâ€based photovoltaic maximum power tracking system: hardware realisation. IET Power Electronics, 2020, 13, 2775-2781.	2.1	54
45	Pathfinderâ€“Development of Automated Guided Vehicle for Hospital Logistics. IEEE Access, 2017, 5, 26892-26900.	4.2	53
46	Design and Implementation of Multilevel Inverters for Fuel Cell Energy Conversion System. IEEE Access, 2020, 8, 183690-183707.	4.2	53
47	High-Voltage High-Frequency Arbitrary Waveform Multilevel Generator for DBD Plasma Actuators. IEEE Transactions on Industry Applications, 2015, 51, 3334-3342.	4.9	52
48	A Multistage DC-DC Step-Up Self-Balanced and Magnetic Component-Free Converter for Photovoltaic Applications: Hardware Implementation. Energies, 2017, 10, 719.	3.1	52
49	Multi-phase multi-level AC motor drive based on four three-phase two-level inverters. , 2010, , .		51
50	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
51	A simple MPPT algorithm for novel PV power generation system by high output voltage DC-DC boost converter. , 2015, , .		50
52	Large Scale Renewable Energy Integration: Issues and Solutions. Energies, 2019, 12, 1996.	3.1	49
53	Torque ripple minimization of <scp>PMSM</scp> using an adaptive Elman neural networkâ€controlled feedback linearizationâ€based direct torque control strategy. International Transactions on Electrical Energy Systems, 2021, 31, .	1.9	49
54	X-Y converter family: A new breed of buck boost converter for high step-up renewable energy applications. , 2016, , .		48

#	Article	IF	Citations
55	A solar PV water pumping solution using a three-level cascaded inverter connected induction motor drive. Engineering Science and Technology, an International Journal, 2016, 19, 1731-1741.	3.2	48
56	Three-Phase Series Resonant DC-DC Boost Converter With Double LLC Resonant Tanks and Variable Frequency Control. IEEE Access, 2020, 8, 22386-22399.	4.2	48
57	Nature-Inspired MPPT Algorithms for Partially Shaded PV Systems: A Comparative Study. Energies, 2019, 12, 1451.	3.1	47
58	Closed-Loop Control and Performance Evaluation of Reduced Part Count Multilevel Inverter Interfacing Grid-Connected PV System. IEEE Access, 2020, 8, 75691-75701.	4.2	47
59	Energy management strategy for solidâ€state transformerâ€based solar charging station for electric vehicles in smart grids. IET Renewable Power Generation, 2020, 14, 3843-3852.	3.1	47
60	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
61	Authentication Protocol for Cloud Databases Using Blockchain Mechanism. Sensors, 2019, 19, 4444.	3.8	46
62	A New Multilevel Inverter Topology With Reduced Power Components for Domestic Solar PV Applications. IEEE Access, 2020, 8, 187483-187497.	4.2	46
63	Interleaved Multilevel Boost Converter With Minimal Voltage Multiplier Components for High-Voltage Step-Up Applications. IEEE Transactions on Power Electronics, 2020, 35, 12816-12833.	7.9	46
64	A Novel Asymmetrical 21-Level Inverter for Solar PV Energy System With Reduced Switch Count. IEEE Access, 2021, 9, 11761-11775.	4.2	46
65	Real-Time Forecasting of EV Charging Station Scheduling for Smart Energy Systems. Energies, 2017, 10, 377.	3.1	45
66	Review of Health Prognostics and Condition Monitoring of Electronic Components. IEEE Access, 2020, 8, 75163-75183.	4.2	45
67	A State-of-the-Art Review on the Drive of Renewables in Gujarat, State of India: Present Situation, Barriers and Future Initiatives. Energies, 2020, 13, 40.	3.1	45
68	Minimization of Load Variance in Power Gridsâ€”Investigation on Optimal Vehicle-to-Grid Scheduling. Energies, 2017, 10, 1880.	3.1	44
69	A Hybrid Moth-Flame Fuzzy Logic Controller Based Integrated Cuk Converter Fed Brushless DC Motor for Power Factor Correction. Electronics (Switzerland), 2018, 7, 288.	3.1	44
70	Closed-Loop Control and Boundary for CCM and DCM of Nonisolated Inverting NÃ— Multilevel Boost Converter for High-Voltage Step-Up Applications. IEEE Transactions on Industrial Electronics, 2020, 67, 2863-2874.	7.9	44
71	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
72	Exact path delay fault coverage with fundamental zbdd operations. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2003, 22, 305-316.	2.7	41

#	Article	IF	Citations
73	Operational performance of on-grid solar photovoltaic system integrated into pre-fabricated portable cabin buildings in warm and temperate climates. Energy for Sustainable Development, 2020, 57, 109-118.	4.5	41
74	BOLD: Bio-Inspired Optimized Leader Election for Multiple Drones. Sensors, 2020, 20, 3134.	3.8	41
75	Artificial Neural Network and Newton Raphson (ANN-NR) Algorithm Based Selective Harmonic Elimination in Cascaded Multilevel Inverter for PV Applications. IEEE Access, 2021, 9, 75058-75070.	4.2	41
76	Optimal Planning of Electrical Appliance of Residential Units in a Smart Home Network Using Cloud Services. Smart Cities, 2021, 4, 1173-1195.	9.4	41
77	Communication-Less Primary and Secondary Control in Inverter-Interfaced AC Microgrid: An Overview. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5164-5182.	5.4	40
78	Study and Analysis of an Intelligent Microgrid Energy Management Solution with Distributed Energy Sources. Energies, 2017, 10, 1419.	3.1	39
79	A New Triple-Switch-Triple-Mode High Step-Up Converter With Wide Range of Duty Cycle for DC Microgrid Applications. IEEE Transactions on Industry Applications, 2019, 55, 7425-7441.	4.9	39
80	Critical Review of PV Grid-Tied Inverters. Energies, 2019, 12, 1921.	3.1	39
81	Wind Energy Potential Assessment by Weibull Parameter Estimation Using Multiverse Optimization Method: A Case Study of Tirumala Region in India. Energies, 2019, 12, 2158.	3.1	39
82	Optimal Energy Harvesting From a Multistrings PV Generator Based on Artificial Bee Colony Algorithm. IEEE Systems Journal, 2021, 15, 4137-4144.	4.6	39
83	Power Balancing Control for Grid Energy Storage System in Photovoltaic Applicationsâ€"Real Time Digital Simulation Implementation. Energies, 2017, 10, 928.	3.1	38
84	Analysis and Investigation of Hybrid DCâ€"DC Non-Isolated and Non-Inverting Nx Interleaved Multilevel Boost Converter (Nx-IMBC) for High Voltage Step-Up Applications: Hardware Implementation. IEEE Access, 2020, 8, 87309-87328.	4.2	38
85	Investigation of lubrication effect on the backward extrusion of thin-walled rectangular aluminum case with large aspect ratio. Journal of Materials Processing Technology, 2006, 180, 185-192.	6.3	37
86	Analysis and Implementation of Parallel Connected Two-Induction Motor Single-Inverter Drive by Direct Vector Control for Industrial Application. IEEE Transactions on Power Electronics, 2015, 30, 6472-6475.	7.9	37
87	The state-of-the-art of power electronics converters configurations in electric vehicle technologies. , 2022, 1, 100001.		37
88	A Review on Optimization and Control Methods Used to Provide Transient Stability in Microgrids. Energies, 2019, 12, 3582.	3.1	36
89	A multi-control vehicle-to-grid charger with bi-directional active and reactive power capabilities for power grid support. Energy, 2019, 171, 1150-1163.	8.8	36
90	Grid-Tied Photovoltaic and Battery Storage Systems with Malaysian Electricity Tariffâ€"A Review on Maximum Demand Shaving. Energies, 2017, 10, 1884.	3.1	35

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91	Nonisolated Symmetrical Interleaved Multilevel Boost Converter With Reduction in Voltage Rating of Capacitors for High-Voltage Microgrid Applications. IEEE Transactions on Industry Applications, 2019, 55, 7410-7424.	4.9	35
92	Design and implementation of a novel asymmetrical multilevel inverter optimal hardware components. International Transactions on Electrical Energy Systems, 2020, 30, e12201.	1.9	35
93	Optimization configuration of energy storage capacity based on the microgrid reliable output power. Journal of Energy Storage, 2020, 32, 101866.	8.1	35
94	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. IEEE Access, 2018, 6, 70935-70951.	4.2	34
95	Design and Implementation of Multilevel Inverters for Electric Vehicles. IEEE Access, 2021, 9, 317-338.	4.2	34
96	Design and Implementation of 31-Level Asymmetrical Inverter With Reduced Components. IEEE Access, 2021, 9, 22788-22803.	4.2	34
97	Implementation of Wavelet-Based Robust Differential Control for Electric Vehicle Application. IEEE Transactions on Power Electronics, 2015, 30, 6510-6513.	7.9	33
98	A study on the effect of chemically synthesized magnetite nanoparticles on earthworm: Eudrilus eugeniae. Applied Nanoscience (Switzerland), 2017, 7, 17-23.	3.1	33
99	Selective Harmonic Elimination in a Wide Modulation Range Using Modified Newtonâ€“Raphson and Pattern Generation Methods for a Multilevel Inverter. Energies, 2018, 11, 458.	3.1	33
100	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
101	Fuel cellâ€based topologies and multiâ€input DCâ€“DC power converters for hybrid electric vehicles: A comprehensive review. IET Generation, Transmission and Distribution, 2022, 16, 2111-2139.	2.5	33
102	Cyber Attack Detection Based on Wavelet Singular Entropy in AC Smart Islands: False Data Injection Attack. IEEE Access, 2021, 9, 16488-16507.	4.2	32
103	Dual MPPT algorithm for dual PV source fed Open-End Winding Induction Motor Drive for pumping application. Engineering Science and Technology, an International Journal, 2016, 19, 1771-1780.	3.2	31
104	Modified SEPIC DC-to-DC boost converter with high output-gain configuration for renewable applications. , 2017, , .		31
105	A Hybrid PV-Battery System for ON-Grid and OFF-Grid Applicationsâ€”Controller-In-Loop Simulation Validation. Energies, 2020, 13, 755.	3.1	31
106	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
107	Resiliency/Cost-Based Optimal Design of Distribution Network to Maintain Power System Stability Against Physical Attacks: A Practical Study Case. IEEE Access, 2021, 9, 43862-43875.	4.2	31
108	Hybrid PV-Wind, Micro-Grid Development Using Quasi-Z-Source Inverter Modeling and Controlâ€”Experimental Investigation. Energies, 2018, 11, 2277.	3.1	31

#	Article	IF	Citations
109	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
110	Investigation on the Development of a Sliding Mode Controller for Constant Power Loads in Microgrids. Energies, 2017, 10, 1086.	3.1	30
111	An Overview of Energy Scenarios, Storage Systems and the Infrastructure for Vehicle-to-Grid Technology. Energies, 2018, 11, 2174.	3.1	30
112	Control Strategies of Mitigating Dead-time Effect on Power Converters: An Overview. Electronics (Switzerland), 2019, 8, 196.	3.1	30
113	False Data Injection Attack Detection based on Hilbert-Huang Transform in AC Smart Islands. IEEE Access, 2020, 8, 179002-179017.	4.2	30
114	Small-Signal Stability Analysis of Hybrid Power System With Quasi-Oppositional Sine Cosine Algorithm Optimized Fractional Order PID Controller. IEEE Access, 2020, 8, 155971-155986.	4.2	30
115	Infrared Thermography Based Defects Testing of Solar Photovoltaic Panel with Fuzzy Rule-Based Evaluation. Energies, 2020, 13, 1343.	3.1	30
116	A Novel Solar Photovoltaic Fed TransZSI-DVR for Power Quality Improvement of Grid-Connected PV Systems. IEEE Access, 2021, 9, 7263-7279.	4.2	30
117	Modified incremental conductance MPPT algorithm for SPVâ€based gridâ€tied and standâ€alone systems. IET Generation, Transmission and Distribution, 2022, 16, 776-791.	2.5	30
118	A Three-Phase Transformerless T-Type- NPC-MLI for Grid Connected PV Systems with Common-Mode Leakage Current Mitigation. Energies, 2019, 12, 2434.	3.1	29
119	A High Gain DC-DC Converter with Grey Wolf Optimizer Based MPPT Algorithm for PV Fed BLDC Motor Drive. Applied Sciences (Switzerland), 2020, 10, 2797.	2.5	29
120	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
121	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
122	Chelators influenced synthesis of chitosanâ€“carboxymethyl cellulose microparticles for controlled drug delivery. Applied Nanoscience (Switzerland), 2016, 6, 1219-1231.	3.1	28
123	Coordinated Control Strategies for a Permanent Magnet Synchronous Generator Based Wind Energy Conversion System. Energies, 2017, 10, 1493.	3.1	28
124	Investigation and Comparative Analysis of Advanced PWM Techniques for Three-Phase Three-Level NPC-MLI Drives. Electric Power Components and Systems, 2018, 46, 258-269.	1.8	28
125	Dual Solar Photovoltaic Fed Three-Phase Open-End Winding Induction Motor Drive for Water Pumping System Application. Electric Power Components and Systems, 2018, 46, 1896-1911.	1.8	28
126	A Generalized Multilevel Inverter Topology With Reduction of Total Standing Voltage. IEEE Access, 2020, 8, 168941-168950.	4.2	28

#	Article	IF	Citations
127	Reviewâ€"Contemporary Progresses in Carbon-Based Electrode Material in Li-S Batteries. Journal of the Electrochemical Society, 2022, 169, 020530.	2.9	28
128	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
129	Enhancement of Power Quality in Domestic Loads Using Harmonic Filters. IEEE Access, 2020, 8, 197730-197744.	4.2	27
130	Inertia emulation control technique based frequency control of gridâ€connected singleâ€phase rooftop photovoltaic system with battery and supercapacitor. IET Renewable Power Generation, 2020, 14, 1156-1163.	3.1	27
131	A Modified High Voltage Gain Quasi-Impedance Source Coupled Inductor Multilevel Inverter for Photovoltaic Application. Energies, 2020, 13, 874.	3.1	27
132	Design and Analysis of Heavily Doped n+ Pocket Asymmetrical Junction-Less Double Gate MOSFET for Biomedical Applications. Applied Sciences (Switzerland), 2020, 10, 2499.	2.5	27
133	Protection Scheme using Wavelet-Alienation-Neural Technique for UPFC Compensated Transmission Line. IEEE Access, 2021, 9, 13737-13753.	4.2	27
134	Optimized Economic Operation of Microgrid: Combined Cooling and Heating Power and Hybrid Energy Storage Systems. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	2.3	27
135	Non-isolated and inverting Nx multilevel boost converter for photovoltaic DC link applications. , 2016, , .		26
136	A shade dispersion scheme using Latin square arrangement to enhance power production in solar photovoltaic array under partial shading conditions. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	26
137	Performance Analysis of APSO and Firefly Algorithm for Short Term Optimal Scheduling of Multi-Generation Hybrid Energy System. IEEE Access, 2020, 8, 177549-177569.	4.2	26
138	A Hybridization of Cuk and Boost Converter Using Single Switch with Higher Voltage Gain Compatibility. Energies, 2020, 13, 2312.	3.1	26
139	A novel cross-connected multilevel inverter topology for higher number of voltage levels with reduced switch count. International Transactions on Electrical Energy Systems, 2020, 30, e12381.	1.9	26
140	High Gain Switched-Inductor-Double-Leg Converter With Wide Duty Range for DC Microgrid. IEEE Transactions on Industrial Electronics, 2021, 68, 9561-9573.	7.9	26
141	Performance of DVR Using Optimized PI Controller Based Gradient Adaptive Variable Step LMS Control Algorithm. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 155-163.	3.9	26
142	Deep Learning for Fault Diagnostics in Bearings, Insulators, PV Panels, Power Lines, and Electric Vehicle Applicationsâ€"The State-of-the-Art Approaches. IEEE Access, 2021, 9, 41246-41260.	4.2	26
143	Robust Speed Control of an Induction Motor Drive using Wavelet-fuzzy based Self-tuning Multiresolution Controller. International Journal of Computational Intelligence Systems, 2013, 6, 724.	2.7	26
144	High-Voltage DC-DC Converter Topology for PV Energy Utilizationâ€"Investigation and Implementation. Electric Power Components and Systems, 2017, 45, 221-232.	1.8	25

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145	Optimisation of hybrid renewable energy system using iterative filter selection approach. IET Renewable Power Generation, 2017, 11, 1440-1445.	3.1	25
146	Extended Kalman Filter Based Sliding Mode Control of Parallel-Connected Two Five-Phase PMSM Drive System. Electronics (Switzerland), 2018, 7, 14.	3.1	25
147	Costâ€efficient nonisolated threeâ€port DCâ€DC converter for EV/HEV applications with energy storage. International Transactions on Electrical Energy Systems, 2019, 29, e12088.	1.9	25
148	An improved hybrid PVâ€wind power system with MPPT for water pumping applications. International Transactions on Electrical Energy Systems, 2020, 30, e12210.	1.9	25
149	A Comprehensive Analysis and Hardware Implementation of Control Strategies for High Output Voltage DC-DC Boost Power Converter. International Journal of Computational Intelligence Systems, 2017, 10, 140.	2.7	25
150	Class E Power Amplifier Design and Optimization for the Capacitive Coupled Wireless Power Transfer System in Biomedical Implants. Energies, 2017, 10, 1409.	3.1	24
151	Single phase nine level inverter using single DC source supported by capacitor voltage balancing algorithm. IET Power Electronics, 2018, 11, 2319-2329.	2.1	24
152	A Hybrid Algorithm for Recognition of Power Quality Disturbances. IEEE Access, 2020, 8, 229184-229200.	4.2	24
153	Analysis of Wavelet Controller for Robustness in Electronic Differential of Electric Vehicles: An Investigation and Numerical Developments. Electric Power Components and Systems, 2016, 44, 763-773.	1.8	23
154	Modified high voltage conversion inverting cuk DC-DC converter for renewable energy application. , 2017, , .		23
155	Grid Synchronization of a Seven-Phase Wind Electric Generator Using d-q PLL. Energies, 2017, 10, 926.	3.1	23
156	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
157	An implicit path-delay fault diagnosis methodology. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2003, 22, 1399-1408.	2.7	22
158	A critical path selection method for delay testing. , 0, , .		22
159	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
160	An Improved Harmonics Mitigation Scheme for a Modular Multilevel Converter. IEEE Access, 2019, 7, 147244-147255.	4.2	22
161	Conventional and Metaheuristic Optimization Algorithms for Solving Short Term Hydrothermal Scheduling Problem: A Review. IEEE Access, 2021, 9, 25993-26025.	4.2	22
162	Application of Dynamically Search Space Squeezed Modified Firefly Algorithm to a Novel Short Term Economic Dispatch of Multi-Generation Systems. IEEE Access, 2021, 9, 1918-1939.	4.2	22

#	Article	IF	Citations
163	Experimental investigation of fault-tolerant control strategies for quad-inverter converters. , 2012, , .		21
164	Three-phase multilevel inverter configuration for open-winding high power application. , 2015, , .		21
165	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
166	A Modified Step-Up Converter with Small Signal Analysis-Based Controller for Renewable Resource Applications. Applied Sciences (Switzerland), 2020, 10, 102.	2.5	21
167	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
168	Power sharing algorithm for vector controlled six-phase AC motor with four customary three-phase voltage source inverter drive. Engineering Science and Technology, an International Journal, 2015, 18, 408-415.	3.2	20
169	A modified high output-gain cuk converter circuit configuration for renewable applications â€" A comprehensive investigation. , 2017, , .		20
170	Control Strategy for a Grid-Connected Inverter under Unbalanced Network Conditionsâ€"A Disturbance Observer-Based Decoupled Current Approach. Energies, 2017, 10, 1067.	3.1	20
171	DC Grid for Domestic Electrification. Energies, 2019, 12, 2157.	3.1	20
172	An Original Hybrid Multilevel DC-AC Converter Using Single-Double Source Unit for Medium Voltage Applications: Hardware Implementation and Investigation. IEEE Access, 2020, 8, 71291-71301.	4.2	20
173	Enhancement of Security and Handling the Inconspicuousness in IoT Using a Simple Size Extensible Blockchain. Energies, 2020, 13, 1795.	3.1	20
174	System Architecture, Design, and Optimization of a Flexible Wireless Charger for Renewable Energy-Powered Electric Bicycles. IEEE Systems Journal, 2021, 15, 2696-2707.	4.6	20
175	Investigation of Slim Type BLDC Motor Drive with Torque Ripple Minimization using Abridged Space-Vector PWM Control Method. International Journal of Power Electronics and Drive Systems, 2017, 8, 593.	0.6	20
176	Hybrid non-isolated and non inverting Nx interleaved DC-DC multilevel boost converter for renewable energy applications. , 2016, , .		19
177	High gain threeâ€state switching hybrid boost converter for DC microgrid applications. IET Power Electronics, 2019, 12, 3656-3667.	2.1	19
178	Clustering Isolated Nodes to Enhance Network's Life Time of WSNs for IoT Applications. IEEE Systems Journal, 2021, 15, 5654-5663.	4.6	19
179	Control strategy and hardware implementation for DCâ€"DC boost power circuit based on proportionalâ€"integral compensator for high voltage application. Engineering Science and Technology, an International Journal, 2015, 18, 163-170.	3.2	18
180	Non isolated and non-invertingCockcroft-Walton multiplier based hybrid 2Nx interleaved boost converterfor renewable energy applications. , 2016, , .		18

#	Article	IF	Citations
181	Modified boost with switched inductor different configurational structures for DC-DC converter for renewable application. , 2017, , .		18
182	Multistage switched inductor boost converter for renewable energy application. , 2017, , .		18
183	Electric Power Grids Distribution Generation System for Optimal Location and Sizingâ€"A Case Study Investigation by Various Optimization Algorithms. Energies, 2017, 10, 960.	3.1	18
184	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
185	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
186	Simulation of Processes in Dual Three-Phase System on the Base of Four Inverters with Synchronized Modulation. Advances in Power Electronics, 2011, 2011, 1-9.	0.8	17
187	Numerical implementation of wavelet and fuzzy transform IFOC for three-phase induction motor. Engineering Science and Technology, an International Journal, 2016, 19, 96-100.	3.2	17
188	An Improved Multistage Switched Inductor Boost Converter (Improved M-SIBC) for Renewable Energy Applications: A key to Enhance Conversion Ratio. , 2018, , .		17
189	A novel multilevel high gain modified SEPIC DC-to-DC converter for high voltage/low current renewable energy applications. , 2018, , .		17
190	Improving Microgrid Frequency Regulation Based on the Virtual Inertia Concept while Considering Communication System Delay. Energies, 2019, 12, 2016.	3.1	17
191	Modified multilevel buckâ€"boost converter with equal voltage acrosseach capacitor: analysis and experimental investigations. IET Power Electronics, 2019, 12, 3318-3330.	2.1	17
192	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
193	A New Three-Phase Multi-Level Asymmetrical Inverter With Optimum Hardware Components. IEEE Access, 2020, 8, 212515-212528.	4.2	17
194	Real-Time Implementation of Extended Kalman Filter Observer With Improved Speed Estimation for Sensorless Control. IEEE Access, 2021, 9, 50452-50465.	4.2	17
195	A comprehensive review on IoTâ€based infrastructure for smart grid applications. IET Renewable Power Generation, 2021, 15, 3761-3776.	3.1	17
196	Automated Distribution Networks Reliability Optimization in the Presence of DG Units Considering Probability Customer Interruption: A Practical Case Study. IEEE Access, 2021, 9, 98490-98505.	4.2	17
197	Efficient identification of (critical) testable path delay faults using decision diagrams. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2005, 24, 77-87.	2.7	16
198	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

#	Article	IF	Citations
199	Double Stage Double Output DCâ€“DC Converters for High Voltage Loads in Fuel Cell Vehicles. Energies, 2019, 12, 3681.	3.1	16
200	Effective Management System for Solar PV Using Real-Time Data with Hybrid Energy Storage System. Applied Sciences (Switzerland), 2020, 10, 1108.	2.5	16
201	Future Trends and Aging Analysis of Battery Energy Storage Systems for Electric Vehicles. Sustainability, 2021, 13, 13779.	3.2	16
202	An adaptive TSâ€fuzzy model based RBF neural network learning for grid integrated photovoltaic applications. IET Renewable Power Generation, 2022, 16, 3149-3160.	3.1	16
203	Fault-tolerant control strategies for quad inverter induction motor drives with one failed inverter. , 2012, , .		15
204	Novel Wavelet-Fuzzy Based Indirect Field Oriented Control of Induction Motor Drives. Journal of Power Electronics, 2013, 13, 656-668.	1.5	15
205	Analysis and implementation of power management and control strategy for six-phase multilevel ac drive system in fault condition. Engineering Science and Technology, an International Journal, 2016, 19, 31-39.	3.2	15
206	Transistor-Clamped Multilevel H-Bridge Inverter in Si and SiC Hybrid Configuration for High-Efficiency Photovoltaic Applications. , 2018, , .		15
207	Rescheduling of Generators with Pumped Hydro Storage Units to Relieve Congestion Incorporating Flower Pollination Optimization. Energies, 2019, 12, 1477.	3.1	15
208	Active Power Decoupling for Current Source Converters: An Overview Scenario. Electronics (Switzerland), 2019, 8, 197.	3.1	15
209	Computational Tools for Modeling and Analysis of Power Generation and Transmission Systems of the Smart Grid. IEEE Systems Journal, 2020, 14, 3641-3652.	4.6	15
210	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
211	Non-Isolated DCâ€“DC Power Converter With High Gain and Inverting Capability. IEEE Access, 2021, 9, 62084-62092.	4.2	15
212	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
213	Energy Conservation Approach for Continuous Power Quality Improvement: A Case Study. IEEE Access, 2021, 9, 146959-146969.	4.2	15
214	New 2LC-Y DC-DC converter topologies for high-voltage/low-current renewable applications: New members of X-Y converter family. , 2017, , .		14
215	Frequency Splitting Elimination and Cross-Coupling Rejection of Wireless Power Transfer to Multiple Dynamic Receivers. Applied Sciences (Switzerland), 2018, 8, 179.	2.5	14
216	Investigations of AC Microgrid Energy Management Systems Using Distributed Energy Resources and Plug-in Electric Vehicles. Energies, 2019, 12, 2834.	3.1	14

#	Article	IF	Citations
217	Novel Non-Isolated Quad-Switched Inductor Double-Switch Converter for DC Microgrid Application. , 2020, , .		14
218	Combined Harmonic Reduction and DC Voltage Regulation of A Single DC Source Five-Level Multilevel Inverter for Wind Electric System. Electronics (Switzerland), 2020, 9, 979.	3.1	14
219	Design and implementation of an improved sinusoidal controller for a two-phase enhanced impedance source boost inverter. Computers and Electrical Engineering, 2020, 83, 106575.	4.8	14
220	Fault Investigation in Cascaded H-Bridge Multilevel Inverter through Fast Fourier Transform and Artificial Neural Network Approach. Energies, 2020, 13, 1299.	3.1	14
221	<scp>PSO</scp> optimized <scp>PI</scp> controlled <scp>DCâ€ĐDC</scp> buck converterâ€based protonâ€exchange membrane fuel cell emulator for testing of <scp>MPPT</scp> algorithm and battery charger controller. International Transactions on Electrical Energy Systems, 2021, 31, e12754.	1.9	14
222	Implementation of APSO and Improved APSO on Non-Cascaded and Cascaded Short Term Hydrothermal Scheduling. IEEE Access, 2021, 9, 77784-77797.	4.2	14
223	Controller Parameters Optimization for Multi-Terminal DC Power System Using Ant Colony Optimization. IEEE Access, 2021, 9, 59910-59919.	4.2	14
224	Highâ€power DCâ€ĐDC converter with proposed HSFNA MPPT for photovoltaic based ultraâ€fast charging system of electric vehicles. IET Renewable Power Generation, 0, , .	3.1	14
225	A New Approach For FEM Simulation of NC Machining Processes. AIP Conference Proceedings, 2004, , .	0.4	13
226	Quad-inverter configuration for multi-phase multi-level AC motor drives. , 2010, , .		13
227	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
228	L-L multilevel boost converter topology for renewable energy applications: A new series voltage multiplier L-L converter of XY family. , 2017, , .		13
229	Development of Sliding Mode Controller for a Modified Boost Ä†uk Converter Configuration. Energies, 2017, 10, 1513.	3.1	13
230	Modeling of Five-Phase, Self-Excited Induction Generator for Wind Mill Application. Electric Power Components and Systems, 2018, 46, 353-363.	1.8	13
231	Centrifugal Pump Cavitation Detection Using Machine Learning Algorithm Technique. , 2018, , .		13
232	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
233	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
234	Ceiling Fan Drivesâ€"Past, Present and Future. IEEE Access, 2021, 9, 44888-44904.	4.2	13

#	Article	IF	Citations
235	Design and Control of Grid-Connected PWM Rectifiers by Optimizing Fractional Order PI Controller Using Water Cycle Algorithm. IEEE Access, 2021, 9, 125941-125954.	4.2	13
236	Spider Community Optimization Algorithm to Determine UPFC Optimal Size and Location for Improve Dynamic Stability. , 2021, , .		13
237	Determination of Power Transformers Health Index Using Parameters Affecting the Transformerâ€™s Life. IETE Journal of Research, 2023, 69, 8467-8488.	2.6	13
238	Optimized carrier based multilevel generated modified dual three-phase open-winding inverter for medium power application. , 2016, , .		12
239	Comparative analysis of common MPPT techniques for solar PV system with soft switched, interleaved isolated converter. , 2017, , .		12
240	Transistor Clamped Five-Level Inverter using Non-Inverting Double Reference Single Carrier PWM Technique for photovoltaic applications. , 2017, , .		12
241	Module Based Floorplanning Methodology to Satisfy Voltage Island and Fixed Outline Constraints. Electronics (Switzerland), 2018, 7, 325.	3.1	12
242	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
243	Singleâ€phase hybrid multilevel inverter topology with low switching frequency modulation techniques for lower order harmonic elimination. IET Power Electronics, 2020, 13, 4117-4127.	2.1	12
244	Reviewâ€”Carbon Electrodes in Magnesium Sulphur Batteries: Performance Comparison of Electrodes and Future Directions. Journal of the Electrochemical Society, 2021, 168, 120555.	2.9	12
245	Performance Evaluation of Solar-PV-Based Non-Isolated Switched-Inductor and Switched-Capacitor High-Step-Up Cuk Converter. Electronics (Switzerland), 2022, 11, 1381.	3.1	12
246	A novel 2L-Y DC-DC converter topologies for high conversion ratio renewable application. , 2017, , .		11
247	A novel switched inductor configuration for modified SEPIC DC-to-DC converter for renewable energy application. , 2017, , .		11
248	Real-Time Analysis of a Modified State Observer for Sensorless Induction Motor Drive Used in Electric Vehicle Applications. Energies, 2017, 10, 1077.	3.1	11
249	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
250	Software Architectures for Smart Grid Systemâ€”A Bibliographical Survey. Energies, 2019, 12, 1183.	3.1	11
251	Experimental Investigation of Power Signatures for Cavitation and Water Hammer in an Industrial Parallel Pumping System. Energies, 2019, 12, 1351.	3.1	11
252	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

#	Article	IF	Citations
253	Gallium Nitride Power Electronic Devices Modeling Using Machine Learning. IEEE Access, 2020, 8, 119654-119667.	4.2	11
254	Identification of Water Hammering for Centrifugal Pump Drive Systems. Applied Sciences (Switzerland), 2020, 10, 2683.	2.5	11
255	Robust Queen Bee Assisted Genetic Algorithm (QBGA) Optimized Fractional Order PID (FOPID) Controller for Not Necessarily Minimum Phase Power Converters. IEEE Access, 2021, 9, 93331-93337.	4.2	11
256	Rule-Based Inferential System for Microgrid Energy Management System. IEEE Systems Journal, 2022, 16, 1582-1591.	4.6	11
257	A review on shortâ€term load forecasting models for microâ€grid application. Journal of Engineering, 2022, 2022, 665-689.	1.1	11
258	Classification of fault analysis of HVDC systems using artificial neural network. , 2014, , .		10
259	Wavelet-fuzzy speed indirect field oriented controller for three-phase AC motor drive â€“ Investigation and implementation. Engineering Science and Technology, an International Journal, 2016, 19, 1099-1107.	3.2	10
260	A high gain modified SEPIC DC-to-DC boost converter for renewable energy application. , 2017, , .		10
261	Three-stage control architecture for cascaded H-Bridge inverters in large-scale PV systems â€“ Real time simulation validation. Applied Energy, 2018, 229, 1111-1127.	10.1	10
262	Investigations on EMI Mitigation Techniques: Intent to Reduce Grid-Tied PV Inverter Common Mode Current and Voltage. Energies, 2019, 12, 3395.	3.1	10
263	Electric Vehicle Charge Stations Location Analysis and Determinationâ€"Ankara (Turkey) Case Study. Energies, 2019, 12, 3472.	3.1	10
264	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. Energies, 2020, 13, 4212.	3.1	10
265	Performance characteristics and reliability assessment of selfâ€excited induction generator for wind power generation. IET Renewable Power Generation, 2021, 15, 1927-1942.	3.1	10
266	A multivariable transmission line protection scheme using signal processing techniques. IET Generation, Transmission and Distribution, 2021, 15, 3115-3137.	2.5	10
267	Mitigation of Complex Non-Linear Dynamic Effects in Multiple Output Cascaded DC-DC Converters. IEEE Access, 2021, 9, 54602-54612.	4.2	10
268	Analysis, Design and Investigation on a New Single-Phase Switched Quasi Z-Source Inverter for Photovoltaic Application. International Journal of Power Electronics and Drive Systems, 2017, 8, 853.	0.6	10
269	An adaptive-neuro fuzzy inference system based-hybrid technique for performing load disaggregation for residential customers. Scientific Reports, 2022, 12, 2384.	3.3	10
270	A review on non-isolated low-power DCâ€“DC converter topologies with high output gain for solar photovoltaic system applications. Clean Energy, 2022, 6, 557-572.	3.2	10

#	Article	IF	Citations
271	Extra-High-Voltage DC-DC Boost Converters Topology with Simple Control Strategy. Modelling and Simulation in Engineering, 2008, 2008, 1-8.	0.7	9
272	A novel double quad-inverter configuration for multilevel twelve-phase open-winding converter. , 2016, , .		9
273	Direct vector controlled six-phase asymmetrical induction motor with power balanced space vector PWM multilevel operation. International Journal of Power and Energy Conversion, 2016, 7, 57.	0.3	9
274	Comparative study of photovoltaic based power converter topologies for pumping applications. , 2017, , .		9
275	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
276	Control Architecture for Cascaded H-Bridge Inverters in Large-Scale PV Systems. Energy Procedia, 2018, 145, 549-557.	1.8	9
277	Feedforward Finite Control Set Model Predictive Position Control of PMSM. , 2018, , .		9
278	Conceptual Framework of Antecedents to Trends on Permanent Magnet Synchronous Generators for Wind Energy Conversion Systems. Energies, 2019, 12, 2616.	3.1	9
279	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
280	Optimization of PV-Wind-Battery Storage Microgrid System Utilizing a Genetic Algorithm. , 2019, , .		9
281	Implementation of highâ€gain nonisolated DCâ€DC converter for PVâ€fed applications. International Transactions on Electrical Energy Systems, 2020, 30, e12165.	1.9	9
282	Design and prototyping of singleâ€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
283	Development of Stand-Alone Green Hybrid System for Rural Areas. Sustainability, 2020, 12, 3808.	3.2	9
284	Genetic algorithm based reference current control extraction based shunt active power filter. International Transactions on Electrical Energy Systems, 2021, 31, .	1.9	9
285	Layout optimisation algorithms and reliability assessment of wind farm for microgrid integration: A comprehensive review. IET Renewable Power Generation, 2021, 15, 2063-2084.	3.1	9
286	Modelling, analysis, and implementation of a switchedâ€inductor based DC/DC converter with reduced switch current stress. IET Power Electronics, 2021, 14, 1504-1514.	2.1	9
287	Design and Characteristic Investigation of Novel Dual-Stator V-Shaped Magnetic Pole Six-Phase Permanent Magnet Synchronous Generator for Wind Power Application. Electric Power Components and Systems, 2020, 48, 1537-1550.	1.8	9
288	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

#	Article	IF	Citations
289	Modified demagnetisation control strategy for lowâ€voltage rideâ€through enhancement in DFIGâ€based wind systems. IET Renewable Power Generation, 2020, 14, 3487-3499.	3.1	9
290	A Multilevel Inverter Topology Using Diode Half-Bridge Circuit with Reduced Power Component. Energies, 2021, 14, 7249.	3.1	9
291	Marine predator algorithm based PDâ€(1+PI) controller for frequency regulation in multiâ€microgrid system. IET Renewable Power Generation, 2022, 16, 2136-2151.	3.1	9
292	Fuzzy Logic-Based Pitch Angle Controller for PMSG-Based Wind Energy Conversion System. Lecture Notes in Electrical Engineering, 2018, , 277-286.	0.4	8
293	Health Monitoring System of Solar Photovoltaic Panel: An Internet of Things Application. Lecture Notes in Electrical Engineering, 2018, , 347-355.	0.4	8
294	Control of High Gain Modified SEPIC Converter: A Constant Switching Frequency Modulation Sliding Mode Controlling Technique. , 2018, , .		8
295	Power Quality Performance Analysis of grid tied PV fed Parallel Pumping System under Normal and Vibrating Condition. Energy Procedia, 2018, 145, 497-503.	1.8	8
296	Conducted Electromagnetic Interference Spectral Peak Mitigation in Luo-Converter Using FPGA-Based Chaotic PWM Technique. Electric Power Components and Systems, 2019, 47, 838-848.	1.8	8
297	Full Bridge LLC Resonant Three-Phase Interleaved Multi Converter For HV Applications. , 2019, , .		8
298	Insulation condition assessment of highâ€voltage rotating machines using hybrid techniques. IET Generation, Transmission and Distribution, 2019, 13, 171-180.	2.5	8
299	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
300	Energy Framework and Policy Direction Guidelines: Ghana 2017â€“2050 Perspectives. IEEE Access, 2020, 8, 152851-152869.	4.2	8
301	Design and Implementation of Asymmetric Cascaded Multilevel Inverter with Optimal Components. Electric Power Components and Systems, 2021, 49, 361-374.	1.8	8
302	Double stage converter with low current stress for low to high voltage conversion in nanogrid. Energy Reports, 2021, 7, 5710-5721.	5.1	8
303	Five-phase five-level open-winding/star-winding inverter drive for low-voltage/high-current applications. , 2016, , .		7
304	An isolated/non-isolated novel multilevel inverter configuration for a dual three-phase symmetrical/asymmetrical star-winding converter. Engineering Science and Technology, an International Journal, 2016, 19, 1763-1770.	3.2	7
305	Single-phase seven-level stack multicell converter using level shifting SPWM technique. , 2016, , .		7
306	A New DC-DC Multilevel Breed of XY Converter Family for Renewable Energy Applications: LY Multilevel Structured Boost Converter. , 2018, , .		7

#	Article	IF	Citations
307	Reconfiguration of a Multilevel Inverter with Trapezoidal Pulse Width Modulation. Energies, 2018, 11, 2148.	3.1	7
308	Systematic Implementation of Multi-Phase Power Supply (Three to Six) Conversion System. Electronics (Switzerland), 2019, 8, 109.	3.1	7
309	Power Loss Analysis of Solar Photovoltaic Integrated Model Predictive Control Based On-Grid Inverter. Energies, 2020, 13, 4669.	3.1	7
310	Implementation of Optimization-Based PI Controller Tuning for Non-Ideal Differential Boost Inverter. IEEE Access, 2021, 9, 58677-58688.	4.2	7
311	Optimal Economic Modelling of Hybrid Combined Cooling, Heating, and Energy Storage System Based on Gravitational Search Algorithm-Random Forest Regression. Complexity, 2021, 2021, 1-13.	1.6	7
312	Analysis and optimisation of a dieselâ€PVâ€windâ€electric storage system for a standalone power solution. IET Renewable Power Generation, 2020, 14, 4053-4062.	3.1	7
313	Design optimization of a fixed wing aircraft. Advances in Aircraft and Spacecraft Science, 2017, 4, 65-80.	0.5	7
314	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
315	Efficient Multi-Phase Converter for E-Mobility. World Electric Vehicle Journal, 2022, 13, 67.	3.0	7
316	A Hybrid Scheme for Fault Locating for Transmission Lines with TCSC. , 2022, , .		7
317	Using BDDs and ZBDDs for efficient identification of testable path delay faults. , 0, , .		6
318	Design and simulation of fuzzy controller for a grid connected stand alone PV system. , 2008, , .		6
319	Vector control of a three-phase parallel connected two motor single inverter speed sensorless drive. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 4027-4041.	1.4	6
320	Analysis of enhancement in available power transfer capacity by STATCOM integrated SMES by numerical simulation studies. Engineering Science and Technology, an International Journal, 2016, 19, 671-675.	3.2	6
321	Electric field analysis of extra high voltage (EHV) underground cables using finite element method. , 2017, , .		6
322	Analysis of high voltage-gain hybrid DC-DC power converter with RBFN based MPPT for renewable photovoltaic applications. , 2017, , .		6
323	Performance Analysis of Gene Expression Data Using Mannâ€“Whitney U Test. Lecture Notes in Electrical Engineering, 2018, , 701-709.	0.4	6
324	L-L Converter for Fuel Cell Vehicular Power Train Applications: Hardware Implementation of Primary Member of X-Y Converter Family. , 2018, , .		6

#	Article	IF	Citations
325	Estimation of Energy Activity and Flexibility Range in Smart Active Residential Building. Smart Cities, 2019, 2, 471-495.	9.4	6
326	Location-Based Optimized Service Selection for Data Management with Cloud Computing in Smart Grids. Energies, 2019, 12, 4517.	3.1	6
327	Two-Tier Converter: A New Structure of High Gain DC-DC Converter with Reduced Voltage Stress. , 2020, , .		6
328	Investigation of a Transistor Clamped T-Type Multilevel H-Bridge Inverter With Inverted Double Reference Single Carrier PWM Technique for Renewable Energy Applications. IEEE Access, 2020, 8, 161787-161804.	4.2	6
329	Implementation of Designed PV Integrated Controlled Converter System. IEEE Access, 2020, 8, 100905-100915.	4.2	6
330	A Novel Sensorless Approach for Speed and Displacement Control of Bearingless Switched Reluctance Motor. Applied Sciences (Switzerland), 2020, 10, 4070.	2.5	6
331	Carrier Shifting Algorithms for the Mitigation of Circulating Current in Diode Clamped MLI fed Induction Motor Drive. International Journal of Power Electronics and Drive Systems, 2017, 8, 844.	0.6	6
332	Evaluation of ancillary services in distribution grid using largeâ€scale battery energy storage systems. IET Renewable Power Generation, 2020, 14, 4216-4222.	3.1	6
333	Performance Evaluation of a MW-Size Grid-Connected Solar Photovoltaic Plant Considering the Impact of Tilt Angle. Sustainability, 2022, 14, 1444.	3.2	6
334	Scott-Tied Magnetically Linked Solar Multilevel Converter in Varying Environmental Conditions. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 559-571.	3.9	6
335	A PWM Current Source Rectifier with Leading Power Factor. , 2006, , .		5
336	Wavelet transform with fuzzy tuning based indirect field oriented speed control of three-phase induction motor drive. , 2015, , .		5
337	Hextuple-inverter configuration for multilevel nine-phase symmetrical open-winding converter. , 2016, , .		5
338	An efficient flux weakening control strategy of a speed controlled permanent magnet synchronous motor drive for light electric vehicle applications. , 2017, , .		5
339	Impact of Power Quality Disturbances on Grid-Connected Double Fed Induction Generator. Lecture Notes in Electrical Engineering, 2018, , 339-345.	0.4	5
340	Investigations of Microgrid Stability and Optimum Power Sharing Using Robust Control of Grid Tie PV Inverter. Lecture Notes in Electrical Engineering, 2018, , 379-387.	0.4	5
341	Dual Six-Phase Multilevel AC Drive with Single Carrier Optimized Five-Level PWM for Star-Winding Configuration. Lecture Notes in Electrical Engineering, 2018, , 733-740.	0.4	5
342	Linear Synchronous Reluctance Motorâ€"A Comprehensive Review. Lecture Notes in Electrical Engineering, 2018, , 45-70.	0.4	5

#	Article	IF	Citations
343	L-L and L-2L Multilevel Boost Converter Topologies with Voltage Multiplier with L-L and L-2L Converter of XY Familiy. , 2018, , .		5
344	A Buck-Chopper Based Energy Storage System for the Cascaded H-Bridge Inverters in PV Applications. Energy Procedia, 2018, 145, 534-541.	1.8	5
345	Design and Controller-In-Loop Simulations of a Low Cost Two-Stage PV-Simulator. Energies, 2018, 11, 2774.	3.1	5
346	Hardware Implementation of a New Single Input Double Output L-L Converter for High Voltage Auxiliary Loads in Fuel-cell Vehicles. , 2019, , .		5
347	XL Converters- New Series of High Gain DC-DC Converters for Renewable Energy Conversion. , 2019, , .		5
348	A New Multilevel Member of Modified CUK Converter Family for Renewable Energy Applications. , 2019, , .		5
349	Simulation Analysis of a Nearest Level Modulation Scheme for Cross-Connected Sources based MLI. , 2019, , .		5
350	Novel Hybrid High Gain Converter: Combination of Cuk and Buck-Boost Structures with Switched Inductor for DC Microgrid. , 2020, , .		5
351	A Novel Nine and Seventeen-Step Multilevel Inverters with Condensed Switch Count. , 2020, , .		5
352	A New Perspective of Wind Power Grid Codes Under Unbalanced and Distorted Grid Conditions. IEEE Access, 2020, 8, 15931-15944.	4.2	5
353	Estimation of Islanding Events in Utility Distribution Grid With Renewable Energy Using Current Variations and Stockwell Transform. IEEE Access, 2021, 9, 69798-69813.	4.2	5
354	Multilevel Converter Applications in the Area of Renewable Energy, More-Electric Propulsion, Electric Vehicles and Power Grid Integration. IEEE Transactions on Industry Applications, 2021, 57, 3050-3051.	4.9	5
355	Double-switch switched-inductor converter with minimal switch voltage stress for renewable energy conversion. Computers and Electrical Engineering, 2022, 98, 107682.	4.8	5
356	Framework for User-Centered Access to Electric Charging Facilities via Energy-Trading Blockchain. , 2021, , .		5
357	An Energy-Efficient Start-Up Strategy for Large Variable Speed Hydro Pump Turbine Equipped with Doubly Fed Asynchronous Machine. Energies, 2022, 15, 3138.	3.1	5
358	Exact grading of multiple path delay faults. , 0, , .		4
359	Performance analysis of AC-DC-AC converter as matrix converter. , 2006, , .		4
360	Synchronous PWM control of triple transformer-connected inverters for photovoltaic system. , 2016, , .		4

#	Article	IF	Citations
361	Multiphase quad-inverter system with feedforward synchronous PWM and nonlinear voltage regulation. , 2016, , .		4
362	Dual mode control of inverter to integrate solar-wind hybrid fed DC-grid with distributed AC grid. , 2016, , .		4
363	Coordinated DTC and VOC control for PMSG based grid connected wind energy conversion system. , 2017, , .		4
364	Comparison Between PI Controller and Fuzzy Logic-Based Control Strategies for Harmonic Reduction in Grid-Integrated Wind Energy Conversion System. Lecture Notes in Electrical Engineering, 2018, , 297-306.	0.4	4
365	Decoupled Active and Reactive Power Control of Cascaded H-Bridge PV Inverter for Grid-Connected Applications. Lecture Notes in Electrical Engineering, 2018, , 315-323.	0.4	4
366	Buckâ€“Boost Current Converter Using Duality Concept and Its DC Transformer Modelling. Lecture Notes in Electrical Engineering, 2018, , 315-324.	0.4	4
367	Particle Swarm Optimization-Based Closed-Loop Optimal State Feedback Control for CSTR. Lecture Notes in Electrical Engineering, 2018, , 469-479.	0.4	4
368	Meter Placement in Power System Networkâ€”A Comprehensive Review, Analysis and Methodology. Electronics (Switzerland), 2018, 7, 329.	3.1	4
369	Investigations of power quality disturbances in a variable speed parallel pumping system with grid tied solar PV. Energy Procedia, 2018, 145, 490-496.	1.8	4
370	The Fuzzy System as a Promising Tool for Drugs Selection in Medical Practice. IEEE Access, 2018, 6, 27294-27301.	4.2	4
371	Distribution of the Strip Tensions with Slip Control in Strip Processing Lines. Energies, 2019, 12, 3010.	3.1	4
372	Economic Analysis of HRES Systems with Energy Storage During Grid Interruptions and Curtailment in Tamil Nadu, India: A Hybrid RBFNOEHO Technique. Energies, 2019, 12, 3047.	3.1	4
373	Multiple Modulation Strategy of Flying Capacitor DC/DC Converter. Electronics (Switzerland), 2019, 8, 774.	3.1	4
374	Small-Signal Stability Analysis for Microgrids Under Uncertainty Using MALANN Control Technique. IEEE Systems Journal, 2021, 15, 3797-3807.	4.6	4
375	A State-of-the-Art Review on Solar-Powered Energy-Efficient PMSM Drive Smart Electric Vehicle for Sustainable Development. Green Energy and Technology, 2020, , 231-258.	0.6	4
376	E ^K Î¸ multilevel inverter â€“ a minimal switch novel configuration for higher number of output voltage levels. IET Power Electronics, 2020, 13, 2804-2815.	2.1	4
377	Flying capacitor voltage balance and neutral point voltage regulation of PV array fed active neutral point clamped converter in realâ€time HIL. IET Power Electronics, 2020, 13, 2816-2823.	2.1	4
378	An experimental performance verification of continuous mixed Pâ€norm based adaptive asymmetrical fuzzy logic controller for single stage photovoltaic grid integration. IET Renewable Power Generation, 0, , .	3.1	4

#	Article	IF	Citations
379	AI and ML Powered IoT Applications for Energy Management in Electric Vehicles. Wireless Personal Communications, 2022, 126, 1223-1239.	2.7	4
380	Exact path delay grading with fundamental BDD operations. , 0, , .		3
381	An Increase of a Down-Hole Nuclear Magnetic Resonance Toolâ€™s Reliability and Accuracy by the Cancellation of a Multi-Module DC/AC Converterâ€™s Outputâ€™s Higher Harmonics. IEEE Access, 2016, 4, 7912-7920.	4.2	3
382	A bio-inspired novel optimization technique for reactive power flow. Engineering Science and Technology, an International Journal, 2016, 19, 1682-1692.	3.2	3
383	Realization of 5-bus system using soft computing technique for flexible alternating current transmission system (FACTS) devices. , 2017, , .		3
384	On the structural implementation of magnetic levitation windmill. , 2017, , .		3
385	Investigating the effects of selecting different slack bus on power systems. , 2017, , .		3
386	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. Energies, 2017, 10, 1757.	3.1	3
387	A Review on Grid Codes and Reactive Power Management in Power Grids with WECS. Lecture Notes in Electrical Engineering, 2018, , 525-539.	0.4	3
388	Direct-Coupled Permanent Magnet DC Motor-Driven Solar Photovoltaic Water Pumping Systemâ€”A Literature Review. Lecture Notes in Electrical Engineering, 2018, , 307-314.	0.4	3
389	Fuzzy-Based Microgrid Energy Management System Using Interleaved Boost Converter and Three-Level NPC Inverter with Improved Grid Voltage Quality. Lecture Notes in Electrical Engineering, 2018, , 325-337.	0.4	3
390	Design and Implementation of Solar-Powered Low-Cost Model for Greenhouse System. Lecture Notes in Electrical Engineering, 2018, , 357-365.	0.4	3
391	Model Predictive Current Control of Single-Phase 13-Level Transistor-Clamped H-Bridge Based Cascaded Multilevel Inverter. Lecture Notes in Electrical Engineering, 2018, , 597-608.	0.4	3
392	Brushless DC Electric Motor Speed Control and Power Factor Correction Using Single-Ended Primary Inductor Converter. Lecture Notes in Electrical Engineering, 2018, , 431-438.	0.4	3
393	Investigation of Direct Torque Control-Based Synchronous Reluctance Motor Drive for Pumping. Lecture Notes in Electrical Engineering, 2018, , 319-327.	0.4	3
394	Modeling and Simulation of Synchronous Reluctance Motor for Pumping Application Using Field-Oriented Control. Lecture Notes in Electrical Engineering, 2018, , 329-336.	0.4	3
395	PLC-Based Modeling and Control of Heat Exchanger. Lecture Notes in Electrical Engineering, 2018, , 355-364.	0.4	3
396	Technical Constraints of Integrating Net Energy Metering from the Malaysian Perspective. , 2018, , .		3

#	Article	IF	Citations
397	An ANFIS Artificial Technique Based Maximum Power Tracker for Standalone Photovoltaic Power Generation. , 2018, , .		3
398	Unipolar Single Reference Multicarrier Sinusoidal Pulse Width Modulation Based 7-level Inverter with Reduced Number of Semiconductor Switches for Renewable Energy Applications. , 2018, , .		3
399	Disturbance Observer Based Power Control of DFIG Under Unbalanced Network Conditions. Electric Power Components and Systems, 2018, 46, 1448-1461.	1.8	3
400	Novel immense configurations of boost converter for renewable energy application. Journal of Engineering, 2019, 2019, 4884-4889.	1.1	3
401	New DC-DC Multilevel Configurations of 2L-Y Boost Converters with High Voltage Conversion Ratio for Renewable Energy Applications. , 2019, , .		3
402	Quazi Z-Source Single Stage High Step-Up DC-DC Converter for Grid-connected PV Application. , 2019, , .		3
403	Advanced Digital Signal Processing Based Transmission Line Fault Detection and Classification. , 2019, , .		3
404	A Single-Source High-Gain Switched-Capacitor Multilevel Inverter with Inherent Voltage Balancing. , 2020, , .		3
405	Chain of X-Y Power Novel DC-DC Converters with Synchronous Grounded Switching for High Step-Up Renewable Power Applications. , 2020, , .		3
406	A Modified Boost Converter with Triswitching State and VLSI module for DC Nanogrid Application. , 2020, , .		3
407	Realizing a Novel Friction Stir Processing-Enabled FWTPET Process for Strength Enhancement Using Firefly and PSO Methods. Materials, 2020, 13, 728.	2.9	3
408	A Novel Neutral Point Clamped Symmetrical Boost Inverters with Reduced Components. , 2021, , .		3
409	Application of random matrix model in multiple abnormal sources detection and location based on PMU monitoring data in distribution network. IET Generation, Transmission and Distribution, 2020, 14, 6476-6483.	2.5	3
410	Line start synchronous reluctance motor with improved power factor for agriculture electric pump applications. Journal of Engineering, 2022, 2022, 295-310.	1.1	3
411	Impact of stator slot geometry on the windage loss in a highâ€speed linear switched reluctance motor. IET Electric Power Applications, 2022, 16, 447-462.	1.8	3
412	Design and Performance Analysis of Four Plates Capacitive Coupler for Electric Vehicle On-Road Wireless Charging. , 2021, , .		3
413	Transfer function modeling of parallel connected two three-phase induction motor implementation using LabView platform. , 2015, , .		2
414	A novel five-level optimized carrier multilevel PWM quad-inverter six-phase AC drive. , 2016, , .		2

#	Article	IF	Citations
415	Isolated/non-isolated quad-inverter configuration for multilevel symmetrical/asymmetrical dual six-phase star-winding converter. , 2016, , .		2
416	Disturbance-observer based control of voltage-source-converter under unbalanced voltage conditions. World Journal of Engineering, 2017, 14, 522-531.	1.6	2
417	Model based predictive control with a fixed switching frequency applied to a single-phase cascade H-bridge multilevel STATCOM. , 2017, , .		2
418	A New Pulse Width Modulation Technique with Hybrid Carrier Arrangement for Multilevel Inverter Topology. Lecture Notes in Electrical Engineering, 2018, , 37-44.	0.4	2
419	Comparative Analysis of DC/DC Converters with MPPT Techniques Based PV System. Lecture Notes in Electrical Engineering, 2018, , 275-284.	0.4	2
420	2.4ÂkW Three-Phase Inverter for Aircraft Application-Hardware Implementation. Lecture Notes in Electrical Engineering, 2018, , 325-335.	0.4	2
421	Digitally Controlled Hybrid Liquid Level Detection System Using Programmable Logic Controller and Microcontroller. Lecture Notes in Electrical Engineering, 2018, , 365-374.	0.4	2
422	The Performance Enhancement of Statistically Significant Bicluster Using Analysis of Variance. Lecture Notes in Electrical Engineering, 2018, , 671-678.	0.4	2
423	Dimensionality Reduction of Facial Features to Recognize Emotion State. Lecture Notes in Electrical Engineering, 2018, , 719-725.	0.4	2
424	Modified (2/1-k) output gain Ä†uk DC-to-DC converter circuit for renewable power applications. , 2018, , .		2
425	Optimal Allocation of Multiple Distributed Generators And Shunt Capacitors In Distribution System Using Flower Pollination Algorithm. , 2019, , .		2
426	New High Gain 2LC-Y Multilevel-Boost-Converter (2LC-Y MBC) Topologies for Renewable Energy Conversion: Members of X-Y Converter Family. , 2019, , .		2
427	Performance Analysis of Single-Phase Electrical Machine for Military Applications. Energies, 2019, 12, 2285.	3.1	2
428	A Non-Isolated Inverting High Gain Modified New Series of Landsman Converter. , 2019, , .		2
429	Comparative Study of Cavitation Problem Detection in Pumping System Using SVM and K-Nearest Neighbour Method. , 2020, , .		2
430	Generalized Dynamic and Steady-State Performance Analysis of the Three-phase Current-Source Inverter for Green Energy Applications. , 2020, , .		2
431	Investigation Studies of DC-DC Boost Converter With Proportional-Integral-Derivative Controller Using Optimization Techniques. , 2020, , .		2
432	Torque Ripple and Loss Minimization of Trapezoidal Brushless DC Motor Drive by Harmonics Current Excitation Switching Technique. , 2020, , .		2

#	Article	IF	Citations
433	A PWM Strategies for Diode Assisted NPC-MLI to Obtain Maximum Voltage Gain for EV Application. International Journal of Power Electronics and Drive Systems, 2017, 8, 767.	0.6	2
434	Speed sensorless vector control of parallel-connected three-phase two-motor single-inverter drive system. Facets, 2017, 1, 1-16.	2.4	2
435	Variable fractional powerâ€least mean square based control algorithm with optimized PI gains for the operation of dynamic voltage restorer. IET Power Electronics, 2021, 14, 821-833.	2.1	2
436	Corrections to â€œDesign and Implementation of Seventeen Level Inverter With Reduced Componentsâ€• IEEE Access, 2022, 10, 40214-40215.	4.2	2
437	Guest Editorial: Fast, Superfast, and Ultra-Superfast Intelligent and Smart Charging Solutions for Electric Vehicles. IEEE Transactions on Industry Applications, 2022, 58, 5518-5519.	4.9	2
438	A Game Theory Based Optimal Planning for a Hybrid Energy System Considering Time of Use Tariffs. , 2022, , .		2
439	Comparative analysis of modulation techniques in frequency converter. , 2016, , .		1
440	Harmonic minimization in modulated frequency single-phase matrix converter. , 2016, , .		1
441	A modified boost rectifier for elimination of circulating current in power factor correction applications. Microelectronics Reliability, 2017, 69, 29-35.	1.7	1
442	Design and analysis of torque control for load drive with dynamic emulation. , 2017, , .		1
443	Performance analysis of gene expression data using biclustering iterative signature algorithm. , 2017, , .		1
444	PEM Fuel Cell System Identification and Control. Lecture Notes in Electrical Engineering, 2018, , 449-457.	0.4	1
445	Novel Sensorless Sliding Mode Observer of a Five-Phase Permanent Magnet Synchronous Motor Drive in Wide Speed Range. Lecture Notes in Electrical Engineering, 2018, , 213-220.	0.4	1
446	Common-Mode Voltage Regulation of Three-Phase SVPWM-Based three-Level NPC Inverter. Lecture Notes in Electrical Engineering, 2018, , 367-376.	0.4	1
447	Comparative Analysis of Feed-Forward and Synchronous Reference Frame Control-Based Dynamic Voltage Restorer. Lecture Notes in Electrical Engineering, 2018, , 411-420.	0.4	1
448	Mitigation of Circulating Current in Diode clamped MLI fed Induction Motor Drive Using Carrier Shifting PWM Techniques. Lecture Notes in Electrical Engineering, 2018, , 71-83.	0.4	1
449	Modified SEPIC DC-to-DC Converter 2/(1-k) Output Gain Configuration for Renewable Power Energy and High Voltage Applications. , 2018, , .		1
450	Configurations of Modified SEPIC Converter with Switched Inductor Module (MSC<inf>sI</inf>) for Photovoltaic Application: Part-II. , 2018, , .		1

#	Article	IF	Citations
451	Novel PWM Technique for Quasi Switched Boost Converter for the Nano-grid Applications. , 2019, , .		1
452	Small Signal Stability with the Householder Method in Power Systems. Energies, 2019, 12, 3412.	3.1	1
453	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
454	A Novel Configurations of Modified CUK Converter Using Multiple VLSI Modules for High Voltage Renewable Energy Application. , 2019, , .		1
455	Reduction of Main-Grid Dependence in Future DC Micro-Grids Using Electric Springs. , 2019, , .		1
456	Single-Phase Series Compensator Circuit for Mitigating Voltage Sag or Swell in the Power System Networks - Methodology and Modelling. , 2020, , .		1
457	Modified CUK Converter with Two Switched Inductor Module Configurations for Photovoltaic Application: Part-II. , 2020, , .		1
458	Energy Coordination of EV for Optimal Utilization in Smart Grid based on Uncertainty Modelling. , 2020, , .		1
459	An Internet of Things-Inspired Dual-Level Boost Converter for BLDC-Driven Photovoltaic Water Pumping Applications. Engergy Systems in Electrical Engineering, 2022, , 371-381.	0.7	1
460	Hybrid Multiport Converter for High Step-Up Renewable Energy Applications. , 2020, , .		1
461	Wavelet transform as a postprocessing diagnostic tool for fault identifications of high-voltage direct current transmission system. Facets, 2017, 1, 17-26.	2.4	1
462	A hexagonal hysteresis space vector current controller for single Z-source network multilevel inverter with capacitor balancing. , 2017, , .		1
463	Asymmetrical Switched Inductor Embedded Impedance Source Inverters with Reduced Number of Components. , 2020, , .		1
464	A New Five-Phase Three-Level Neutral Point Clamped Inverter for Two Independent Loads. , 2021, , .		1
465	Design and Implementation of Hysteresis Motor with Scrap Material Rotor Ring. , 2021, , .		1
466	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
467	Techno-Economic Aspects of the Wireless EV Charging System. , 2021, , .		1
468	Current Limitation Method for <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <mi>V</mi> <mo>/</mo> <mi>f</mi> </math> Control of Five-Phase Induction Machines. International Transactions on Electrical Energy Systems, 2022, 2022, 1-12.	1.9	1

#	Article	IF	Citations
469	Comprehensive Review of KY Converter Topologies, Modulation and Control Approaches With Their Applications. IEEE Access, 2022, 10, 20978-20994.	4.2	1
470	Big Data for SMART Sensor and Intelligent Electronic Devices â€“ Building Application. , 2021, , 11-28.		1
471	Hybrid protection algorithm for power system with renewable energy generation using Stockwell transform and Wigner distribution function. Journal of Engineering, 2022, 2022, 832-846.	1.1	1
472	Computational Tools for the Numerical Simulation of Welding Processes. AIP Conference Proceedings, 2004, , .	0.4	0
473	Implicit grading of multiple path delay faults. ACM Transactions on Design Automation of Electronic Systems, 2006, 11, 346-361.	2.6	0
474	Space phasor based HCC for shunt active power filter with reduced average switching frequency. , 2016, , .		0
475	A novel multilevel quad-inverter configuration for quasi six-phase open-winding converter. , 2016, , .		0
476	Proposed novel multiphase-multilevel inverter configuration for open-end winding loads. , 2016, , .		0
477	Peak prediction method of maximum power point for series-parallel photovoltaic array under partial shading condition. , 2017, , .		0
478	Experimental Investigation of VFD-Fed Scalar Control of Induction Motor for Pumping Application. Lecture Notes in Electrical Engineering, 2018, , 287-295.	0.4	0
479	New Sliding Mode Control of a Five-Phase Permanent Magnet Synchronous Motor Drive in Wide Speed Range. Lecture Notes in Electrical Engineering, 2018, , 205-212.	0.4	0
480	Finite Element Method Based Determination of Magnetic Loading of Three-Phase Five-Limb Transformer with Impact of DC Offset. Lecture Notes in Electrical Engineering, 2018, , 241-249.	0.4	0
481	Single Phase Asymmetric Switched-Inductor Quasi-Z-Source CHB Multilevel Inverter. Lecture Notes in Electrical Engineering, 2018, , 285-294.	0.4	0
482	Survey of Power Quality Discrete Disturbances in an Educational Institution. Lecture Notes in Electrical Engineering, 2018, , 377-391.	0.4	0
483	Advanced Variable Structure Control for Distributed Power Generation. Lecture Notes in Electrical Engineering, 2018, , 337-345.	0.4	0
484	High Response Photon-Counting for Phase Fraction Measurement Using Compact-RIO with FPGA. Lecture Notes in Electrical Engineering, 2018, , 133-137.	0.4	0
485	Investigation of Doubly Fed Induction Generator Behavior Under Symmetrical and Asymmetrical Fault Conditions. Lecture Notes in Electrical Engineering, 2018, , 347-353.	0.4	0
486	LQR PI Controller Design for First-Order Time-Delay Systems. Lecture Notes in Electrical Engineering, 2018, , 405-413.	0.4	0

#	Article	IF	Citations
487	Stability Enhancement of Islanding Event Through Boundary Detection and Voltage Stability Index. , 2018, , .		0
488	Pentagonal Space Vector Approach for Third Harmonic Injection Technique for Dual Five-Phase Open-Winding Inverter. , 2018, , .		0
489	Smart assessment of environment assisted cracking of grade 92 material using different test solutions. Materials Research Express, 2019, 6, 1265h2.	1.6	0
490	Testing of Local Control Cabinet In Gas Insulated Switchgear Using Design of Simulation Kit - Revista. , 2019, , .		0
491	Silicon Carbide (SiC) based Constant DC Current Source for DC Current Transformer Calibration. , 2020, , .		0
492	Theoretical and Performance Analysis of PWM Control-Based Variable Switching Frequency for Torque Ripple Reduction in SPMSM Drive Systems. , 2020, , .		0
493	Corrections to â€œAn Improved Harmonics Mitigation Scheme for a Modular Multilevel Converterâ€• [2019 147244-147255]. IEEE Access, 2020, 8, 65351-65351.	4.2	0
494	A low power and soft error resilience guardâ€gated Quartroâ€based flipâ€flop in 45 nm CMOS technology. IET Circuits, Devices and Systems, 2021, 15, 571-580.	1.4	0
495	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
496	Power Management of Battery Integrated PV System with SMC-Controlled Bidirectional Converter. Engergy Systems in Electrical Engineering, 2022, , 423-432.	0.7	0
497	Performance analysis of CNTFET based low energy and low power adiabatic logic design. , 2017, , .		0
498	Automatic Pulse Sequence Selector for Novel PWM Technique: FPGA LabVIEW Implementation. , 2021, , .		0
499	Performance Study of a Novel Dual Rotor Sandwich Stator Fusion Magnetic Pole Six-Phase Permanent Magnet Synchronous Generator for Geothermal Energy Extraction. , 2021, , .		0
500	Quality Valuation of a Novel Dual Stator Dual Rotor U-Shaped Permanent Magnet Synchronous Generator for Nuclear Energy Extraction. , 2021, , .		0
501	Performance Characterization of Novel Dual Stator Sandwiched Rotor Hybrid Magnetic Pole Six-Phase PMSG for Harnessing Wind Power. , 2021, , .		0
502	Maximum Power Transfer of Wireless Charging System Using a Data-Based Approach. , 2021, , .		0
503	Primary-Switched-Inductance Single-Ended Converter for E-Vehicles Applications. , 2021, , .		0
504	Smart Vehicular System: Demand, Curiosity, Challenges, And Power Electronics Skills. , 2021, , .		0

#	Article	IF	Citations
505	A Geometric Series Based Nearest Level Modulation Scheme for Multilevel Inverter. , 2020, , .		0
506	A Fibonacci Series based Nearest Level Modulation Scheme for Multilevel Inverters. , 2020, , .		0
507	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