

Atif Iqbal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

255
papers

3,475
citations

26
h-index

48
g-index

301
ext. papers

5,246
ext. citations

3.2
avg, IF

6.14
L-index

#	Paper	IF	Citations
255	Optimal location of electric vehicle charging station and its impact on distribution network: A review. <i>Energy Reports</i> , 2022 , 8, 2314-2333	4.6	15
254	Effects of induction machine parameters on its performance as a standalone self excited induction generator. <i>Energy Reports</i> , 2022 , 8, 2302-2313	4.6	2
253	Power Conversion Techniques Using Multi-Phase Transformer: Configurations, Applications, Issues and Recommendations. <i>Machines</i> , 2022 , 10, 13	2.9	2
252	ANT-colony optimization-direct torque control for a doubly fed induction motor : An experimental validation. <i>Energy Reports</i> , 2022 , 8, 81-98	4.6	5
251	Field Oriented Control of Five-Phase Induction Motor fed from Space Vector Modulated Matrix Converter. <i>IEEE Access</i> , 2022 , 1-1	3.5	2
250	Review on classification of resonant converters for electric vehicle application. <i>Energy Reports</i> , 2022 , 8, 1091-1113	4.6	4
249	A Detailed Full-Order Discrete-Time Modeling and Stability Prediction of the Single-Phase Dual Active Bridge DC-DC Converter. <i>IEEE Access</i> , 2022 , 10, 31868-31884	3.5	3
248	Double Stage Voltage Lift Switched Capacitor Converter for High-Voltage Applications in DC Microgrids. <i>Springer Proceedings in Energy</i> , 2022 , 433-442	0.2	
247	Placement of electric vehicle fast charging stations in distribution network considering power loss, land cost, and electric vehicle population. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022 , 44, 1693-1709	1.6	2
246	Improved power quality operation of symmetrical and asymmetrical multilevel inverter using invasive weed optimization technique. <i>Energy Reports</i> , 2022 , 8, 3323-3336	4.6	1
245	A review on recent developments in control and optimization of micro grids. <i>Energy Reports</i> , 2022 , 8, 4085-4103	4.6	4
244	A 9 and 13-Level Switched-Capacitor-Based Multilevel Inverter with enhanced Self-Balanced Capacitor Voltage Capability. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022 , 1-1	5.6	3
243	Switching Angles Computations Using PSO in Selective Harmonics Minimization PWM. <i>Studies in Computational Intelligence</i> , 2021 , 437-461	0.8	2
242	Simultaneous analysis of frequency and voltage control of the interconnected hybrid power system in presence of FACTS devices and demand response scheme. <i>Energy Reports</i> , 2021 , 7, 7445-7459	4.6	1
241	Modulation and Control of a DC-AC Converter With High-Frequency Link Transformer for Grid-Connected Applications. <i>IEEE Access</i> , 2021 , 9, 166058-166070	3.5	
240	Simple PWM technique for a three-to-five phase matrix converter. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e12860	2.2	
239	A transformerless high gain dc/dc boost converter with reduced voltage stress. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e12877	2.2	9

238	An improved asymmetrical multi-level inverter topology with boosted output voltage and reduced components count. <i>IET Power Electronics</i> , 2021 , 14, 2052-2066	2.2	4
237	Pulse-Width Modulation of Power Electronic DC/AC Converter 2021 , 47-175		
236	A new family of boost active neutral point clamped inverter topology with reduced switch count. <i>IET Power Electronics</i> , 2021 , 14, 1433-1443	2.2	2
235	A state-of-the-art review on topologies and control techniques of solid-state transformers for electric vehicle extreme fast charging. <i>IET Power Electronics</i> , 2021 , 14, 1560	2.2	18
234	A hybrid switched inductor with flexible high voltage gain boost converter for DC micro-grid application. <i>IET Power Electronics</i> , 2021 , 14, 1656	2.2	0
233	Modelling, analysis, and implementation of a switched-inductor based DC/DC converter with reduced switch current stress. <i>IET Power Electronics</i> , 2021 , 14, 1504-1514	2.2	1
232	Performance Enhancement of PPMIM Drives by Using Three 3-Phase Four-Leg Inverters. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 2516-2526	4.3	1
231	Scalable Multiport Converter Structure for Easy Grid Integration of Alternate Energy Sources for Generation of Isolated Voltage Sources for MMC. <i>Electronics (Switzerland)</i> , 2021 , 10, 1779	2.6	2
230	Quadruple Boost Multilevel Inverter (QB-MLI) Topology With Reduced Switch Count. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 7372-7377	7.2	15
229	A Hybrid Multilevel Inverter Scheme for Nine-Phase PPMIM Drive by Using Three-Phase Five-Leg Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1895-1904	8.9	6
228	A Single DC Source-Based Three-Level Inverter Topology for a Four-Pole Open-End Winding Nine-Phase PPMIM Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2750-2759	8.9	6
227	Phase Reconfiguring Technique for Enhancing the Modulation Index of Multilevel Inverter Fed Nine-Phase IM Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2898-2906	8.9	3
226	A Novel Modified Switched Inductor Boost Converter With Reduced Switch Voltage Stress. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1275-1289	8.9	28
225	High Gain Switched-Inductor-Double-Leg Converter With Wide Duty Range for DC Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 9561-9573	8.9	7
224	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4766-4777	7.2	6
223	Novel Level Shifted PWM Technique for Unequal and Equal Power Sharing in Quasi-Z-Source Cascaded Multilevel Inverter for PV Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 937-948	5.6	12
222	Triple-Switch DC-to-DC Converter for High-Voltage Boost Application. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 197-204	0.2	
221	Distributed Fault-Tolerant Powertrain Configuration for Electric Vehicle Applications with Pole Phase Modulation. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	

220	A New High Gain Active Switched Network-Based Boost Converter for DC Microgrid Application. <i>IEEE Access</i> , 2021 , 9, 68253-68265	3.5	7
219	Penetration of Electric Vehicles in Gulf Region and its Influence on Energy and Economy. <i>IEEE Access</i> , 2021 , 9, 89412-89431	3.5	1
218	Implementation and Analysis of a 15-Level Inverter Topology With Reduced Switch Count. <i>IEEE Access</i> , 2021 , 9, 40623-40634	3.5	6
217	Accurate Fundamental Harmonic Modeling of Inductive Power Transfer Battery Chargers. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	0
216	Dynamic Modelling and Control of Pole-phase Modulation based Multiphase Induction Motor Drives. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	1
215	Harmonics Minimization in Multilevel Inverter by Continuous Mode ACO Technique. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 95-104	0.2	0
214	Rotor Flux-Oriented Control of Three-Phase Induction Motor Using Sliding Mode Controller and Rotor Flux Estimator. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 143-154	0.2	
213	Design and Sensitivity Analysis of Dynamic Wireless Chargers for Efficient Energy Transfer. <i>IEEE Access</i> , 2021 , 9, 16286-16295	3.5	3
212	Voltage Lift Switched Inductor Double Leg Converter With Extended Duty Ratio for DC Microgrid Application. <i>IEEE Access</i> , 2021 , 9, 85310-85325	3.5	1
211	A New Family of Step-Up Hybrid Switched-Capacitor Integrated Multilevel Inverter Topologies With Dual Input Voltage Sources. <i>IEEE Access</i> , 2021 , 9, 4398-4410	3.5	13
210	A Cross Connected Asymmetrical Switched-Capacitor Multilevel Inverter. <i>IEEE Access</i> , 2021 , 9, 96416-96429	3.5	5
209	Transformer-less Boost Converter with Reduced Voltage Stress for High Voltage Step-Up Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	6
208	Split Duty Super Boost Converter for High Voltage Applications in a DC Microgrid. <i>IEEE Access</i> , 2021 , 9, 101078-101088	3.5	0
207	Comparison of Direct Torque Control and Indirect Field-Oriented Control for Three-Phase Induction Machine. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 131-141	0.2	1
206	Particle Swarm Design Optimization of IPT Systems for Different Electric Vehicles. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2021 , 1-1	2.6	
205	A Secure and Decentralized Blockchain Based EV Energy Trading Model Using Smart Contract in V2G Network. <i>IEEE Access</i> , 2021 , 9, 75761-75777	3.5	9
204	Recent trends and review on switched-capacitor-based single-stage boost multilevel inverter. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e12730	2.2	12
203	Non-Isolated DCDC Power Converter With High Gain and Inverting Capability. <i>IEEE Access</i> , 2021 , 9, 62084-62094	3.5	2094

202	A novel current controller design for grid-integrated PV inverter system. <i>SN Applied Sciences</i> , 2021 , 3, 1	1.8	1
201	Equivalent circuit modelling of a three-phase to seven-phase transformer using PSO and GA. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 1-10	1.6	2
200	Asymmetrical multilevel inverter topology with low total standing voltage and reduced switches count. <i>International Journal of Circuit Theory and Applications</i> , 2021 , 49, 1757-1775	2	6
199	Power quality enhancement of a hybrid energy source powered packed e-cell inverter using an intelligent optimization technique. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 1-9	1.6	1
198	Comprehensive Survey of Various Energy Storage Technology Used in Hybrid Energy. <i>Electronics (Switzerland)</i> , 2021 , 10, 2037	2.6	0
197	Novel Level-Shifted PWM Technique for Cascaded Multilevel Quasi-Impedance Source Inverter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 5918-5928	5.6	3
196	Comprehensive performance analysis of flexible asynchronous AC link under various unbalanced grid voltage conditions. <i>Energy Reports</i> , 2021 , 7, 750-761	4.6	3
195	Enhanced control technique for a sensor-less wind driven doubly fed induction generator for energy conversion purpose. <i>Energy Reports</i> , 2021 , 7, 5815-5833	4.6	5
194	A review on fractional order (FO) controllers optimization for load frequency stabilization in power networks. <i>Energy Reports</i> , 2021 , 7, 4009-4021	4.6	18
193	Double stage converter with low current stress for low to high voltage conversion in nanogrid. <i>Energy Reports</i> , 2021 , 7, 5710-5721	4.6	2
192	Investigation of a bidirectional DC/DC converter with zero-voltage switching operation for battery interfaces. <i>IET Power Electronics</i> , 2021 , 14, 614-625	2.2	0
191	A Fast Convergent Homotopy Perturbation Method for Solving Selective Harmonics Elimination PWM Problem in Multi Level Inverter. <i>IEEE Access</i> , 2021 , 9, 113040-113051	3.5	6
190	New Asymmetrical Modular Multilevel Inverter Topology With Reduced Number of Switches. <i>IEEE Access</i> , 2021 , 9, 27627-27637	3.5	10
189	Modulation With Metaheuristic Approach for Cascaded-MPUC49 Asymmetrical Inverter With Boosted Output. <i>IEEE Access</i> , 2020 , 8, 96867-96877	3.5	12
188	Interleaved Multilevel Boost Converter With Minimal Voltage Multiplier Components for High-Voltage Step-Up Applications. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12816-12833	7.2	22
187	Sliding mode control of grid-connected wind energy system driven by 2 five-phase permanent magnet synchronous generators controlled by a new fifteen-switch converter. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12480	2.2	2
186	Analysis of a three-phase to seven-phase transformer under unbalanced input. <i>Microsystem Technologies</i> , 2020 , 26, 2507-2516	1.7	2
185	Computation of Power Extraction From Photovoltaic Arrays Under Various Fault Conditions. <i>IEEE Access</i> , 2020 , 8, 47619-47639	3.5	11

184	A Novel Sensorless Control for Multiphase Induction Motor Drives Based on Singularly Perturbed Sliding Mode Observer-Experimental Validation. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2776	2.6	6
183	New Switched-Capacitor based Boost Seven-Level ANPC (7L-ANPC) Boost Inverter Topology 2020 ,		2
182	EK \mathbb{B} multilevel inverter \mathbb{B} minimal switch novel configuration for higher number of output voltage levels. <i>IET Power Electronics</i> , 2020 , 13, 2804-2815	2.2	3
181	Seven-Level Switched-Capacitor Based Multilevel Inverter With Lesser Number of Power Electronic Components and Reduced Voltage Stress 2020 ,		1
180	High step-up single switch quadratic modified SEPIC converter for DC microgrid applications. <i>IET Power Electronics</i> , 2020 , 13, 3717-3726	2.2	7
179	7L-SCBI topology with minimal semiconductor device count. <i>IET Power Electronics</i> , 2020 , 13, 3199-3203	2.2	10
178	Reduced switch count-based N -level boost inverter topology for higher voltage gain. <i>IET Power Electronics</i> , 2020 , 13, 3505-3509	2.2	13
177	Design and implementation of a new unity gain nine-level active neutral point clamped multilevel inverter topology. <i>IET Power Electronics</i> , 2020 , 13, 3204-3208	2.2	10
176	Low switching frequency modulation of a 3 \mathbb{B} matrix converter in UPFC application using differential evolution method. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12179	2.2	2
175	Design and Implementation of Cascaded Multilevel qZSI Powered Single-Phase Induction Motor for Isolated Grid Water Pump Application. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 1907-1917	4.3	16
174	Single-Phase ZAC-Source AC \mathbb{A} C Converter With High Buck and Boost Voltage Conversion Capability. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 9251-9259	8.9	5
173	A Single DC Source Nine-Level Switched-Capacitor Boost Inverter Topology With Reduced Switch Count. <i>IEEE Access</i> , 2020 , 8, 5840-5851	3.5	36
172	Modeling and analysis of novel six-phase DFIG through asymmetrical winding structure for disperse generation. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12649	2.2	6
171	. <i>IEEE Access</i> , 2020 , 8, 188726-188741	3.5	20
170	. <i>IEEE Access</i> , 2020 , 8, 132665-132676	3.5	43 ¹
169	Design Optimization of Inductive Power Transfer Systems Considering Bifurcation and Equivalent AC Resistance for Spiral Coils. <i>IEEE Access</i> , 2020 , 8, 141584-141593	3.5	4
168	A Case Study to Identify the Hindrances to Widespread Adoption of Electric Vehicles in Qatar. <i>Energies</i> , 2020 , 13, 3994	3.1	6
167	An improved asymmetrical multilevel inverter topology with reduced semiconductor device count. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12587	2.2	12

166	A New Eight Switch Seven Level Boost Active Neutral Point Clamped (8S-7L-BANPC) Inverter. <i>IEEE Access</i> , 2020 , 8, 203972-203981	3.5	8
165	Using ID-Based Authentication and Key Agreement Mechanism for Securing Communication in Advanced Metering Infrastructure. <i>IEEE Access</i> , 2020 , 8, 210503-210512	3.5	6
164	Five-Phase Twenty-Seven Level Inverter Using Single DC Source for Photovoltaic Application 2020 ,		1
163	A New Seven-Level Inverter Topology with Reduced Switch Number 2020 ,		1
162	Closed-Loop Control and Boundary for CCM and DCM of Nonisolated Inverting N-Multilevel Boost Converter for High-Voltage Step-Up Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2863-2874	8.9	22
161	Reduced Order Modeling and Sliding Mode Control of Active Magnetic Bearing. <i>IEEE Access</i> , 2019 , 7, 113324-113334	3.5	8
160	A New Variable Frequency Control of 49-Level Cascaded Packed U-Cell Voltage Source Inverter. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 7537-7548	4.3	13
159	Reduction of common-mode voltage using a simplified FSC-MPC for a five-phase induction motor drive. <i>Journal of Engineering</i> , 2019 , 2019, 3772-3777	0.7	3
158	Matrix converters for electric power conversion: Review of topologies and basic control techniques. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e12063	2.2	1
157	Fuzzy adaptive control of a multimachine system with single inverter supply. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e12070	2.2	3
156	A New Multilevel Inverter Topology With Reduce Switch Count. <i>IEEE Access</i> , 2019 , 7, 58584-58594	3.5	82
155	Systematic Implementation of Multi-Phase Power Supply (Three to Six) Conversion System. <i>Electronics (Switzerland)</i> , 2019 , 8, 109	2.6	4
154	Investigation on SVM-Backstepping sensorless control of five-phase open-end winding induction motor based on model reference adaptive system and parameter estimation 2019 , 22, 1013-1026		11
153	High Gain Transformer-Less Double-Duty-Triple-Mode DC/DC Converter for DC Microgrid. <i>IEEE Access</i> , 2019 , 7, 36353-36370	3.5	47
152	Selective harmonics elimination in multilevel inverter by a derivative-free iterative method under varying voltage condition. <i>ISA Transactions</i> , 2019 , 92, 241-256	5.5	15
151	Novel voltage balancing algorithm for single-phase cascaded multilevel inverter for post-module failure operation in solar photovoltaic applications. <i>IET Renewable Power Generation</i> , 2019 , 13, 427-437	2.9	9
150	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 1352-1363	5.6	30
149	Nonisolated Symmetrical Interleaved Multilevel Boost Converter With Reduction in Voltage Rating of Capacitors for High-Voltage Microgrid Applications. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 7410-7424	4.3	20

148	Experimental Investigation and Comparative Evaluation of Standard Level Shifted Multi-Carrier Modulation Schemes With a Constraint GA Based SHE Techniques for a Seven-Level PUC Inverter. <i>IEEE Access</i> , 2019 , 7, 100605-100617	3.5	11
147	High Brightness and High Voltage Dimmable LED Driver for Advanced Lighting System. <i>IEEE Access</i> , 2019 , 7, 95643-95652	3.5	5
146	A New Triple-Switch-Triple-Mode High Step-Up Converter With Wide Range of Duty Cycle for DC Microgrid Applications. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 7425-7441	4.3	21
145	A Family of High Step-Up A-Source Inverters with Clamped DC-Link Voltage 2019 ,		2
144	Fault tolerant single-phase capacitor start capacitor run induction motor powered with cascaded multilevel quasi impedance source inverter. <i>Journal of Engineering</i> , 2019 , 2019, 4036-4040	0.7	0
143	Low Switching Frequency Based Asymmetrical Multilevel Inverter Topology With Reduced Switch Count. <i>IEEE Access</i> , 2019 , 7, 86374-86383	3.5	72
142	An Event-Triggered Robust Attitude Control of Flexible Spacecraft With Modified Rodrigues Parameters Under Limited Communication. <i>IEEE Access</i> , 2019 , 7, 93198-93211	3.5	20
141	A New Structure of High Voltage Gain SEPIC Converter for Renewable Energy Applications. <i>IEEE Access</i> , 2019 , 7, 89857-89868	3.5	36
140	New tri-switching state non-isolated high gain DCDC boost converter for microgrid application. <i>IET Power Electronics</i> , 2019 , 12, 2741-2750	2.2	17
139	Modified multilevel buckBoost converter with equal voltage across each capacitor: analysis and experimental investigations. <i>IET Power Electronics</i> , 2019 , 12, 3318-3330	2.2	12
138	Optimized FPGA Implementation of PWAM-Based Control of Three-Phase Nine-Level Quasi Impedance Source Inverter. <i>IEEE Access</i> , 2019 , 7, 137279-137290	3.5	3
137	High gain three-state switching hybrid boost converter for DC microgrid applications. <i>IET Power Electronics</i> , 2019 , 12, 3656-3667	2.2	6
136	2019 ,		2
135	Fast and precise global maximum power point tracking techniques for photovoltaic system. <i>IET Renewable Power Generation</i> , 2019 , 13, 2569-2579	2.9	12
134	CMV reduction in a three-to-seven phase direct matrix converter using SVPWM. <i>IET Electric Power Applications</i> , 2019 , 13, 1219-1228	1.8	3
133	Differential evolution-based pulse-width modulation technique for multiphase MC. <i>IET Power Electronics</i> , 2019 , 12, 2224-2235	2.2	10
132	Performance Enhancement of PPMIM Drives by using 3 Three-Phase Four-Leg Inverters 2019 ,		2
131	Space Vector vs. Sinusoidal Carrier-Based Pulse Width Modulation for a Seven-Phase Voltage Source Inverter. <i>CPSS Transactions on Power Electronics and Applications</i> , 2019 , 4, 230-243	3.5	6

130	A New Single Phase Single Switched-Capacitor Based Nine-Level Boost Inverter Topology With Reduced Switch Count and Voltage Stress. <i>IEEE Access</i> , 2019 , 7, 174178-174188	3.5	46
129	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8434-8444	8.9	10
128	Performance Analysis of a Three-to-Five Phase Dual Matrix Converter Based on Space Vector Pulse Width Modulation. <i>IEEE Access</i> , 2019 , 7, 12307-12318	3.5	8
127	Low-order harmonics control in staircase waveform useful in high-power application by a novel technique. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2769	2.2	9
126	Comparative study of adaptive sliding mode and resonant controllers in fault tolerant five-phase permanent magnet synchronous motor drive. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 96, 2195-2213	3.2	2
125	Common mode voltage reduction technique in a three-to-three phase indirect matrix converter. <i>IET Electric Power Applications</i> , 2018 , 12, 254-263	1.8	12
124	Review of recent advancements of direct torque control in induction motor drives a decade of progress. <i>IET Power Electronics</i> , 2018 , 11, 1-15	2.2	58
123	Real time implementation of indirect rotor flux oriented control of a five-phase induction motor with novel rotor resistance adaption using sliding mode observer. <i>Journal of the Franklin Institute</i> , 2018 , 355, 2112-2141	4	7
122	Space vector pulse width modulation control techniques for a five-phase quasi-impedance source inverter. <i>IET Electric Power Applications</i> , 2018 , 12, 379-387	1.8	13
121	DTC of Three-Level NPC Inverter Fed Five-Phase Induction Motor Drive With Novel Neutral Point Voltage Balancing Scheme. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 1487-1500	7.2	35
120	Adaptive direct torque control using Luenberger-sliding mode observer for online stator resistance estimation for five-phase induction motor drives. <i>Electrical Engineering</i> , 2018 , 100, 1639-1649	1.5	6
119	An experimental study of the amphibious robot inspired by biological duck foot 2018 ,		4
118	AC-AC Converters 2018 , 417-456		1
117	Multiphase Converters 2018 , 457-528		4
116	Extended Kalman Filter Based Sliding Mode Control of Parallel-Connected Two Five-Phase PMSM Drive System. <i>Electronics (Switzerland)</i> , 2018 , 7, 14	2.6	16
115	Selective Harmonic Elimination in a Wide Modulation Range Using Modified Newton Raphson and Pattern Generation Methods for a Multilevel Inverter. <i>Energies</i> , 2018 , 11, 458	3.1	22
114	SHE PWM for multilevel inverter using modified NR and pattern generation for wide range of solutions 2018 ,		5
113	Selected harmonics elimination in multilevel inverter using improved numerical technique 2018 ,		7

112	Biofuels in Malaysian perspective: Debates and benefits 2018 ,		3
111	New Sliding Mode Control of a Five-Phase Permanent Magnet Synchronous Motor Drive in Wide Speed Range. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 205-212	0.2	
110	Novel Sensorless Sliding Mode Observer of a Five-Phase Permanent Magnet Synchronous Motor Drive in Wide Speed Range. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 213-220	0.2	1
109	Fault Tolerant Vector Controlled Five-Phase Permanent Magnet Synchronous Motor Drive with an Open Phase 2018 ,		2
108	Harmonics Minimization in 3-Level Inverter Waveform and its FPGA Realization 2018 ,		3
107	DC-Transformer Modelling, Analysis and Comparison of the Experimental Investigation of a Non-Inverting and Non-Isolated Nx Multilevel Boost Converter (Nx MBC) for Low to High DC Voltage Applications. <i>IEEE Access</i> , 2018 , 6, 70935-70951	3.5	20
106	Evaluation of Level-Shifted and Phase-Shifted PWM Schemes for Seven Level Single-Phase Packed U Cell Inverter. <i>CPSS Transactions on Power Electronics and Applications</i> , 2018 , 3, 232-242	3.5	30
105	Novel LCL Filter for Non-Isolated Photovoltaic Inverters with CM Current Trapping Capability for Weak Grids 2018 ,		6
104	Novel Design for Thermal Management of PV Cells in Harsh Environmental Conditions. <i>Energies</i> , 2018 , 11, 3231	3.1	13
103	Comparative study of classical and fuzzy -regulator in five phase synchronous machine control with open phase. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 35, 5185-5191	1.6	1
102	Microgrid in military applications 2018 ,		6
101	Analysis of a solar PV/battery/DG set-based hybrid system for a typical telecom load: a case study. <i>International Journal of Sustainable Energy</i> , 2017 , 36, 259-276	2.7	8
100	Impact on power quality due to large-scale adoption of compact fluorescent lamps: a review. <i>International Journal of Ambient Energy</i> , 2017 , 38, 435-442	2	4
99	Modelling and simulation of single- and triple-junction solar cells using MATLAB/SIMULINK. <i>International Journal of Ambient Energy</i> , 2017 , 38, 613-621	2	6
98	Nine-level asymmetrical single phase multilevel inverter topology with low switching frequency and reduce device counts 2017 ,		8
97	2017 ,		6
96	Thyristor based SVC and multilevel qZSI for Active and Reactive power management in solar PV system 2017 ,		4
95	An improved sensorless sliding mode control/adaptive observer of a five-phase permanent magnet synchronous motor drive. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 93, 1029-1039	3.3	9

94	Optimisation of hybrid renewable energy system using iterative filter selection approach. <i>IET Renewable Power Generation</i> , 2017 , 11, 1440-1445	2.9	16
93	Common mode voltage reduction in a three-to-five phase matrix converter fed induction motor drive. <i>IET Power Electronics</i> , 2017 , 10, 817-825	2.2	17
92	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 4864-4877	7.2	24
91	Investigation into ultraviolet radiations from modern electric light sources. <i>International Journal of Ambient Energy</i> , 2017 , 38, 814-818	2	
90	Cascaded multilevel qZSI powered single-phase induction motor for water pump application 2017 ,		2
89	Analysis and experimental verification of three-coil inductive resonant coupled wireless power transfer system 2017 ,		2
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