

Atif Iqbal

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255
papers

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h-index

48
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301
ext. papers

5,246
ext. citations

3.2
avg, IF

6.14
L-index

#	Paper	IF	Citations
255	. <i>IEEE Access</i> , 2020 , 8, 132665-132676	3.5	431
254	. <i>IEEE Transactions on Sustainable Energy</i> , 2013 , 4, 11-20	8.2	144
253	2012 ,		132
252	Space vector modulation schemes for a five-phase voltage source inverter 2005 ,		111
251	Comprehensive Relationship Between Carrier-Based PWM and Space Vector PWM in a Five-Phase VSI. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 2379-2390	7.2	106
250	A New Multilevel Inverter Topology With Reduce Switch Count. <i>IEEE Access</i> , 2019 , 7, 58584-58594	3.5	82
249	Low Switching Frequency Based Asymmetrical Multilevel Inverter Topology With Reduced Switch Count. <i>IEEE Access</i> , 2019 , 7, 86374-86383	3.5	72
248	Modeling, Control, and Experimental Investigation of a Five-Phase Series-Connected Two-Motor Drive With Single Inverter Supply. <i>IEEE Industrial Electronics Magazine</i> , 2007 , 54, 1504-1516	6.2	72
247	Space Vector PWM Techniques for Sinusoidal Output Voltage Generation with a Five-Phase Voltage Source Inverter. <i>Electric Power Components and Systems</i> , 2006 , 34, 119-140	1	71
246	Space Vector PWM Technique for a Three-to-Five-Phase Matrix Converter. <i>IEEE Transactions on Industry Applications</i> , 2012 , 48, 697-707	4.3	68
245	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
244	Common-Mode Voltage and Vibration Mitigation of a Five-Phase Three-Level NPC Inverter-Fed Induction Motor Drive System. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 349-361	5.6	54
243	Simple Carrier-Based PWM Technique for a Three-to-Nine-Phase Direct AC/AC Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 5014-5023	8.9	54
242	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
241	. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 3925-3937	8.9	47
240	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
239	A six-phase series-connected two-motor drive with decoupled dynamic control. <i>IEEE Transactions on Industry Applications</i> , 2005 , 41, 1056-1066	4.3	41

238	A New Structure of High Voltage Gain SEPIC Converter for Renewable Energy Applications. <i>IEEE Access</i> , 2019 , 7, 89857-89868	3.5	36
237	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
236	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
235	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 1352-1363	5.6	30
234	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
233	Sensorless sliding mode observer for a five-phase permanent magnet synchronous motor drive. <i>ISA Transactions</i> , 2015 , 58, 462-73	5.5	29
232	A Novel Three-Phase to Five-Phase Transformation Using a Special Transformer Connection. <i>IEEE Transactions on Power Delivery</i> , 2010 , 25, 1637-1644	4.3	29
231	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
230	A PWM Scheme for a Five-Phase VSI Supplying a Five-Phase Two-Motor Drive. <i>Industrial Electronics Society (IECON), Annual Conference of IEEE</i> , 2006 ,		26
229	Dynamics of a series-connected two-motor five-phase drive system with a single-inverter supply		25
228	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 4864-4877	7.2	24
227	MRAS-based sensorless control of a vector controlled five-phase induction motor drive. <i>Electric Power Systems Research</i> , 2008 , 78, 1311-1321	3.5	24
226	Adaptive neuro-fuzzy inference system-based maximum power point tracking of solar PV modules for fast varying solar radiations. <i>International Journal of Sustainable Energy</i> , 2012 , 31, 383-398	2.7	23
225	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
224	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
223	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
222	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
221	Three-Phase to Seven-Phase Power Converting Transformer. <i>IEEE Transactions on Energy Conversion</i> , 2012 , 27, 757-766	5.4	21

220	Adaptive neuro-fuzzy inference system based maximum power point tracking of a solar PV module 2010,		21
219	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
218	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
217	Finite set model predictive current control with reduced and constant common mode voltage for a five-phase voltage source inverter 2014,		20
216	. <i>IEEE Access</i> , 2020 , 8, 188726-188741	3.5	20
215	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
214	Induction Machine/Syn-Rel Two-Motor Five-Phase Series-Connected Drive. <i>IEEE Transactions on Energy Conversion</i> , 2007 , 22, 281-289	5.4	19
213	A Space Vector PWM Technique for Symmetrical Six-Phase Voltage Source Inverters. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , 2007 , 17, 24-32	0.4	18
212	Modeling and control of a five-phase series-connected two-motor drive		18
211	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
210	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
209	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
208	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
207	MRAS-based sensorless control of a five-phase induction motor drive with a predictive adaptive model 2010,		17
206	Power quality effect of using incandescent, fluorescent, CFL and LED lamps on utility grid 2015,		16
205	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
204	Optimisation of hybrid renewable energy system using iterative filter selection approach. <i>IET Renewable Power Generation</i> , 2017 , 11, 1440-1445	2.9	16
203	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

202	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
201	Comparative study between the rotor flux oriented control and non-linear backstepping control of a five-phase induction motor drive in an experimental validation. <i>IET Power Electronics</i> , 2016 , 9, 2510-2521	2.2	15
200	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
199	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
198	Comparative analysis of carrier schemes for PWM in multilevel PUC inverter for PV applications 2016 ,		15
197	Sensorless direct torque control of five-phase induction motor drives 2011 ,		14
196	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
195	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
194	Pulse width modulation technique for a three-to-five phase matrix converter with reduced commutations. <i>IET Power Electronics</i> , 2016 , 9, 466-475	2.2	13
193	Extended Kalman filter based speeds estimation of series-connected five-phase two-motor drive system. <i>Simulation Modelling Practice and Theory</i> , 2009 , 17, 1346-1360	3.9	13
192	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
191	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
190	Novel Design for Thermal Management of PV Cells in Harsh Environmental Conditions. <i>Energies</i> , 2018 , 11, 3231	3.1	13
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	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
187	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
186	Medium voltage drives - challenges and requirements 2010 ,		12
185	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

184	Design of a proportional resonant controller for packed U cell 5 level inverter for grid-connected applications 2016 ,		12
183	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
182	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
181	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
180	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
179	Space vector pulse-width modulation technique for an eleven-phase voltage source inverter with sinusoidal output voltage generation. <i>IET Power Electronics</i> , 2015 , 8, 1000-1008	2.2	11
178	Computation of Power Extraction From Photovoltaic Arrays Under Various Fault Conditions. <i>IEEE Access</i> , 2020 , 8, 47619-47639	3.5	11
177	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
176	Model predictive control of a three-to-five phase matrix converter 2011 ,		11
175	Space Vector PWM for a Five-Phase VSI Supplying Two Five-Phase Series-Connected Machines 2006 ,		11
174	Model predictive current control of a three-level five-phase NPC VSI using simplified computational approach 2014 ,		10
173	PWM scheme for dual matrix converters based five-phase open-end winding drive 2013 ,		10
172	Five-to-three phase direct matrix converter with model predictive control 2013 ,		10
171	7L-SCBI topology with minimal semiconductor device count. <i>IET Power Electronics</i> , 2020 , 13, 3199-3203	2.2	10
170	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
169	Non-linear backstepping control of five-phase IM drive at low speed conditions-experimental implementation. <i>ISA Transactions</i> , 2016 , 65, 244-253	5.5	10
168	Differential evolution-based pulse-width modulation technique for multiphase MC. <i>IET Power Electronics</i> , 2019 , 12, 2224-2235	2.2	10
167	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8434-8444	8.9	10

166	New Asymmetrical Modular Multilevel Inverter Topology With Reduced Number of Switches. <i>IEEE Access</i> , 2021 , 9, 27627-27637	3.5	10
165	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	3.2	9
164	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
163	A high efficiency single-phase multilevel packed U cell inverter for photovoltaic applications 2014 ,		9
162	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
161	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
160	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
159	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
158	Nine-level asymmetrical single phase multilevel inverter topology with low switching frequency and reduce device counts 2017 ,		8
157	Reduced Order Modeling and Sliding Mode Control of Active Magnetic Bearing. <i>IEEE Access</i> , 2019 , 7, 113324-113334	3.5	8
156	Vector controlled five-phase permanent magnet synchronous motor drive 2014 ,		8
155	Feasibility analysis of solar photovoltaic array cladding on commercial towers in Doha, Qatar: a case study. <i>International Journal of Sustainable Energy</i> , 2010 , 29, 76-86	2.7	8
154	MRAS Based Sensorless Control of a Series-Connected Five-Phase Two-Motor Drive System. <i>Journal of Electrical Engineering and Technology</i> , 2008 , 3, 224-234	1.4	8
153	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
152	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
151	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
150	Selected harmonics elimination in multilevel inverter using improved numerical technique 2018 ,		7
149	Common-mode voltage control through vector selection in three-to-five phase matrix converter 2014 ,		7

148	Adaptive fuzzy logic-controlled surface mount permanent magnet synchronous motor drive. <i>Systems Science and Control Engineering</i> , 2014 , 2, 465-475	2	7
147	Incipient bearing fault diagnostics for inverter fed induction motor drive using ANFIS 2010 ,		7
146	Finite state model predictive current control of a three-level five-phase NPC voltage source inverter 2010 ,		7
145	Carrier based PWM technique for a novel three-to-seven phase matrix converter 2010 ,		7
144	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
143	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
142	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
141	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
140	2017 ,		6
139	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
138	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
137	Space vector pulse width modulation scheme for three to seven phase direct matrix converter 2014 ,		6
136	Discontinuous space vector pulse width modulation techniques for a five-phase quasi Z-source inverter 2015 ,		6
135	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
134	A Case Study to Identify the Hindrances to Widespread Adoption of Electric Vehicles in Qatar. <i>Energies</i> , 2020 , 13, 3994	3.1	6
133	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
132	High gain three-state switching hybrid boost converter for DC microgrid applications. <i>IET Power Electronics</i> , 2019 , 12, 3656-3667	2.2	6
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 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
129	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
128	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4766-4777	7.2	6
127	Implementation and Analysis of a 15-Level Inverter Topology With Reduced Switch Count. <i>IEEE Access</i> , 2021 , 9, 40623-40634	3.5	6
126	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
125	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
124	Novel LCL Filter for Non-Isolated Photovoltaic Inverters with CM Current Trapping Capability for Weak Grids 2018 ,		6
123	Microgrid in military applications 2018 ,		6
122	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
121	SHE PWM for multilevel inverter using modified NR and pattern generation for wide range of solutions 2018 ,		5
120	High Brightness and High Voltage Dimmable LED Driver for Advanced Lighting System. <i>IEEE Access</i> , 2019 , 7, 95643-95652	3.5	5
119	Space vector model of a three-phase to five-phase AC/AC converter 2013 ,		5
118	A high efficiency and high reliability single-phase modified quasi Z-Source inverter for non-isolated grid-connected applications 2015 ,		5
117	Simple Carrier-Based Pulse-Width Modulation Technique for a Three-to-Quasi-Six-Phase Matrix Converter. <i>Australian Journal of Electrical and Electronics Engineering</i> , 2012 , 9, 295-304	0.6	5
116	Multi-objective optimisation of renewable energy systems for pollution mitigation a case study of Kavaratti Island, India. <i>International Journal of Sustainable Energy</i> , 2008 , 27, 165-171	2.7	5
115	A novel six-phase series-connected two-motor drive with decoupled dynamic control		5
114	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
113	Backstepping Control for a Five-Phase Permanent Magnet Synchronous Motor Drive. <i>International Journal of Power Electronics and Drive Systems</i> , 2015 , 6, 842	1.5	5

112	Single-Phase ZAC-Source AC/AC Converter With High Buck and Boost Voltage Conversion Capability. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 9251-9259	8.9	5
111	A hybrid active and reactive power control with Quasi Z-source inverter in single-phase grid-connected PV systems 2016 ,		5
110	A Cross Connected Asymmetrical Switched-Capacitor Multilevel Inverter. <i>IEEE Access</i> , 2021 , 9, 96416-96429	3.9	5
109	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
108	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
107	Thyristor based SVC and multilevel qZSI for Active and Reactive power management in solar PV system 2017 ,		4
106	Systematic Implementation of Multi-Phase Power Supply (Three to Six) Conversion System. <i>Electronics (Switzerland)</i> , 2019 , 8, 109	2.6	4
105	Space vector pulse width modulation techniques for a five-phase impedance source and quasi impedance source inverters 2015 ,		4
104	An experimental study of the amphibious robot inspired by biological duck foot 2018 ,		4
103	Multiphase Converters 2018 , 457-528		4
102	Carrier based PWM technique for a three-to-six phase matrix converter for supplying six-phase two-motor drives 2011 ,		4
101	Review on classification of resonant converters for electric vehicle application. <i>Energy Reports</i> , 2022 , 8, 1091-1113	4.6	4
100	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
99	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
98	Non-Isolated DC/DC Power Converter With High Gain and Inverting Capability. <i>IEEE Access</i> , 2021 , 9, 62084-62094	3.5	4
97	A review on recent developments in control and optimization of micro grids. <i>Energy Reports</i> , 2022 , 8, 4085-4103	4.6	4
96	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
95	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

94	Biofuels in Malaysian perspective: Debates and benefits 2018 ,		3
93	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
92	High performance backstepping control of a five-phase induction motor drive 2014 ,		3
91	Modelling and implementation of SVPWM technique for a thirteen-phase voltage source inverter-sinusoidal output waveform 2014 ,		3
90	Rotor broken bar diagnostics in induction motor drive using Wavelet packet transform and ANFIS classification 2011 ,		3
89	Incipient bearing fault detection for three-phase Brushless DC motor drive using ANFIS 2011 ,		3
88	Direct Duty Ratio Based Pulse-Width Modulation Technique for a Three-to-Five Phase Matrix Converter for Supplying Five-Phase Two-Motor Drives. <i>Australian Journal of Electrical and Electronics Engineering</i> , 2012 , 9, 283-293	0.6	3
87	EK Multilevel inverter's minimal switch novel configuration for higher number of output voltage levels. <i>IET Power Electronics</i> , 2020 , 13, 2804-2815	2.2	3
86	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
85	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
84	Design and Sensitivity Analysis of Dynamic Wireless Chargers for Efficient Energy Transfer. <i>IEEE Access</i> , 2021 , 9, 16286-16295	3.5	3
83	Harmonics Minimization in 3-Level Inverter Waveform and its FPGA Realization 2018 ,		3
82	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
81	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
80	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
79	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
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77	New PWM technique for three-to-five phase matrix converter with high efficiency and low THD 2015 ,		2

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