

Atif Iqbal

List of Publications by Year in descending order

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292
papers

6,846
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117571

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301
all docs

301
docs citations

301
times ranked

3806
citing authors

#	ARTICLE	IF	CITATIONS
1	Can AI Help in Screening Viral and COVID-19 Pneumonia?. IEEE Access, 2020, 8, 132665-132676.	2.6	1,080
2	Quasi-Z-Source Inverter-Based Photovoltaic Generation System With Maximum Power Tracking Control Using ANFIS. IEEE Transactions on Sustainable Energy, 2013, 4, 11-20.	5.9	201
3	A New Multilevel Inverter Topology With Reduce Switch Count. IEEE Access, 2019, 7, 58584-58594.	2.6	155
4	Space vector modulation schemes for a five-phase voltage source inverter. , 2005, , .		151
5	Optimal location of electric vehicle charging station and its impact on distribution network: A review. Energy Reports, 2022, 8, 2314-2333.	2.5	149
6	Comprehensive Relationship Between Carrier-Based PWM and Space Vector PWM in a Five-Phase VSI. IEEE Transactions on Power Electronics, 2009, 24, 2379-2390.	5.4	139
7	Low Switching Frequency Based Asymmetrical Multilevel Inverter Topology With Reduced Switch Count. IEEE Access, 2019, 7, 86374-86383.	2.6	117
8	Space Vector PWM Techniques for Sinusoidal Output Voltage Generation with a Five-Phase Voltage Source Inverter. Electric Power Components and Systems, 2006, 34, 119-140.	1.0	104
9	A New Structure of High Voltage Gain SEPIC Converter for Renewable Energy Applications. IEEE Access, 2019, 7, 89857-89868.	2.6	99
10	High Gain Transformer-Less Double-Duty-Triple-Mode DC/DC Converter for DC Microgrid. IEEE Access, 2019, 7, 36353-36370.	2.6	97
11	A New Single Phase Single Switched-Capacitor Based Nine-Level Boost Inverter Topology With Reduced Switch Count and Voltage Stress. IEEE Access, 2019, 7, 174178-174188.	2.6	90
12	Modeling, Control, and Experimental Investigation of a Five-Phase Series-Connected Two-Motor Drive With Single Inverter Supply. IEEE Industrial Electronics Magazine, 2007, 54, 1504-1516.	2.3	89
13	Review of recent advancements of direct torque control in induction motor drives " a decade of progress. IET Power Electronics, 2018, 11, 1-15.	1.5	88
14	Space Vector PWM Technique for a Three-to-Five-Phase Matrix Converter. IEEE Transactions on Industry Applications, 2012, 48, 697-707.	3.3	87
15	A Novel Modified Switched Inductor Boost Converter With Reduced Switch Voltage Stress. IEEE Transactions on Industrial Electronics, 2021, 68, 1275-1289.	5.2	86
16	Simple Carrier-Based PWM Technique for a Three-to-Nine-Phase Direct AC-AC Converter. IEEE Transactions on Industrial Electronics, 2011, 58, 5014-5023.	5.2	65
17	Common-Mode Voltage and Vibration Mitigation of a Five-Phase Three-Level NPC Inverter-Fed Induction Motor Drive System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 349-361.	3.7	65
18	A Single DC Source Nine-Level Switched-Capacitor Boost Inverter Topology With Reduced Switch Count. IEEE Access, 2020, 8, 5840-5851.	2.6	61

#	ARTICLE	IF	CITATIONS
19	Generalized Duty-Ratio-Based Pulsewidth Modulation Technique for a Three-to- k Phase Matrix Converter. IEEE Transactions on Industrial Electronics, 2011, 58, 3925-3937.	5.2	59
20	Evaluation of Level-Shifted and Phase-Shifted PWM Schemes for Seven Level Single-Phase Packed U Cell Inverter. CPSS Transactions on Power Electronics and Applications, 2018, 3, 232-242.	2.9	59
21	A Six-Phase Series-Connected Two-Motor Drive With Decoupled Dynamic Control. IEEE Transactions on Industry Applications, 2005, 41, 1056-1066.	3.3	58
22	A Novel Three-Phase to Five-Phase Transformation Using a Special Transformer Connection. IEEE Transactions on Power Delivery, 2010, 25, 1637-1644.	2.9	56
23	Common Mode Voltage Reduction in a Single-Phase Quasi Z-Source Inverter for Transformerless Grid-Connected Solar PV Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1352-1363.	3.7	56
24	A New Configurable Topology for Multilevel Inverter With Reduced Switching Components. IEEE Access, 2020, 8, 188726-188741.	2.6	56
25	A review on recent developments in control and optimization of micro grids. Energy Reports, 2022, 8, 4085-4103.	2.5	55
26	A review on fractional order (FO) controllers TM optimization for load frequency stabilization in power networks. Energy Reports, 2021, 7, 4009-4021.	2.5	51
27	Interleaved Multilevel Boost Converter With Minimal Voltage Multiplier Components for High-Voltage Step-Up Applications. IEEE Transactions on Power Electronics, 2020, 35, 12816-12833.	5.4	46
28	A state-of-the-art review on topologies and control techniques of solid-state transformers for electric vehicle extreme fast charging. IET Power Electronics, 2021, 14, 1560-1576.	1.5	45
29	Closed-Loop Control and Boundary for CCM and DCM of Nonisolated Inverting N -Multilevel Boost Converter for High-Voltage Step-Up Applications. IEEE Transactions on Industrial Electronics, 2020, 67, 2863-2874.	5.2	44
30	New Asymmetrical Modular Multilevel Inverter Topology With Reduced Number of Switches. IEEE Access, 2021, 9, 27627-27637.	2.6	44
31	ANT-colony optimization-direct torque control for a doubly fed induction motor : An experimental validation. Energy Reports, 2022, 8, 81-98.	2.5	43
32	DTC of Three-Level NPC Inverter Fed Five-Phase Induction Motor Drive With Novel Neutral Point Voltage Balancing Scheme. IEEE Transactions on Power Electronics, 2018, 33, 1487-1500.	5.4	42
33	A Secure and Decentralized Blockchain Based EV Energy Trading Model Using Smart Contract in V2G Network. IEEE Access, 2021, 9, 75761-75777.	2.6	42
34	Quadruple Boost Multilevel Inverter (QB-MLI) Topology With Reduced Switch Count. IEEE Transactions on Power Electronics, 2021, 36, 7372-7377.	5.4	42
35	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.	3.3	39
36	A New Family of Step-Up Hybrid Switched-Capacitor Integrated Multilevel Inverter Topologies With Dual Input Voltage Sources. IEEE Access, 2021, 9, 4398-4410.	2.6	39

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37	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.	3.3	35
38	A transformerless high gain $\langle \text{sc} \rangle \text{dc} \leftarrow \text{dc} \langle \text{sc} \rangle$ boost converter with reduced voltage stress. International Transactions on Electrical Energy Systems, 2021, 31, e12877.	1.2	35
39	A high gain noninverting DC \leftarrow DC converter with low voltage stress for industrial applications. International Journal of Circuit Theory and Applications, 2021, 49, 4212-4230.	1.3	35
40	Adaptive neuro-fuzzy inference system based maximum power point tracking of a solar PV module. , 2010, , .		34
41	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.	2.6	34
42	Review on classification of resonant converters for electric vehicle application. Energy Reports, 2022, 8, 1091-1113.	2.5	34
43	Sensorless sliding mode observer for a five-phase permanent magnet synchronous motor drive. ISA Transactions, 2015, 58, 462-473.	3.1	33
44	Generalized Theory and Analysis of Scalar Modulation Techniques for a $m \times n$ Matrix Converter. IEEE Transactions on Power Electronics, 2017, 32, 4864-4877.	5.4	33
45	Selective Harmonic Elimination in a Wide Modulation Range Using Modified Newton-Raphson and Pattern Generation Methods for a Multilevel Inverter. Energies, 2018, 11, 458.	1.6	33
46	New tri-state switching state non-isolated high gain DC \leftarrow DC boost converter for microgrid application. IET Power Electronics, 2019, 12, 2741-2750.	1.5	33
47	Recent trends and review on $\langle \text{sc} \rangle$ switched capacitor based $\langle \text{sc} \rangle$ single stage boost multilevel inverter. International Transactions on Electrical Energy Systems, 2021, 31, e12730.	1.2	33
48	Three-Phase to Seven-Phase Power Converting Transformer. IEEE Transactions on Energy Conversion, 2012, 27, 757-766.	3.7	32
49	An improved asymmetrical multilevel inverter topology with reduced semiconductor device count. International Transactions on Electrical Energy Systems, 2020, 30, e12587.	1.2	32
50	Novel Level Shifted PWM Technique for Unequal and Equal Power Sharing in Quasi Z-Source Cascaded Multilevel Inverter for PV Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 937-948.	3.7	32
51	Dynamics of a series-connected two-motor five-phase drive system with a single-inverter supply. , 0, , .		31
52	A PWM Scheme for a Five-Phase VSI Supplying a Five-Phase Two-Motor Drive. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	31
53	Investigation on SVM-Backstepping sensorless control of five-phase open-end winding induction motor based on model reference adaptive system and parameter estimation. Engineering Science and Technology, an International Journal, 2019, 22, 1013-1026.	2.0	31
54	MRAS-based sensorless control of a vector controlled five-phase induction motor drive. Electric Power Systems Research, 2008, 78, 1311-1321.	2.1	30

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55	A New Variable Frequency Control of 49-Level Cascaded Packed U-Cell Voltage Source Inverter. IEEE Transactions on Industry Applications, 2019, 55, 7537-7548.	3.3	30
56	A New Eight Switch Seven Level Boost Active Neutral Point Clamped (8S-7L-BANPC) Inverter. IEEE Access, 2020, 8, 203972-203981.	2.6	30
57	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. IEEE Access, 2019, 7, 100605-100617.	2.6	29
58	Design and Implementation of Cascaded Multilevel qZSI Powered Single-Phase Induction Motor for Isolated Grid Water Pump Application. IEEE Transactions on Industry Applications, 2020, 56, 1907-1917.	3.3	29
59	Finite set model predictive current control with reduced and constant common mode voltage for a five-phase voltage source inverter. , 2014, , .		28
60	An Event-Triggered Robust Attitude Control of Flexible Spacecraft With Modified Rodrigues Parameters Under Limited Communication. IEEE Access, 2019, 7, 93198-93211.	2.6	28
61	Selective harmonics elimination in multilevel inverter by a derivative-free iterative method under varying voltage condition. ISA Transactions, 2019, 92, 241-256.	3.1	27
62	Fast and precise global maximum power point tracking techniques for photovoltaic system. IET Renewable Power Generation, 2019, 13, 2569-2579.	1.7	27
63	Adaptive neuro-fuzzy inference system-based maximum power point tracking of solar PV modules for fast varying solar radiations. International Journal of Sustainable Energy, 2012, 31, 383-398.	1.3	26
64	High Gain Switched-Inductor-Double-Leg Converter With Wide Duty Range for DC Microgrid. IEEE Transactions on Industrial Electronics, 2021, 68, 9561-9573.	5.2	26
65	A Space Vector PWM Technique for Symmetrical Six-Phase Voltage Source Inverters. EPE Journal (European Power Electronics and Drives Journal), 2007, 17, 24-32.	0.7	25
66	Induction Machine/Syn-Rel Two-Motor Five-Phase Series-Connected Drive. IEEE Transactions on Energy Conversion, 2007, 22, 281-289.	3.7	25
67	Power quality effect of using incandescent, fluorescent, CFL and LED lamps on utility grid. , 2015, , .		25
68	Optimisation of hybrid renewable energy system using iterative filter selection approach. IET Renewable Power Generation, 2017, 11, 1440-1445.	1.7	25
69	Extended Kalman Filter Based Sliding Mode Control of Parallel-Connected Two Five-Phase PMSM Drive System. Electronics (Switzerland), 2018, 7, 14.	1.8	25
70	Computation of Power Extraction From Photovoltaic Arrays Under Various Fault Conditions. IEEE Access, 2020, 8, 47619-47639.	2.6	25
71	Implementation and Analysis of a 15-Level Inverter Topology With Reduced Switch Count. IEEE Access, 2021, 9, 40623-40634.	2.6	25
72	A Fast Convergent Homotopy Perturbation Method for Solving Selective Harmonics Elimination PWM Problem in Multi Level Inverter. IEEE Access, 2021, 9, 113040-113051.	2.6	25

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73	A non-isolated quasi-Z-source based high-gain DC-DC converter. International Journal of Circuit Theory and Applications, 2022, 50, 653-682.	1.3	25
74	Design and implementation of a new unity gain nine-level active neutral point clamped multilevel inverter topology. IET Power Electronics, 2020, 13, 3204-3208.	1.5	24
75	Modeling and control of a five-phase series-connected two-motor drive. , 0, , .		23
76	Space Vector PWM for a Five-Phase VSI Supplying Two Five-Phase Series-Connected Machines. , 2006, , .		23
77	MRAS-based sensorless control of a five-phase induction motor drive with a predictive adaptive model. , 2010, , .		23
78	Common mode voltage reduction in a three-to-five phase matrix converter fed induction motor drive. IET Power Electronics, 2017, 10, 817-825.	1.5	23
79	High step-up single switch quadratic modified SEPIC converter for DC microgrid applications. IET Power Electronics, 2020, 13, 3717-3726.	1.5	23
80	Reduced switch count based N -level boost inverter topology for higher voltage gain. IET Power Electronics, 2020, 13, 3505-3509.	1.5	23
81	Enhanced control technique for a sensor-less wind driven doubly fed induction generator for energy conversion purpose. Energy Reports, 2021, 7, 5815-5833.	2.5	22
82	Sensorless direct torque control of five-phase induction motor drives. , 2011, , .		21
83	Comparative analysis of carrier schemes for PWM in multilevel PUC inverter for PV applications. , 2016, , .		21
84	Novel Level-Shifted PWM Technique for Equal Power Sharing Among Quasi-Z-Source Modules in Cascaded Multilevel Inverter. IEEE Transactions on Power Electronics, 2021, 36, 4766-4777.	5.4	21
85	Asymmetrical multilevel inverter topology with low total standing voltage and reduced switches count. International Journal of Circuit Theory and Applications, 2021, 49, 1757-1775.	1.3	21
86	An improved asymmetrical multi-level inverter topology with boosted output voltage and reduced components count. IET Power Electronics, 2021, 14, 2052-2066.	1.5	21
87	Comparative study between the rotor flux oriented control and non-linear backstepping control of a five-phase induction motor drive – an experimental validation. IET Power Electronics, 2016, 9, 2510-2521.	1.5	20
88	Common mode voltage reduction technique in a three-to-three phase indirect matrix converter. IET Electric Power Applications, 2018, 12, 254-263.	1.1	20
89	Modulation With Metaheuristic Approach for Cascaded-MPUC49 Asymmetrical Inverter With Boosted Output. IEEE Access, 2020, 8, 96867-96877.	2.6	20
90	Placement of electric vehicle fast charging stations in distribution network considering power loss, land cost, and electric vehicle population. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 1693-1709.	1.2	20

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91	Pulse width modulation technique for a three-to-five phase matrix converter with reduced commutations. IET Power Electronics, 2016, 9, 466-475.	1.5	19
92	Nine-level asymmetrical single phase multilevel inverter topology with low switching frequency and reduce device counts. , 2017, , .		19
93	Novel Design for Thermal Management of PV Cells in Harsh Environmental Conditions. Energies, 2018, 11, 3231.	1.6	19
94	High gain three-state switching hybrid boost converter for DC microgrid applications. IET Power Electronics, 2019, 12, 3656-3667.	1.5	19
95	A New High Gain Active Switched Network-Based Boost Converter for DC Microgrid Application. IEEE Access, 2021, 9, 68253-68265.	2.6	19
96	A Cross Connected Asymmetrical Switched-Capacitor Multilevel Inverter. IEEE Access, 2021, 9, 96416-96429.	2.6	19
97	A 9- and 13-Level Switched-Capacitor-Based Multilevel Inverter With Enhanced Self-Balanced Capacitor Voltage Capability. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 7225-7237.	3.7	19
98	Medium voltage drives - challenges and requirements. , 2010, , .		18
99	Model predictive control of a three-to-five phase matrix converter. , 2011, , .		17
100	Five-to-three phase direct matrix converter with model predictive control. , 2013, , .		17
101	Design of a proportional resonant controller for packed U cell 5 level inverter for grid-connected applications. , 2016, , .		17
102	Space vector pulse width modulation control techniques for a five-phase quasi-impedance source inverter. IET Electric Power Applications, 2018, 12, 379-387.	1.1	17
103	Modified multilevel buck-boost converter with equal voltage across each capacitor: analysis and experimental investigations. IET Power Electronics, 2019, 12, 3318-3330.	1.5	17
104	Reduced Order Modeling and Sliding Mode Control of Active Magnetic Bearing. IEEE Access, 2019, 7, 113324-113334.	2.6	16
105	Novel voltage balancing algorithm for single-phase cascaded multilevel inverter for post-module failure operation in solar photovoltaic applications. IET Renewable Power Generation, 2019, 13, 427-437.	1.7	16
106	Transformer-Less Boost Converter With Reduced Voltage Stress for High Voltage Step-Up Applications. IEEE Transactions on Industrial Electronics, 2022, 69, 1498-1508.	5.2	16
107	Model predictive current control of a three-level five-phase NPC VSI using simplified computational approach. , 2014, , .		15
108	Vector controlled five-phase permanent magnet synchronous motor drive. , 2014, , .		15

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109	Single-Phase Transformer-based HF-Isolated Impedance Source Inverters With Voltage Clamping Techniques. IEEE Transactions on Industrial Electronics, 2019, 66, 8434-8444.	5.2	15
110	Non-Isolated DC-DC Power Converter With High Gain and Inverting Capability. IEEE Access, 2021, 9, 62084-62092.	2.6	15
111	7L-SCBI topology with minimal semiconductor device count. IET Power Electronics, 2020, 13, 3199-3203.	1.5	15
112	Extended Kalman filter based speeds estimation of series-connected five-phase two-motor drive system. Simulation Modelling Practice and Theory, 2009, 17, 1346-1360.	2.2	14
113	Differential evolution-based pulse-width modulation technique for multiphase MC. IET Power Electronics, 2019, 12, 2224-2235.	1.5	14
114	Space Vector vs. Sinusoidal Carrier-Based Pulse Width Modulation for a Seven-Phase Voltage Source Inverter. CPSS Transactions on Power Electronics and Applications, 2019, 4, 230-243.	2.9	14
115	Ultra high gain step up DC/DC converter based on switched inductor and improved voltage lift technique for high-voltage applications. IET Power Electronics, 2022, 15, 932-952.	1.5	14
116	PWM scheme for dual matrix converters based five-phase open-end winding drive. , 2013, , .		13
117	Adaptive fuzzy logic-controlled surface mount permanent magnet synchronous motor drive. Systems Science and Control Engineering, 2014, 2, 465-475.	1.8	13
118	Discontinuous space vector pulse width modulation techniques for a five-phase quasi Z-source inverter. , 2015, , .		13
119	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.	1.5	13
120	Performance Analysis of a Three-to-Five Phase Dual Matrix Converter Based on Space Vector Pulse Width Modulation. IEEE Access, 2019, 7, 12307-12318.	2.6	13
121	Using ID-Based Authentication and Key Agreement Mechanism for Securing Communication in Advanced Metering Infrastructure. IEEE Access, 2020, 8, 210503-210512.	2.6	13
122	A Hybrid Multilevel Inverter Scheme for Nine-Phase PPMIM Drive by Using Three-Phase Five-Leg Inverters. IEEE Transactions on Industrial Electronics, 2021, 68, 1895-1904.	5.2	13
123	Enhanced dynamic performance in DC-DC converter-PMDC motor combination through an intelligent non-linear adaptive control scheme. IET Power Electronics, 2022, 15, 1607-1616.	1.5	13
124	A high efficiency single-phase multilevel packed U cell inverter for photovoltaic applications. , 2014, , .		12
125	Analysis of a solar PV/battery/DC set-based hybrid system for a typical telecom load: a case study. International Journal of Sustainable Energy, 2017, 36, 259-276.	1.3	12
126	Modelling and simulation of single- and triple-junction solar cells using MATLAB/SIMULINK. International Journal of Ambient Energy, 2017, 38, 613-621.	1.4	12

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127	Real time implementation of indirect rotor flux oriented control of a five-phase induction motor with novel rotor resistance adaption using sliding mode observer. Journal of the Franklin Institute, 2018, 355, 2112-2141.	1.9	12
128	High Brightness and High Voltage Dimmable LED Driver for Advanced Lighting System. IEEE Access, 2019, 7, 95643-95652.	2.6	12
129	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.	1.2	12
130	Design Optimization of Inductive Power Transfer Systems Considering Bifurcation and Equivalent AC Resistance for Spiral Coils. IEEE Access, 2020, 8, 141584-141593.	2.6	12
131	Penetration of Electric Vehicles in Gulf Region and its Influence on Energy and Economy. IEEE Access, 2021, 9, 89412-89431.	2.6	12
132	Feasibility analysis of solar photovoltaic array cladding on commercial towers in Doha, Qatar – a case study. International Journal of Sustainable Energy, 2010, 29, 76-86.	1.3	11
133	Incipient bearing fault diagnostics for inverter fed induction motor drive using ANFIS. , 2010, , .		11
134	Space vector pulse-width modulation technique for an eleven-phase voltage source inverter with sinusoidal output voltage generation. IET Power Electronics, 2015, 8, 1000-1008.	1.5	11
135	Non-linear backstepping control of five-phase IM drive at low speed conditions – experimental implementation. ISA Transactions, 2016, 65, 244-253.	3.1	11
136	Microgrid in military applications. , 2018, , .		11
137	A Family of High Step-Up A-Source Inverters with Clamped DC-Link Voltage. , 2019, , .		11
138	Single-Phase Z _{AC} -Source AC-AC Converter With High Buck and Boost Voltage Conversion Capability. IEEE Transactions on Industrial Electronics, 2020, 67, 9251-9259.	5.2	11
139	A Single DC Source-Based Three-Level Inverter Topology for a Four-Pole Open-End Winding Nine-Phase PPMIM Drives. IEEE Transactions on Industrial Electronics, 2021, 68, 2750-2759.	5.2	11
140	Voltage Lift Switched Inductor Double Leg Converter With Extended Duty Ratio for DC Microgrid Application. IEEE Access, 2021, 9, 85310-85325.	2.6	11
141	Analysis and implementation of a new asymmetric double H-bridge multilevel inverter. International Journal of Circuit Theory and Applications, 2021, 49, 4012-4026.	1.3	11
142	Novel Level-Shifted PWM Technique for Cascaded Multilevel Quasi-Impedance Source Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5918-5928.	3.7	11
143	MRAS Based Sensorless Control of a Series-Connected Five-Phase Two-Motor Drive System. Journal of Electrical Engineering and Technology, 2008, 3, 224-234.	1.2	11
144	A <sc>switched capacitor</sc> multilevel inverter topology employing a novel variable structure nearest-level modulation. International Transactions on Electrical Energy Systems, 2021, 31, e13151.	1.2	11

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145	Field-Oriented Control of Five-Phase Induction Motor Fed From Space Vector Modulated Matrix Converter. IEEE Access, 2022, 10, 17996-18007.	2.6	11
146	Finite state model predictive current control of a three-level five-phase NPC voltage source inverter. , 2010, , .		10
147	Carrier based PWM technique for a novel three-to-seven phase matrix converter. , 2010, , .		10
148	Space vector pulse width modulation scheme for three to seven phase direct matrix converter. , 2014, , .		10
149	Impact on power quality due to large-scale adoption of compact fluorescent lamps “ a review. International Journal of Ambient Energy, 2017, 38, 435-442.	1.4	10
150	Adaptive direct torque control using Luenberger-sliding mode observer for online stator resistance estimation for five-phase induction motor drives. Electrical Engineering, 2018, 100, 1639-1649.	1.2	10
151	<scp>Modeling</scp> and analysis of novel sixâ€phase <scp>DFIG through asymmetrical</scp> winding structure for disperse generation. International Transactions on Electrical Energy Systems, 2020, 30, e12649.	1.2	10
152	A Case Study to Identify the Hindrances to Widespread Adoption of Electric Vehicles in Qatar. Energies, 2020, 13, 3994.	1.6	10
153	Phase Reconfiguring Technique for Enhancing the Modulation Index of Multilevel Inverter Fed Nine-Phase IM Drive. IEEE Transactions on Industrial Electronics, 2021, 68, 2898-2906.	5.2	10
154	Improved power quality operation of symmetrical and asymmetrical multilevel inverter using invasive weed optimization technique. Energy Reports, 2022, 8, 3323-3336.	2.5	10
155	Space vector model of a three-phase to five-phase AC/AC converter. , 2013, , .		9
156	Failure mode analysis for single-phase Multi-level qZSI interfacing PV system to utility grid. , 2017, , .		9
157	Selected harmonics elimination in multilevel inverter using improved numerical technique. , 2018, , .		9
158	A Novel Sensorless Control for Multiphase Induction Motor Drives Based on Singularly Perturbed Sliding Mode Observer-Experimental Validation. Applied Sciences (Switzerland), 2020, 10, 2776.	1.3	9
159	Modelling, analysis, and implementation of a switchedâ€inductor based DC/DC converter with reduced switch current stress. IET Power Electronics, 2021, 14, 1504-1514.	1.5	9
160	Comprehensive performance analysis of flexible asynchronous AC link under various unbalanced grid voltage conditions. Energy Reports, 2021, 7, 750-761.	2.5	9
161	A Detailed Full-Order Discrete-Time Modeling and Stability Prediction of the Single-Phase Dual Active Bridge DC-DC Converter. IEEE Access, 2022, 10, 31868-31884.	2.6	9
162	Common-mode voltage control through vector selection in three-to-five phase matrix converter. , 2014, , .		8

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163	Space vector PWM for a three-phase to six-phase direct AC/AC converter. , 2015, , .		8
164	SHE PWM for multilevel inverter using modified NR and pattern generation for wide range of solutions. , 2018, , .		8
165	A new family of boost active neutral point clamped inverter topology with reduced switch count. IET Power Electronics, 2021, 14, 1433-1443.	1.5	8
166	Double stage converter with low current stress for low to high voltage conversion in nanogrid. Energy Reports, 2021, 7, 5710-5721.	2.5	8
167	Effects of induction machine parameters on its performance as a standalone self excited induction generator. Energy Reports, 2022, 8, 2302-2313.	2.5	8
168	A new highâ€level boost inverter topology with reduced device count. International Journal of Circuit Theory and Applications, 2022, 50, 2777-2792.	1.3	8
169	Rotor broken bar diagnostics in induction motor drive using Wavelet packet transform and ANFIS classification. , 2011, , .		7
170	A hybrid active and reactive power control with Quasi Z-source inverter in single-phase grid-connected PV systems. , 2016, , .		7
171	Thyristor based SVC and multilevel qZSI for Active and Reactive power management in solar PV system. , 2017, , .		7
172	Multiphase Converters. , 2018, , 457-528.		7
173	Systematic Implementation of Multi-Phase Power Supply (Three to Six) Conversion System. Electronics (Switzerland), 2019, 8, 109.	1.8	7
174	Sliding mode control of gridâ€connected wind energy system driven by 2 fiveâ€phase permanent magnet synchronous generators controlled by a new fifteenâ€switch converter. International Transactions on Electrical Energy Systems, 2020, 30, e12480.	1.2	7
175	Design and Sensitivity Analysis of Dynamic Wireless Chargers for Efficient Energy Transfer. IEEE Access, 2021, 9, 16286-16295.	2.6	7
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