

# Firuz Zare

## List of Publications by Citations

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199  
papers

4,040  
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30  
h-index

57  
g-index

251  
ext. papers

5,334  
ext. citations

3.8  
avg. IF

5.98  
L-index

#	Paper	IF	Citations
199	Improvement of Stability and Load Sharing in an Autonomous Microgrid Using Supplementary Droop Control Loop. <i>IEEE Transactions on Power Systems</i> , <b>2010</b> , 25, 796-808	7	424
198	DC Microgrid Technology: System Architectures, AC Grid Interfaces, Grounding Schemes, Power Quality, Communication Networks, Applications, and Standardizations Aspects. <i>IEEE Access</i> , <b>2017</b> , 5, 12230-12256	3.5	276
197	Power Management and Power Flow Control With Back-to-Back Converters in a Utility Connected Microgrid. <i>IEEE Transactions on Power Systems</i> , <b>2010</b> , 25, 821-834	7	213
196	A Hybrid Cascade Converter Topology With Series-Connected Symmetrical and Asymmetrical Diode-Clamped H-Bridge Cells. <i>IEEE Transactions on Power Electronics</i> , <b>2011</b> , 26, 51-65	7.2	169
195	Droop Control of Converter-Interfaced Microsources in Rural Distributed Generation. <i>IEEE Transactions on Power Delivery</i> , <b>2010</b> , 25, 2768-2778	4.3	168
194	Load sharing and power quality enhanced operation of a distributed microgrid. <i>IET Renewable Power Generation</i> , <b>2009</b> , 3, 109	2.9	139
193	Operation and control of a hybrid microgrid containing unbalanced and nonlinear loads. <i>Electric Power Systems Research</i> , <b>2010</b> , 80, 954-965	3.5	100
192	Multi-output DCDC converters based on diode-clamped converters configuration: topology and control strategy. <i>IET Power Electronics</i> , <b>2010</b> , 3, 197	2.2	99
191	Voltage imbalance analysis in residential low voltage distribution networks with rooftop PVs. <i>Electric Power Systems Research</i> , <b>2011</b> , 81, 1805-1814	3.5	96
190	Angle droop versus frequency droop in a voltage source converter based autonomous microgrid <b>2009</b> ,		96
189	Voltage-sharing converter to supply single-phase asymmetrical four-level diode-clamped inverter with high power factor loads. <i>IEEE Transactions on Power Electronics</i> , <b>2010</b> , 25, 2507-2520	7.2	88
188	Harmonic Analysis of Grid Connected Power Electronic Systems in Low Voltage Distribution Networks. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2016</b> , 4, 70-79	5.6	82
187	. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 4064-4078	7.2	64
186	Two-level energy management strategy for PV-Fuel cell-battery-based DC microgrid. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 19395-19404	6.7	61
185	A hysteresis current control for single-phase multilevel voltage source inverters: PLD implementation. <i>IEEE Transactions on Power Electronics</i> , <b>2002</b> , 17, 731-738	7.2	58
184	Voltage unbalance improvement in low voltage residential feeders with rooftop PVs using custom power devices. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 55, 362-377	5.1	56
183	Harmonic Emissions of Three-Phase Diode Rectifiers in Distribution Networks. <i>IEEE Access</i> , <b>2017</b> , 5, 28193-28333	3.5	49

182	Multi-output buckboost converter with enhanced dynamic response to load and input voltage changes. <i>IET Power Electronics</i> , <b>2011</b> , 4, 194	2.2	41
181	Control of parallel converters for load sharing with seamless transfer between grid connected and islanded modes <b>2008</b> ,		41
180	Control and protection of a microgrid connected to utility through back-to-back converters. <i>Electric Power Systems Research</i> , <b>2011</b> , 81, 1424-1435	3.5	40
179	. <i>IEEE Access</i> , <b>2019</b> , 7, 67249-67277	3.5	39
178	Performance evaluation of non-thermal plasma on particulate matter, ozone and CO2 correlation for diesel exhaust emission reduction. <i>Chemical Engineering Journal</i> , <b>2015</b> , 276, 240-248	14.7	38
177	Predicting Voltage Unbalance Impacts of Plug-in Electric Vehicles Penetration in Residential Low-voltage Distribution Networks. <i>Electric Power Components and Systems</i> , <b>2013</b> , 41, 1594-1616	1	38
176	Reduced layer planar busbar for voltage source inverters. <i>IEEE Transactions on Power Electronics</i> , <b>2002</b> , 17, 508-516	7.2	38
175	Effect of Pulsed Power on Particle Matter in Diesel Engine Exhaust Using a DBD Plasma Reactor. <i>IEEE Transactions on Plasma Science</i> , <b>2013</b> , 41, 2349-2358	1.3	34
174	Sensitivity analysis of voltage imbalance in distribution networks with rooftop PVs <b>2010</b> ,		33
173	A Multipulse Pattern Modulation Scheme for Harmonic Mitigation in Three-Phase Multimotor Drives. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2016</b> , 4, 174-185	5.6	32
172	Calculations of capacitive couplings in induction generators to analyse shaft voltage. <i>IET Power Electronics</i> , <b>2010</b> , 3, 379	2.2	32
171	Single-phase multilevel inverter based on switched-capacitor structure. <i>IET Power Electronics</i> , <b>2018</b> , 11, 1858-1865	2.2	30
170	Overvoltage prevention in LV smart grid using customer resources coordination. <i>Energy and Buildings</i> , <b>2013</b> , 61, 387-395	7	30
169	A new pulsed power supply topology based on positive buck-boost converters concept. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2010</b> , 17, 1901-1911	2.3	30
168	A Novel High-Voltage Pulsed-Power Supply Based on Low-Voltage SwitchCapacitor Units. <i>IEEE Transactions on Plasma Science</i> , <b>2010</b> , 38, 2877-2887	1.3	30
167	Ultrasound assisted extraction of phenolic acids from broccoli vegetable and using sonochemistry for preparation of MOF-5 nanocubes: Comparative study based on micro-dilution broth and plate count method for synergism antibacterial effect. <i>Ultrasonics Sonochemistry</i> , <b>2018</b> , 40, 1031-1038	8.9	29
166	High-Voltage Modular Power Supply Using Parallel and Series Configurations of Flyback Converter for Pulsed Power Applications. <i>IEEE Transactions on Plasma Science</i> , <b>2012</b> , 40, 2578-2587	1.3	28
165	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3182-3192	4.3	27

164	Effects of Modulation Techniques on the Input Current Interharmonics of Adjustable Speed Drives. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 167-178	8.9	25
163	Harmonic elimination technique for a single-phase multilevel converter with unequal DC link voltage levels. <i>IET Power Electronics</i> , <b>2012</b> , 5, 1418	2.2	25
162	<b>2007</b> ,		25
161	Mode-triggered droop method for the decentralized energy management of an islanded hybrid PV/hydrogen/battery DC microgrid. <i>Energy</i> , <b>2020</b> , 199, 117441	7.9	23
160	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2011</b> , 18, 1181-1188	2.3	23
159	Load Sharing in Medium Voltage Islanded Microgrids With Advanced Angle Droop Control. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 6461-6469	10.7	22
158	Practical approach to model electric motors for electromagnetic interference and shaft voltage analysis. <i>IET Electric Power Applications</i> , <b>2010</b> , 4, 727	1.8	21
157	Smart demand side management of low-voltage distribution networks using multi-objective decision making. <i>IET Generation, Transmission and Distribution</i> , <b>2012</b> , 6, 986	2.5	20
156	. <i>IEEE Transactions on Plasma Science</i> , <b>2011</b> , 39, 1721-1728	1.3	20
155	A Switched-Capacitor-Voltage-Doubler Based Boost Inverter for Common-Mode Voltage Reduction. <i>IEEE Access</i> , <b>2019</b> , 7, 98618-98629	3.5	19
154	A DC-Link Modulation Scheme With Phase-Shifted Current Control for Harmonic Cancellations in Multidrive Applications. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 1837-1840	7.2	18
153	Asynchronous fault location scheme for half-wavelength transmission lines based on propagation characteristics of voltage travelling waves. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 502-510	2.5	18
152	Effects of Passive Components on the Input Current Interharmonics of Adjustable-Speed Drives. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2016</b> , 4, 152-161	5.6	18
151	Common-mode voltage reduction in a motor drive system with a power factor correction. <i>IET Power Electronics</i> , <b>2012</b> , 5, 366-375	2.2	17
150	Analysis of harmonic mitigations using hybrid passive filters <b>2014</b> ,		17
149	Comparison between symmetrical and asymmetrical single phase multilevel inverter with diode-clamped topology. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , <b>2008</b> ,		17
148	A Novel Approach in Filter Design for Grid-Connected Inverters Used in Renewable Energy Systems. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 154-164	8.2	17
147	Enhanced Phase-Shifted Current Control for Harmonic Cancellation in Three-Phase Multiple Adjustable Speed Drive Systems. <i>IEEE Transactions on Power Delivery</i> , <b>2017</b> , 32, 996-1004	4.3	16

146	Operation and control of a microgrid containing inertial and non-inertial micro sources <b>2009</b> ,		16
145	Predictive Pulse-Pattern Current Modulation Scheme for Harmonic Reduction in Three-Phase Multidrive Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 5932-5942	8.9	16
144	A Multimode Supervisory Control Scheme for Coupling Remote Droop-Regulated Microgrids. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 5381-5392	10.7	15
143	Asynchronous Fault Location in Transmission Lines Considering Accurate Variation of the Ground-Mode Traveling Wave Velocity. <i>Energies</i> , <b>2017</b> , 10, 1957	3.1	15
142	Electromagnetic interference issues of power, electronics systems with wide band gap, semiconductor devices <b>2015</b> ,		15
141	Studies in power hardware in the loop (PHIL) simulation using real-time digital simulator (RTDS) <b>2012</b> ,		15
140	A DC Power Exchange Highway Based Power Flow Management for Interconnected Microgrid Clusters. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3347-3357	4.3	14
139	A novel single-phase-to-earth fault location method for distribution network based on zero-sequence components distribution characteristics. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2018</b> , 102, 11-22	5.1	14
138	An adaptive hysteresis current control for a multilevel inverter used in an active power filter <b>2007</b> ,		14
137	<b>2014</b> ,		13
136	Harmonics issues of three-phase diode rectifiers with a small DC link capacitor <b>2014</b> ,		13
135	Power sharing and stability enhancement of an autonomous microgrid with inertial and non-inertial DGs with DSTATCOM <b>2009</b> ,		13
134	Hysteresis Band Current Control for a Single Phase Z-source Inverter with Symmetrical and Asymmetrical Z-network <b>2007</b> ,		13
133	. <i>IEEE Access</i> , <b>2019</b> , 7, 162500-162518	3.5	13
132	An Active Impedance-Source Three-Level T-Type Inverter With Reduced Device Count. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 2966-2976	5.6	13
131	Characterization of Input Current Interharmonics in Adjustable Speed Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 8632-8643	7.2	12
130	Improved method for aging assessment of winding hot-spot insulation of transformer based on the 2-FAL concentration in oil. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2019</b> , 112, 191-198	5.1	12
129	Voltage correction in low voltage distribution networks with rooftop PVs using custom power devices <b>2011</b> ,		12

128	An approach for current balancing in distribution networks with rooftop PVs <b>2012</b> ,		12
127	Power System Stability and Load Sharing in Distributed Generation <b>2008</b> ,		12
126	Analysis of three-phase rectifier systems with controlled DC-link current under unbalanced grids <b>2017</b> ,		11
125	Harmonic Analysis of Multi-Parallel Grid- Connected Inverters in Distribution Networks: Emission and Immunity Issues in the Frequency Range of 0-150 kHz. <i>IEEE Access</i> , <b>2020</b> , 8, 56379-56402	3.5	11
124	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 5440-5450	4.3	11
123	Analysis of phasor measurement method in tracking the power frequency of distorted signals. <i>IET Generation, Transmission and Distribution</i> , <b>2010</b> , 4, 759	2.5	11
122	Applications of power electronics in railway systems <b>2007</b> ,		11
121	3D modeling of an HVDC converter transformer and its application on the electrical field of windings subject to voltage harmonics. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 117, 105581	5.1	11
120	System Design and Energy Management for a Fuel Cell/Battery Hybrid Forklift. <i>Energies</i> , <b>2018</b> , 11, 3440	3.1	11
119	Analysis of High Frequency Harmonics in Distribution Networks: 9 – 50 kHz <b>2019</b> ,		10
118	Impact of high-frequency harmonics (0–1kHz) generated by grid-connected inverters on distribution transformers. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 122, 106177	5.1	10
117	Improving the penetration level of PVs using DC link for residential buildings. <i>Energy and Buildings</i> , <b>2014</b> , 72, 80-86	7	10
116	A Hidden Block in a Grid Connected Active Front End System: Modelling, Control and Stability Analysis. <i>IEEE Access</i> , <b>2017</b> , 5, 11852-11866	3.5	10
115	The impact of grid unbalances on the reliability of DC-link capacitors in a motor drive <b>2017</b> ,		10
114	Improved control strategy for accurate load power sharing in an autonomous microgrid. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 4384-4390	2.5	10
113	Improving Power Quality in Low-Voltage Networks Containing Distributed Energy Resources. <i>International Journal of Emerging Electric Power Systems</i> , <b>2013</b> , 14, 67-78	1.4	10
112	Common-Mode Current Prediction and Analysis in Motor Drive Systems for the New Frequency Range of 2–50 kHz. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 1-1	5.6	10
111	Power sharing control with frequency droop in a hybrid microgrid <b>2013</b> ,		9

110	<b>2017,</b>		9
109	Improving the efficiency of high power piezoelectric transducers for industrial applications. <i>IET Science, Measurement and Technology</i> , <b>2012</b> , 6, 213	1.5	9
108	Online estimation of distorted power system signal parameters. <i>IET Generation, Transmission and Distribution</i> , <b>2010</b> , 4, 746	2.5	9
107	. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 5473-5485	7.2	9
106	A high voltage power converter with a frequency and voltage controller <b>2009,</b>		8
105	A general approach to control a Positive Buck-Boost converter to achieve robustness against input voltage fluctuations and load changes. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , <b>2008,</b>		8
104	Modelling and prediction of current harmonics generated by power converters in distribution networks. <i>IET Generation, Transmission and Distribution</i> , <b>2021</b> , 15, 2191-2202	2.5	8
103	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 6032-6043	8.9	7
102	Load-independent harmonic mitigation in SCR-fed three-phase multiple adjustable speed drive systems with deliberately dispatched firing angles. <i>IET Power Electronics</i> , <b>2018</b> , 11, 727-734	2.2	7
101	Lifetime benchmarking of two DC-link passive filtering configurations in adjustable speed drives <b>2018,</b>		7
100	. <i>IEEE Access</i> , <b>2019</b> , 7, 150863-150891	3.5	7
99	Operation and control of single phase micro-sources in a utility connected grid <b>2009,</b>		7
98	Bearing damage analysis by calculation of capacitive coupling between inner and outer races of a ball bearing <b>2008,</b>		7
97	Harmonic analysis of grid-connected inverters considering external distortions: addressing harmonic emissions up to 9kHz. <i>IET Power Electronics</i> , <b>2020</b> , 13, 1934-1945	2.2	7
96	Analysing DBD plasma lamp intensity versus power consumption using a push-pull pulsed power supply <b>2013,</b>		6
95	Operation and control of hybrid microgrid with angle droop controller <b>2010,</b>		6
94	Stability analysis and control of multiple converter based autonomous microgrid <b>2009,</b>		6
93	Active Power Filters with Unipolar Pulse Width Modulation to Reduce Switching Losses <b>2006,</b>		6

92	A review of electronic inductor technique for power factor correction in three-phase adjustable speed drives <b>2016</b> ,		6
91	Energy Saving and Efficient Energy Use By Power Electronic Systems. <i>Lecture Notes in Energy</i> , <b>2017</b> , 1-140.4		5
90	Voltage quality improvement in distribution networks containing DERs using UPQC <b>2013</b> ,		5
89	Dissimilar trend of nonlinearity in ultrasound transducers and systems at resonance and non-resonance frequencies. <i>Ultrasonics</i> , <b>2017</b> , 74, 21-29	3.5	5
88	Excess power circulation in distribution networks containing distributed energy resources <b>2012</b> ,		5
87	A new DER coordination in LV network based on the concept of distributed control <b>2012</b> ,		5
86	Bidirectional positive buck-boost converter <b>2008</b> ,		5
85	A new DC-DC converter with multi output: Topology and control strategies <b>2008</b> ,		5
84	A New Hysteresis Current Control for Three-phase Inverters Based on Adjacent Voltage Vectors and Time Error <b>2007</b> ,		5
83	A New Random Current Control Technique for a Single-Phase Inverter with Bipolar and Unipolar Modulations <b>2007</b> ,		5
82	A New Predictive Current Control Technique for Multilevel Converters <b>2006</b> ,		5
81	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 1725-1735	5.6	5
80	Current Harmonics Generated by Motor-Side Converter: New Standardizations. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 2868-2880	5.6	5
79	Emerging technologies for PFOS/PFOA degradation: A review.. <i>Science of the Total Environment</i> , <b>2022</b> , 153669	10.2	5
78	Grid-impedance estimation in high-frequency range with a single signal injection using time-frequency distribution. <i>IET Science, Measurement and Technology</i> , <b>2019</b> , 13, 1009-1018	1.5	4
77	Output Filter Design for Grid-Tied Cascaded Multi-Level Inverters Based on Novel Mathematical Expressions. <i>IEEE Access</i> , <b>2020</b> , 8, 62505-62516	3.5	4
76	Dynamic Analysis of a Modular Three-Phase Rectifier System with Harmonic Mitigation Function: Addressing IEC 61000-3-12 <b>2019</b> ,		4
75	Impact of Control Systems on Power Quality at Common DC Bus in DC Grid <b>2019</b> ,		4



74	A novel harmonic elimination approach in three-phase multi-motor drives <b>2015</b> ,		4
73	Sources and mitigation of interharmonics in back-to-back controllable drives <b>2014</b> ,		4
72	Power converters design and analysis for high power piezoelectric ultrasonic transducers <b>2014</b> ,		4
71	Load Frequency Control for Rural Distributed Generation. <i>Electric Power Components and Systems</i> , <b>2010</b> , 38, 637-656	1	4
70	Power quality enhanced operation and control of a microgrid based custom power park <b>2009</b> ,		4
69	A new family of Marx generator based on resonant converter <b>2010</b> ,		4
68	A new common-mode voltage reduction technique for multilevel inverters <b>2007</b> ,		4
67	Harmonic Issues in Future Grids with Grid Connected Solar Inverters: 0.9 kHz <b>2018</b> ,		4
66	Grid impedance estimation using low power signal injection in noisy measurement condition based on wavelet denoising <b>2017</b> ,		3
65	Pulse pattern modulated strategy for harmonic current components reduction in three-phase AC-DC converters <b>2015</b> ,		3
64	Interharmonic analysis and mitigation in adjustable speed drives <b>2014</b> ,		3
63	A novel CDVM based high-voltage converter using low power solid-state switches and a tuned resonant circuit designed for pulsed power applications <b>2012</b> ,		3
62	A flexible solid-state pulsed power topology <b>2012</b> ,		3
61	Parallel and series configurations of flyback converter for pulsed power applications <b>2012</b> ,		3
60	Enhancing the Stability of an Autonomous Microgrid Using DSTATCOM. <i>International Journal of Emerging Electric Power Systems</i> , <b>2010</b> , 10,	1.4	3
59	Common mode voltage in a motor drive system with PFC <b>2010</b> ,		3
58	High frequency model of an electric motor based on measurement results. <i>Australian Journal of Electrical and Electronics Engineering</i> , <b>2008</b> , 4, 17-24	0.6	3
57	Impacts of three-phase power converter operating modes on harmonic emissions in distribution networks: harmonics emission within 2.9kHz. <i>IET Power Electronics</i> , <b>2020</b> , 13, 2935-2942	2.2	3

56	Analysis of 0.9 kHz Current Harmonics in a Three-Phase Power Converter Under Unbalanced-Load Conditions. <i>IEEE Access</i> , <b>2021</b> , 9, 161862-161876	3.5	3
55	Harmonic mitigation technique using active three-phase converters utilised in commercial or industrial distribution networks. <i>IET Power Electronics</i> , <b>2020</b> , 13, 2794-2803	2.2	3
54	Removal of polycyclic aromatic hydrocarbons from wastewater using dual-mode ultrasound system. <i>Water and Environment Journal</i> , <b>2020</b> , 34, 425-434	1.7	3
53	Bidirectional power sharing in an ac/dc system with a dual active bridge converter. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 495-501	2.5	3
52	Investigation of power oscillation at common DC bus in DC grid <b>2019</b> ,		3
51	Performance evaluation of electronic inductor based adjustable speed drives with respect to line current interharmonics <b>2017</b> ,		2
50	IEEE Access Special Section Editorial: Power Quality and Harmonics Issues of Future and Smart Grids. <i>IEEE Access</i> , <b>2019</b> , 7, 132803-132805	3.5	2
49	Harmonic Analysis of Grid-tied Active Front End Inverters for the Frequency Range of 0-9 kHz in Distribution Networks:Addressing Future Regulations <b>2019</b> ,		2
48	A new distributed control strategy to coordinate multiple dstatcoms in LV network <b>2013</b> ,		2
47	Droop control in low voltage islanded microgrids for sharing nonlinear and unbalanced loads <b>2017</b> ,		2
46	A smart current modulation scheme for harmonic reduction in three-phase motor drive applications <b>2015</b> ,		2
45	Power electronic converters for high power ultrasound transducers <b>2012</b> ,		2
44	Common DC link in residential LV network to improve the penetration level of Small-Scale Embedded Generators <b>2012</b> ,		2
43	A new family of multi-output DC-DC converter topologies to supply an asymmetrical four-level diode-clamped inverter. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2011</b> , 30, 451-482	0.7	2
42	Improved power sharing among distributed generators using web based communication <b>2010</b> ,		2
41	The effect of different winding techniques on the stray capacitances of high frequency transformers used in flyback converters <b>2008</b> ,		2
40	Investigation of Shaft Voltage in Wind Turbine Systems with Induction Generators. <i>IEEJ Transactions on Industry Applications</i> , <b>2009</b> , 129, 1092-1100	0.2	2
39	A Full-Feedforward Technique to Mitigate the Grid Distortion Effect on Parallel Grid-Tied Inverters. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	2

38	A New Random Current Control Technique for a Single-Phase Inverter with Bipolar and Unipolar Modulations. <i>IEEJ Transactions on Industry Applications</i> , <b>2008</b> , 128, 402-410	0.2	2
37	Nonlinear Effects of Three-phase Diode Rectifier on Noise Emission in the Frequency Range of 20 kHz <b>2020</b> ,		2
36	Addressing the unbalance loading issue in multi-drive systems with a DC-link modulation scheme for harmonic reduction <b>2016</b> ,		2
35	Impacts of Grid Voltage Harmonics Amplitude and Phase Angle Values on Power Converters in Distribution Networks. <i>IEEE Access</i> , <b>2021</b> , 9, 92017-92029	3.5	2
34	A New Technology to Reduce Harmonic Emission in Distribution Networks: Addressing IEC 61000-3-12 <b>2018</b> ,		2
33	Current Harmonic Estimation Techniques based on Voltage Measurements in Distribution Networks <b>2018</b> ,		2
32	Traveling wave protection based on asynchronously sampled time difference of arrival of modulus traveling waves in per unit line length. <i>Electric Power Systems Research</i> , <b>2018</b> , 165, 250-258	3.5	2
31	Harmonic distortion performance of multi three-phase SCR-fed drive systems with controlled DC-link current under unbalanced grid <b>2017</b> ,		1
30	Dynamic and control analysis of modular multi-parallel rectifiers (MMR) <b>2017</b> ,		1
29	Efficient voltage/current spike reduction by Active Gate Signaling <b>2009</b> ,		1
28	A novel random hysteresis current control for a single-phase inverter. <i>Australian Journal of Electrical and Electronics Engineering</i> , <b>2008</b> , 4, 285-292	0.6	1
27	Effects of switching time on output voltages of a multilevel inverter used in high frequency applications <b>2007</b> ,		1
26	Investigating the Effect of Different Parameters on Harmonics and EMI Emissions at the Frequency Range of 0.1 kHz <b>2020</b> ,		1
25	The effect of high voltage, high frequency pulsed electric field on slain ovine cortical bone. <i>Journal of Medical Signals and Sensors</i> , <b>2014</b> , 4, 113-21	1	1
24	. <i>IEEE Access</i> , <b>2021</b> , 9, 163516-163525	3.5	1
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5	Investigating Pulsed Discharge Polarity Employing Solid-state Pulsed Power Electronics. <i>Electric Power Components and Systems</i> , <b>2015</b> , 43, 2214-2222	1	
4	Mathematical Model of Common-Mode Sources in Long-Cable-Fed Adjustable Speed Drives. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 58, 2013-2028	4.3	
3	Low Frequency Ripple Power Steering Control Strategies for HFL-TPC Connected VSI for PV-BESS/EV Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	

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