

# Firuz Zare

## List of Publications by Year in descending order

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250  
papers

6,311  
citations

109137

35  
h-index

88477

70  
g-index

251  
all docs

251  
docs citations

251  
times ranked

4386  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of Stability and Load Sharing in an Autonomous Microgrid Using Supplementary Droop Control Loop. IEEE Transactions on Power Systems, 2010, 25, 796-808.	4.6	583
2	DC Microgrid Technology: System Architectures, AC Grid Interfaces, Grounding Schemes, Power Quality, Communication Networks, Applications, and Standardizations Aspects. IEEE Access, 2017, 5, 12230-12256.	2.6	522
3	Power Management and Power Flow Control With Back-to-Back Converters in a Utility Connected Microgrid. IEEE Transactions on Power Systems, 2010, 25, 821-834.	4.6	280
4	A Hybrid Cascade Converter Topology With Series-Connected Symmetrical and Asymmetrical Diode-Clamped H-Bridge Cells. IEEE Transactions on Power Electronics, 2011, 26, 51-65.	5.4	244
5	Droop Control of Converter-Interfaced Microsources in Rural Distributed Generation. IEEE Transactions on Power Delivery, 2010, 25, 2768-2778.	2.9	230
6	Load sharing and power quality enhanced operation of a distributed microgrid. IET Renewable Power Generation, 2009, 3, 109.	1.7	187
7	Multi-output DC-DC converters based on diode-clamped converters configuration: topology and control strategy. IET Power Electronics, 2010, 3, 197.	1.5	154
8	Angle droop versus frequency droop in a voltage source converter based autonomous microgrid. , 2009, , .		136
9	Operation and control of a hybrid microgrid containing unbalanced and nonlinear loads. Electric Power Systems Research, 2010, 80, 954-965.	2.1	129
10	Voltage imbalance analysis in residential low voltage distribution networks with rooftop PVs. Electric Power Systems Research, 2011, 81, 1805-1814.	2.1	127
11	Harmonic Analysis of Grid Connected Power Electronic Systems in Low Voltage Distribution Networks. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 70-79.	3.7	126
12	Lifetime Estimation of DC-Link Capacitors in Adjustable Speed Drives Under Grid Voltage Unbalances. IEEE Transactions on Power Electronics, 2019, 34, 4064-4078.	5.4	118
13	Voltage-sharing converter to supply single-phase asymmetrical four-level diode-clamped inverter with high power factor loads. IEEE Transactions on Power Electronics, 2010, 25, 2507-2520.	5.4	112
14	Two-level energy management strategy for PV-Fuel cell-battery-based DC microgrid. International Journal of Hydrogen Energy, 2019, 44, 19395-19404.	3.8	109
15	A Comprehensive Review of Maritime Microgrids: System Architectures, Energy Efficiency, Power Quality, and Regulations. IEEE Access, 2019, 7, 67249-67277.	2.6	92
16	Emerging technologies for PFOS/PFOA degradation and removal: A review. Science of the Total Environment, 2022, 827, 153669.	3.9	83
17	A hysteresis current control for single-phase multilevel voltage source inverters: PLD implementation. IEEE Transactions on Power Electronics, 2002, 17, 731-738.	5.4	80
18	Harmonic Emissions of Three-Phase Diode Rectifiers in Distribution Networks. IEEE Access, 2017, 5, 2819-2833.	2.6	73

#	ARTICLE	IF	CITATIONS
19	Voltage unbalance improvement in low voltage residential feeders with rooftop PVs using custom power devices. International Journal of Electrical Power and Energy Systems, 2014, 55, 362-377.	3.3	65
20	Predicting Voltage Unbalance Impacts of Plug-in Electric Vehicles Penetration in Residential Low-voltage Distribution Networks. Electric Power Components and Systems, 2013, 41, 1594-1616.	1.0	59
21	Reduced layer planar busbar for voltage source inverters. IEEE Transactions on Power Electronics, 2002, 17, 508-516.	5.4	54
22	Single-phase multilevel inverter based on switched-capacitor structure. IET Power Electronics, 2018, 11, 1858-1865.	1.5	54
23	Multi-output buck-boost converter with enhanced dynamic response to load and input voltage changes. IET Power Electronics, 2011, 4, 194.	1.5	53
24	Control of parallel converters for load sharing with seamless transfer between grid connected and islanded modes. , 2008, , .		52
25	Sensitivity analysis of voltage imbalance in distribution networks with rooftop PVs. , 2010, , .		51
26	Performance evaluation of non-thermal plasma on particulate matter, ozone and CO2 correlation for diesel exhaust emission reduction. Chemical Engineering Journal, 2015, 276, 240-248.	6.6	51
27	A Multipulse Pattern Modulation Scheme for Harmonic Mitigation in Three-Phase Multimotor Drives. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 174-185.	3.7	50
28	Control and protection of a microgrid connected to utility through back-to-back converters. Electric Power Systems Research, 2011, 81, 1424-1435.	2.1	48
29	A new pulsed power supply topology based on positive buck-boost converters concept. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 1901-1911.	1.8	47
30	Mode-triggered droop method for the decentralized energy management of an islanded hybrid PV/hydrogen/battery DC microgrid. Energy, 2020, 199, 117441.	4.5	46
31	Leakage current and common mode voltage issues in modern AC drive systems. , 2007, , .		44
32	Calculations of capacitive couplings in induction generators to analyse shaft voltage. IET Power Electronics, 2010, 3, 379.	1.5	44
33	Effect of Pulsed Power on Particle Matter in Diesel Engine Exhaust Using a DBD Plasma Reactor. IEEE Transactions on Plasma Science, 2013, 41, 2349-2358.	0.6	44
34	A Novel High-Voltage Pulsed-Power Supply Based on Low-Voltage Switch-Capacitor Units. IEEE Transactions on Plasma Science, 2010, 38, 2877-2887.	0.6	42
35	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. Ultrasonics Sonochemistry, 2018, 40, 1031-1038.	3.8	41
36	Overvoltage prevention in LV smart grid using customer resources coordination. Energy and Buildings, 2013, 61, 387-395.	3.1	39

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37	Load Sharing in Medium Voltage Islanded Microgrids With Advanced Angle Droop Control. IEEE Transactions on Smart Grid, 2018, 9, 6461-6469.	6.2	37
38	A Novel Approach in Filter Design for Grid-Connected Inverters Used in Renewable Energy Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 154-164.	5.9	37
39	Pulse Pattern-Modulated Strategy for Harmonic Current Components Reduction in Three-Phase AC-DC Converters. IEEE Transactions on Industry Applications, 2016, 52, 3182-3192.	3.3	36
40	High-Voltage Modular Power Supply Using Parallel and Series Configurations of Flyback Converter for Pulsed Power Applications. IEEE Transactions on Plasma Science, 2012, 40, 2578-2587.	0.6	35
41	Effects of Modulation Techniques on the Input Current Interharmonics of Adjustable Speed Drives. IEEE Transactions on Industrial Electronics, 2018, 65, 167-178.	5.2	35
42	Electromagnetic interference issues of power, electronics systems with wide band gap, semiconductor devices. , 2015, , .		33
43	A Solid-State Marx Generator With a Novel Configuration. IEEE Transactions on Plasma Science, 2011, 39, 1721-1728.	0.6	32
44	A Switched-Capacitor-Voltage-Doubler Based Boost Inverter for Common-Mode Voltage Reduction. IEEE Access, 2019, 7, 98618-98629.	2.6	32
45	Harmonic elimination technique for a single-phase multilevel converter with unequal DC link voltage levels. IET Power Electronics, 2012, 5, 1418.	1.5	31
46	Studies in power hardware in the loop (PHIL) simulation using real-time digital simulator (RTDS). , 2012, , .		30
47	Comparison between symmetrical and asymmetrical single phase multilevel inverter with diode-clamped topology. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	29
48	A new family of marx generators based on commutation circuits. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 1181-1188.	1.8	29
49	A DC-Link Modulation Scheme With Phase-Shifted Current Control for Harmonic Cancellations in Multidrive Applications. IEEE Transactions on Power Electronics, 2016, 31, 1837-1840.	5.4	29
50	A DC Power Exchange Highway Based Power Flow Management for Interconnected Microgrid Clusters. IEEE Systems Journal, 2019, 13, 3347-3357.	2.9	29
51	Practical approach to model electric motors for electromagnetic interference and shaft voltage analysis. IET Electric Power Applications, 2010, 4, 727.	1.1	28
52	Impact of high-frequency harmonics (0-9 kHz) generated by grid-connected inverters on distribution transformers. International Journal of Electrical Power and Energy Systems, 2020, 122, 106177.	3.3	28
53	Smart demand side management of low-voltage distribution networks using multi-objective decision making. IET Generation, Transmission and Distribution, 2012, 6, 986.	1.4	27
54	Power Quality Issues of Distorted and Weak Distribution Networks in Mining Industry: A Review. IEEE Access, 2019, 7, 162500-162518.	2.6	27

#	ARTICLE	IF	CITATIONS
55	A Novel Filter Design Method for Grid-Tied Inverters. IEEE Transactions on Power Electronics, 2021, 36, 5473-5485.	5.4	27
56	A novel single-phase-to-earth fault location method for distribution network based on zero-sequence components distribution characteristics. International Journal of Electrical Power and Energy Systems, 2018, 102, 11-22.	3.3	26
57	A Multimode Supervisory Control Scheme for Coupling Remote Droop-Regulated Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 5381-5392.	6.2	26
58	Predictive Pulse-Pattern Current Modulation Scheme for Harmonic Reduction in Three-Phase Multidrive Systems. IEEE Transactions on Industrial Electronics, 2016, 63, 5932-5942.	5.2	25
59	Common-mode voltage reduction in a motor drive system with a power factor correction. IET Power Electronics, 2012, 5, 366-375.	1.5	24
60	Effects of Passive Components on the Input Current Interharmonics of Adjustable-Speed Drives. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 152-161.	3.7	24
61	The impact of grid unbalances on the reliability of DC-link capacitors in a motor drive. , 2017, , .		24
62	Harmonic Analysis of Multi-Parallel Grid- Connected Inverters in Distribution Networks: Emission and Immunity Issues in the Frequency Range of 0-150 kHz. IEEE Access, 2020, 8, 56379-56402.	2.6	24
63	Analysis of harmonic mitigations using hybrid passive filters. , 2014, , .		23
64	Enhanced Phase-Shifted Current Control for Harmonic Cancellation in Three-Phase Multiple Adjustable Speed Drive Systems. IEEE Transactions on Power Delivery, 2017, 32, 996-1004.	2.9	23
65	A novel harmonic elimination method for a three-phase diode rectifier with controlled DC link current. , 2014, , .		22
66	Characterization of Input Current Interharmonics in Adjustable Speed Drives. IEEE Transactions on Power Electronics, 2017, 32, 8632-8643.	5.4	22
67	Asynchronous fault location scheme for half-wavelength transmission lines based on propagation characteristics of voltage travelling waves. IET Generation, Transmission and Distribution, 2019, 13, 502-510.	1.4	22
68	A Modular Active Front-End Rectifier With Electronic Phase Shifting for Harmonic Mitigation in Motor Drive Applications. IEEE Transactions on Industry Applications, 2017, 53, 5440-5450.	3.3	21
69	Asynchronous Fault Location in Transmission Lines Considering Accurate Variation of the Ground-Mode Traveling Wave Velocity. Energies, 2017, 10, 1957.	1.6	21
70	Analysis of High Frequency Harmonics in Distribution Networks: 9 – 150 kHz. , 2019, , .		21
71	Improved method for aging assessment of winding hot-spot insulation of transformer based on the 2-FAL concentration in oil. International Journal of Electrical Power and Energy Systems, 2019, 112, 191-198.	3.3	21
72	An Active Impedance-Source Three-Level T-Type Inverter With Reduced Device Count. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2966-2976.	3.7	21

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73	Hysteresis Band Current Control for a Single Phase Z-source Inverter with Symmetrical and Asymmetrical Z-network. , 2007, , .		20
74	Operation and control of a microgrid containing inertial and non-inertial micro sources. , 2009, , .		20
75	DAB Converter With Q Capability for BESS/EV Applications to Allow V2H/V2G Services. IEEE Transactions on Industry Applications, 2022, 58, 468-480.	3.3	20
76	Voltage correction in low voltage distribution networks with rooftop PVs using custom power devices. , 2011, , .		19
77	Harmonics issues of three-phase diode rectifiers with a small DC link capacitor. , 2014, , .		19
78	3D modeling of an HVDC converter transformer and its application on the electrical field of windings subject to voltage harmonics. International Journal of Electrical Power and Energy Systems, 2020, 117, 105581.	3.3	19
79	An adaptive hysteresis current control for a multilevel inverter used in an active power filter. , 2007, , .		18
80	System Design and Energy Management for a Fuel Cell/Battery Hybrid Forklift. Energies, 2018, 11, 3440.	1.6	18
81	Common-Mode Current Prediction and Analysis in Motor Drive Systems for the New Frequency Range of 2â€“150 kHz. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 74-90.	3.7	18
82	Applications of power electronics in railway systems. , 2007, , .		17
83	Power sharing and stability enhancement of an autonomous microgrid with inertial and non-inertial DGs with DSTATCOM. , 2009, , .		17
84	A Comprehensive Study for the Power Flow Controller Used in Railway Power Systems. IEEE Transactions on Industrial Electronics, 2018, 65, 6032-6043.	5.2	17
85	Power System Stability and Load Sharing in Distributed Generation. , 2008, , .		16
86	A general approach to control a Positive Buck-Boost converter to achieve robustness against input voltage fluctuations and load changes. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	16
87	Operation and control of hybrid microgrid with angle droop controller. , 2010, , .		16
88	A review of electronic inductor technique for power factor correction in three-phase adjustable speed drives. , 2016, , .		16
89	A Hidden Block in a Grid Connected Active Front End System: Modelling, Control and Stability Analysis. IEEE Access, 2017, 5, 11852-11866.	2.6	16
90	Analysis of phasor measurement method in tracking the power frequency of distorted signals. IET Generation, Transmission and Distribution, 2010, 4, 759.	1.4	15

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91	A New Hysteresis Current Control for Three-phase Inverters Based on Adjacent Voltage Vectors and Time Error. , 2007, , .		14
92	An approach for current balancing in distribution networks with rooftop PVs. , 2012, , .		14
93	Analysis of three-phase rectifier systems with controlled DC-link current under unbalanced grids. , 2017, , .		14
94	Effects of DC-link filter on harmonic and interharmonic generation in three-phase adjustable speed drive systems. , 2017, , .		13
95	Output Filter Design for Grid-Tied Cascaded Multi-Level Inverters Based on Novel Mathematical Expressions. IEEE Access, 2020, 8, 62505-62516.	2.6	13
96	A Modular Power Converter With Active Front-End System to Mitigate Harmonics in Distribution Networks. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1725-1735.	3.7	13
97	Modelling and prediction of current harmonics generated by power converters in distribution networks. IET Generation, Transmission and Distribution, 2021, 15, 2191-2202.	1.4	13
98	Bearing damage analysis by calculation of capacitive coupling between inner and outer races of a ball bearing. , 2008, , .		12
99	Online estimation of distorted power system signal parameters. IET Generation, Transmission and Distribution, 2010, 4, 746.	1.4	12
100	Improving the efficiency of high power piezoelectric transducers for industrial applications. IET Science, Measurement and Technology, 2012, 6, 213.	0.9	12
101	Power sharing control with frequency droop in a hybrid microgrid. , 2013, , .		12
102	Improved control strategy for accurate load power sharing in an autonomous microgrid. IET Generation, Transmission and Distribution, 2017, 11, 4384-4390.	1.4	12
103	A Review of Pulsed Power Systems for Degrading Water Pollutants Ranging From Microorganisms to Organic Compounds. IEEE Access, 2019, 7, 150863-150891.	2.6	12
104	A Full-Feedforward Technique to Mitigate the Grid Distortion Effect on Parallel Grid-Tied Inverters. IEEE Transactions on Power Electronics, 2022, 37, 8404-8419.	5.4	12
105	Improving Power Quality in Low-Voltage Networks Containing Distributed Energy Resources. International Journal of Emerging Electric Power Systems, 2013, 14, 67-78.	0.6	11
106	Improving the penetration level of PVs using DC link for residential buildings. Energy and Buildings, 2014, 72, 80-86.	3.1	11
107	Lifetime benchmarking of two DC-link passive filtering configurations in adjustable speed drives. , 2018, , .		11
108	Harmonic analysis of grid-connected inverters considering external distortions: addressing harmonic emissions up to 9 kHz. IET Power Electronics, 2020, 13, 1934-1945.	1.5	11

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109	A Harmonic Mitigation Technique for Multi-Parallel Grid-Connected Inverters in Distribution Networks. IEEE Transactions on Power Delivery, 2022, 37, 2843-2856.	2.9	11
110	Stability analysis and control of multiple converter based autonomous microgrid. , 2009, , .		10
111	Operation and control of single phase micro-sources in a utility connected grid. , 2009, , .		10
112	A high voltage power converter with a frequency and voltage controller. , 2009, , .		10
113	Elimination of Circulating Current in a Parallel PWM Rectifier Using an Interface Circuit. IEEE Transactions on Power Electronics, 2022, 37, 264-273.	5.4	10
114	A New Random Current Control Technique for a Single-Phase Inverter with Bipolar and Unipolar Modulations. , 2007, , .		9
115	Power electronic converters for high power ultrasound transducers. , 2012, , .		9
116	Dynamic Analysis of a Modular Three-Phase Rectifier System with Harmonic Mitigation Function: Addressing IEC 61000-3-12. , 2019, , .		9
117	Harmonic Analysis of Grid-tied Active Front End Inverters for the Frequency Range of 0-9 kHz in Distribution Networks:Addressing Future Regulations. , 2019, , .		9
118	Impacts of Grid Voltage Harmonics Amplitude and Phase Angle Values on Power Converters in Distribution Networks. IEEE Access, 2021, 9, 92017-92029.	2.6	9
119	Current Harmonics Generated by Multiple Adjustable-Speed Drives in Distribution Networks in the Frequency Range of 2â€“9 kHz. IEEE Transactions on Industry Applications, 2022, 58, 4744-4757.	3.3	9
120	Bidirectional positive buck-boost converter. , 2008, , .		8
121	A new DC-DC converter with multi output: Topology and control strategies. , 2008, , .		8
122	Enhancing the Stability of an Autonomous Microgrid Using DSTATCOM. International Journal of Emerging Electric Power Systems, 2010, 10, .	0.6	8
123	Impact of Control Systems on Power Quality at Common DC Bus in DC Grid. , 2019, , .		8
124	Current Harmonics Generated by Motor-Side Converter: New Standardizations. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2868-2880.	3.7	8
125	The effect of different winding techniques on the stray capacitances of high frequency transformers used in flyback converters. , 2008, , .		7
126	Analysing DBD plasma lamp intensity versus power consumption using a push-pull pulsed power supply. , 2013, , .		7



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127	Interharmonic analysis and mitigation in adjustable speed drives. , 2014, , .		7
128	Harmonics analysis of industrial and commercial distribution networks with high penetration of power electronics converters. , 2016, , .		7
129	Load-independent harmonic mitigation in SCR-fed three-phase multiple adjustable speed drive systems with deliberately dispatched firing angles. IET Power Electronics, 2018, 11, 727-734.	1.5	7
130	Harmonic Issues in Future Grids with Grid Connected Solar Inverters: 0-9 kHz. , 2018, , .		7
131	Traveling wave protection based on asynchronously sampled time difference of arrival of modulus traveling waves in per unit line length. Electric Power Systems Research, 2018, 165, 250-258.	2.1	7
132	Grid-tied Inverters in Renewable Energy Systems: Harmonic Emission in 2 to 9 kHz Frequency Range. , 2019, , .		7
133	A New Predictive Current Control Technique for Multilevel Converters. , 2006, , .		6
134	Active Power Filters with Unipolar Pulse Width Modulation to Reduce Switching Losses. , 2006, , .		6
135	Excess power circulation in distribution networks containing distributed energy resources. , 2012, , .		6
136	Voltage quality improvement in distribution networks containing DERs using UPQC. , 2013, , .		6
137	Sources and mitigation of interharmonics in back-to-back controllable drives. , 2014, , .		6
138	Power converters design and analysis for high power piezoelectric ultrasonic transducers. , 2014, , .		6
139	A novel harmonic elimination approach in three-phase multi-motor drives. , 2015, , .		6
140	Dissimilar trend of nonlinearity in ultrasound transducers and systems at resonance and non-resonance frequencies. Ultrasonics, 2017, 74, 21-29.	2.1	6
141	Switched-Capacitor-Based Nanosecond Pulse Generator Using SiC MOSFET. , 2018, , .		6
142	Bidirectional power sharing in an ac/dc system with a dual active bridge converter. IET Generation, Transmission and Distribution, 2019, 13, 495-501.	1.4	6
143	Investigation of power oscillation at common DC bus in DC grid. , 2019, , .		6
144	Removal of polycyclic aromatic hydrocarbons from wastewater using dual-mode ultrasound system. Water and Environment Journal, 2020, 34, 425-434.	1.0	6

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145	Harmonic mitigation technique using active three-phase converters utilised in commercial or industrial distribution networks. IET Power Electronics, 2020, 13, 2794-2803.	1.5	6
146	Reduction of Zero-Sequence and Differential-Mode Circulating Currents and Common-Mode Voltage in Parallel PWM Converters. IEEE Transactions on Industrial Electronics, 2023, 70, 4038-4047.	5.2	6
147	A new common-mode voltage reduction technique for multilevel inverters. , 2007, , .		5
148	A novel random hysteresis current control for a single-phase inverter. Australian Journal of Electrical and Electronics Engineering, 2008, 4, 285-292.	0.7	5
149	Power quality enhanced operation and control of a microgrid based custom power park. , 2009, , .		5
150	A new DER coordination in LV network based on the concept of distributed control. , 2012, , .		5
151	Modular Multi-Parallel Rectifiers (MMR) with two DC link current sensors. , 2016, , .		5
152	Energy Saving and Efficient Energy Use By Power Electronic Systems. Lecture Notes in Energy, 2017, , 1-14.	0.2	5
153	Droop control in low voltage islanded microgrids for sharing nonlinear and unbalanced loads. , 2017, , .		5
154	Dynamic and control analysis of modular multi-parallel rectifiers (MMR). , 2017, , .		5
155	A New Technology to Reduce Harmonic Emission in Distribution Networks: Addressing IEC 61000-3-12. , 2018, , .		5
156	Grid-impedance estimation in high-frequency range with a single signal injection using time-frequency distribution. IET Science, Measurement and Technology, 2019, 13, 1009-1018.	0.9	5
157	A New Random Current Control Technique for a Single-Phase Inverter with Bipolar and Unipolar Modulations. IEEE Transactions on Industry Applications, 2008, 128, 402-410.	0.1	5
158	An enhanced full-feedforward strategy to mitigate output current harmonics in grid-tied inverters. IET Generation, Transmission and Distribution, 2021, 15, 827-835.	1.4	5
159	Extremum Seeking as a Tool for Active Damping of Active Front-End Converters. IEEE Transactions on Industrial Electronics, 2023, 70, 3404-3413.	5.2	5
160	A new family of Marx generator based on resonant converter. , 2010, , .		4
161	Load Frequency Control for Rural Distributed Generation. Electric Power Components and Systems, 2010, 38, 637-656.	1.0	4
162	Common mode voltage in a motor drive system with PFC. , 2010, , .		4

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163	A novel CDVM based high-voltage converter using low power solid-state switches and a tuned resonant circuit designed for pulsed power applications. , 2012, , .		4
164	A high frequency current source converter with adjustable magnitude to drive high power piezoelectric transducers. , 2012, , .		4
165	A smart current modulation scheme for harmonic reduction in three-phase motor drive applications. , 2015, , .		4
166	Interharmonic mitigation of adjustable speed drives using an active DC-link capacitor. , 2015, , .		4
167	A multi-pulse front-end rectifier system with electronic phase-shifting for harmonic mitigation in motor drive applications. , 2016, , .		4
168	Addressing the unbalance loading issue in multi-drive systems with a DC-link modulation scheme for harmonic reduction. , 2016, , .		4
169	Grid impedance estimation using low power signal injection in noisy measurement condition based on wavelet denoising. , 2017, , .		4
170	IEEE Access Special Section Editorial: Power Quality and Harmonics Issues of Future and Smart Grids. IEEE Access, 2019, 7, 132803-132805.	2.6	4
171	Investigation on filter requirements and stability effects of SiC MOSFETâ€based highâ€frequency gridâ€connected converters. Journal of Engineering, 2019, 2019, 4331-4335.	0.6	4
172	Damping Oscillation and Removing Resonance in a RE Based DC Microgrids. IEEE Access, 2021, 9, 163516-163525.	2.6	4
173	Effects of switching time on output voltages of a multilevel inverter used in high frequency applications. , 2007, , .		3
174	High frequency model of an electric motor based on measurement results. Australian Journal of Electrical and Electronics Engineering, 2008, 4, 17-24.	0.7	3
175	A new family of multiâ€output DCâ€DC converter topologies to supply an asymmetrical fourâ€level diodeâ€clamped inverter. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2011, 30, 451-482.	0.5	3
176	A flexible solid-state pulsed power topology. , 2012, , .		3
177	Parallel and series configurations of flyback converter for pulsed power applications. , 2012, , .		3
178	Common DC link in residential LV network to improve the penetration level of Small-Scale Embedded Generators. , 2012, , .		3
179	Pulse pattern modulated strategy for harmonic current components reduction in three-phase AC-DC converters. , 2015, , .		3
180	Input current interharmonics in adjustable speed drives caused by fixed-frequency modulation techniques. , 2016, , .		3

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181	Performance evaluation of electronic inductor based adjustable speed drives with respect to line current interharmonics. , 2017, , .		3
182	Harmonic distortion performance of multi three-phase SCR-fed drive systems with controlled DC-link current under unbalanced grid. , 2017, , .		3
183	Current Harmonic Estimation Techniques based on Voltage Measurements in Distribution Networks. , 2018, , .		3
184	Active Rectifiers and Their Control. , 2018, , 3-52.		3
185	LCL Filter Design for Grid-tied N-Level Cascaded Inverters Used in Renewable Energy Systems. , 2019, , .		3
186	Harmonic Emissions in 0-9 kHz Frequency Range and Transient Effects in Grid-Connected Inverters Utilised in Solar Farms. , 2020, , .		3
187	Calculating the residual life of insulation in transformers connected to solar farms and operated at high load. IEEE Electrical Insulation Magazine, 2020, 36, 10-20.	1.1	3
188	Adaptive grid current feedback active damping for active front end converters. , 2021, , .		3
189	Impacts of three-phase power converter operating modes on harmonic emissions in distribution networks: harmonics emission within 2-9 kHz. IET Power Electronics, 2020, 13, 2935-2942.	1.5	3
190	Investigating the Effect of Different Parameters on Harmonics and EMI Emissions at the Frequency Range of 0-9 kHz. , 2020, , .		3
191	Analysis of 0-9 kHz Current Harmonics in a Three-Phase Power Converter Under Unbalanced-Load Conditions. IEEE Access, 2021, 9, 161862-161876.	2.6	3
192	Mathematical Model of Common-Mode Sources in Long-Cable-Fed Adjustable Speed Drives. IEEE Transactions on Industry Applications, 2022, 58, 2013-2028.	3.3	3
193	A Unified Active Damping for Grid and Converter Current Feedback in Active Front End Converters. IEEE Access, 2022, 10, 30913-30924.	2.6	3
194	A Precise Model of DC-Link Current in Adjustable Speed Drives for the Harmonic Analysis of Electrical Networks. IEEE Access, 2022, 10, 45663-45676.	2.6	3
195	An interactive educational learning tool for power electronics. , 2007, , .		2
196	A pulse width modulation technique for a multilevel converter in high voltage high frequency applications. , 2008, , .		2
197	Investigation of Shaft Voltage in Wind Turbine Systems with Induction Generators. IEEJ Transactions on Industry Applications, 2009, 129, 1092-1100.	0.1	2
198	Using a current source to improve efficiency of a plasma system. , 2009, , .		2

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199	Enhancing Stability of an Autonomous Microgrid using a Gain Scheduled Angle Droop Controller with Derivative Feedback. International Journal of Emerging Electric Power Systems, 2010, 10, .	0.6	2
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