Firuz Zare

List of Publications by Year in Descending Order

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

199 papers	4,040 citations	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	Mathematical Model of Common-Mode Sources in Long-Cable-Fed Adjustable Speed Drives. *IEEE Transactions on Industry Applications*, **2022**, 58, 2013-2028	4.3	
198	A Full-Feedforward Technique to Mitigate the Grid Distortion Effect on Parallel Grid-Tied Inverters. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	2
197	Elimination of Circulating Current in a Parallel PWM Rectifier Using an Interface Circuit. *IEEE Transactions on Power Electronics*, **2022**, 37, 264-273	7.2	1
196	A Unified Active Damping for Grid and Converter Current Feedback in Active Front End Converters. *IEEE Access*, **2022**, 10, 30913-30924	3.5	
195	Emerging technologies for PFOS/PFOA degradation: A review.. *Science of the Total Environment*, **2022**, 153669	10.2	5
194	Current Harmonics Generated by Multiple Adjustable Speed Drives in Distribution Networks in the Frequency Range of 2-9 kHz. *IEEE Transactions on Industry Applications*, **2022**, 1-1	4.3	1
193	A Precise Model of DC-Link Current in Adjustable Speed Drives for the Harmonic Analysis of Electrical Networks. *IEEE Access*, **2022**, 10, 45663-45676	3.5	1
192	Special Issue on Modeling and Analysis of Interaction Between Grids and Grid-Connected Power Electronics Converters in Distribution Networks. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2022**, 10, 2658-2661	5.6	
191	Analysis of 0 kHz Current Harmonics in a Three-Phase Power Converter Under Unbalanced-Load Conditions. *IEEE Access*, **2021**, 9, 161862-161876	3.5	3
190	. *IEEE Access*, **2021**, 9, 163516-163525	3.5	1
189	A Harmonic Mitigation Technique for Multi-Parallel Grid-Connected Inverters in Distribution Networks. *IEEE Transactions on Power Delivery*, **2021**, 1-1	4.3	1
188	An enhanced full-feedforward strategy to mitigate output current harmonics in grid-tied inverters. *IET Generation, Transmission and Distribution*, **2021**, 15, 827-835	2.5	1
187	DAB Converter with Q Capability for BESS/EV Applications to Allow V2H/V2G Services. *IEEE Transactions on Industry Applications*, **2021**, 1-1	4.3	1
186	Modelling and prediction of current harmonics generated by power converters in distribution networks. *IET Generation, Transmission and Distribution*, **2021**, 15, 2191-2202	2.5	8
185	Adaptive grid current feedback active damping for active front end converters **2021**,		1
184	Current Harmonics Generated by Multi-power Converters in Distribution Networks in the Frequency Range of 2-9 kHz **2021**,		1
183	A Practical Approach to Model a Cable with Nonlinear Material Characteristics **2021**,		1

182	. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 9, 1725-1735	5.6	5
181	. *IEEE Transactions on Power Electronics*, **2021**, 36, 5473-5485	7.2	9
180	Current Harmonics Generated by Motor-Side Converter: New Standardizations. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 9, 2868-2880	5.6	5
179	Impacts of Grid Voltage Harmonics Amplitude and Phase Angle Values on Power Converters in Distribution Networks. *IEEE Access*, **2021**, 9, 92017-92029	3.5	2
178	Low Frequency Ripple Power Steering Control Strategies for HFL-TPC Connected VSI for PV-BESS/EV Applications. *IEEE Transactions on Industry Applications*, **2021**, 1-1	4.3	
177	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	5.1	10
176	Mode-triggered droop method for the decentralized energy management of an islanded hybrid PV/hydrogen/battery DC microgrid. *Energy*, **2020**, 199, 117441	7.9	23
175	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	3.5	11
174	Output Filter Design for Grid-Tied Cascaded Multi-Level Inverters Based on Novel Mathematical Expressions. *IEEE Access*, **2020**, 8, 62505-62516	3.5	4
173	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	2.2	3
172	Investigating the Effect of Different Parameters on Harmonics and EMI Emissions at the Frequency Range of 0–9 kHz **2020**,		1
171	. *IEEE Transactions on Plasma Science*, **2020**, 48, 4221-4227	1.3	0
170	A higher-order filter approach to implement grid current based active damping in active front end converters **2020**,		1
169	Nonlinear Effects of Three-phase Diode Rectifier on Noise Emission in the Frequency Range of 2–9 kHz **2020**,		2
168	Harmonic mitigation technique using active three-phase converters utilised in commercial or industrial distribution networks. *IET Power Electronics*, **2020**, 13, 2794-2803	2.2	3
167	Harmonic analysis of grid-connected inverters considering external distortions: addressing harmonic emissions up to 9 kHz. *IET Power Electronics*, **2020**, 13, 1934-1945	2.2	7
166	Removal of polycyclic aromatic hydrocarbons from wastewater using dual-mode ultrasound system. *Water and Environment Journal*, **2020**, 34, 425-434	1.7	3
165	Common-Mode Current Prediction and Analysis in Motor Drive Systems for the New Frequency Range of 2–150 kHz. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2020**, 1-1	5.6	10

164	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	2.1	1
163	A Novel Approach in Filter Design for Grid-Connected Inverters Used in Renewable Energy Systems. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 154-164	8.2	17
162	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	5.1	11
161	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	5.6	13
160	Analysis of High Frequency Harmonics in Distribution Networks: 9 150 kHz **2019**,		10
159	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	1.5	4
158	IEEE Access Special Section Editorial: Power Quality and Harmonics Issues of Future and Smart Grids. *IEEE Access*, **2019**, 7, 132803-132805	3.5	2
157	. *IEEE Access*, **2019**, 7, 67249-67277	3.5	39
156	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	2.5	18
155	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	5.1	12
154	A DC Power Exchange Highway Based Power Flow Management for Interconnected Microgrid Clusters. *IEEE Systems Journal*, **2019**, 13, 3347-3357	4.3	14
153	. *IEEE Transactions on Power Electronics*, **2019**, 34, 4064-4078	7.2	64
152	Two-level energy management strategy for PV-Fuel cell-battery-based DC microgrid. *International Journal of Hydrogen Energy*, **2019**, 44, 19395-19404	6.7	61
151	Dynamic Analysis of a Modular Three-Phase Rectifier System with Harmonic Mitigation Function: Addressing IEC 61000-3-12 **2019**,		4
150	Harmonic Analysis of Grid-tied Active Front End Inverters for the Frequency Range of 0-9 kHz in Distribution Networks:Addressing Future Regulations **2019**,		2
149	A Switched-Capacitor-Voltage-Doubler Based Boost Inverter for Common-Mode Voltage Reduction. *IEEE Access*, **2019**, 7, 98618-98629	3.5	19
148	Impact of Control Systems on Power Quality at Common DC Bus in DC Grid **2019**,		4
147	. *IEEE Access*, **2019**, 7, 150863-150891	3.5	7

146	Bidirectional power sharing in an ac/dc system with a dual active bridge converter. *IET Generation, Transmission and Distribution*, **2019**, 13, 495-501	2.5	3
145	Investigation on filter requirements and stability effects of SiC MOSFET-based high-frequency grid-connected converters. *Journal of Engineering*, **2019**, 2019, 4331-4335	0.7	1
144	Investigation of power oscillation at common DC bus in DC grid **2019**,		3
143	. *IEEE Access*, **2019**, 7, 162500-162518	3.5	13
142	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	5.1	14
141	. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 6032-6043	8.9	7
140	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	2.2	7
139	Lifetime benchmarking of two DC-link passive filtering configurations in adjustable speed drives **2018**,		7
138	A Multimode Supervisory Control Scheme for Coupling Remote Droop-Regulated Microgrids. *IEEE Transactions on Smart Grid*, **2018**, 9, 5381-5392	10.7	15
137	Load Sharing in Medium Voltage Islanded Microgrids With Advanced Angle Droop Control. *IEEE Transactions on Smart Grid*, **2018**, 9, 6461-6469	10.7	22
136	Effects of Modulation Techniques on the Input Current Interharmonics of Adjustable Speed Drives. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 167-178	8.9	25
135	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	8.9	29
134	Single-phase multilevel inverter based on switched-capacitor structure. *IET Power Electronics*, **2018**, 11, 1858-1865	2.2	30
133	Increasing LTCC inductance density by using inverse coupling technique and multi-permeability structure. *AIMS Electronics and Electrical Engineering*, **2018**, 2, 85-102	1	1
132	A New Technology to Reduce Harmonic Emission in Distribution Networks: Addressing IEC 61000-3-12 **2018**,		2
131	Harmonic Issues in Future Grids with Grid Connected Solar Inverters: 0 kHz **2018**,		4
130	3D Electric Field Simulation of Converter Transformer with Real Insulation Materials Utilized in HVDC Systems **2018**,		1
129	Current Harmonic Estimation Techniques based on Voltage Measurements in Distribution Networks **2018**,		2

128	System Design and Energy Management for a Fuel Cell/Battery Hybrid Forklift. *Energies*, **2018**, 11, 3440	3.1	11
127	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	3.5	2
126	Active Rectifiers and Their Control **2018**, 3-52		1
125	Characterization of Input Current Interharmonics in Adjustable Speed Drives. *IEEE Transactions on Power Electronics*, **2017**, 32, 8632-8643	7.2	12
124	Harmonic Emissions of Three-Phase Diode Rectifiers in Distribution Networks. *IEEE Access*, **2017**, 5, 2819-2833	3.5	49
123	Energy Saving and Efficient Energy Use By Power Electronic Systems. *Lecture Notes in Energy*, **2017**, 1-14	0.4	5
122	Analysis of three-phase rectifier systems with controlled DC-link current under unbalanced grids **2017**,		11
121	DC Microgrid Technology: System Architectures, AC Grid Interfaces, Grounding Schemes, Power Quality, Communication Networks, Applications, and Standardizations Aspects. *IEEE Access*, **2017**, 5, 12230-12256	3.5	276
120	Performance evaluation of electronic inductor based adjustable speed drives with respect to line current interharmonics **2017**,		2
119	Grid impedance estimation using low power signal injection in noisy measurement condition based on wavelet denoising **2017**,		3
118	A Hidden Block in a Grid Connected Active Front End System: Modelling, Control and Stability Analysis. *IEEE Access*, **2017**, 5, 11852-11866	3.5	10
117	. *IEEE Transactions on Industry Applications*, **2017**, 53, 5440-5450	4.3	11
116	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	4.3	16
115	Dissimilar trend of nonlinearity in ultrasound transducers and systems at resonance and non-resonance frequencies. *Ultrasonics*, **2017**, 74, 21-29	3.5	5
114	Droop control in low voltage islanded microgrids for sharing nonlinear and unbalanced loads **2017**,		2
113	**2017**,		9
112	The impact of grid unbalances on the reliability of DC-link capacitors in a motor drive **2017**,		10
111	Harmonic distortion performance of multi three-phase SCR-fed drive systems with controlled DC-link current under unbalanced grid **2017**,		1

110	Dynamic and control analysis of modular multi-parallel rectifiers (MMR) **2017**,		1
109	Improved control strategy for accurate load power sharing in an autonomous microgrid. *IET Generation, Transmission and Distribution*, **2017**, 11, 4384-4390	2.5	10
108	Asynchronous Fault Location in Transmission Lines Considering Accurate Variation of the Ground-Mode Traveling Wave Velocity. *Energies*, **2017**, 10, 1957	3.1	15
107	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	5.6	32
106	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	7.2	18
105	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	5.6	82
104	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	5.6	18
103	. *IEEE Transactions on Industry Applications*, **2016**, 52, 3182-3192	4.3	27
102	A review of electronic inductor technique for power factor correction in three-phase adjustable speed drives **2016**,		6
101	Addressing the unbalance loading issue in multi-drive systems with a DC-link modulation scheme for harmonic reduction **2016**,		2
100	Predictive Pulse-Pattern Current Modulation Scheme for Harmonic Reduction in Three-Phase Multidrive Systems. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 5932-5942	8.9	16
99	Investigating Pulsed Discharge Polarity Employing Solid-state Pulsed Power Electronics. *Electric Power Components and Systems*, **2015**, 43, 2214-2222	1	
98	A smart current modulation scheme for harmonic reduction in three-phase motor drive applications **2015**,		2
97	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	14.7	38
96	A novel harmonic elimination approach in three-phase multi-motor drives **2015**,		4
95	Pulse pattern modulated strategy for harmonic current components reduction in three-phase AC-DC converters **2015**,		3
94	Electromagnetic interference issues of power, electronics systems with wide band gap, semiconductor devices **2015**,		15
93	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	5.1	56

92	Improving the penetration level of PVs using DC link for residential buildings. *Energy and Buildings*, **2014**, 72, 80-86	7	10
91	Analysis of harmonic mitigations using hybrid passive filters **2014**,		17
90	**2014**,		13
89	Sources and mitigation of interharmonics in back-to-back controllable drives **2014**,		4
88	Interharmonic analysis and mitigation in adjustable speed drives **2014**,		3
87	Power converters design and analysis for high power piezoelectric ultrasonic transducers **2014**,		4
86	Harmonics issues of three-phase diode rectifiers with a small DC link capacitor **2014**,		13
85	The effect of high voltage, high frequency pulsed electric field on slain ovine cortical bone. *Journal of Medical Signals and Sensors*, **2014**, 4, 113-21	1	1
84	Voltage quality improvement in distribution networks containing DERs using UPQC **2013**,		5
83	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	1.3	34
82	A new distributed control strategy to coordinate multiple dstatcoms in LV network **2013**,		2
81	Power sharing control with frequency droop in a hybrid microgrid **2013**,		9
80	Overvoltage prevention in LV smart grid using customer resources coordination. *Energy and Buildings*, **2013**, 61, 387-395	7	30
79	Analysing DBD plasma lamp intensity versus power consumption using a push-pull pulsed power supply **2013**,		6
78	Improving Power Quality in Low-Voltage Networks Containing Distributed Energy Resources. *International Journal of Emerging Electric Power Systems*, **2013**, 14, 67-78	1.4	10
77	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	38
76	Common-mode voltage reduction in a motor drive system with a power factor correction. *IET Power Electronics*, **2012**, 5, 366-375	2.2	17
75	A novel CDVM based high-voltage converter using low power solid-state switches and a tuned resonant circuit designed for pulsed power applications **2012**,		3

74	Harmonic elimination technique for a single-phase multilevel converter with unequal DC link voltage levels. *IET Power Electronics*, **2012**, 5, 1418	2.2	25
73	Studies in power hardware in the loop (PHIL) simulation using real-time digital simulator (RTDS) **2012**,		15
72	Power electronic converters for high power ultrasound transducers **2012**,		2
71	Improving the efficiency of high power piezoelectric transducers for industrial applications. *IET Science, Measurement and Technology*, **2012**, 6, 213	1.5	9
70	Smart demand side management of low-voltage distribution networks using multi-objective decision making. *IET Generation, Transmission and Distribution*, **2012**, 6, 986	2.5	20
69	A flexible solid-state pulsed power topology **2012**,		3
68	Parallel and series configurations of flyback converter for pulsed power applications **2012**,		3
67	Excess power circulation in distribution networks containing distributed energy resources **2012**,		5
66	A new DER coordination in LV network based on the concept of distributed control **2012**,		5
65	Common DC link in residential LV network to improve the penetration level of Small-Scale Embedded Generators **2012**,		2
64	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	1.3	28
63	An approach for current balancing in distribution networks with rooftop PVs **2012**,		12
62	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	7.2	169
61	A new family of multi-output DC-DC converter topologies to supply an asymmetrical four-level diode-clamped inverter. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2011**, 30, 451-482	0.7	2
60	Multi-output buckBoost converter with enhanced dynamic response to load and input voltage changes. *IET Power Electronics*, **2011**, 4, 194	2.2	41
59	. *IEEE Transactions on Plasma Science*, **2011**, 39, 1721-1728	1.3	20
58	. *IEEE Transactions on Dielectrics and Electrical Insulation*, **2011**, 18, 1181-1188	2.3	23
57	Control and protection of a microgrid connected to utility through back-to-back converters. *Electric Power Systems Research*, **2011**, 81, 1424-1435	3.5	40

56	Voltage imbalance analysis in residential low voltage distribution networks with rooftop PVs. *Electric Power Systems Research*, **2011**, 81, 1805-1814	3.5	96
55	Voltage correction in low voltage distribution networks with rooftop PVs using custom power devices **2011**,		12
54	Enhancing the Stability of an Autonomous Microgrid Using DSTATCOM. *International Journal of Emerging Electric Power Systems*, **2010**, 10,	1.4	3
53	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	7.2	88
52	Load Frequency Control for Rural Distributed Generation. *Electric Power Components and Systems*, **2010**, 38, 637-656	1	4
51	Common mode voltage in a motor drive system with PFC **2010**,		3
50	Improvement of Stability and Load Sharing in an Autonomous Microgrid Using Supplementary Droop Control Loop. *IEEE Transactions on Power Systems*, **2010**, 25, 796-808	7	424
49	Droop Control of Converter-Interfaced Microsources in Rural Distributed Generation. *IEEE Transactions on Power Delivery*, **2010**, 25, 2768-2778	4.3	168
48	Analysis of phasor measurement method in tracking the power frequency of distorted signals. *IET Generation, Transmission and Distribution*, **2010**, 4, 759	2.5	11
47	Online estimation of distorted power system signal parameters. *IET Generation, Transmission and Distribution*, **2010**, 4, 746	2.5	9
46	Multi-output DC□DC converters based on diode-clamped converters configuration: topology and control strategy. *IET Power Electronics*, **2010**, 3, 197	2.2	99
45	Operation and control of hybrid microgrid with angle droop controller **2010**,		6
44	Sensitivity analysis of voltage imbalance in distribution networks with rooftop PVs **2010**,		33
43	A new pulsed power supply topology based on positive buck-boost converters concept. *IEEE Transactions on Dielectrics and Electrical Insulation*, **2010**, 17, 1901-1911	2.3	30
42	Improved power sharing among distributed generators using web based communication **2010**,		2
41	A new family of Marx generator based on resonant converter **2010**,		4
40	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	7	213
39	A Novel High-Voltage Pulsed-Power Supply Based on Low-Voltage Switch□Capacitor Units. *IEEE Transactions on Plasma Science*, **2010**, 38, 2877-2887	1.3	30

38	Practical approach to model electric motors for electromagnetic interference and shaft voltage analysis. *IET Electric Power Applications*, **2010**, 4, 727	1.8	21
37	Calculations of capacitive couplings in induction generators to analyse shaft voltage. *IET Power Electronics*, **2010**, 3, 379	2.2	32
36	Operation and control of a hybrid microgrid containing unbalanced and nonlinear loads. *Electric Power Systems Research*, **2010**, 80, 954-965	3.5	100
35	Asymmetrical DC Link Voltage Configuration for a Diode-Clamped Inverter. *IEEJ Transactions on Industry Applications*, **2010**, 130, 195-206	0.2	1
34	Load sharing and power quality enhanced operation of a distributed microgrid. *IET Renewable Power Generation*, **2009**, 3, 109	2.9	139
33	Angle droop versus frequency droop in a voltage source converter based autonomous microgrid **2009**,		96
32	Stability analysis and control of multiple converter based autonomous microgrid **2009**,		6
31	Operation and control of single phase micro-sources in a utility connected grid **2009**,		7
30	Power sharing and stability enhancement of an autonomous microgrid with inertial and non-inertial DGs with DSTATCOM **2009**,		13
29	Operation and control of a microgrid containing inertial and non-inertial micro sources **2009**,		16
28	A high voltage power converter with a frequency and voltage controller **2009**,		8
27	Efficient voltage/current spike reduction by Active Gate Signaling **2009**,		1
26	Power quality enhanced operation and control of a microgrid based custom power park **2009**,		4
25	Utilising Robustness of Positive Buck-Boost Converter Against Input Voltage and Load Current Disturbances. *Australian Journal of Electrical and Electronics Engineering*, **2009**, 6, 165-178	0.6	0
24	Investigation of Shaft Voltage in Wind Turbine Systems with Induction Generators. *IEEJ Transactions on Industry Applications*, **2009**, 129, 1092-1100	0.2	2
23	Bearing damage analysis by calculation of capacitive coupling between inner and outer races of a ball bearing **2008**,		7
22	Power System Stability and Load Sharing in Distributed Generation **2008**,		12
21	Bidirectional positive buck-boost converter **2008**,		5

20	Control of parallel converters for load sharing with seamless transfer between grid connected and islanded modes **2008**,		41
19	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**,		8
18	Comparison between symmetrical and asymmetrical single phase multilevel inverter with diode-clamped topology. *Power Electronics Specialist Conference (PESC), IEEE*, **2008**,		17
17	The effect of different winding techniques on the stray capacitances of high frequency transformers used in flyback converters **2008**,		2
16	A new DC-DC converter with multi output: Topology and control strategies **2008**,		5
15	A novel random hysteresis current control for a single-phase inverter. *Australian Journal of Electrical and Electronics Engineering*, **2008**, 4, 285-292	0.6	1
14	High frequency model of an electric motor based on measurement results. *Australian Journal of Electrical and Electronics Engineering*, **2008**, 4, 17-24	0.6	3
13	A New Random Current Control Technique for a Single-Phase Inverter with Bipolar and Unipolar Modulations. *IEEJ Transactions on Industry Applications*, **2008**, 128, 402-410	0.2	2
12	Hysteresis Band Current Control for a Single Phase Z-source Inverter with Symmetrical and Asymmetrical Z-network **2007**,		13
11	A new common-mode voltage reduction technique for multilevel inverters **2007**,		4
10	Effects of switching time on output voltages of a multilevel inverter used in high frequency applications **2007**,		1
9	Applications of power electronics in railway systems **2007**,		11
8	A New Hysteresis Current Control for Three-phase Inverters Based on Adjacent Voltage Vectors and Time Error **2007**,		5
7	**2007**,		25
6	A New Random Current Control Technique for a Single-Phase Inverter with Bipolar and Unipolar Modulations **2007**,		5
5	An adaptive hysteresis current control for a multilevel inverter used in an active power filter **2007**,		14
4	Active Power Filters with Unipolar Pulse Width Modulation to Reduce Switching Losses **2006**,		6
3	A New Predictive Current Control Technique for Multilevel Converters **2006**,		5

2	Reduced layer planar busbar for voltage source inverters. *IEEE Transactions on Power Electronics*, **2002**, 17, 508-516	7.2	38
1	A hysteresis current control for single-phase multilevel voltage source inverters: PLD implementation. *IEEE Transactions on Power Electronics*, **2002**, 17, 731-738	7.2	58