

Ebrahim Babaei

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7879999/ebrahim-babaei-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

313
papers

7,668
citations

45
h-index

77
g-index

396
ext. papers

10,621
ext. citations

3.6
avg, IF

7.04
L-index

#	Paper	IF	Citations
313	New High Step-Up DC-DC Converter in PV System: Performance and Analysis. <i>Lecture Notes in Networks and Systems</i> , 2022 , 19-27	0.5	0
312	An Asymmetric Modular Multicell Inverter with Low Number of DC Source and Voltage Stress. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
311	A New Type of Half-Bridge Trans-Z-Source Inverter with Continuous Input Current. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2022 , 46, 461	1.9	0
310	A New Continuous Input Current Nonisolated Bidirectional Interleaved Buck-Boost DC-DC Converter. <i>International Transactions on Electrical Energy Systems</i> , 2022 , 2022, 1-19	2.2	0
309	Analysis, Design, and Investigation of a Soft-Switched Buck Converter with High Efficiency. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	3
308	Expandable Non-Isolated Multi-Input Single-Output DC-DC Converter With High Voltage Gain and Zero-Ripple Input Currents. <i>IEEE Access</i> , 2021 , 9, 169193-169219	3.5	2
307	A 15-Level Switched-Capacitor Multilevel Inverter Structure with Self-Balancing Capacitor. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	4
306	Design, analysis and implementation of a new three-port DC-DC converter with bidirectional capability. <i>IET Power Electronics</i> , 2021 , 14, 2490	2.2	3
305	An Embedded Half-Bridge \bar{Z} -Source Inverter with Reduced Voltage Stress on Capacitors. <i>Energies</i> , 2021 , 14, 6433	3.1	0
304	. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 1629-1643	4.3	3
303	High Gain DC-DC Boost Converter Applied in Hybrid System of Photovoltaic and Battery 2021 ,		1
302	Single-source multilevel inverter based on flyback DC-DC converter. <i>IET Power Electronics</i> , 2021 , 14, 1237.2	2.2	1
301	Optimization and Implementation of a New Topology for Cascaded Multilevel Inverters with Reduced Number of Semiconductor Devices. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2021 , 45, 959-977	1.9	1
300	SIDO coupled inductor-based high voltage conversion ratio DCDC converter with three operations. <i>IET Power Electronics</i> , 2021 , 14, 1735-1752	2.2	0
299	Two-input boost converter for street-lighting applications. <i>Computers and Electrical Engineering</i> , 2021 , 92, 107126	4.3	2
298	Multiobjective Optimal Power Flow Using a Semidefinite Programming-Based Model. <i>IEEE Systems Journal</i> , 2021 , 15, 158-169	4.3	5
297	A Modularized Bidirectional Charge Equalizer for Series-Connected Cell Strings. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 6739-6749	8.9	5

296	Active-switched boost quasi-Z-source inverter with few components. <i>Electrical Engineering</i> , 2021 , 103, 303-314	1.5	1
295	A Reduced Single-Phase Switched-Diode Cascaded Multilevel Inverter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 3556-3569	5.6	14
294	Three-Port High Step-Up and High Step-Down DC-DC Converter With Zero Input Current Ripple. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 1804-1813	7.2	16
293	A new generalized cascade multilevel converter topology and its improved modulation technique. <i>International Journal of Circuit Theory and Applications</i> , 2021 , 49, 1103-1120	2	5
292	Super Twisting Sliding-Mode Control of DVR With Frequency-Adaptive Brockett Oscillator. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 10730-10739	8.9	10
291	Single-phase AC-AC Z-source converter based on asymmetrical gamma structure with continuous input current and safe commutation strategy. <i>IET Power Electronics</i> , 2021 , 14, 680-689	2.2	2
290	Reduced Switch Multilevel Inverter Topologies for Renewable Energy Sources. <i>IEEE Access</i> , 2021 , 9, 120580-120595	3.9	5
289	Dual-mode magnetically integrated photovoltaic microconverter with adaptive mode change and global maximum power point tracking. <i>IET Renewable Power Generation</i> , 2021 , 15, 86-98	2.9	2
288	A Switched-DC Source Sub-Module Multilevel Inverter Topology for Renewable Energy Source Applications. <i>IEEE Access</i> , 2021 , 1-1	3.5	6
287	Analysis and Investigation of a Soft-Switched Synchronous Buck Converter 2021 ,		1
286	Interleaved BuckBoost N-Phase High-Efficiency Converter with Soft Switching and Low Output Voltage Ripple. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 9497-9513	2.5	1
285	Half-Bridge Trans-Z-Source Inverter With Continuous Input Current 2021 ,		2
284	Combined Heat and Power Economic Emission Dispatch Applying Exchange Market Algorithm with Fuzzy Satisfying Techniques. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 165-173	0.4	
283	Modified Single-Phase Z-Source Converter Based on Gamma Structure 2020 ,		3
282	Ladder-Switch Based Multilevel Inverter with Reduced Devices Count 2020 ,		5
281	Analysis, Design and Simulation of Single-Phase Isolated Improved Trans-ZS AC-AC Converter 2020 ,		2
280	A Simple DC-DC Boost Converter With Soft-Switching Performance 2020 ,		3
279	Investigating of bidirectional dc/dc converter in different operational modes and designing of component considering the minimum OVR and filter size. <i>IET Power Electronics</i> , 2020 , 13, 191-201	2.2	

278	Bidirectional multi-port dc/dc converter with low voltage stress on switches and diodes. <i>IET Power Electronics</i> , 2020 , 13, 1593-1604	2.2	11
277	Study and analysis of a DC/DC soft-switched buck converter. <i>IET Power Electronics</i> , 2020 , 13, 1456-1465	2.2	7
276	Multiport DC/DC Converter With Step-Up Capability and Reduced Voltage Stress on Switches/Diodes. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 11902-11915	7.2	20
275	Double-fed and double-switch active Z-source inverter with general variable high boost factor. <i>IET Power Electronics</i> , 2020 , 13, 680-692	2.2	2
274	A New High Step-Up DC-DC Topology with Zero DC Magnetizing Inductance Current and Continuous Input Current 2020 ,		1
273	High voltage gain dual-input dual-output DC-DC converter with reduced voltage stress on semiconductors. <i>International Journal of Circuit Theory and Applications</i> , 2020 , 48, 934-952	2	10
272	Interleaved high step-up zero-voltage zero-current switching boost DC/DC converter. <i>IET Power Electronics</i> , 2020 , 13, 96-103	2.2	6
271	Regenerative switched-inductor/capacitor type DC/DC converter with large voltage gain for PV applications. <i>IET Power Electronics</i> , 2020 , 13, 68-77	2.2	8
270	SiC-based high-gain DC/DC converters with fault ride-through capability. <i>IET Power Electronics</i> , 2020 , 13, 3744-3752	2.2	0
269	A topology of coupled inductor DC/DC converter with large conversion ratio and reduced voltage stress on semiconductors. <i>IET Power Electronics</i> , 2020 , 13, 3339-3350	2.2	0
268	A High Gain DC-DC Topology Based on Two-Winding Coupled Inductors Featuring Continuous Input Current 2020 ,		2
267	Robust Designing of the PSS and SVC Using Genetic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 550-556	0.4	
266	Single input, dual output high step-up/down DC/DC converter with ripple-free input current in the high current port and expandable number of output ports. <i>IET Power Electronics</i> , 2020 , 13, 4439-4452	2.2	0
265	New auxiliary circuit for boost converter to achieve soft-switching operation and zero input current ripple. <i>IET Power Electronics</i> , 2020 , 13, 3910-3921	2.2	0
264	Multi-input high step-up inverter with soft-switching capability, applicable in photovoltaic systems. <i>IET Power Electronics</i> , 2020 , 13, 133-143	2.2	6
263	New basic unit and cascaded multilevel inverters with reduced power electronic devices. <i>International Journal of Electronics</i> , 2020 , 107, 1177-1194	1.2	3
262	Switched Capacitor Inductor Network Based Ultra-Gain DC/DC Converter Using Single Switch. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 10274-10283	8.9	16
261	New Concept for Fault Current Limiter With Voltage Restoration Capability. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 10001-10010	8.9	13

260	Analysis and Reliability Evaluation of a High Step-Up Soft Switching PushPull DCDC Converter. <i>IEEE Transactions on Reliability</i> , 2020 , 69, 1376-1386	4.6	14
259	An Ultra-High Step-Up DCDC Converter With Extendable Voltage Gain and Soft-Switching Capability. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 9238-9250	8.9	31
258	A Hybrid Optimization Technique Using Exchange Market and Genetic Algorithms. <i>IEEE Access</i> , 2020 , 8, 2417-2427	3.5	27
257	Modified Topology for Three-Phase Multilevel Inverters Based on a Developed H-Bridge Inverter. <i>Electronics (Switzerland)</i> , 2020 , 9, 1848	2.6	4
256	Design and analysis of a switched-capacitor DC-DC converter with variable conversion ratio. <i>International Journal of Circuit Theory and Applications</i> , 2020 , 48, 1638-1657	2	10
255	Two High Stepped up Continuous Input Current Active Switched-Inductor Quasi-Z-Source Inverters 2020 ,		1
254	Imperialist Competitive Algorithm with Effective Assimilation Strategy: A Comparative Study on Numerical Benchmark Functions. <i>IETE Journal of Research</i> , 2020 , 66, 697-710	0.9	1
253	A Novel Fast Semidefinite Programming-Based Approach for Optimal Reactive Power Dispatch. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 288-298	11.9	15
252	Two new transformerless high step-down DCDC converters. <i>IET Power Electronics</i> , 2019 , 12, 1205-1219	2.2	6
251	Bidirectional active charge equaliser for series-connected cells. <i>IET Power Electronics</i> , 2019 , 12, 1229-1240	2	9
250	A New Non-Isolated Buck-Boost Converter with High Voltage Gain and Positive Output Voltage for Renewable Energy Applications 2019 ,		4
249	New Non-Isolated High Voltage Gain Single-Switch DC-DC Converter Based on Voltage-Lift Technique* 2019 ,		2
248	New Interleaved Structure with High Voltage-Gain and Low Voltage-Stress on Semiconductors 2019 ,		8
247	Ultra High Step-up DC-DC Converter Based on Switched Inductor-Capacitor Cells 2019 ,		3
246	A New Structure with New Algorithms for Cascaded Multilevel Inverters by Reducing Number of IGBTs 2019 ,		1
245	An Improved Three-Input DC-DC Boost Converter for Hybrid PV/FC/Battery and Bidirectional Load as Backup System for Smart Home 2019 ,		5
244	Expandable interleaved high voltage gain boost DC-DC converter with low switching stress. <i>International Journal of Circuit Theory and Applications</i> , 2019 , 47, 782-804	2	8
243	Ultra-step-up dc/dc converter with low-voltage stress on devices. <i>IET Power Electronics</i> , 2019 , 12, 345-357	2.2	20

242	A new switched-capacitor/switched-inductor based converter with high voltage gain and low voltage stress on switches. <i>International Journal of Circuit Theory and Applications</i> , 2019 , 47, 591-611	2	6
241	CVaR-constrained scheduling strategy for smart multi carrier energy hub considering demand response and compressed air energy storage. <i>Energy</i> , 2019 , 174, 1238-1250	7.9	62
240	Extended Topology for a Boost DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 2375-2384	7.2	37
239	A Novel Multiphase High Step-Up DC/DC Boost Converter With Lower Losses on Semiconductors. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 541-554	5.6	18
238	New 8-Level Basic Structure for Cascaded Multilevel Inverters with Reduced Number of Switches and DC Voltage Sources. <i>Journal of Circuits, Systems and Computers</i> , 2019 , 28, 1950038	0.9	9
237	Design and Analysis of a Developed Multiport High Step-Up DCDC Converter With Reduced Device Count and Normalized Peak Inverse Voltage on the Switches/Diodes. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 5464-5475	7.2	40
236	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 4308-4318	8.9	23
235	A single switch high step-up DC-DC converter with three winding coupled inductor. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2668	2.2	11
234	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 1894-1905	8.9	53
233	A New Basic Unit for Symmetric and Asymmetric Cascaded Multilevel Inverters with Reduced Power Electronic Devices 2019 ,		1
232	Switched Z-source networks: a review. <i>IET Power Electronics</i> , 2019 , 12, 1616-1633	2.2	25
231	Two different non-shoot-through operating modes for generating changeable general boost factor in switched Z-source inverters with modified modulation technique. <i>IET Power Electronics</i> , 2019 , 12, 1686-1696 ⁴	2.2	24
230	New family of non-isolated step-up/down and step-up switched-capacitor-based DCDC converters. <i>IET Power Electronics</i> , 2019 , 12, 1706-1720	2.2	24
229	Class of high step-up switched Z-source inverters: steady state analysis and objective function. <i>IET Power Electronics</i> , 2019 , 12, 1329-1340	2.2	3
228	Effect of different pulse-width modulation control methods on the behaviour of the series modified switched boost inverter. <i>IET Power Electronics</i> , 2019 , 12, 3041-3055	2.2	3
227	A New Interleaved High Voltage Gain Bidirectional Buck-Boost DC/DC Converter with Capability of Zero Voltage Switching. <i>Electric Power Components and Systems</i> , 2019 , 47, 1180-1195	1	0
226	Exchange Market Algorithm for Selective Harmonic Elimination in Cascaded Multilevel Inverters. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 594-601	0.4	1
225	A DCDC Transformerless High Voltage Gain Converter With Low Voltage Stresses on Switches and Diodes. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10600-10609	7.2	20

224	Single-phase common mode transformer-less soft-switching grid-connected inverter with eliminated leakage current. <i>International Journal of Circuit Theory and Applications</i> , 2019 , 47, 838-861	2	5
223	Super Twisting Algorithm Based Sliding Mode Control Method for Single-Phase Dynamic Voltage Restorers 2019 ,		1
222	Analysis and Simulation of Quasi Z-Source with Low Voltage Stress on Capacitors and Diodes 2019 ,		1
221	Design and Implementation of A New Topology for Multilevel Inverter with Reduced Count of IGBTs and DC Voltage Sources Based on Developed H-Bridge 2019 ,		1
220	A New Topology for Cascaded Multilevel Inverter to Generate More Voltage Levels with a Reduced Count of Power Switches 2019 ,		2
219	New Cascaded Multilevel Inverter Configuration with Reduced Number of Components 2019 ,		1
218	Isolated high step-up switched-boost DC/DC converter with modified control method. <i>IET Power Electronics</i> , 2019 , 12, 3635-3645	2.2	12
217	High step-up DC/DC converter with reduced voltage and current stress of elements. <i>IET Power Electronics</i> , 2019 , 12, 2884-2894	2.2	11
216	High step-up DC-DC converter with reduced voltage stress on devices. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2789	2.2	17
215	A New Two Input-Single Output High Voltage Gain Converter With Ripple-Free Input Currents and Reduced Voltage on Semiconductors. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7693-7702	7.2	17
214	Transformer-based multilevel inverters: analysis, design and implementation. <i>IET Power Electronics</i> , 2019 , 12, 1-10	2.2	16
213	Single-Inductor Dual-Output DC/DC Converter With Capability of Feeding a Constant Power Load in Open-Loop Manner. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 6906-6915	8.9	11
212	High step-up single-phase-switched Z-source inverter: steady-state analysis and cost evaluation. <i>IET Power Electronics</i> , 2019 , 12, 639-647	2.2	5
211	A New Generalized Multilevel Converter Topology Based on Cascaded Connection of Basic Units. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 2498-2512	5.6	42
210	Flexible transformer-based multilevel inverter topologies. <i>IET Power Electronics</i> , 2019 , 12, 578-587	2.2	11
209	A novel high step-up DC/DC converter based on three-winding coupled inductor. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , 2019 , 29, 1-10	0.4	0
208	A Developed Structure for DC/DC Quasi-Z-Source Converter with High Voltage Gain and High Reliability. <i>Journal of Circuits, Systems and Computers</i> , 2019 , 28, 1950012	0.9	3
207	An Improved Symmetric H-Bridge Multilevel Converter Topology; An Attempt to Reduce Power Losses. <i>Journal of Circuits, Systems and Computers</i> , 2018 , 27, 1850187	0.9	11

206	Extendable Nonisolated High Gain DCDC Converter Based on ActivePassive Inductor Cells. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 9478-9487	8.9	68
205	A new topology for nonisolated multiport zero voltage switching dc-dc converter. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 1204-1227	2	26
204	A Developed Two-Leg Ladder Multilevel Converter Structure. <i>Journal of Circuits, Systems and Computers</i> , 2018 , 27, 1850183	0.9	6
203	High Step-Up Quasi-Z Source DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 10563-10571	10.571	75
202	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 5092-5095	8.9	15
201	A new nonisolated bidirectional DC-DC converter with ripple-free input current at low-voltage side and high conversion ratio. <i>International Transactions on Electrical Energy Systems</i> , 2018 , 28, e2494	2.2	10
200	A new single-phase multilevel converter topology with reduced power electronic devices, voltage rating on switches, and power losses. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 1372-1391	2	10
199	The exchange market algorithm with smart searching for solving economic dispatch problems. <i>International Journal of Management Science and Engineering Management</i> , 2018 , 13, 175-187	2.8	9
198	A multi-port high step-Up DC-DC converter with reduced normalized voltage stress on switches/diodes 2018 ,		5
197	An interleaved high step-up DC-DC converter with low input current ripple 2018 ,		3
196	High voltage gain dc/dc converters based on coupled inductors. <i>IET Power Electronics</i> , 2018 , 11, 434-452	2.2	30
195	Analyzing a four quadrant dc-dc Luo converter by means of signal flow graph modeling technique. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 1335-1348	4.4	
194	Modified Single-Phase Single-Stage Grid-Tied Flying Inductor Inverter With MPPT and Suppressed Leakage Current. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 221-231	8.9	56
193	A New Structure of Fault Current Limiter Based on the System Impedance With Fast Eliminating Method and Simple Control Procedure. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 261-269	8.9	8
192	Reliability challenge for impedance network-based DC-DC boost converters. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 581-598	2	2
191	Performance analysis and calculation of critical inductance and output voltage ripple of a simple non-isolated multi-input bidirectional DC-DC converter. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 543-564	2	14
190	Voltage-Lift Technique Based Nonisolated Boost DCDC Converter: Analysis and Design. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5917-5926	7.2	57
189	Modeling and synchronized control of dual parallel brushless direct current motors with single inverter. <i>Computers and Electrical Engineering</i> , 2018 , 70, 229-242	4.3	5

188	New Half-Bridge and Full-Bridge Topologies for a Switched-Boost Inverter With Continuous Input Current. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 3188-3197	8.9	27
187	Basic and Quasi Structures of Step-Up Switched Based dc/dc Converter: Steady-State Analysis and Design in Different Operating Modes. <i>Journal of Circuits, Systems and Computers</i> , 2018 , 27, 1850069	0.9	3
186	Z-Source Converters: Topologies, Modulation Techniques, and Applications Part II. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8274-8276	8.9	4
185	An efficient convexified SDP model for multi-objective optimal power flow. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 102, 254-264	5.1	17
184	Modular non-isolated multi-input high step-up dc/dc converter with reduced normalised voltage stress and component count. <i>IET Power Electronics</i> , 2018 , 11, 1092-1100	2.2	32
183	Design of a new combined cascaded multilevel inverter based on developed H-bridge with reduced number of IGBTs and DC voltage sources 2018 ,		7
182	Steady state analysis of dual switched boost inverter 2018 ,		2
181	An energy stored improved Y-source single-phase inverter for photovoltaic system applications 2018 ,		1
180	Non-Isolated Topology for High Step-Up DC-DC Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 1-1	5.6	33
179	A high-voltage gain nonisolated noncoupled inductor based multi-input DC-DC topology with reduced number of components for renewable energy systems. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 505-518	2	31
178	A Non-Isolated Double-Input High Voltage Gain DC-DC Converter with Reduced Normalized Voltage Stress 2018 ,		1
177	New high step-up two-input-single-output converter with low-voltage stresses on switches and zero input currents ripple. <i>IET Power Electronics</i> , 2018 , 11, 2241-2252	2.2	9
176	Coupled-winding-based 11-level inverter: design and cost analysis. <i>IET Power Electronics</i> , 2018 , 11, 2053-2062		
175	A non-isolated high step-up DC-DC converter with integrated 3 winding coupled inductor and reduced switch voltage stress. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 1879-1898	2	17
174	Analysis and design of voltage-lift technique-based non-isolated boost dc/dc converter. <i>IET Power Electronics</i> , 2018 , 11, 1083-1091	2.2	31
173	Generalized nonisolated high step-up DC-DC converter with reduced voltage stress on devices. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 2053-2078	2	15
172	High Step-Up DCDC Converter With Minimum Output Voltage Ripple. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 3568-3575	8.9	58
171	Optimization Assessment of a New Extended Multilevel Converter Topology. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4530-4538	8.9	52

170	A New Interleaved Bidirectional Zero Voltage Switching DC/DC Converter with High Conversion Ratio. <i>Journal of Circuits, Systems and Computers</i> , 2017 , 26, 1750105	0.9	18
169	Steady-State Analysis and Design Considerations of High Voltage Gain Switched Z-Source Inverter With Continuous Input Current. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5342-5350	8.9	51
168	A comprehensive review of dynamic voltage restorers. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 92, 136-155	5.1	64
167	Application of high voltage gain DC-DC converter in photovoltaic system with energy storage 2017 ,		2
166	An improved Non-Isolated Multiple-Input buck dc-dc converter 2017 ,		10
165	A novel DC-DC boost converter using capacitor multiplier for renewable energy applications 2017 ,		3
164	A new structure for non-isolated boost dc-dc converter based on voltage-lift technique 2017 ,		3
163	A new interleaved bidirectional dc/dc converter with zero voltage switching and high voltage gain: analyses, design and simulation. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 1773-1800		21
162	A New Structure of Quasi Z-Source-Based Cascaded Multilevel Inverter. <i>Journal of Circuits, Systems and Computers</i> , 2017 , 26, 1750203	0.9	5
161	A GSO-based algorithm for combined heat and power dispatch problem with modified scrounger and ranger operators. <i>Applied Thermal Engineering</i> , 2017 , 120, 36-48	5.8	35
160	New High Step-Up Multilevel Converter Topology With Self-Voltage Balancing Ability and Its Optimization Analysis. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 7060-7070	8.9	74
159	. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5403-5415	8.9	96
158	Steady-state analysis of high-voltage gain multiple series Z-source inverter. <i>IET Power Electronics</i> , 2017 , 10, 1518-1528	2.2	14
157	High voltage gain half-bridge quasi-switched boost inverter with reduced voltage stress on capacitors. <i>IET Power Electronics</i> , 2017 , 10, 1095-1108	2.2	28
156	Performance and design analysis of an improved non-isolated multiple input buck DCDC converter. <i>IET Power Electronics</i> , 2017 , 10, 1034-1045	2.2	33
155	New structure of nonsuperconducting fault current limiter for wide ranges of currents based on PWM switching strategy 2017 ,		1
154	Modified high voltage gain switched boost inverter. <i>IET Power Electronics</i> , 2017 , 10, 1655-1664	2.2	13
153	Interleaved full ZVZCS DCDC boost converter: analysis, design, reliability evaluations and experimental results. <i>IET Power Electronics</i> , 2017 , 10, 835-845	2.2	31

152	. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 2072-2080	8.9	121
151	High-Voltage Gain Half-Bridge Z-Source Inverter With Low-Voltage Stress on Capacitors. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 191-197	8.9	34
150	A new topology for bidirectional multi-input multi-output buck direct current direct current converter. <i>International Transactions on Electrical Energy Systems</i> , 2017 , 27, e2254	2.2	17
149	A New Structure for Nonisolated Boost DC/DC Converter. <i>Journal of Circuits, Systems and Computers</i> , 2017 , 26, 1750012	0.9	10
148	A Full Soft-Switching ZVZCS Flyback Converter Using an Active Auxiliary Cell. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1123-1129	8.9	28
147	Transformerless Inverter with Charge Pump Circuit Concept for PV Application. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2017 , 1-1	5.6	5
146	Full soft-switching high step-up DC/DC converter based on active resonant cell. <i>IET Power Electronics</i> , 2017 , 10, 1729-1739	2.2	21
145	Analysis and design of switched-boost inverter in CCM, DCM and BCM operations 2017 ,		1
144	Six-phase interleaved boost dc/dc converter with high-voltage gain and reduced voltage stress. <i>IET Power Electronics</i> , 2017 , 10, 1904-1914	2.2	41
143	Analysis and design of a soft-switching boost DC/DC converter. <i>IET Power Electronics</i> , 2017 , 10, 1353-1362	2.2	7
142	High step-up high step-down bidirectional DC/DC converter. <i>IET Power Electronics</i> , 2017 , 10, 1556-1571	2.2	41
141	Four-phase isolated DC-DC converter 2017 ,		1
140	Modified PWM control method for neutral point clamped multilevel inverters 2017 ,		7
139	Analysis of Z-source based DC/DC converter in CCM, DCM and BCM operations 2017 ,		4
138	Exchange market algorithm for multi-objective economic emission dispatch and reliability. <i>Procedia Computer Science</i> , 2017 , 120, 633-640	1.6	8
137	BEMA: Binary Exchange Market Algorithm. <i>Procedia Computer Science</i> , 2017 , 120, 656-663	1.6	4
136	A conventional dynamic voltage restorer with fault current limiting capability. <i>Procedia Computer Science</i> , 2017 , 120, 750-757	1.6	4
135	A New High Step-Up DC/DC Converter Structure by Using Coupled Inductor with Reduced Switch-Voltage Stress. <i>Electric Power Components and Systems</i> , 2017 , 45, 1705-1719	1	5

134	Modeling and control of dual parallel BLDC motor drive system with single inverter 2017 ,		1
133	Quasi-Y source based buck-boost DC-DC converter 2017 ,		1
132	New cascaded multilevel converters based on switched-diode six-level configuration 2017 ,		4
131	Cascaded multilevel inverter based on new sub-module inverter with reduced number of switching devices 2017 ,		5
130	Scheduling and siting of storages considering power peak shaving and loss reduction by exchange market algorithm 2017 ,		8
129	New continuous current quasi Z-source inverter based on capacitor basic unit 2017 ,		1
128	Exchange market algorithm for economic load dispatch. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 75, 19-27	5.1	67
127	An overview of different topologies of multi-port dc/dc converters for dc renewable energy source applications 2016 ,		6
126	A new topology of embedded Z-source inverter with low voltage stress on capacitors 2016 ,		6
125	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 7157-7164	8.9	110
124	A new basic unit for cascaded multilevel inverters with reduced number of power electronic devices 2016 ,		12
123	A new hybrid multilevel inverter based on coupled- inductor and cascaded H-bridge 2016 ,		1
122	A new topology for cascaded multilevel inverters with reduced number of power electronic switches 2016 ,		6
121	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 7777-7779	8.9	4
120	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 7145-7147	8.9	14
119	A Multilevel Inverter with Reduced Power Switches. <i>Arabian Journal for Science and Engineering</i> , 2016 , 41, 3605-3617		12
118	Structure for multi-input multi-output dc/dc boost converter. <i>IET Power Electronics</i> , 2016 , 9, 9-19	2.2	94
117	Optimal design of new cascade multilevel converter topology based on series connection of extended sub-multilevel units. <i>IET Power Electronics</i> , 2016 , 9, 1341-1349	2.2	22

116	Steady-State and Small-Signal Analysis of High-Voltage Gain Half-Bridge Switched Boost Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 3546-3553	8.9	50
115	Robust nonlinear controller based on control Lyapunov function and terminal sliding mode for buck converter. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2016 , 29, 1055-1069	1	10
114	A new DCDC converter based on voltage-lift technique. <i>International Transactions on Electrical Energy Systems</i> , 2016 , 26, 1260-1286	2.2	28
113	A non-isolated three-phase high step-up DCDC converter suitable for renewable energy systems. <i>Electric Power Systems Research</i> , 2016 , 140, 209-224	3.5	37
112	A new sub-multilevel inverter with reduced number of components 2016 ,		7
111	A new basic unit for symmetric and asymmetric cascaded multilevel inverter with reduced number of components 2016 ,		8
110	Investigating the effect of inductor coupling on intrinsic stability of Cuk converter 2016 ,		5
109	Extended high step-up structure for multilevel converter. <i>IET Power Electronics</i> , 2016 , 9, 1894-1902	2.2	29
108	A new topology for Z-source half-bridge inverter with low voltage stress on capacitors. <i>Electric Power Systems Research</i> , 2016 , 140, 722-734	3.5	31
107	Developed embedded switched-Z-source inverter. <i>IET Power Electronics</i> , 2016 , 9, 1828-1841	2.2	62
106	Adaptive controller design based on input-output signal selection for voltage source converter high voltage direct current systems to improve power system stability. <i>Journal of Central South University</i> , 2016 , 23, 2254-2267	2.1	3
105	Calculation of critical inductance in n-input buck dc/dc converter. <i>IET Power Electronics</i> , 2016 , 9, 2434-2444	2.2	16
104	New Extendable 15-Level Basic Unit for Multilevel Inverters. <i>Journal of Circuits, Systems and Computers</i> , 2016 , 25, 1650151	0.9	4
103	Investigation of Buck-boost DCDC Converter Operation in Discontinuous Conduction Mode (DCM) and the Effect of Converter Elements on Output Response Using a Mathematical Model Based on Laplace and Z-Transforms. <i>Electric Power Components and Systems</i> , 2015 , 43, 1509-1522	1	4
102	Interleaved high step-up DCDC converter based on three-winding high-frequency coupled inductor and voltage multiplier cell. <i>IET Power Electronics</i> , 2015 , 8, 175-189	2.2	100
101	Transformer-based inverter with reduced number of switches for renewable energy applications. <i>IET Power Electronics</i> , 2015 , 8, 1875-1884	2.2	30
100	A New Cascaded Multi-level Inverter Topology with Reduced Number of Components and Charge Balance Control Methods Capabilities. <i>Electric Power Components and Systems</i> , 2015 , 43, 2116-2130	1	14
99	A Single-Phase Cascaded Multilevel Inverter Based on a New Basic Unit With Reduced Number of Power Switches. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 922-929	8.9	274

98	A new topology for quasi-Z-source inverter 2015 ,		4
97	A new cascaded multilevel inverter with series and parallel connection ability of DC voltage sources. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2015 , 23, 85-102	0.9	9
96	Optimum Structures of Proposed New Cascaded Multilevel Inverter With Reduced Number of Components. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 6887-6895	8.9	60
95	Z-H buck converter: Analysis and simulation 2015 ,		4
94	Dynamic modeling of modular fuel cell for maximum power point tracking and torque ripple reduction in direct torque control of induction motor. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2015 , 23, 317-334	0.9	3
93	Comparison four topologies for three-phase dynamic voltage restorer 2015 ,		5
92	Analysis of the Transformerless Boost dc-dc Converter with High Voltage Gain in Different Operating Modes and Critical Inductance Calculations 2015 , 4,		2
91	A New Modeling Method and controller design for a DC-DC Zeta Converter 2015 , 3, 8		2
90	Modified Multilevel Inverters Using Series and Parallel Connection of DC Voltage Sources. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 3077-3094		4
89	Assessment of Step-Up DcDc Converter with High Voltage Ratio in Different Operational Modes. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 2033-2043		7
88	Dynamic voltage restorer based on multilevel inverter with adjustable dc-link voltage. <i>IET Power Electronics</i> , 2014 , 7, 576-590	2.2	57
87	Cascaded Multilevel Inverter With Series Connection of Novel H-Bridge Basic Units. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 6664-6671	8.9	162
86	Hybrid Multilevel Inverter Using Switched Capacitor Units. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 4614-4621	8.9	234
85	Exchange market algorithm. <i>Applied Soft Computing Journal</i> , 2014 , 19, 177-187	7.5	133
84	Analysis and investigation of energy transmission process in different operating modes of Sepic converter. <i>IET Power Electronics</i> , 2014 , 7, 819-828	2.2	15
83	A New General Topology for Cascaded Multilevel Inverters With Reduced Number of Components Based on Developed H-Bridge. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 3932-3939	8.9	194
82	Application of Speed, Rotor Flux, Electromagnetic, Load Torque Observers and Diagnostic System in a Vector-Controlled High-Power Traction Motor Drive. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 2979-2996		3
81	A new cascaded multilevel inverter structure with less number of switches 2014 ,		2

80	Analysis of voltage and current stresses of a generalised step-up DCDC converter. <i>IET Power Electronics</i> , 2014 , 7, 1347-1361	2.2	35
79	Improvement of Multilevel Inverters Topology Using Series and Parallel Connections of DC Voltage Sources. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 1117-1127		6
78	A New Pulse Width Modulation Technique for Inverters. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 6235-6247		1
77	Systematical method of designing the elements of the Cuk converter. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 55, 351-361	5.1	15
76	Extended multilevel converters: an attempt to reduce the number of independent DC voltage sources in cascaded multilevel converters. <i>IET Power Electronics</i> , 2014 , 7, 157-166	2.2	121
75	Flying-capacitor stacked multicell multilevel voltage source inverters: analysis and modelling. <i>IET Power Electronics</i> , 2014 , 7, 2969-2987	2.2	23
74	Generalised transformerless ultra step-up DCDC converter with reduced voltage stress on semiconductors. <i>IET Power Electronics</i> , 2014 , 7, 2791-2805	2.2	53
73	Calculation of Output Voltage Ripple and Design Considerations of SEPIC Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 1213-1222	8.9	45
72	Particle swarm optimization with smart inertia factor for solving non-convex economic load dispatch problems. <i>International Transactions on Electrical Energy Systems</i> , 2014 , 24, 1120-1133	2.2	28
71	Development of Pulse Width Modulation Technique for Controlling Inverters Under Balanced and Unbalanced Operations. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 2941-2951		0
70	A New AC/DC Converter for the Interconnections between Wind Farms and HVDC Transmission Lines. <i>Journal of Power Electronics</i> , 2014 , 14, 592-597	0.9	2
69	A New Basic Unit for Cascaded Multilevel Inverters with the Capability of Reducing the Number of Switches. <i>Journal of Power Electronics</i> , 2014 , 14, 671-677	0.9	9
68	Analytical Solution for Steady and Transient States of Buck DCDC Converter in CCM. <i>Arabian Journal for Science and Engineering</i> , 2013 , 38, 3383-3397		3
67	A new topology for multilevel inverter considering its optimal structures. <i>Electric Power Systems Research</i> , 2013 , 103, 145-156	3.5	17
66	A generalized ultra step-up DCDC converter for high voltage application with design considerations. <i>Electric Power Systems Research</i> , 2013 , 105, 71-84	3.5	27
65	Asymmetrical multilevel converter topology with reduced number of components. <i>IET Power Electronics</i> , 2013 , 6, 1188-1196	2.2	48
64	Cascaded cross-switched multilevel inverter in symmetric and asymmetric conditions. <i>IET Power Electronics</i> , 2013 , 6, 1041-1050	2.2	62
63	Cross-switched multilevel inverter: an innovative topology. <i>IET Power Electronics</i> , 2013 , 6, 642-651	2.2	126

62	Economic load dispatch using EPSON. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 49, 160-169	5.1	71
61	Cascaded multilevel inverter using sub-multilevel cells. <i>Electric Power Systems Research</i> , 2013 , 96, 101-110	5.1	45
60	Cross-phase voltage sag compensator for three-phase distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 51, 119-126	5.1	18
59	A new strategy to control three-phase shunt active filters under balanced and unbalanced conditions by controlling one phase current 2013 ,		1
58	Variable DC voltage as a solution to improve output voltage quality in multilevel converters 2013 ,		3
57	Generalized Direct Modulation Control Methods for Matrix Converters under Balanced and Unbalanced Operations. <i>Arabian Journal for Science and Engineering</i> , 2013 , 38, 2423-2438		3
56	Mathematical modeling of buckboost dc/dc converter and investigation of converter elements on transient and steady state responses. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 44, 949-963	5.1	31
55	Improvement the performance of switched-inductor Z-source inverter 2013 ,		5
54	Maximum constant boost control method for switched-inductor Z-source inverter by using battery 2013 ,		8
53	A Generalized Cascaded Multilevel Inverter Using Series Connection of Submultilevel Inverters. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 625-636	7.2	240
52	Improvement of the Performance of the Cascaded Multilevel Inverters Using Power Cells with Two Series Legs. <i>Journal of Power Electronics</i> , 2013 , 13, 223-231	0.9	10
51	A new PWM based control method for forced commutated cycloconverters. <i>Energy Conversion and Management</i> , 2012 , 53, 305-313	10.6	4
50	Sensitive load voltage compensation against voltage sags/swells and harmonics in the grid voltage and limit downstream fault currents using DVR. <i>Electric Power Systems Research</i> , 2012 , 83, 80-90	3.5	46
49	Symmetric and asymmetric multilevel inverter topologies with reduced switching devices. <i>Electric Power Systems Research</i> , 2012 , 86, 122-130	3.5	95
48	Symmetric multilevel inverter with reduced components based on non-insulated dc voltage sources. <i>IET Power Electronics</i> , 2012 , 5, 571	2.2	89
47	A new single-phase cascade multilevel inverter topology using four-level cells 2012 ,		9
46	Analysis of operational modes of step-up dc-dc converter with high voltage gain and calculation of output voltage ripple 2012 ,		1
45	A new shunt active power filter based on indirect matrix converter 2012 ,		9

44	A new cascaded multilevel inverter with reduced number of switches 2012 ,		5
43	Charge balance control of a seven-level asymmetric cascade multilevel inverter 2012 ,		2
42	Flexible multilevel boost DC-AC converter 2012 ,		1
41	New cascaded multilevel inverter topology with reduced variety of magnitudes of dc voltage sources 2012 ,		9
40	Dynamic modeling of UPFC based on indirect matrix converter 2012 ,		3
39	Hysteresis control of a three-phase to two-phase matrix converter 2012 ,		2
38	Optimal power flow using iteration particle swarm optimization 2012 ,		3
37	Back-to-back stacked multicell converter 2012 ,		5
36	Optimal DG placement and sizing in distribution systems using imperialistic competition algorithm 2012 ,		12
35	Modeling and stability analysis of buck-boost dc-dc converter based on Z-transform 2012 ,		4
34	Operational Modes and Output-Voltage-Ripple Analysis and Design Considerations of BuckBoost DCDC Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 381-391	8.9	64
33	A New Multilevel Converter Topology With Reduced Number of Power Electronic Components. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 655-667	8.9	280
32	Mathematical modelling and analysis of transient and steady states of buck dc-dc converter in DCM. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2012 , 32, 337-363	0.7	4
31	A new scheme for multilevel inverter based dynamic voltage restorer 2011 ,		3
30	Development of switching peak current reduction method in switched-capacitor dc-dc converters to n-level converters 2011 ,		3
29	A new DSTATCOM topology based on Stacked Multicell converter 2011 ,		3
28	Double input Z-source DC-DC converter 2011 ,		6
27	A New Topology of Cascaded Multilevel Converters With Reduced Number of Components for High-Voltage Applications. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 3109-3118	7.2	147

26	Dynamic voltage restorer using push-pull inverter 2011 ,		1
25	Voltage quality improvement by a dynamic voltage restorer based on a direct three-phase converter with fictitious DC link. <i>IET Generation, Transmission and Distribution</i> , 2011 , 5, 814	2.5	36
24	Design of a non-linear power system stabiliser using the concept of the feedback linearisation based on the back-stepping technique. <i>IET Generation, Transmission and Distribution</i> , 2011 , 5, 860	2.5	9
23	Series-parallel switched-capacitor based multilevel inverter 2011 ,		11
22	Operation and control of dynamic voltage restorer using single-phase direct converter. <i>Energy Conversion and Management</i> , 2011 , 52, 2965-2972	10.6	20
21	Control of direct three-phase to single-phase converters under balanced and unbalanced operations. <i>Energy Conversion and Management</i> , 2011 , 52, 66-74	10.6	5
20	Investigating Buck DC-DC Converter Operation in Different Operational Modes and Obtaining the Minimum Output Voltage Ripple Considering Filter Size. <i>Journal of Power Electronics</i> , 2011 , 11, 793-800	0.9	22
19	Charge Balance Control Methods for a Class of Fundamental Frequency Modulated Asymmetric Cascaded Multilevel Inverters. <i>Journal of Power Electronics</i> , 2011 , 11, 811-818	0.9	18
18	Application of flexible control methods for D-STATCOM in mitigating voltage sags and swells 2010 ,		3
17	A QPSO based parameters tuning of the conventional power system stabilizer 2010 ,		5
16	A new modeling method for reliability evaluation of Thermal Power Plants 2010 ,		3
15	Optimal Topologies for Cascaded Sub-Multilevel Converters. <i>Journal of Power Electronics</i> , 2010 , 10, 251-261	0.9	69
14	Development of modulation strategies for three-phase to two-phase matrix converters. <i>International Journal of Power Electronics</i> , 2010 , 2, 82	0.2	3
13	Mitigation of Voltage Disturbances Using Dynamic Voltage Restorer Based on Direct Converters. <i>IEEE Transactions on Power Delivery</i> , 2010 , 25, 2676-2683	4.3	76
12	Asymmetric cascaded multilevel inverter with charge balance control of a low resolution symmetric subsystem. <i>Energy Conversion and Management</i> , 2010 , 51, 2272-2278	10.6	40
11	Reduction of THD and low order harmonics with symmetrical output current for single-phase ac/ac matrix converters. <i>International Journal of Electrical Power and Energy Systems</i> , 2010 , 32, 225-235	5.1	25
10	Compensation of voltage disturbances in distribution systems using single-phase dynamic voltage restorer. <i>Electric Power Systems Research</i> , 2010 , 80, 1413-1420	3.5	39
9	New cascaded multilevel inverter topology with minimum number of switches. <i>Energy Conversion and Management</i> , 2009 , 50, 2761-2767	10.6	289

8	A new topology for dynamic voltage restorers without dc link 2009 ,		22
7	PWM-based control strategy for forced commutated cycloconverters 2009 ,		7
6	A Cascade Multilevel Converter Topology With Reduced Number of Switches. <i>IEEE Transactions on Power Electronics</i> , 2008 , 23, 2657-2664	7.2	365
5	New multilevel converter topology with minimum number of gate driver circuits 2008 ,		10
4	Reduction of dc voltage sources and switches in asymmetrical multilevel converters using a novel topology. <i>Electric Power Systems Research</i> , 2007 , 77, 1073-1085	3.5	210
3	Charge balance control methods for asymmetrical cascade multilevel converters 2007 ,		9
2	A New Switching Strategy for 3-Phase to 2-Phase Matrix Converters 2006 ,		2
1	A simple soft-switched buck converter without implementing auxiliary switch. <i>Electrical Engineering</i> , 1	1.5	0