

Mehran Sabahi

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.

155
papers

3,841
citations

33
h-index

56
g-index

179
ext. papers

5,341
ext. citations

3.6
avg, IF

6.22
L-index

#	Paper	IF	Citations
155	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
154	Novel methodology for direct speed control of a permanent magnet synchronous motor with sensorless operation. <i>IET Electric Power Applications</i> , 2021 , 15, 728-741	1.8	0
153	A Limited Common-Mode Current Switched-Capacitor Multilevel Inverter Topology and Its Performance and Lifetime Evaluation in Grid-Connected Photovoltaic Applications. <i>Energies</i> , 2021 , 14, 1915	3.1	5
152	Two-input boost converter for street-lighting applications. <i>Computers and Electrical Engineering</i> , 2021 , 92, 107126	4.3	2
151	High Step-Up DCDC Converter With Efficient Inductive Utilization. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3831-3839	8.9	9
150	Design and implementation of an improved power-electronic system for feeding loads of smart homes in remote areas using renewable energy sources. <i>IET Renewable Power Generation</i> , 2021 , 15, 1-16	2.9	5
149	Practical data connection between MATLAB and microcontrollers using virtual serial port and MicroPython Pyboard: A survey. <i>IET Circuits, Devices and Systems</i> , 2021 , 15, 485-492	1.1	
148	A New Transformer-Less Common Grounded Three-Level Grid-Tied Inverter With Voltage Boosting Capability. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 1896-1909	5.4	9
147	A New Three-Winding Coupled Inductor Nonisolated Quasi-Z-Source High Step-Up DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 11523-11531	7.2	7
146	Operation and Design Consideration of an Ultrahigh Step-Up DCDC Converter Featuring High Power Density. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 6113-6123	5.6	5
145	Fault Current Limiter Dynamic Voltage Restorer (FCL-DVR) With Reduced Number of Components. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2021 , 2, 526-534	2.6	4
144	Operation and design analysis of an interleaved high step-up DCDC converter with improved harnessing of magnetic energy. <i>International Journal of Circuit Theory and Applications</i> , 2021 , 49, 221-243	3	2
143	Modified Single-Phase Z-Source Converter Based on Gamma Structure 2020 ,		3
142	Voltage Boosting Technique for Switched Capacitor Based Cascaded H-Bridge Multilevel Inverter 2020 ,		1
141	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	
140	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
139	Interleaved high step-up zero-voltage zero-current switching boost DCDC converter. <i>IET Power Electronics</i> , 2020 , 13, 96-103	2.2	6

138	High step-down/high step-up interleaved bidirectional DCDC converter with low voltage stress on switches. <i>IET Power Electronics</i> , 2020 , 13, 104-115	2.2	5
137	Single-phase common-grounded transformer-less grid-tied inverter for PV application. <i>IET Power Electronics</i> , 2020 , 13, 157-167	2.2	21
136	A Study on an Improved Three-Winding Coupled Inductor Based DC/DC Boost Converter with Continuous Input Current. <i>Energies</i> , 2020 , 13, 1780	3.1	9
135	A Novel Modulation Method to Reduce Leakage Current in Transformerless Z-source PV Inverters 2020 ,		1
134	Improved P&O Algorithm for Maximum Power Point Tracking at the Photovoltaic Array Using an Interleaved Boost Converter 2020 ,		1
133	New soft-switched high gain three-port DCDC converter with coupled inductors. <i>IET Power Electronics</i> , 2020 , 13, 4562-4571	2.2	1
132	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
131	A New Single-Phase Transformerless Grid-Connected Inverter With Boosting Ability and Common Ground Feature. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 9313-9325	8.9	31
130	New Concept for Fault Current Limiter With Voltage Restoration Capability. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 10001-10010	8.9	13
129	Common-ground non-isolated high-gain DC/DC converter for low power distributed generation photovoltaic systems. <i>IET Power Electronics</i> , 2020 , 13, 2589-2597	2.2	3
128	New Expandable Switched-Capacitor/Switched-Inductor High-Voltage Conversion Ratio Bidirectional DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 2480-2487	7.2	22
127	A New Coupled Inductor Nonisolated High Step-Up Quasi Z-Source DCDC Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5389-5397	8.9	30
126	A New Transformer-Less Five-Level Grid-Tied Inverter for Photovoltaic Applications. <i>IEEE Transactions on Energy Conversion</i> , 2020 , 35, 106-118	5.4	35
125	Markov Chain Modeling for Reliability Analysis of Multi-Phase Buck Converters. <i>Journal of Circuits, Systems and Computers</i> , 2020 , 29, 2050139	0.9	0
124	Ultra-high step-up two-input DCDC converter with lower switching losses. <i>IET Power Electronics</i> , 2019 , 12, 2201-2213	2.2	25
123	Analysis and implementation of a novel three input DC-DC boost converter for sustainable energy applications. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2801	2.2	10
122	Two new transformerless high step-down DCDC converters. <i>IET Power Electronics</i> , 2019 , 12, 1205-1219	2.2	6
121	Bidirectional active charge equaliser for series-connected cells. <i>IET Power Electronics</i> , 2019 , 12, 1229-1240	2.2	9

120	A Zeta-based switched-capacitor DC-DC converter topology. <i>International Journal of Circuit Theory and Applications</i> , 2019 , 47, 1302	2	7
119	A New Non-Isolated Buck-Boost Converter with High Voltage Gain and Positive Output Voltage for Renewable Energy Applications 2019 ,		4
118	Probabilistic dispatch in hybrid-microgrid system with considering energy arbitrage. <i>Journal of Renewable and Sustainable Energy</i> , 2019 , 11, 025904	2.5	3
117	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
116	Reliability evaluation of a fault-tolerant three-phase interleaved DC-DC boost converter. <i>Transactions of the Institute of Measurement and Control</i> , 2019 , 41, 1278-1289	1.8	10
115	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
114	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 4308-4318	8.9	23
113	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 1894-1905	8.9	53
112	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	11
111	A multi-input-single-output high step-up DC-DC converter with low-voltage stress across semiconductors. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e12123	2.2	11
110	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
109	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
108	A New High Step-Up Multi-Input Multi-Output DCDC Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 5197-5208	8.9	61
107	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
106	Single-Inductor Dual-Output DCDC 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
105	Application of finite-time control Lyapunov function in low-power PMSG wind energy conversion systems for sensorless MPPT. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 106, 169-182	5.1	15
104	Design, analysis, and implementation of a multiport DCDC converter for renewable energy applications. <i>IET Power Electronics</i> , 2019 , 12, 465-475	2.2	9
103	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

102	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
101	A Developed Two-Leg Ladder Multilevel Converter Structure. <i>Journal of Circuits, Systems and Computers</i> , 2018 , 27, 1850183	0.9	6
100	High Step-Up Quasi-Z Source DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 10563-10571	8.9	75
99	A new non-isolated free ripple input current bidirectional DC-DC converter with capability of zero voltage switching. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 519-542	2	24
98	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
97	A multi-port high step-Up DC-DC converter with reduced normalized voltage stress on switches/diodes 2018 ,		5
96	A Novel Structure for Bridge-Type Fault Current Limiter: Capacitor-Based Nonsuperconducting FCL. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 3044-3051	7.2	24
95	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
94	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
93	A Novel High Step-Up DCDC Converter With Continuous Input Current Integrating Coupled Inductor for Renewable Energy Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 1306-1315	8.9	117
92	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
91	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
90	Study on the derivation of the continuous input current high-voltage gain DC/DC converters. <i>IET Power Electronics</i> , 2018 , 11, 1652-1660	2.2	19
89	A Class of Quasi-Cuk DC/DC Converters: Steady-State Analysis and Design. <i>Electric Power Components and Systems</i> , 2018 , 46, 581-599	1	2
88	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
87	Design of a new combined cascaded multilevel inverter based on developed H-bridge with reduced number of IGBTs and DC voltage sources 2018 ,		7
86	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
85	A Non-Isolated Double-Input High Voltage Gain DC-DC Converter with Reduced Normalized Voltage Stress 2018 ,		1

84	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
83	A Bridge-Type Fault Current Limiter for Energy Management of AC/DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 9043-9050	7.2	22
82	A Novel Interleaved Nonisolated Ultrahigh-Step-Up DCDC Converter With ZVS Performance. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 3650-3661	8.9	61
81	High Step-Up DCDC Converter With Minimum Output Voltage Ripple. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 3568-3575	8.9	58
80	Optimization Assessment of a New Extended Multilevel Converter Topology. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4530-4538	8.9	52
79	An improved Non-Isolated Multiple-Input buck dc-dc converter 2017 ,		10
78	A Sepic based high step-up DC-DC converter integrating coupled inductor for renewable energy applications 2017 ,		5
77	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
76	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
75	. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5403-5415	8.9	96
74	New improved three-phase hybrid multilevel inverter with reduced number of components. <i>IET Power Electronics</i> , 2017 , 10, 1403-1412	2.2	19
73	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
72	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
71	New structure of nonsuperconducting fault current limiter for wide ranges of currents based on PWM switching strategy 2017 ,		1
70	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
69	Multilevel Nonsuperconducting Fault Current Limiter: Analysis and Practical Feasibility. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 6059-6068	7.2	19
68	Three-phase soft-switching-based interleaved boost converter with high reliability. <i>IET Power Electronics</i> , 2017 , 10, 377-386	2.2	24
67	Failure analysis and reliability evaluation of modulation techniques for neutral point clamped invertersA usage model approach. <i>Engineering Failure Analysis</i> , 2017 , 71, 90-104	3.2	17

66	Chattering free full-order terminal sliding-mode control for maximum power point tracking of photovoltaic cells. <i>IET Renewable Power Generation</i> , 2017 , 11, 85-91	2.9	14
65	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
64	Full soft-switching high step-up DCDC converter based on active resonant cell. <i>IET Power Electronics</i> , 2017 , 10, 1729-1739	2.2	21
63	Design and analysis of a novel SEPIC-based multi-input DC/DC converter. <i>IET Power Electronics</i> , 2017 , 10, 1393-1402	2.2	43
62	Analysis and design of a soft-switching boost DC/DC converter. <i>IET Power Electronics</i> , 2017 , 10, 1353-1362	2.2	7
61	Modified PWM control method for neutral point clamped multilevel inverters 2017 ,		7
60	Cascaded Multilevel Inverters Using Proposed Series Sub-multilevel Basic Blocks with Reduced Switching Devices. <i>Electric Power Components and Systems</i> , 2017 , 45, 1691-1704	1	1
59	A conventional dynamic voltage restorer with fault current limiting capability. <i>Procedia Computer Science</i> , 2017 , 120, 750-757	1.6	4
58	Bidirectional Quasi-Cuk DC/DC Converter with Reduced Voltage Stress on Capacitor and Capability of Changing the Output Polarity. <i>Journal of Electrical Engineering and Technology</i> , 2017 , 12, 1108-1113	1.4	2
57	Hybrid PV/wind system with quinary asymmetric inverter without increasing DC-link number. <i>Ain Shams Engineering Journal</i> , 2016 , 7, 579-592	4.4	10
56	Extended SVM algorithms for multilevel trans-Z-source inverter. <i>Ain Shams Engineering Journal</i> , 2016 , 7, 265-274	4.4	3
55	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 7157-7164	8.9	110
54	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
53	A New Cascaded Switched-Capacitor Multilevel Inverter Based on Improved Series-Parallel Conversion With Less Number of Components. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 3582-3594	8.9	125
52	A new DCDC converter based on voltage-lift technique. <i>International Transactions on Electrical Energy Systems</i> , 2016 , 26, 1260-1286	2.2	28
51	S4 grid-connected single-phase transformerless inverter for PV application 2016 ,		8
50	Extended high step-up structure for multilevel converter. <i>IET Power Electronics</i> , 2016 , 9, 1894-1902	2.2	29
49	Designing a new robust sliding mode controller for maximum power point tracking of photovoltaic cells. <i>Solar Energy</i> , 2016 , 132, 538-546	6.8	43

48	Power quality improvement using a power electronic transformer based DVR 2015 ,		1
47	A modified grid-connected current source inverter for photovoltaic application 2015 ,		10
46	Transformer-based inverter with reduced number of switches for renewable energy applications. <i>IET Power Electronics</i> , 2015 , 8, 1875-1884	2.2	30
45	Reliability Evaluation of Conventional and Interleaved DCDC Boost Converters. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 5821-5828	7.2	101
44	Lateral stabilization of a four wheel independent drive electric vehicle on slippery roads. <i>Mechatronics</i> , 2015 , 30, 275-285	3	45
43	Reduction of Power Electronic Elements in Multilevel Converters Using a New Cascade Structure. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 256-269	8.9	140
42	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
41	A Simple Technique for Optimal Selection of Degree of Hybridization (DOH) in Parallel Passenger Hybrid Cars. <i>Automatika</i> , 2015 , 56, 33-41	1.6	3
40	Extended configuration of dual active bridge DCDC converter with reduced number of switches. <i>IET Power Electronics</i> , 2015 , 8, 401-416	2.2	21
39	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
38	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
37	Dynamic voltage restorer based on multilevel inverter with adjustable dc-link voltage. <i>IET Power Electronics</i> , 2014 , 7, 576-590	2.2	57
36	New hybrid structure for multilevel inverter with fewer number of components for high-voltage levels. <i>IET Power Electronics</i> , 2014 , 7, 96-104	2.2	94
35	Switched-diode structure for multilevel converter with reduced number of power electronic devices. <i>IET Power Electronics</i> , 2014 , 7, 648-656	2.2	22
34	Novel Topologies for Symmetric, Asymmetric, and Cascade Switched-Diode Multilevel Converter With Minimum Number of Power Electronic Components. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 5300-5310	8.9	102
33	Analysis and implementation of a modular isolated zero-voltage switching bidirectional dc/dc converter. <i>IET Power Electronics</i> , 2014 , 7, 2035-2049	2.2	17
32	A modified integral sliding mode control to lateral stabilisation of 4-wheel independent drive electric vehicles. <i>Vehicle System Dynamics</i> , 2014 , 52, 1584-1606	2.8	27
31	Improved sensorless direct torque control method using adaptive flux observer. <i>IET Power Electronics</i> , 2014 , 7, 1675-1684	2.2	24

30	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
29	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
28	Novel multilevel inverter topologies for medium and high-voltage applications with lower values of blocked voltage by switches. <i>IET Power Electronics</i> , 2014 , 7, 3062-3071	2.2	39
27	Flying-capacitor stacked multicell multilevel voltage source inverters: analysis and modelling. <i>IET Power Electronics</i> , 2014 , 7, 2969-2987	2.2	23
26	Tracking of X-Y direction positions with using permanent magnet linear synchronous motors 2014 ,		2
25	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
24	A new topology for multilevel inverter considering its optimal structures. <i>Electric Power Systems Research</i> , 2013 , 103, 145-156	3.5	17
23	Cascaded cross-switched multilevel inverter in symmetric and asymmetric conditions. <i>IET Power Electronics</i> , 2013 , 6, 1041-1050	2.2	62
22	Cascaded multilevel inverter using sub-multilevel cells. <i>Electric Power Systems Research</i> , 2013 , 96, 101-110	3.5	45
21	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
20	High Performance FPGA Based Digital Space Vector PWM Three Phase Voltage Source Inverter. <i>International Journal of Modern Education and Computer Science</i> , 2013 , 5, 62-71	1.7	8
19	Three-Phase HFL-DVR With Independently Controlled Phases. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 1706-1718	7.2	49
18	A new single-phase cascade multilevel inverter topology using four-level cells 2012 ,		9
17	Modeling and Control of a New Three-Input DCDC Boost Converter for Hybrid PV/FC/Battery Power System. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 2309-2324	7.2	201
16	Back-to-back stacked multicell converter 2012 ,		5
15	Modeling and stability analysis of buck-boost dc-dc converter based on Z-transform 2012 ,		4
14	A New Soft Starting Method for Wound-Rotor Induction Motor. <i>Journal of Electrical Engineering</i> , 2011 , 62, 31-36	0.6	2
13	Flexible Power Electronic Transformer. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 2159-2169	7.2	49

12	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
11	Double Flying Capacitor Multicell Converter Based on Modified Phase-Shifted Pulsewidth Modulation. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 1517-1526	7.2	138
10	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
9	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
8	Unified power flow controller based on two shunt converters and a series capacitor. <i>Electric Power Systems Research</i> , 2010 , 80, 1511-1519	3.5	12
7	A Three-Phase Dimmable Lighting System Using a Bidirectional Power Electronic Transformer. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 830-837	7.2	21
6	Power quality enhancement using a new hybrid active power filter under non-ideal source and load conditions 2009 ,		1
5	An improved topology of electronic ballast with wide dimming range, PFC and low switching losses using PWM-controlled soft-switching inverter. <i>Electric Power Systems Research</i> , 2008 , 78, 975-984	3.5	6
4	Online Dynamic Parameter Estimation of Transformer Equivalent Circuit 2006 ,		3
3	A New Switching Strategy for 3-Phase to 2-Phase Matrix Converters 2006 ,		2
2	A new bi-directional ZVS inverter by estimated phase shifting for non-linear loads		1
1	A High Step Up Multi-Input DC/DC SEPIC-Based Converter with Coupled Inductor for Renewable Applications. <i>Electric Power Components and Systems</i> , 1-15	1	0