

# Ebrahim Babaei

## List of Publications by Citations

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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	A Cascade Multilevel Converter Topology With Reduced Number of Switches. <i>IEEE Transactions on Power Electronics</i> , <b>2008</b> , 23, 2657-2664	7.2	365
312	New cascaded multilevel inverter topology with minimum number of switches. <i>Energy Conversion and Management</i> , <b>2009</b> , 50, 2761-2767	10.6	289
311	A New Multilevel Converter Topology With Reduced Number of Power Electronic Components. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 655-667	8.9	280
310	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> , <b>2015</b> , 62, 922-929	8.9	274
309	A Generalized Cascaded Multilevel Inverter Using Series Connection of Submultilevel Inverters. <i>IEEE Transactions on Power Electronics</i> , <b>2013</b> , 28, 625-636	7.2	240
308	Hybrid Multilevel Inverter Using Switched Capacitor Units. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 4614-4621	8.9	234
307	Reduction of dc voltage sources and switches in asymmetrical multilevel converters using a novel topology. <i>Electric Power Systems Research</i> , <b>2007</b> , 77, 1073-1085	3.5	210
306	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> , <b>2014</b> , 61, 3932-3939	8.9	194
305	Cascaded Multilevel Inverter With Series Connection of Novel H-Bridge Basic Units. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 6664-6671	8.9	162
304	A New Topology of Cascaded Multilevel Converters With Reduced Number of Components for High-Voltage Applications. <i>IEEE Transactions on Power Electronics</i> , <b>2011</b> , 26, 3109-3118	7.2	147
303	Exchange market algorithm. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 19, 177-187	7.5	133
302	Cross-switched multilevel inverter: an innovative topology. <i>IET Power Electronics</i> , <b>2013</b> , 6, 642-651	2.2	126
301	Extended multilevel converters: an attempt to reduce the number of independent DC voltage sources in cascaded multilevel converters. <i>IET Power Electronics</i> , <b>2014</b> , 7, 157-166	2.2	121
300	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 2072-2080	8.9	121
299	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 7157-7164	8.9	110
298	Interleaved high step-up DCDC converter based on three-winding high-frequency coupled inductor and voltage multiplier cell. <i>IET Power Electronics</i> , <b>2015</b> , 8, 175-189	2.2	100
297	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 5403-5415	8.9	96

296	Symmetric and asymmetric multilevel inverter topologies with reduced switching devices. <i>Electric Power Systems Research</i> , <b>2012</b> , 86, 122-130	3.5	95
295	Structure for multi-input multi-output dc/dc boost converter. <i>IET Power Electronics</i> , <b>2016</b> , 9, 9-19	2.2	94
294	Symmetric multilevel inverter with reduced components based on non-insulated dc voltage sources. <i>IET Power Electronics</i> , <b>2012</b> , 5, 571	2.2	89
293	Mitigation of Voltage Disturbances Using Dynamic Voltage Restorer Based on Direct Converters. <i>IEEE Transactions on Power Delivery</i> , <b>2010</b> , 25, 2676-2683	4.3	76
292	High Step-Up Quasi-Z Source DC/DC Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 10563-10571	5.1	75
291	New High Step-Up Multilevel Converter Topology With Self-Voltage Balancing Ability and Its Optimization Analysis. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 7060-7070	8.9	74
290	Economic load dispatch using EPSO. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 49, 160-169	5.1	71
289	Optimal Topologies for Cascaded Sub-Multilevel Converters. <i>Journal of Power Electronics</i> , <b>2010</b> , 10, 251-261	2.6	69
288	Extendable Nonisolated High Gain DC/DC Converter Based on Active/Passive Inductor Cells. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 9478-9487	8.9	68
287	Exchange market algorithm for economic load dispatch. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2016</b> , 75, 19-27	5.1	67
286	A comprehensive review of dynamic voltage restorers. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2017</b> , 92, 136-155	5.1	64
285	Operational Modes and Output-Voltage-Ripple Analysis and Design Considerations of Buck/Boost DC/DC Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 381-391	8.9	64
284	CVaR-constrained scheduling strategy for smart multi carrier energy hub considering demand response and compressed air energy storage. <i>Energy</i> , <b>2019</b> , 174, 1238-1250	7.9	62
283	Cascaded cross-switched multilevel inverter in symmetric and asymmetric conditions. <i>IET Power Electronics</i> , <b>2013</b> , 6, 1041-1050	2.2	62
282	Developed embedded switched-Z-source inverter. <i>IET Power Electronics</i> , <b>2016</b> , 9, 1828-1841	2.2	62
281	Optimum Structures of Proposed New Cascaded Multilevel Inverter With Reduced Number of Components. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 6887-6895	8.9	60
280	High Step-Up DC/DC Converter With Minimum Output Voltage Ripple. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 3568-3575	8.9	58
279	Voltage-Lift Technique Based Nonisolated Boost DC/DC Converter: Analysis and Design. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 5917-5926	7.2	57

278	Dynamic voltage restorer based on multilevel inverter with adjustable dc-link voltage. <i>IET Power Electronics</i> , <b>2014</b> , 7, 576-590	2.2	57
277	Modified Single-Phase Single-Stage Grid-Tied Flying Inductor Inverter With MPPT and Suppressed Leakage Current. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 221-231	8.9	56
276	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 1894-1905	8.9	53
275	Generalised transformerless ultra step-up DC/DC converter with reduced voltage stress on semiconductors. <i>IET Power Electronics</i> , <b>2014</b> , 7, 2791-2805	2.2	53
274	Optimization Assessment of a New Extended Multilevel Converter Topology. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 4530-4538	8.9	52
273	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> , <b>2017</b> , 64, 5342-5350	8.9	51
272	Steady-State and Small-Signal Analysis of High-Voltage Gain Half-Bridge Switched Boost Inverter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 3546-3553	8.9	50
271	Asymmetrical multilevel converter topology with reduced number of components. <i>IET Power Electronics</i> , <b>2013</b> , 6, 1188-1196	2.2	48
270	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> , <b>2012</b> , 83, 80-90	3.5	46
269	Cascaded multilevel inverter using sub-multilevel cells. <i>Electric Power Systems Research</i> , <b>2013</b> , 96, 101-110	3.5	45
268	Calculation of Output Voltage Ripple and Design Considerations of SEPIC Converter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 1213-1222	8.9	45
267	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> , <b>2019</b> , 7, 2498-2512	5.6	42
266	Six-phase interleaved boost dc/dc converter with high-voltage gain and reduced voltage stress. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1904-1914	2.2	41
265	High step-up high step-down bidirectional DC/DC converter. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1556-1571	2.2	41
264	Design and Analysis of a Developed Multiport High Step-Up DC/DC Converter With Reduced Device Count and Normalized Peak Inverse Voltage on the Switches/Diodes. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 5464-5475	7.2	40
263	Asymmetric cascaded multilevel inverter with charge balance control of a low resolution symmetric subsystem. <i>Energy Conversion and Management</i> , <b>2010</b> , 51, 2272-2278	10.6	40
262	Compensation of voltage disturbances in distribution systems using single-phase dynamic voltage restorer. <i>Electric Power Systems Research</i> , <b>2010</b> , 80, 1413-1420	3.5	39
261	Extended Topology for a Boost DC/DC Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 2375-2384	7.2	37

260	A non-isolated three-phase high step-up DCDC converter suitable for renewable energy systems. <i>Electric Power Systems Research</i> , <b>2016</b> , 140, 209-224	3.5	37
259	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> , <b>2011</b> , 5, 814	2.5	36
258	A GSO-based algorithm for combined heat and power dispatch problem with modified scrounger and ranger operators. <i>Applied Thermal Engineering</i> , <b>2017</b> , 120, 36-48	5.8	35
257	Analysis of voltage and current stresses of a generalised step-up DCDC converter. <i>IET Power Electronics</i> , <b>2014</b> , 7, 1347-1361	2.2	35
256	High-Voltage Gain Half-Bridge Z-Source Inverter With Low-Voltage Stress on Capacitors. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 191-197	8.9	34
255	Non-Isolated Topology for High Step-Up DC-DC Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2018</b> , 1-1	5.6	33
254	Performance and design analysis of an improved non-isolated multiple input buck DCDC converter. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1034-1045	2.2	33
253	Modular non-isolated multi-input high step-up dc/dc converter with reduced normalised voltage stress and component count. <i>IET Power Electronics</i> , <b>2018</b> , 11, 1092-1100	2.2	32
252	Interleaved full ZVZCS DCDC boost converter: analysis, design, reliability evaluations and experimental results. <i>IET Power Electronics</i> , <b>2017</b> , 10, 835-845	2.2	31
251	Mathematical modeling of buck-boost dc/dc converter and investigation of converter elements on transient and steady state responses. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 44, 949-963	5.1	31
250	An Ultra-High Step-Up DCDC Converter With Extendable Voltage Gain and Soft-Switching Capability. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 9238-9250	8.9	31
249	A new topology for Z-source half-bridge inverter with low voltage stress on capacitors. <i>Electric Power Systems Research</i> , <b>2016</b> , 140, 722-734	3.5	31
248	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> , <b>2018</b> , 46, 505-518	2	31
247	Analysis and design of voltage-lift technique-based non-isolated boost dc/dc converter. <i>IET Power Electronics</i> , <b>2018</b> , 11, 1083-1091	2.2	31
246	Transformer-based inverter with reduced number of switches for renewable energy applications. <i>IET Power Electronics</i> , <b>2015</b> , 8, 1875-1884	2.2	30
245	High voltage gain dc/dc converters based on coupled inductors. <i>IET Power Electronics</i> , <b>2018</b> , 11, 434-452	2.2	30
244	Extended high step-up structure for multilevel converter. <i>IET Power Electronics</i> , <b>2016</b> , 9, 1894-1902	2.2	29
243	High voltage gain half-bridge quasi-switched boost inverter with reduced voltage stress on capacitors. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1095-1108	2.2	28

242	A Full Soft-Switching ZVZCS Flyback Converter Using an Active Auxiliary Cell. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 1123-1129	8.9	28
241	Particle swarm optimization with smart inertia factor for solving non-convex economic load dispatch problems. <i>International Transactions on Electrical Energy Systems</i> , <b>2014</b> , 24, 1120-1133	2.2	28
240	A new DCDC converter based on voltage-lift technique. <i>International Transactions on Electrical Energy Systems</i> , <b>2016</b> , 26, 1260-1286	2.2	28
239	New Half-Bridge and Full-Bridge Topologies for a Switched-Boost Inverter With Continuous Input Current. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 3188-3197	8.9	27
238	A generalized ultra step-up DCDC converter for high voltage application with design considerations. <i>Electric Power Systems Research</i> , <b>2013</b> , 105, 71-84	3.5	27
237	A Hybrid Optimization Technique Using Exchange Market and Genetic Algorithms. <i>IEEE Access</i> , <b>2020</b> , 8, 2417-2427	3.5	27
236	A new topology for nonisolated multiport zero voltage switching dc-dc converter. <i>International Journal of Circuit Theory and Applications</i> , <b>2018</b> , 46, 1204-1227	2	26
235	Switched Z-source networks: a review. <i>IET Power Electronics</i> , <b>2019</b> , 12, 1616-1633	2.2	25
234	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> , <b>2010</b> , 32, 225-235	5.1	25
233	New family of non-isolated step-up/down and step-up switched-capacitor-based DCDC converters. <i>IET Power Electronics</i> , <b>2019</b> , 12, 1706-1720	2.2	24
232	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 4308-4318	8.9	23
231	Flying-capacitor stacked multicell multilevel voltage source inverters: analysis and modelling. <i>IET Power Electronics</i> , <b>2014</b> , 7, 2969-2987	2.2	23
230	Optimal design of new cascade multilevel converter topology based on series connection of extended sub-multilevel units. <i>IET Power Electronics</i> , <b>2016</b> , 9, 1341-1349	2.2	22
229	A new topology for dynamic voltage restorers without dc link <b>2009</b> ,		22
228	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> , <b>2011</b> , 11, 793-800	0.9	22
227	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> , <b>2017</b> , 45, 1773-1800	2	21
226	Full soft-switching high step-up DCDC converter based on active resonant cell. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1729-1739	2.2	21
225	Ultra-step-up dc/dc converter with low-voltage stress on devices. <i>IET Power Electronics</i> , <b>2019</b> , 12, 345-357	2.2	20

224	Multiport DCDC Converter With Step-Up Capability and Reduced Voltage Stress on Switches/Diodes. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 11902-11915	7.2	20
223	Operation and control of dynamic voltage restorer using single-phase direct converter. <i>Energy Conversion and Management</i> , <b>2011</b> , 52, 2965-2972	10.6	20
222	A DCDC Transformerless High Voltage Gain Converter With Low Voltage Stresses on Switches and Diodes. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 10600-10609	7.2	20
221	A New Interleaved Bidirectional Zero Voltage Switching DC/DC Converter with High Conversion Ratio. <i>Journal of Circuits, Systems and Computers</i> , <b>2017</b> , 26, 1750105	0.9	18
220	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> , <b>2019</b> , 7, 541-554	5.6	18
219	Cross-phase voltage sag compensator for three-phase distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 51, 119-126	5.1	18
218	Charge Balance Control Methods for a Class of Fundamental Frequency Modulated Asymmetric Cascaded Multilevel Inverters. <i>Journal of Power Electronics</i> , <b>2011</b> , 11, 811-818	0.9	18
217	An efficient convexified SDP model for multi-objective optimal power flow. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2018</b> , 102, 254-264	5.1	17
216	A new topology for multilevel inverter considering its optimal structures. <i>Electric Power Systems Research</i> , <b>2013</b> , 103, 145-156	3.5	17
215	A new topology for bidirectional multi-input multi-output buck direct current direct current converter. <i>International Transactions on Electrical Energy Systems</i> , <b>2017</b> , 27, e2254	2.2	17
214	High step-up DC-DC converter with reduced voltage stress on devices. <i>International Transactions on Electrical Energy Systems</i> , <b>2019</b> , 29, e2789	2.2	17
213	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> , <b>2019</b> , 34, 7693-7702	7.2	17
212	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> , <b>2018</b> , 46, 1879-1898	3.8	17
211	Switched Capacitor Inductor Network Based Ultra-Gain DCDC Converter Using Single Switch. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 10274-10283	8.9	16
210	Calculation of critical inductance in n-input buck dc dc converter. <i>IET Power Electronics</i> , <b>2016</b> , 9, 2434-2442	4.2	16
209	Transformer-based multilevel inverters: analysis, design and implementation. <i>IET Power Electronics</i> , <b>2019</b> , 12, 1-10	2.2	16
208	Three-Port High Step-Up and High Step-Down DC-DC Converter With Zero Input Current Ripple. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 1804-1813	7.2	16
207	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 5092-5095	8.9	15

206	Analysis and investigation of energy transmission process in different operating modes of Sepic converter. <i>IET Power Electronics</i> , <b>2014</b> , 7, 819-828	2.2	15
205	Systematical method of designing the elements of the Cuk converter. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 55, 351-361	5.1	15
204	A Novel Fast Semidefinite Programming-Based Approach for Optimal Reactive Power Dispatch. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 288-298	11.9	15
203	Generalized nonisolated high step-up DC-DC converter with reduced voltage stress on devices. <i>International Journal of Circuit Theory and Applications</i> , <b>2018</b> , 46, 2053-2078	2	15
202	Steady-state analysis of high-voltage gain multiple series Z-source inverter. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1518-1528	2.2	14
201	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> , <b>2015</b> , 43, 2116-2130	1	14
200	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> , <b>2018</b> , 46, 543-564	2	14
199	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 7145-7147	8.9	14
198	Analysis and Reliability Evaluation of a High Step-Up Soft Switching PushPull DCDC Converter. <i>IEEE Transactions on Reliability</i> , <b>2020</b> , 69, 1376-1386	4.6	14
197	A Reduced Single-Phase Switched-Diode Cascaded Multilevel Inverter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 3556-3569	5.6	14
196	Modified high voltage gain switched boost inverter. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1655-1664	2.2	13
195	New Concept for Fault Current Limiter With Voltage Restoration Capability. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 10001-10010	8.9	13
194	A new basic unit for cascaded multilevel inverters with reduced number of power electronic devices <b>2016</b> ,		12
193	A Multilevel Inverter with Reduced Power Switches. <i>Arabian Journal for Science and Engineering</i> , <b>2016</b> , 41, 3605-3617		12
192	Optimal DG placement and sizing in distribution systems using imperialistic competition algorithm <b>2012</b> ,		12
191	Isolated high step-up switched-boost DC/DC converter with modified control method. <i>IET Power Electronics</i> , <b>2019</b> , 12, 3635-3645	2.2	12
190	Bidirectional multi-port dc/dc converter with low voltage stress on switches and diodes. <i>IET Power Electronics</i> , <b>2020</b> , 13, 1593-1604	2.2	11
189	An Improved Symmetric H-Bridge Multilevel Converter Topology; An Attempt to Reduce Power Losses. <i>Journal of Circuits, Systems and Computers</i> , <b>2018</b> , 27, 1850187	0.9	11



188	A single switch high step-up DC-DC converter with three winding coupled inductor. <i>International Transactions on Electrical Energy Systems</i> , <b>2019</b> , 29, e2668	2.2	11
187	Series-parallel switched-capacitor based multilevel inverter <b>2011</b> ,		11
186	High step-up DCDC converter with reduced voltage and current stress of elements. <i>IET Power Electronics</i> , <b>2019</b> , 12, 2884-2894	2.2	11
185	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> , <b>2019</b> , 66, 6906-6915	8.9	11
184	Flexible transformer-based multilevel inverter topologies. <i>IET Power Electronics</i> , <b>2019</b> , 12, 578-587	2.2	11
183	An improved Non-Isolated Multiple-Input buck dc-dc converter <b>2017</b> ,		10
182	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> , <b>2020</b> , 48, 934-952	2	10
181	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> , <b>2018</b> , 28, e2494	2.2	10
180	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> , <b>2018</b> , 46, 1372-1391	2	10
179	A New Structure for Nonisolated Boost DCDC Converter. <i>Journal of Circuits, Systems and Computers</i> , <b>2017</b> , 26, 1750012	0.9	10
178	Improvement of the Performance of the Cascaded Multilevel Inverters Using Power Cells with Two Series Legs. <i>Journal of Power Electronics</i> , <b>2013</b> , 13, 223-231	0.9	10
177	New multilevel converter topology with minimum number of gate driver circuits <b>2008</b> ,		10
176	Design and analysis of a switched-capacitor DC-DC converter with variable conversion ratio. <i>International Journal of Circuit Theory and Applications</i> , <b>2020</b> , 48, 1638-1657	2	10
175	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> , <b>2016</b> , 29, 1055-1069	1	10
174	Super Twisting Sliding-Mode Control of DVR With Frequency-Adaptive Brockett Oscillator. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 10730-10739	8.9	10
173	Bidirectional active charge equaliser for series-connected cells. <i>IET Power Electronics</i> , <b>2019</b> , 12, 1229-1240	2	9
172	The exchange market algorithm with smart searching for solving economic dispatch problems. <i>International Journal of Management Science and Engineering Management</i> , <b>2018</b> , 13, 175-187	2.8	9
171	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> , <b>2019</b> , 28, 1950038	0.9	9

170	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> , <b>2015</b> , 23, 85-102	0.9	9
169	A new single-phase cascade multilevel inverter topology using four-level cells <b>2012</b> ,		9
168	A new shunt active power filter based on indirect matrix converter <b>2012</b> ,		9
167	New cascaded multilevel inverter topology with reduced variety of magnitudes of dc voltage sources <b>2012</b> ,		9
166	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> , <b>2011</b> , 5, 860	2.5	9
165	Charge balance control methods for asymmetrical cascade multilevel converters <b>2007</b> ,		9
164	A New Basic Unit for Cascaded Multilevel Inverters with the Capability of Reducing the Number of Switches. <i>Journal of Power Electronics</i> , <b>2014</b> , 14, 671-677	0.9	9
163	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> , <b>2018</b> , 11, 2241-2252	2.2	9
162	New Interleaved Structure with High Voltage-Gain and Low Voltage-Stress on Semiconductors <b>2019</b> ,		8
161	Expandable interleaved high voltage gain boost DC-DC converter with low switching stress. <i>International Journal of Circuit Theory and Applications</i> , <b>2019</b> , 47, 782-804	2	8
160	Regenerative switched-inductor/capacitor type DCDC converter with large voltage gain for PV applications. <i>IET Power Electronics</i> , <b>2020</b> , 13, 68-77	2.2	8
159	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> , <b>2018</b> , 65, 261-269	8.9	8
158	Exchange market algorithm for multi-objective economic emission dispatch and reliability. <i>Procedia Computer Science</i> , <b>2017</b> , 120, 633-640	1.6	8
157	Scheduling and siting of storages considering power peak shaving and loss reduction by exchange market algorithm <b>2017</b> ,		8
156	Maximum constant boost control method for switched-inductor Z-source inverter by using battery <b>2013</b> ,		8
155	A new basic unit for symmetric and asymmetric cascaded multilevel inverter with reduced number of components <b>2016</b> ,		8
154	Study and analysis of a DCDC soft-switched buck converter. <i>IET Power Electronics</i> , <b>2020</b> , 13, 1456-1465	2.2	7
153	Design of a new combined cascaded multilevel inverter based on developed H-bridge with reduced number of IGBTs and DC voltage sources <b>2018</b> ,		7

152	Assessment of Step-Up DcDc Converter with High Voltage Ratio in Different Operational Modes. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 2033-2043		7
151	Analysis and design of a soft-switching boost DC/DC converter. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1353-1362		7
150	Modified PWM control method for neutral point clamped multilevel inverters <b>2017</b> ,		7
149	PWM-based control strategy for forced commutated cycloconverters <b>2009</b> ,		7
148	A new sub-multilevel inverter with reduced number of components <b>2016</b> ,		7
147	Two new transformerless high step-down DCDC converters. <i>IET Power Electronics</i> , <b>2019</b> , 12, 1205-1219	2.2	6
146	A new switched-capacitor/switched-inductorBased converter with high voltage gain and low voltage stress on switches. <i>International Journal of Circuit Theory and Applications</i> , <b>2019</b> , 47, 591-611	2	6
145	Interleaved high step-up zero-voltage zero-current switching boost DCDC converter. <i>IET Power Electronics</i> , <b>2020</b> , 13, 96-103	2.2	6
144	A Developed Two-Leg Ladder Multilevel Converter Structure. <i>Journal of Circuits, Systems and Computers</i> , <b>2018</b> , 27, 1850183	0.9	6
143	An overview of different topologies of multi-port dc/dc converters for dc renewable energy source applications <b>2016</b> ,		6
142	A new topology of embedded Z-source inverter with low voltage stress on capacitors <b>2016</b> ,		6
141	A new topology for cascaded multilevel inverters with reduced number of power electronic switches <b>2016</b> ,		6
140	Improvement of Multilevel Inverters Topology Using Series and Parallel Connections of DC Voltage Sources. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 1117-1127		6
139	Double input Z-source DC-DC converter <b>2011</b> ,		6
138	Multi-input high step-up inverter with soft-switching capability, applicable in photovoltaic systems. <i>IET Power Electronics</i> , <b>2020</b> , 13, 133-143	2.2	6
137	A Switched-DC Source Sub-Module Multilevel Inverter Topology for Renewable Energy Source Applications. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	6
136	A New Structure of Quasi Z-Source-Based Cascaded Multilevel Inverter. <i>Journal of Circuits, Systems and Computers</i> , <b>2017</b> , 26, 1750203	0.9	5
135	An Improved Three-Input DC-DC Boost Converter for Hybrid PV/FC/Battery and Bidirectional Load as Backup System for Smart Home <b>2019</b> ,		5

134	Ladder-Switch Based Multilevel Inverter with Reduced Devices Count <b>2020</b> ,		5
133	A multi-port high step-Up DC-DC converter with reduced normalized voltage stress on switches/diodes <b>2018</b> ,		5
132	Modeling and synchronized control of dual parallel brushless direct current motors with single inverter. <i>Computers and Electrical Engineering</i> , <b>2018</b> , 70, 229-242	4.3	5
131	Transformerless Inverter with Charge Pump Circuit Concept for PV Application. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2017</b> , 1-1	5.6	5
130	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> , <b>2017</b> , 45, 1705-1719	1	5
129	Cascaded multilevel inverter based on new sub-module inverter with reduced number of switching devices <b>2017</b> ,		5
128	Comparison four topologies for three-phase dynamic voltage restorer <b>2015</b> ,		5
127	A new cascaded multilevel inverter with reduced number of switches <b>2012</b> ,		5
126	Back-to-back stacked multicell converter <b>2012</b> ,		5
125	Improvement the performance of switched-inductor Z-source inverter <b>2013</b> ,		5
124	A QPSO based parameters tuning of the conventional power system stabilizer <b>2010</b> ,		5
123	Control of direct three-phase to single-phase converters under balanced and unbalanced operations. <i>Energy Conversion and Management</i> , <b>2011</b> , 52, 66-74	10.6	5
122	Investigating the effect of inductor coupling on intrinsic stability of Cuk converter <b>2016</b> ,		5
121	Single-phase common mode transformer-less soft-switching grid-connected inverter with eliminated leakage current. <i>International Journal of Circuit Theory and Applications</i> , <b>2019</b> , 47, 838-861	2	5
120	High step-up single-phase-switched Z-source inverter: steady-state analysis and cost evaluation. <i>IET Power Electronics</i> , <b>2019</b> , 12, 639-647	2.2	5
119	Multiobjective Optimal Power Flow Using a Semidefinite Programming-Based Model. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 158-169	4.3	5
118	A Modularized Bidirectional Charge Equalizer for Series-Connected Cell Strings. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 6739-6749	8.9	5
117	A new generalized cascade multilevel converter topology and its improved modulation technique. <i>International Journal of Circuit Theory and Applications</i> , <b>2021</b> , 49, 1103-1120	2	5

116	Reduced Switch Multilevel Inverter Topologies for Renewable Energy Sources. <i>IEEE Access</i> , <b>2021</b> , 9, 120589-120595	3.9	4
115	A New Non-Isolated Buck-Boost Converter with High Voltage Gain and Positive Output Voltage for Renewable Energy Applications <b>2019</b> ,		4
114	Investigation of Buck-boost DC/DC 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> , <b>2015</b> , 43, 1509-1522	1	4
113	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 7777-7779	8.9	4
112	Z-Source Converters: Topologies, Modulation Techniques, and Applications Part II. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 8274-8276	8.9	4
111	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> , <b>2019</b> , 12, 1686-1696 <sup>4</sup>	2.2	4
110	Modified Multilevel Inverters Using Series and Parallel Connection of DC Voltage Sources. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 3077-3094		4
109	A new PWM based control method for forced commutated cycloconverters. <i>Energy Conversion and Management</i> , <b>2012</b> , 53, 305-313	10.6	4
108	Analysis of Z-source based DC/DC converter in CCM, DCM and BCM operations <b>2017</b> ,		4
107	BEMA: Binary Exchange Market Algorithm. <i>Procedia Computer Science</i> , <b>2017</b> , 120, 656-663	1.6	4
106	A conventional dynamic voltage restorer with fault current limiting capability. <i>Procedia Computer Science</i> , <b>2017</b> , 120, 750-757	1.6	4
105	New cascaded multilevel converters based on switched-diode six-level configuration <b>2017</b> ,		4
104	A new topology for quasi-Z-source inverter <b>2015</b> ,		4
103	Z-H buck converter: Analysis and simulation <b>2015</b> ,		4
102	Modeling and stability analysis of buck-boost dc-dc converter based on Z-transform <b>2012</b> ,		4
101	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> , <b>2012</b> , 32, 337-363	0.7	4
100	A 15-Level Switched-Capacitor Multilevel Inverter Structure with Self-Balancing Capacitor. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 1-1	3.5	4
99	Modified Topology for Three-Phase Multilevel Inverters Based on a Developed H-Bridge Inverter. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1848	2.6	4

98	New Extendable 15-Level Basic Unit for Multilevel Inverters. <i>Journal of Circuits, Systems and Computers</i> , <b>2016</b> , 25, 1650151	0.9	4
97	A novel DC-DC boost converter using capacitor multiplier for renewable energy applications <b>2017</b> ,		3
96	A new structure for non-isolated boost dc-dc converter based on voltage-lift technique <b>2017</b> ,		3
95	Ultra High Step-up DC-DC Converter Based on Switched Inductor-Capacitor Cells <b>2019</b> ,		3
94	Modified Single-Phase Z-Source Converter Based on Gamma Structure <b>2020</b> ,		3
93	A Simple DC-DC Boost Converter With Soft-Switching Performance <b>2020</b> ,		3
92	An interleaved high step-up DC-DC converter with low input current ripple <b>2018</b> ,		3
91	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> , <b>2018</b> , 27, 1850069	0.9	3
90	Class of high step-up switched Z-source inverters: steady state analysis and objective function. <i>IET Power Electronics</i> , <b>2019</b> , 12, 1329-1340	2.2	3
89	Effect of different pulse-width modulation control methods on the behaviour of the series modified switched boost inverter. <i>IET Power Electronics</i> , <b>2019</b> , 12, 3041-3055	2.2	3
88	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> , <b>2014</b> , 39, 2979-2996		3
87	Analytical Solution for Steady and Transient States of Buck DCDC Converter in CCM. <i>Arabian Journal for Science and Engineering</i> , <b>2013</b> , 38, 3383-3397		3
86	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> , <b>2015</b> , 23, 317-334	0.9	3
85	Dynamic modeling of UPFC based on indirect matrix converter <b>2012</b> ,		3
84	Optimal power flow using iteration particle swarm optimization <b>2012</b> ,		3
83	Variable DC voltage as a solution to improve output voltage quality in multilevel converters <b>2013</b> ,		3
82	Generalized Direct Modulation Control Methods for Matrix Converters under Balanced and Unbalanced Operations. <i>Arabian Journal for Science and Engineering</i> , <b>2013</b> , 38, 2423-2438		3
81	A new scheme for multilevel inverter based dynamic voltage restorer <b>2011</b> ,		3

80	Development of switching peak current reduction method in switched-capacitor dc-dc converters to n-level converters <b>2011</b> ,		3
79	A new DSTATCOM topology based on Stacked Multicell converter <b>2011</b> ,		3
78	Application of flexible control methods for D-STATCOM in mitigating voltage sags and swells <b>2010</b> ,		3
77	A new modeling method for reliability evaluation of Thermal Power Plants <b>2010</b> ,		3
76	Development of modulation strategies for three-phase to two-phase matrix converters. <i>International Journal of Power Electronics</i> , <b>2010</b> , 2, 82	0.2	3
75	Analysis, Design, and Investigation of a Soft-Switched Buck Converter with High Efficiency. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	3
74	Design, analysis and implementation of a new three-port DC-DC converter with bidirectional capability. <i>IET Power Electronics</i> , <b>2021</b> , 14, 2490	2.2	3
73	New basic unit and cascaded multilevel inverters with reduced power electronic devices. <i>International Journal of Electronics</i> , <b>2020</b> , 107, 1177-1194	1.2	3
72	. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1629-1643	4.3	3
71	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> , <b>2016</b> , 23, 2254-2267	2.1	3
70	A Developed Structure for DCDC Quasi-Z-Source Converter with High Voltage Gain and High Reliability. <i>Journal of Circuits, Systems and Computers</i> , <b>2019</b> , 28, 1950012	0.9	3
69	Application of high voltage gain DC-DC converter in photovoltaic system with energy storage <b>2017</b> ,		2
68	New Non-Isolated High Voltage Gain Single-Switch DC-DC Converter Based on Voltage-Lift Technique* <b>2019</b> ,		2
67	Analysis, Design and Simulation of Single-Phase Isolated Improved Trans-ZS AC-AC Converter <b>2020</b> ,		2
66	Double-fed and double-switch active Z-source inverter with general variable high boost factor. <i>IET Power Electronics</i> , <b>2020</b> , 13, 680-692	2.2	2
65	Reliability challenge for impedance network-based DC-DC boost converters. <i>International Journal of Circuit Theory and Applications</i> , <b>2018</b> , 46, 581-598	2	2
64	Steady state analysis of dual switched boost inverter <b>2018</b> ,		2
63	A new cascaded multilevel inverter structure with less number of switches <b>2014</b> ,		2

62	Charge balance control of a seven-level asymmetric cascade multilevel inverter <b>2012</b> ,		2
61	Hysteresis control of a three-phase to two-phase matrix converter <b>2012</b> ,		2
60	A New Switching Strategy for 3-Phase to 2-Phase Matrix Converters <b>2006</b> ,		2
59	Analysis of the Transformerless Boost dc-dc Converter with High Voltage Gain in Different Operating Modes and Critical Inductance Calculations <b>2015</b> , 4,		2
58	A New Modeling Method and controller design for a DC-DC Zeta Converter <b>2015</b> , 3, 8		2
57	Expandable Non-Isolated Multi-Input Single-Output DC-DC Converter With High Voltage Gain and Zero-Ripple Input Currents. <i>IEEE Access</i> , <b>2021</b> , 9, 169193-169219	3.5	2
56	A High Gain DC-DC Topology Based on Two-Winding Coupled Inductors Featuring Continuous Input Current <b>2020</b> ,		2
55	A New AC/DC Converter for the Interconnections between Wind Farms and HVDC Transmission Lines. <i>Journal of Power Electronics</i> , <b>2014</b> , 14, 592-597	0.9	2
54	Two-input boost converter for street-lighting applications. <i>Computers and Electrical Engineering</i> , <b>2021</b> , 92, 107126	4.3	2
53	A New Topology for Cascaded Multilevel Inverter to Generate More Voltage Levels with a Reduced Count of Power Switches <b>2019</b> ,		2
52	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> , <b>2021</b> , 14, 680-689	2.2	2
51	Dual-mode magnetically integrated photovoltaic microconverter with adaptive mode change and global maximum power point tracking. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 86-98	2.9	2
50	Half-Bridge Trans-Z-Source Inverter With Continuous Input Current <b>2021</b> ,		2
49	A New Structure with New Algorithms for Cascaded Multilevel Inverters by Reducing Number of IGBTs <b>2019</b> ,		1
48	A New High Step-Up DC-DC Topology with Zero DC Magnetizing Inductance Current and Continuous Input Current <b>2020</b> ,		1
47	A new hybrid multilevel inverter based on coupled- inductor and cascaded H-bridge <b>2016</b> ,		1
46	An energy stored improved Y-source single-phase inverter for photovoltaic system applications <b>2018</b> ,		1
45	A New Basic Unit for Symmetric and Asymmetric Cascaded Multilevel Inverters with Reduced Power Electronic Devices <b>2019</b> ,		1



44	A New Pulse Width Modulation Technique for Inverters. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 6235-6247		1
43	New structure of nonsuperconducting fault current limiter for wide ranges of currents based on PWM switching strategy <b>2017</b> ,		1
42	Analysis and design of switched-boost inverter in CCM, DCM and BCM operations <b>2017</b> ,		1
41	Four-phase isolated DC-DC converter <b>2017</b> ,		1
40	Modeling and control of dual parallel BLDC motor drive system with single inverter <b>2017</b> ,		1
39	Quasi-Y source based buck-boost DC-DC converter <b>2017</b> ,		1
38	New continuous current quasi Z-source inverter based on capacitor basic unit <b>2017</b> ,		1
37	Analysis of operational modes of step-up dc-dc converter with high voltage gain and calculation of output voltage ripple <b>2012</b> ,		1
36	Flexible multilevel boost DC-AC converter <b>2012</b> ,		1
35	A new strategy to control three-phase shunt active filters under balanced and unbalanced conditions by controlling one phase current <b>2013</b> ,		1
34	Dynamic voltage restorer using push-pull inverter <b>2011</b> ,		1
33	Exchange Market Algorithm for Selective Harmonic Elimination in Cascaded Multilevel Inverters. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 594-601	0.4	1
32	Two High Stepped up Continuous Input Current Active Switched-Inductor Quasi-Z-Source Inverters <b>2020</b> ,		1
31	High Gain DC-DC Boost Converter Applied in Hybrid System of Photovoltaic and Battery <b>2021</b> ,		1
30	Single-source multilevel inverter based on flyback DC-DC converter. <i>IET Power Electronics</i> , <b>2021</b> , 14, 1237.2		1
29	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> , <b>2021</b> , 45, 959-977	1.9	1
28	Super Twisting Algorithm Based Sliding Mode Control Method for Single-Phase Dynamic Voltage Restorers <b>2019</b> ,		1
27	Analysis and Simulation of Quasi Z-Source with Low Voltage Stress on Capacitors and Diodes <b>2019</b> ,		1

26	Design and Implementation of A New Topology for Multilevel Inverter with Reduced Count of IGBTs and DC Voltage Sources Based on Developed HBridge <b>2019</b> ,		1
25	New Cascaded Multilevel Inverter Configuration with Reduced Number of Components <b>2019</b> ,		1
24	Imperialist Competitive Algorithm with Effective Assimilation Strategy: A Comparative Study on Numerical Benchmark Functions. <i>IETE Journal of Research</i> , <b>2020</b> , 66, 697-710	0.9	1
23	Active-switched boost quasi-Z-source inverter with few components. <i>Electrical Engineering</i> , <b>2021</b> , 103, 303-314	1.5	1
22	Analysis and Investigation of a Soft-Switched Synchronous Buck Converter <b>2021</b> ,		1
21	Interleaved BuckBoost N-Phase High-Efficiency Converter with Soft Switching and Low Output Voltage Ripple. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 9497-9513	2.5	1
20	A Non-Isolated Double-Input High Voltage Gain DC-DC Converter with Reduced Normalized Voltage Stress <b>2018</b> ,		1
19	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> , <b>2019</b> , 47, 1180-1195	1	0
18	Development of Pulse Width Modulation Technique for Controlling Inverters Under Balanced and Unbalanced Operations. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 2941-2951		0
17	An Asymmetric Modular Multicell Inverter with Low Number of DC Source and Voltage Stress. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	0
16	SiC-based high-gain DCDC converters with fault ride-through capability. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3744-3752	2.2	0
15	A topology of coupled inductor DCDC converter with large conversion ratio and reduced voltage stress on semiconductors. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3339-3350	2.2	0
14	An Embedded Half-Bridge $\Sigma$ -Source Inverter with Reduced Voltage Stress on Capacitors. <i>Energies</i> , <b>2021</b> , 14, 6433	3.1	0
13	Single input, dual output high step-up/down DCDC converter with ripple-free input current in the high current port and expandable number of output ports. <i>IET Power Electronics</i> , <b>2020</b> , 13, 4439-4452	2.2	0
12	New auxiliary circuit for boost converter to achieve soft-switching operation and zero input current ripple. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3910-3921	2.2	0
11	SIDO coupled inductor-based high voltage conversion ratio DCDC converter with three operations. <i>IET Power Electronics</i> , <b>2021</b> , 14, 1735-1752	2.2	0
10	A novel high step-up DCDC converter based on three-winding coupled inductor. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , <b>2019</b> , 29, 1-10	0.4	0
9	A simple soft-switched buck converter without implementing auxiliary switch. <i>Electrical Engineering</i> , <b>2021</b> , 103, 303-314	1.5	0

8	A New Continuous Input Current Nonisolated Bidirectional Interleaved Buck-Boost DC-DC Converter. <i>International Transactions on Electrical Energy Systems</i> , <b>2022</b> , 2022, 1-19	2.2	0
7	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> , <b>2020</b> , 13, 191-201	2.2	
6	Analyzing a four quadrant dc-dc Luo converter by means of signal flow graph modeling technique. <i>Ain Shams Engineering Journal</i> , <b>2018</b> , 9, 1335-1348	4.4	
5	New High Step-Up DC-DC Converter in PV System: Performance and Analysis. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 19-27	0.5	
4	Robust Designing of the PSS and SVC Using Genetic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 550-556	0.4	
3	Coupled-winding-based 11-level inverter: design and cost analysis. <i>IET Power Electronics</i> , <b>2018</b> , 11, 2053-2062		
2	Combined Heat and Power Economic Emission Dispatch Applying Exchange Market Algorithm with Fuzzy Satisfying Techniques. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 165-173	0.4	
1	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> , <b>2022</b> , 46, 461	1.9	