

# Mehran Sabahi

## List of Publications by Citations

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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	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> , <b>2012</b> , 27, 2309-2324	7.2	201
154	Reduction of Power Electronic Elements in Multilevel Converters Using a New Cascade Structure. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 256-269	8.9	140
153	Double Flying Capacitor Multicell Converter Based on Modified Phase-Shifted Pulsewidth Modulation. <i>IEEE Transactions on Power Electronics</i> , <b>2010</b> , 25, 1517-1526	7.2	138
152	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> , <b>2016</b> , 63, 3582-3594	8.9	125
151	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
150	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> , <b>2018</b> , 65, 1306-1315	8.9	117
149	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 7157-7164	8.9	110
148	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> , <b>2014</b> , 61, 5300-5310	8.9	102
147	Reliability Evaluation of Conventional and Interleaved DCDC Boost Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 5821-5828	7.2	101
146	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 5403-5415	8.9	96
145	New hybrid structure for multilevel inverter with fewer number of components for high-voltage levels. <i>IET Power Electronics</i> , <b>2014</b> , 7, 96-104	2.2	94
144	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
143	High Step-Up Quasi-Z Source DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 10563-10571	8.9	75
142	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
141	Extendable Nonisolated High Gain DCDC Converter Based on Active/Passive Inductor Cells. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 9478-9487	8.9	68
140	Cascaded cross-switched multilevel inverter in symmetric and asymmetric conditions. <i>IET Power Electronics</i> , <b>2013</b> , 6, 1041-1050	2.2	62
139	A Novel Interleaved Nonisolated Ultrahigh-Step-Up DCDC Converter With ZVS Performance. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 3650-3661	8.9	61

138	A New High Step-Up Multi-Input Multi-Output DCDC Converter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 5197-5208	8.9	61
137	High Step-Up DCDC Converter With Minimum Output Voltage Ripple. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 3568-3575	8.9	58
136	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
135	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
134	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 1894-1905	8.9	53
133	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
132	Three-Phase HFL-DVR With Independently Controlled Phases. <i>IEEE Transactions on Power Electronics</i> , <b>2012</b> , 27, 1706-1718	7.2	49
131	Flexible Power Electronic Transformer. <i>IEEE Transactions on Power Electronics</i> , <b>2010</b> , 25, 2159-2169	7.2	49
130	Lateral stabilization of a four wheel independent drive electric vehicle on slippery roads. <i>Mechatronics</i> , <b>2015</b> , 30, 275-285	3	45
129	Cascaded multilevel inverter using sub-multilevel cells. <i>Electric Power Systems Research</i> , <b>2013</b> , 96, 101-110	5.5	45
128	Design and analysis of a novel SEPIC-based multi-input DC/DC converter. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1393-1402	2.2	43
127	Designing a new robust sliding mode controller for maximum power point tracking of photovoltaic cells. <i>Solar Energy</i> , <b>2016</b> , 132, 538-546	6.8	43
126	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> , <b>2019</b> , 34, 5464-5475	7.2	40
125	Novel multilevel inverter topologies for medium and high-voltage applications with lower values of blocked voltage by switches. <i>IET Power Electronics</i> , <b>2014</b> , 7, 3062-3071	2.2	39
124	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
123	A New Transformer-Less Five-Level Grid-Tied Inverter for Photovoltaic Applications. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 106-118	5.4	35
122	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
121	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

120	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
119	A New Single-Phase Transformerless Grid-Connected Inverter With Boosting Ability and Common Ground Feature. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 9313-9325	8.9	31
118	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
117	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
116	A New Coupled Inductor Nonisolated High Step-Up Quasi Z-Source DCDC Converter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 5389-5397	8.9	30
115	Extended high step-up structure for multilevel converter. <i>IET Power Electronics</i> , <b>2016</b> , 9, 1894-1902	2.2	29
114	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
113	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
112	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
111	A modified integral sliding mode control to lateral stabilisation of 4-wheel independent drive electric vehicles. <i>Vehicle System Dynamics</i> , <b>2014</b> , 52, 1584-1606	2.8	27
110	Ultra-high step-up two-input DCDC converter with lower switching losses. <i>IET Power Electronics</i> , <b>2019</b> , 12, 2201-2213	2.2	25
109	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> , <b>2018</b> , 46, 519-542	2	24
108	A Novel Structure for Bridge-Type Fault Current Limiter: Capacitor-Based Nonsuperconducting FCL. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 3044-3051	7.2	24
107	Improved sensorless direct torque control method using adaptive flux observer. <i>IET Power Electronics</i> , <b>2014</b> , 7, 1675-1684	2.2	24
106	Three-phase soft-switching-based interleaved boost converter with high reliability. <i>IET Power Electronics</i> , <b>2017</b> , 10, 377-386	2.2	24
105	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 4308-4318	8.9	23
104	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
103	A Bridge-Type Fault Current Limiter for Energy Management of AC/DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 9043-9050	7.2	22

102	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
101	Switched-diode structure for multilevel converter with reduced number of power electronic devices. <i>IET Power Electronics</i> , <b>2014</b> , 7, 648-656	2.2	22
100	New Expandable Switched-Capacitor/Switched-Inductor High-Voltage Conversion Ratio Bidirectional DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 2480-2487	7.2	22
99	Single-phase common-grounded transformer-less grid-tied inverter for PV application. <i>IET Power Electronics</i> , <b>2020</b> , 13, 157-167	2.2	21
98	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
97	Extended configuration of dual active bridge DCDC converter with reduced number of switches. <i>IET Power Electronics</i> , <b>2015</b> , 8, 401-416	2.2	21
96	A Three-Phase Dimmable Lighting System Using a Bidirectional Power Electronic Transformer. <i>IEEE Transactions on Power Electronics</i> , <b>2009</b> , 24, 830-837	7.2	21
95	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
94	New improved three-phase hybrid multilevel inverter with reduced number of components. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1403-1412	2.2	19
93	Study on the derivation of the continuous input current high-voltage gain DC/DC converters. <i>IET Power Electronics</i> , <b>2018</b> , 11, 1652-1660	2.2	19
92	Multilevel Nonsuperconducting Fault Current Limiter: Analysis and Practical Feasibility. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 6059-6068	7.2	19
91	Analysis and implementation of a modular isolated zero-voltage switching bidirectional dc/dc converter. <i>IET Power Electronics</i> , <b>2014</b> , 7, 2035-2049	2.2	17
90	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
89	Failure analysis and reliability evaluation of modulation techniques for neutral point clamped inverters—usage model approach. <i>Engineering Failure Analysis</i> , <b>2017</b> , 71, 90-104	3.2	17
88	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
87	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> , <b>2019</b> , 106, 169-182	5.1	15
86	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
85	Chattering free full-order terminal sliding-mode control for maximum power point tracking of photovoltaic cells. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 85-91	2.9	14

84	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
83	Unified power flow controller based on two shunt converters and a series capacitor. <i>Electric Power Systems Research</i> , <b>2010</b> , 80, 1511-1519	3.5	12
82	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
81	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> , <b>2019</b> , 29, e12123	2.2	11
80	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
79	Hybrid PV/wind system with quinary asymmetric inverter without increasing DC-link number. <i>Ain Shams Engineering Journal</i> , <b>2016</b> , 7, 579-592	4.4	10
78	An improved Non-Isolated Multiple-Input buck dc-dc converter <b>2017</b> ,		10
77	Analysis and implementation of a novel three input DC-DC boost converter for sustainable energy applications. <i>International Transactions on Electrical Energy Systems</i> , <b>2019</b> , 29, e2801	2.2	10
76	A modified grid-connected current source inverter for photovoltaic application <b>2015</b> ,		10
75	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
74	Reliability evaluation of a fault-tolerant three-phase interleaved DC-DC boost converter. <i>Transactions of the Institute of Measurement and Control</i> , <b>2019</b> , 41, 1278-1289	1.8	10
73	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
72	Bidirectional active charge equaliser for series-connected cells. <i>IET Power Electronics</i> , <b>2019</b> , 12, 1229-1240	2	9
71	A Study on an Improved Three-Winding Coupled Inductor Based DC/DC Boost Converter with Continuous Input Current. <i>Energies</i> , <b>2020</b> , 13, 1780	3.1	9
70	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
69	A new single-phase cascade multilevel inverter topology using four-level cells <b>2012</b> ,		9
68	Design, analysis, and implementation of a multiport DCDC converter for renewable energy applications. <i>IET Power Electronics</i> , <b>2019</b> , 12, 465-475	2.2	9
67	High Step-Up DCDC Converter With Efficient Inductive Utilization. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 3831-3839	8.9	9

66	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
65	A New Transformer-Less Common Grounded Three-Level Grid-Tied Inverter With Voltage Boosting Capability. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 1896-1909	5.4	9
64	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
63	High Performance FPGA Based Digital Space Vector PWM Three Phase Voltage Source Inverter. <i>International Journal of Modern Education and Computer Science</i> , <b>2013</b> , 5, 62-71	1.7	8
62	S4 grid-connected single-phase transformerless inverter for PV application <b>2016</b> ,		8
61	A Zeta-based switched-capacitor DC-DC converter topology. <i>International Journal of Circuit Theory and Applications</i> , <b>2019</b> , 47, 1302	2	7
60	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
59	Analysis and design of a soft-switching boost DC/DC converter. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1353-1362	2	7
58	Modified PWM control method for neutral point clamped multilevel inverters <b>2017</b> ,		7
57	A New Three-Winding Coupled Inductor Nonisolated Quasi-Z-Source High Step-Up DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 11523-11531	7.2	7
56	Two new transformerless high step-down DCDC converters. <i>IET Power Electronics</i> , <b>2019</b> , 12, 1205-1219	2.2	6
55	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
54	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
53	A Developed Two-Leg Ladder Multilevel Converter Structure. <i>Journal of Circuits, Systems and Computers</i> , <b>2018</b> , 27, 1850183	0.9	6
52	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
51	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> , <b>2008</b> , 78, 975-984	3.5	6
50	A Sepic based high step-up DC-DC converter integrating coupled inductor for renewable energy applications <b>2017</b> ,		5
49	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



48	High step-down/high step-up interleaved bidirectional DCDC converter with low voltage stress on switches. <i>IET Power Electronics</i> , <b>2020</b> , 13, 104-115	2.2	5
47	A multi-port high step-Up DC-DC converter with reduced normalized voltage stress on switches/diodes <b>2018</b> ,		5
46	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
45	Back-to-back stacked multicell converter <b>2012</b> ,		5
44	A Limited Common-Mode Current Switched-Capacitor Multilevel Inverter Topology and Its Performance and Lifetime Evaluation in Grid-Connected Photovoltaic Applications. <i>Energies</i> , <b>2021</b> , 14, 1915	3.1	5
43	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
42	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> , <b>2021</b> , 15, 1-16 <sup>2.9</sup>		5
41	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> , <b>2021</b> , 9, 6113-6123	5.6	5
40	A New Non-Isolated Buck-Boost Converter with High Voltage Gain and Positive Output Voltage for Renewable Energy Applications <b>2019</b> ,		4
39	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>2.2</sup>		4
38	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
37	A conventional dynamic voltage restorer with fault current limiting capability. <i>Procedia Computer Science</i> , <b>2017</b> , 120, 750-757	1.6	4
36	Modeling and stability analysis of buck-boost dc-dc converter based on Z-transform <b>2012</b> ,		4
35	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> , <b>2021</b> , 2, 526-534	2.6	4
34	Extended SVM algorithms for multilevel trans-Z-source inverter. <i>Ain Shams Engineering Journal</i> , <b>2016</b> , 7, 265-274	4.4	3
33	Probabilistic dispatch in hybrid-microgrid system with considering energy arbitrage. <i>Journal of Renewable and Sustainable Energy</i> , <b>2019</b> , 11, 025904	2.5	3
32	Modified Single-Phase Z-Source Converter Based on Gamma Structure <b>2020</b> ,		3
31	A Simple Technique for Optimal Selection of Degree of Hybridization (DOH) in Parallel Passenger Hybrid Cars. <i>Automatika</i> , <b>2015</b> , 56, 33-41	1.6	3



30	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
29	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
28	Online Dynamic Parameter Estimation of Transformer Equivalent Circuit <b>2006</b> ,		3
27	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
26	Common-ground non-isolated high-gain DC/DC converter for low power distributed generation photovoltaic systems. <i>IET Power Electronics</i> , <b>2020</b> , 13, 2589-2597	2.2	3
25	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
24	A Class of Quasi-Cuk DC/DC Converters: Steady-State Analysis and Design. <i>Electric Power Components and Systems</i> , <b>2018</b> , 46, 581-599	1	2
23	Tracking of X-Y direction positions with using permanent magnet linear synchronous motors <b>2014</b> ,		2
22	A New Soft Starting Method for Wound-Rotor Induction Motor. <i>Journal of Electrical Engineering</i> , <b>2011</b> , 62, 31-36	0.6	2
21	A New Switching Strategy for 3-Phase to 2-Phase Matrix Converters <b>2006</b> ,		2
20	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> , <b>2017</b> , 12, 1108-1113	1.4	2
19	Two-input boost converter for street-lighting applications. <i>Computers and Electrical Engineering</i> , <b>2021</b> , 92, 107126	4.3	2
18	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> , <b>2021</b> , 49, 221-243 <sup>2</sup>		2
17	Power quality improvement using a power electronic transformer based DVR <b>2015</b> ,		1
16	Voltage Boosting Technique for Switched Capacitor Based Cascaded H-Bridge Multilevel Inverter <b>2020</b> ,		1
15	New structure of nonsuperconducting fault current limiter for wide ranges of currents based on PWM switching strategy <b>2017</b> ,		1
14	Cascaded Multilevel Inverters Using Proposed Series Sub-multilevel Basic Blocks with Reduced Switching Devices. <i>Electric Power Components and Systems</i> , <b>2017</b> , 45, 1691-1704	1	1
13	Power quality enhancement using a new hybrid active power filter under non-ideal source and load conditions <b>2009</b> ,		1

12	A new bi-directional ZVS inverter by estimated phase shifting for non-linear loads		1
11	A Novel Modulation Method to Reduce Leakage Current in Transformerless Z-source PV Inverters <b>2020</b> ,		1
10	Improved P&O Algorithm for Maximum Power Point Tracking at the Photovoltaic Array Using an Interleaved Boost Converter <b>2020</b> ,		1
9	New soft-switched high gain three-port DCDC converter with coupled inductors. <i>IET Power Electronics</i> , <b>2020</b> , 13, 4562-4571	2.2	1
8	A Non-Isolated Double-Input High Voltage Gain DC-DC Converter with Reduced Normalized Voltage Stress <b>2018</b> ,		1
7	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
6	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
5	Novel methodology for direct speed control of a permanent magnet synchronous motor with sensorless operation. <i>IET Electric Power Applications</i> , <b>2021</b> , 15, 728-741	1.8	0
4	Markov Chain Modeling for Reliability Analysis of Multi-Phase Buck Converters. <i>Journal of Circuits, Systems and Computers</i> , <b>2020</b> , 29, 2050139	0.9	0
3	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
2	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	
1	Practical data connection between MATLAB and microcontrollers using virtual serial port and MicroPython Pyboard: A survey. <i>IET Circuits, Devices and Systems</i> , <b>2021</b> , 15, 485-492	1.1	