Mohammad Meraj

List of Publications by Citations

20 papers	338 citations	12 h-index	18 g-index
26 ext. papers	608 ext. citations	4.1 avg, IF	4.18 L-index

#	Paper	IF	Citations
20	High Gain Transformer-Less Double-Duty-Triple-Mode DC/DC Converter for DC Microgrid. *IEEE Access*, **2019**, 7, 36353-36370	3.5	47
19	A New Structure of High Voltage Gain SEPIC Converter for Renewable Energy Applications. *IEEE Access*, **2019**, 7, 89857-89868	3.5	36
18	Evaluation of Level-Shifted and Phase-Shifted PWM Schemes for Seven Level Single-Phase Packed U Cell Inverter. *CPSS Transactions on Power Electronics and Applications*, **2018**, 3, 232-242	3.5	30
17	A Novel Modified Switched Inductor Boost Converter With Reduced Switch Voltage Stress. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 1275-1289	8.9	28
16	Interleaved Multilevel Boost Converter With Minimal Voltage Multiplier Components for High-Voltage Step-Up Applications. *IEEE Transactions on Power Electronics*, **2020**, 35, 12816-12833	7.2	22
15	Closed-Loop Control and Boundary for CCM and DCM of Nonisolated Inverting N□Multilevel Boost Converter for High-Voltage Step-Up Applications. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 2863-2874	8.9	22
14	A New Triple-Switch-Triple-Mode High Step-Up Converter With Wide Range of Duty Cycle for DC Microgrid Applications. *IEEE Transactions on Industry Applications*, **2019**, 55, 7425-7441	4.3	21
13	Nonisolated Symmetrical Interleaved Multilevel Boost Converter With Reduction in Voltage Rating of Capacitors for High-Voltage Microgrid Applications. *IEEE Transactions on Industry Applications*, **2019**, 55, 7410-7424	4.3	20
12	DC-Transformer Modelling, Analysis and Comparison of the Experimental Investigation of a Non-Inverting and Non-Isolated Nx Multilevel Boost Converter (Nx MBC) for Low to High DC Voltage Applications. *IEEE Access*, **2018**, 6, 70935-70951	3.5	20
11	New tri-switching state non-isolated high gain DC□DC boost converter for microgrid application. *IET Power Electronics*, **2019**, 12, 2741-2750	2.2	17
10	A New Variable Frequency Control of 49-Level Cascaded Packed U-Cell Voltage Source Inverter. *IEEE Transactions on Industry Applications*, **2019**, 55, 7537-7548	4.3	13
9	Modulation With Metaheuristic Approach for Cascaded-MPUC49 Asymmetrical Inverter With Boosted Output. *IEEE Access*, **2020**, 8, 96867-96877	3.5	12
8	Modified multilevel buck□boost converter with equal voltage acrosseach capacitor: analysis and experimental investigations. *IET Power Electronics*, **2019**, 12, 3318-3330	2.2	12
7	High step-up single switch quadratic modified SEPIC converter for DC microgrid applications. *IET Power Electronics*, **2020**, 13, 3717-3726	2.2	7
6	High Gain Switched-Inductor-Double-Leg Converter With Wide Duty Range for DC Microgrid. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 9561-9573	8.9	7
5	High gain three-state switching hybrid boost converter for DC microgrid applications. *IET Power Electronics*, **2019**, 12, 3656-3667	2.2	6
4	Transformer-less Boost Converter with Reduced Voltage Stress for High Voltage Step-Up Applications. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	6

List of Publications

3	Non-Isolated DC–DC Power Converter With High Gain and Inverting Capability. *IEEE Access*, **2021**, 9, 62084-62092	3.9	4
2	EK multilevel inverter a minimal switch novel configuration for higher number of output voltage levels. *IET Power Electronics*, **2020**, 13, 2804-2815	2.2	3
1	Modelling, analysis, and implementation of a switched-inductor based DC/DC converter with reduced switch current stress. *IET Power Electronics*, **2021**, 14, 1504-1514	2.2	1