

Mehdi Abbasi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Step-Up Transformerless, ZVâ€ZCS High-Gain DC/DC Converter With Output Voltage Regulation Using Modular Step-Up Resonant Cells for DC Grid in Wind Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1102-1121.	5.4	35
2	A Modular SiC-Based Step-Up Converter With Soft-Switching-Assisted Networks and Internally Coupled High-Voltage-Gain Modules for Wind Energy System With a Medium-Voltage DC-Grid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 798-810.	5.4	26
3	An Output-Current-Dependent DC-Link Energy Regulationâ€Schemeâ€forâ€aâ€Familyâ€ofâ€Soft-Switched AC/DC Offline LED Drivers Without Electrolytic Capacitors. IEEE Transactions on Industrial Electronics, 2017, 64, 5838-5850.	7.9	19
4	A Very High-Gain-Modular Three-Phase AC/DC Soft-Switched Converter Featuring High-Gain ZCS Output Rectifier Modules Without Using Step-Up Transformers for a DC Grid in Wind Systems. IEEE Transactions on Industry Applications, 2018, 54, 3723-3736.	4.9	18
5	A Bridgeless AC/DC High Voltage Gain Converter With Three-Phase Modular Series-Output Connected Configuration for MVDC Grid Applications. IEEE Transactions on Power Electronics, 2020, 35, 10323-10337.	7.9	12
6	An Interleaved Bridgeless Single-Stage AC/DC Converter With Stacked Switches Configurations and Soft-Switching Operation for High-Voltage EV Battery Systems. IEEE Transactions on Industry Applications, 2022, 58, 5533-5545.	4.9	12
7	An SiC-Based AC/DC CCM Bridgeless Onboard EV Charger With Coupled Active Voltage Doubler Rectifiers for 800-V Battery Systems. , 2020, , .		11
8	A Constant-Frequency High-Voltage Gain Resonant Converter Module With Semiactive Phase-Shifted Voltage Multiplier for MVdc Distribution. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3603-3616.	5.4	10
9	An SiC-Driven Modular Step-Up Converter With Soft-Switched Module Having 1:1 Turns Ratio Multiphase Transformer for Wind Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 7055-7066.	7.9	9
10	A new three-phase soft-switched bridgeless AC/DC step-up converter with current fed voltage doubler modules for DC grid in wind systems. , 2018, , .		8
11	A SiC-based, Fully Soft-Switched Bridge-less AC/DC Converter with High Voltage Conversion Ratio Based on Current Fed Voltage Quadrupler Modules for MVDC Conversion in Wind Energy Application. , 2018, , .		8
12	A Step-Up Reconfigurable Multimode <i>LLC</i> Converter Module With Extended High-Efficiency Range for Wide Voltage Gain Application in Medium Voltage DC Grid Systems. IEEE Transactions on Power Electronics, 2022, 37, 8118-8132.	7.9	7
13	A new three-phase AC/DC high power factor soft-switched step-up converter with high gain rectifier modules for medium voltage grid in wind systems. , 2016, , .		5
14	A New Fully Magnetically Coupled SiC-Based DC/DC Step-up LLC Resonant Converter with Inherent Balanced Voltage Sharing for Renewable Energy Systems with a Medium Voltage DC Grid. , 2019, , .		5
15	A âˆ¼499% <i>Î</i> Hybrid Resonant/Coupled ZCS-Voltage-Quadruplers MV SiC Converter Module for DC Grid in Wind Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 1231-1240.	7.9	5
16	Dynamic performance and small-signal analysis of a DC-DC step-up converter with high-gain output rectifier for offshore wind turbines. , 2017, , .		4
17	An improved voltage balancing technique for a soft-switched high-gain converter with low voltage stress using duty ratio control for wind energy application. , 2017, , .		4
18	A Multimode Bridge-less SiC-Based AC/DC Step-up Converter with a Dual Active Auxiliary Circuit for Wind Energy Conversion Systems with MVDC Grid. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	An Extended Describing Function Model for A Hybrid Frequency/Phase-shift Controlled SiC-Based High-Gain DC-DC Resonant Converter Module. , 2019, , .		3
20	An Interchangeable Soft-Switched Voltage Boosting Circuit for a Multi-Mode LLC Step-Up Converter Module in Medium Voltage Applications. , 2020, , .		3
21	An Interleaved Bridgeless AC/DC Stacked SiC Switches Based LLC Converter with Semi-Active Rectifiers for EV High Voltage Battery Systems. , 2021, , .		2
22	A Balanced, Unity Power Factor, 3-phase Bridgeless AC/DC Step-up Transformer-less Converter with Magnetic-Coupled Soft-Switched Step-up Rectifiers for Wind Farm with a MVDC Grid. , 2019, , .		1
23	A modular Silicon Carbide (SiC)-based single-stage three-phase AC/DC step-up medium voltage converter with extended soft-switching operations for DC grid in wind systems. , 2017, , .		0