

Elias Shokati Asl

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	High-voltage gain magnetically coupled half-bridge Z-source inverter. International Journal of Circuit Theory and Applications, 2022, 50, 1250-1278.	1.3	6
2	A New Type of Half-Bridge Trans-Z-Source Inverter with Continuous Input Current. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2022, 46, 461-479.	1.5	2
3	Half-Bridge Trans-Z-Source Inverter With Continuous Input Current. , 2021, , .		5
4	SIDO coupled inductor-based high voltage conversion ratio DC-DC converter with three operations. IET Power Electronics, 2021, 14, 1735-1752.	1.5	5
5	An Embedded Half-Bridge Z-Source Inverter with Reduced Voltage Stress on Capacitors. Energies, 2021, 14, 6433.	1.6	2
6	Half-Bridge Trans-Z-Source Inverter with High Boost Factor. , 2021, , .		4
7	Analysis, Design and Simulation of Single-Phase Isolated Improved Trans-ZS AC-AC Converter. , 2020, , .		2
8	Double-fed and double-switch active Z-source inverter with general variable high boost factor. IET Power Electronics, 2020, 13, 680-692.	1.5	6
9	Markov Chain Modeling for Reliability Analysis of Multi-Phase Buck Converters. Journal of Circuits, Systems and Computers, 2020, 29, 2050139.	1.0	3
10	DC-DC SIDO converter with low-voltage stress on switches: analysis of operating modes and design considerations. IET Power Electronics, 2020, 13, 233-247.	1.5	9
11	Switched Z-source networks: a review. IET Power Electronics, 2019, 12, 1616-1633.	1.5	36
12	Two different non-shoot-through operating modes for generating changeable general boost factor in switched Z-source inverters with modified modulation technique. IET Power Electronics, 2019, 12, 1686-1696.	1.5	8
13	Modified High Voltage Gain Soft-Switched Quasi-Switched Boost Inverter. , 2019, , .		0
14	Class of high step-up switched Z-source inverters: steady state analysis and objective function. IET Power Electronics, 2019, 12, 1329-1340.	1.5	5
15	Effect of different pulse-width modulation control methods on the behaviour of the series modified switched boost inverter. IET Power Electronics, 2019, 12, 3041-3055.	1.5	3
16	High step-up single-phase switched Z-source inverter: steady-state analysis and cost evaluation. IET Power Electronics, 2019, 12, 639-647.	1.5	7
17	A configuration for double input Z-source DC-DC converters. , 2018, , .		8
18	New Half-Bridge and Full-Bridge Topologies for a Switched-Boost Inverter With Continuous Input Current. IEEE Transactions on Industrial Electronics, 2018, 65, 3188-3197.	5.2	41

#	ARTICLE	IF	CITATIONS
19	Diode Assisted Quasi Z-source Inverter with Discontinuous Current: Analysis and Simulation. , 2018, , .		1
20	Developed Quasi Z-Source Inverter Based on Diode-Cells: Analysis and Simulation. , 2018, , .		0
21	A class of half-bridge quasi-Z-source inverters: Detailed steady-state analysis in various operating states, design considerations, and derivation of general topology. International Journal of Circuit Theory and Applications, 2018, 46, 2512-2544.	1.3	10
22	A Class of Quasi-Cuk DC/DC Converters: Steady-State Analysis and Design. Electric Power Components and Systems, 2018, 46, 581-599.	1.0	5
23	An energy stored improved Y-source single-phase inverter for photovoltaic system applications. , 2018, , .		7
24	Steady-State Analysis and Design Considerations of High Voltage Gain Switched Z-Source Inverter With Continuous Input Current. IEEE Transactions on Industrial Electronics, 2017, 64, 5342-5350.	5.2	70
25	Steady-state analysis of high-voltage gain multiple series Z-source inverter. IET Power Electronics, 2017, 10, 1518-1528.	1.5	20
26	High voltage gain half-bridge quasi-switched boost inverter with reduced voltage stress on capacitors. IET Power Electronics, 2017, 10, 1095-1108.	1.5	34
27	High-Voltage Gain Half-Bridge Z-Source Inverter With Low-Voltage Stress on Capacitors. IEEE Transactions on Industrial Electronics, 2017, 64, 191-197.	5.2	46
28	Current-fed switched Z-source inverters. , 2017, , .		1
29	A new topology for Z-source half-bridge inverter with low voltage stress on capacitors. Electric Power Systems Research, 2016, 140, 722-734.	2.1	47
30	Developed embedded switched Z-source inverter. IET Power Electronics, 2016, 9, 1828-1841.	1.5	77
31	Structure for multi-input multi-output dc-dc boost converter. IET Power Electronics, 2016, 9, 9-19.	1.5	136
32	Steady-State and Small-Signal Analysis of High-Voltage Gain Half-Bridge Switched Boost Inverter. IEEE Transactions on Industrial Electronics, 2016, 63, 3546-3553.	5.2	68