

Amir Farakhor

List of Publications by Year in descending order

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810
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Modeling and Online Parameter Identification of a Coupled-Inductor-Based DC-DC Converter with Leakage Inductance Effect Consideration. , 2021, , .		1
2	A Novel Modular, Reconfigurable Battery Energy Storage System Design. , 2021, , .		4
3	A Study on an Improved Three-Winding Coupled Inductor Based DC/DC Boost Converter with Continuous Input Current. Energies, 2020, 13, 1780.	3.1	15
4	A New Coupled Inductor-Based High Step-Up DC-DC Converter for PV Applications. , 2019, , .		8
5	A Two-Stage Coupled-Inductor-Based Cascaded DC-DC Converter with a High Voltage Gain. , 2019, , .		18
6	Design, analysis, and implementation of a multiport DCâ€“DC converter for renewable energy applications. IET Power Electronics, 2019, 12, 465-475.	2.1	29
7	Study on the derivation of the continuous input current highâ€“voltage gain DC/DC converters. IET Power Electronics, 2018, 11, 1652-1660.	2.1	32
8	Analysis and design procedure of a novel high voltage gain DC/DC boost converter. , 2017, , .		6
9	Design optimization of a "{C}uk DC/DC converter based on reliability constraints. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 1932-1945.	1.4	4
10	Application of Finite Control Set Model based Predictive method for power flow control using Unified Power Flow Controller. , 2015, , .		1
11	Impact of active network management in operation of Tabriz distribution system. , 2015, , .		1
12	Symmetric and asymmetric transformer based cascaded multilevel inverter with minimum number of components. IET Power Electronics, 2015, 8, 1052-1060.	2.1	73
13	A Novel High Step-up DC/DC Converter Based on Integrating Coupled Inductor and Switched-Capacitor Techniques for Renewable Energy Applications. IEEE Transactions on Power Electronics, 2015, 30, 4255-4263.	7.9	307
14	A new low cost cascaded transformer multilevel inverter topology using minimum number of components with modified selective harmonic elimination modulation. Ain Shams Engineering Journal, 2015, 6, 67-73.	6.1	28
15	Design, analysis and implementation of a buckâ€“boost DC/DC converter. IET Power Electronics, 2014, 7, 2902-2913.	2.1	75
16	Nonâ€“isolated multiâ€“inputâ€“singleâ€“output DC/DC converter for photovoltaic power generation systems. IET Power Electronics, 2014, 7, 2806-2816.	2.1	175
17	Minimisations of total harmonic distortion in cascaded transformers multilevel inverter by modifying turn ratios of the transformers and input voltage regulation. IET Power Electronics, 2014, 7, 2687-2694.	2.1	29
18	Analysis and implementation of a new singleâ€“switch buckâ€“boost DC/DC converter. IET Power Electronics, 2014, 7, 1906-1914.	2.1	88

#	ARTICLE	IF	CITATIONS
19	New cascaded multilevel inverter topology with reduced number of switches and sources. , 2013, , .		7
20	Novel algorithm of maximum power point tracking (MPPT) for variable speed PMSG wind generation systems through model predictive control. , 2013, , .		26
21	Novel algorithm of MPPT for PV array based on variable step Newton-Raphson method through model predictive control. , 2013, , .		22