

# Amir Farakhor

## List of Publications by Year in descending order

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21  
papers

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docs citations

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times ranked

810  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Non-isolated multi-input single-output DC/DC converter for photovoltaic power generation systems. IET Power Electronics, 2014, 7, 2806-2816.	2.1	175
3	Analysis and implementation of a new single-switch buck-boost DC/DC converter. IET Power Electronics, 2014, 7, 1906-1914.	2.1	88
4	Design, analysis and implementation of a buck-boost DC/DC converter. IET Power Electronics, 2014, 7, 2902-2913.	2.1	75
5	Symmetric and asymmetric transformer based cascaded multilevel inverter with minimum number of components. IET Power Electronics, 2015, 8, 1052-1060.	2.1	73
6	Study on the derivation of the continuous input current high-voltage gain DC/DC converters. IET Power Electronics, 2018, 11, 1652-1660.	2.1	32
7	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
8	Design, analysis, and implementation of a multiport DC-DC converter for renewable energy applications. IET Power Electronics, 2019, 12, 465-475.	2.1	29
9	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
10	Novel algorithm of maximum power point tracking (MPPT) for variable speed PMSG wind generation systems through model predictive control. , 2013, , .		26
11	Novel algorithm of MPPT for PV array based on variable step Newton-Raphson method through model predictive control. , 2013, , .		22
12	A Two-Stage Coupled-Inductor-Based Cascaded DC-DC Converter with a High Voltage Gain. , 2019, , .		18
13	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
14	A New Coupled Inductor-Based High Step-Up DC-DC Converter for PV Applications. , 2019, , .		8
15	New cascaded multilevel inverter topology with reduced number of switches and sources. , 2013, , .		7
16	Analysis and design procedure of a novel high voltage gain DC/DC boost converter. , 2017, , .		6
17	Design optimization of a buck DC/DC converter based on reliability constraints. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 1932-1945.	1.4	4
18	A Novel Modular, Reconfigurable Battery Energy Storage System Design. , 2021, , .		4

#	ARTICLE	IF	CITATIONS
19	Application of Finite Control Set Model based Predictive method for power flow control using Unified Power Flow Controller. , 2015, , .		1
20	Impact of active network management in operation of Tabriz distribution system. , 2015, , .		1
21	Dynamic Modeling and Online Parameter Identification of a Coupled-Inductor-Based DC-DC Converter with Leakage Inductance Effect Consideration. , 2021, , .		1