

Ali Ajami

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Non-isolated Buck-Boost DC-DC Converter with Continuous Input Current and Wide Conversion Ratio Range for Photovoltaic Applications. , 2022, , .		4
2	A Single-Switch, Coupled Inductor Based Quadratic High Step-Up DC-DC Converter with Low Switch Voltage Stress. , 2022, , .		0
3	A New High Step-Up DC-DC Topology with Zero DC Magnetizing Inductance Current and Continuous Input Current. , 2020, , .		1
4	A High Gain DC-DC Topology Based on Two-Winding Coupled Inductors Featuring Continuous Input Current. , 2020, , .		5
5	A single switch high step-up DC-DC converter with three winding coupled inductor. International Transactions on Electrical Energy Systems, 2019, 29, e2668.	1.2	20
6	Analysis and implementation of a novel three input DC-DC boost converter for sustainable energy applications. International Transactions on Electrical Energy Systems, 2019, 29, e2801.	1.2	17
7	A High Conversion Non-Isolated Bidirectional DC-DC converter with Low Stress for Micro-Grid Applications. , 2019, , .		10
8	A general analytical approach to reach maximum grid support by PMSG-based wind turbines under various grid faults. Journal of Central South University, 2019, 26, 2833-2844.	1.2	3
9	A Novel High-Gain DC-DC Topology Based on Coupled Inductors and Decreased Voltage Stresses on Output Elements. , 2019, , .		5
10	Transformer-based multilevel inverters: analysis, design and implementation. IET Power Electronics, 2019, 12, 1-10.	1.5	27
11	A novel high step-up DC-DC converter based on three-winding coupled inductor. EPE Journal (European Power Electronics and Drives Journal), 2019, 29, 1-10.	0.7	1
12	Study on a High Voltage Gain SEPIC-Based DC-DC Converter With Continuous Input Current for Sustainable Energy Applications. IEEE Transactions on Power Electronics, 2018, 33, 10403-10409.	5.4	113
13	A high step-up DC-DC boost converter with coupled inductor based on quadratic converters. , 2018, , .		21
14	A Novel High Step-Up DC-DC Converter With Continuous Input Current Integrating Coupled Inductor for Renewable Energy Applications. IEEE Transactions on Industrial Electronics, 2018, 65, 1306-1315.	5.2	184
15	Coupled-winding-based 11-level inverter: design and cost analysis. IET Power Electronics, 2018, 11, 2053-2062.	1.5	1
16	A non-isolated high step-up DC-DC converter with integrated 3 winding coupled inductor and reduced switch voltage stress. International Journal of Circuit Theory and Applications, 2018, 46, 1879-1898.	1.3	27
17	A Novel Step-Up Multiinput DC-DC Converter for Hybrid Electric Vehicles Application. IEEE Transactions on Power Electronics, 2017, 32, 3549-3561.	5.4	130
18	A Sepic based high step-up DC-DC converter integrating coupled inductor for renewable energy applications. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
19	Power flow controlling using SSSC based on matrix converter via SA-PSO algorithm. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 1461-1473.	0.9	5
20	Analysis and Implementation of a Non-Isolated Bidirectional DC-DC Converter with High Voltage Gain. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	5.2	126
21	Design and control of a grid tied 6-switch converter for two independent low power wind energy resources based on PMSGs with MPPT capability. Renewable Energy, 2016, 87, 532-543.	4.3	23
22	Modular symmetric and asymmetric reduced count switch multilevel current source inverter. IET Power Electronics, 2016, 9, 51-61.	1.5	17
23	Improvement of Indirect Harmonic Compensation Method Using Online Discrete Wavelet Transform. Journal of Circuits, Systems and Computers, 2016, 25, 1650019.	1.0	5
24	A reduced switch multi-input converter for low power variable speed wind turbine application. , 2015, , .		3
25	Multilevel hybrid cascade-stack inverter with substantial reduction in switches number and power losses. Turkish Journal of Electrical Engineering and Computer Sciences, 2015, 23, 987-1000.	0.9	6
26	Soft switching method for multiport DC/DC converters applicable in grid connected clean energy sources. IET Power Electronics, 2015, 8, 1246-1254.	1.5	25
27	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.	5.4	307
28	Design, analysis and implementation of a buck-boost DC/DC converter. IET Power Electronics, 2014, 7, 2902-2913.	1.5	75
29	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.	1.5	29
30	Robust terminal sliding mode power flow controller using unified power flow controller with adaptive observer and local measurement. IET Generation, Transmission and Distribution, 2014, 8, 1712-1723.	1.4	39
31	Parallel switch-based chopper circuit for DC capacitor voltage balancing in diode-clamped multilevel inverter. IET Power Electronics, 2014, 7, 503-514.	1.5	37
32	Developed cascaded multilevel inverter topology to minimise the number of circuit devices and voltage stresses of switches. IET Power Electronics, 2014, 7, 459-466.	1.5	105
33	Symmetric and Asymmetric Design and Implementation of New Cascaded Multilevel Inverter Topology. IEEE Transactions on Power Electronics, 2014, 29, 6712-6724.	5.4	248
34	Selective harmonic elimination method for wide range of modulation indexes in multilevel inverters using ICA. Journal of Central South University, 2014, 21, 1329-1338.	1.2	11
35	Cascade-multi-cell multilevel converter with reduced number of switches. IET Power Electronics, 2014, 7, 552-558.	1.5	95
36	Advanced Cascade Multilevel Converter with Reduction in Number of Components. Journal of Electrical Engineering and Technology, 2014, 9, 127-135.	1.2	14

#	ARTICLE	IF	CITATIONS
37	Direct Lyapunov theory-based method for power oscillation damping by robust finite-time control of unified power flow controller. IET Generation, Transmission and Distribution, 2013, 7, 691-699.	1.4	20
38	Modeling and unified tuning of distributed power flow controller for damping of power system oscillations. Ain Shams Engineering Journal, 2013, 4, 775-782.	3.5	5
39	Implementation of Novel Technique for Selective Harmonic Elimination in Multilevel Inverters Based on ICA. Advances in Power Electronics, 2013, 2013, 1-10.	0.8	9
40	A New Topology of Multilevel Voltage Source Inverter to Minimize the Number of Circuit Devices and Maximize the Number of Output Voltage Levels. Journal of Electrical Engineering and Technology, 2013, 8, 1328-1336.	1.2	25
41	Data driven approach for fault detection and diagnosis of turbine in thermal power plant using Independent Component Analysis (ICA). International Journal of Electrical Power and Energy Systems, 2012, 43, 728-735.	3.3	100
42	Fixed speed wind farm operation improvement using current-source converter based UPQC. Energy Conversion and Management, 2012, 58, 10-18.	4.4	17
43	A new concept of multilevel DVR based on Mixed Multi-cell Cascaded topology. , 2010, , .		5
44	Modeling and State Feedback Controller of SSSC Based Current Source Converter. , 2009, , .		6
45	Modeling and Controlling of IPFC Based Current-Source Converter. , 2009, , .		4
46	A Novel Hybrid Fuzzy/LQR Damping Oscillations Controller Using STATCOM. , 2009, , .		9