

Gierrì Waltrich

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Three-Phase Cascaded Multilevel Inverter Using Power Cells With Two Inverter Legs in Series. IEEE Transactions on Industrial Electronics, 2010, 57, 2605-2612.	7.9	122
2	DC-DC Converter for Dual-Voltage Automotive Systems Based on Bidirectional Hybrid Switched-Capacitor Architectures. IEEE Transactions on Industrial Electronics, 2015, 62, 3296-3304.	7.9	74
3	Three-Phase Bidirectional DC/DC Converter With Six Inverter Legs in Parallel for EV Applications. IEEE Transactions on Industrial Electronics, 2016, 63, 1372-1384.	7.9	62
4	High Step-Up DC-DC Converter Using Built-In Transformer Voltage Multiplier Cell and Dual Boost Concepts. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6700-6712.	5.4	32
5	Multiport Converter for Fast Charging of Electrical Vehicle Battery. IEEE Transactions on Industry Applications, 2012, 48, 2129-2139.	4.9	29
6	A Neural Network Architecture to Learn Explicit MPC Controllers from Data. IFAC-PapersOnLine, 2020, 53, 11362-11367.	0.9	27
7	Quadratic boost-flyback converter. IET Power Electronics, 2019, 12, 3166-3177.	2.1	15
8	Power Conversion Technologies for a Hybrid Energy Storage System in Diesel-Electric Locomotives. IEEE Transactions on Industrial Electronics, 2021, 68, 9081-9091.	7.9	13
9	Multiport converters for fast chargers of electrical vehicles - Focus on high-frequency coaxial transformers. , 2010, , .		12
10	Boost-flyback converter with interleaved input current and output voltage series connection. IET Power Electronics, 2018, 11, 1463-1471.	2.1	12
11	Three-phase Cascaded multilevel inverter using power cells with two inverter legs in series. , 2009, , .		11
12	Double boost-flyback converter. IET Power Electronics, 2020, 13, 1163-1171.	2.1	10
13	Modelling, control and realisation of the single-ended forward converter with resonant reset at the secondary side. IET Power Electronics, 2015, 8, 2097-2106.	2.1	9
14	Unidirectional Step-Up DC-DC Converter Based on Interleaved Phases, Coupled Inductors, Built-In Transformer, and Voltage Multiplier Cells. IEEE Transactions on Industrial Electronics, 2023, 70, 2385-2395.	7.9	9
15	Multiport converter for fast charging of electrical vehicle battery: Focus on DC/AC converter. , 2011, , .		8
16	Non-Isolated High Current Battery Charger with PFC Semi-Bridgeless Rectifier. , 2019, , .		6
17	Three-phase bidirectional dc/ac converter using a six-leg inverter connected to a direct ac/ac converter. IET Power Electronics, 2015, 8, 2214-2222.	2.1	5
18	Power flow steering for electric vehicle fast charging station. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
19	Bidirectional Dual Active Clamping Push-pull Dc-dc Converter. <i>Eletr�nica De Pot�ncia</i> , 2024, 21, 322-331.	0.1	2
20	Conversor CC-CC De Alto Ganho Com Divis�o De Esfor�os De Corrente No Est�gio De Entrada. <i>Eletr�nica De Pot�ncia</i> , 2024, 22, 380-388.	0.1	2
21	Three-phase cascade multilevel inverter using commutation sub-cells. , 2009, , .		1
22	Step-up inverter conceived by the integration between a Full-Bridge inverter and a Switched Capacitor Converter. , 2015, , .		1
23	Low-intrusion vehicle-to-home concept. , 2016, , .		1
24	Quadratic Boost-Flyback DC-DC Converter With Coupled Inductors. , 2018, , .		1
25	Multi-Port System for Braking Energy Recovery in Diesel-Electric Locomotives - Focus on the Multi-Interphase Transformer Design. , 2019, , .		1
26	Two-Stage SEPIC-Buck Topology for Neighborhood Electric Vehicle Charger. , 2019, , .		1
27	Integrated system for power flow control between electric vehicle, utility grid and residence. <i>IET Power Electronics</i> , 2020, 13, 953-960.	2.1	1
28	Multi-Port System for Storage and Management of Regenerative Braking Energy in Diesel-Electric Locomotives. , 2019, , .		1
29	Photovoltaic Array Emulator Based on the Buck Converter. , 2019, , .		0
30	Transformerless Step-Up Inverter Based On Switched-Capacitor Converter Technology. <i>Eletr�nica De Pot�ncia</i> , 2024, 22, 269-278.	0.1	0
31	HIGH GAIN DOUBLE BOOST-FLYBACK CONVERTER. <i>Eletr�nica De Pot�ncia</i> , 2018, 23, 1-10.	0.1	0
32	A HIGH STEP-UP QUADRATIC-BOOST-DOUBLE-FLYBACK DC-DC CONVERTER. <i>Eletr�nica De Pot�ncia</i> , 2019, 24, 366-377.	0.1	0
33	Energy management system for electric vehicle, residence and public electric network control. <i>Eletr�nica De Pot�ncia</i> , 2019, 24, 287-295.	0.1	0