

Mario Ponce-Silva

List of Publications by Year in descending order

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211
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#	ARTICLE	IF	CITATIONS
1	Analysis and Design of a Multi-Resonant Circuit for Applications of Wireless Capacitive Power Transmission. <i>Energies</i> , 2022, 15, 2252.	3.1	2
2	Study of the Effects of Current Imbalance in a Multiphase Buck Converter for Electric Vehicles. <i>World Electric Vehicle Journal</i> , 2022, 13, 88.	3.0	5
3	Design of an MPPT Technique for the Indirect Measurement of the Open-Circuit Voltage Applied to Thermoelectric Generators. <i>Energies</i> , 2022, 15, 3833.	3.1	1
4	Reconfiguration Strategy for Fault Tolerance in a Cascaded Multilevel Inverter Using a Z-Source Converter. <i>Electronics (Switzerland)</i> , 2021, 10, 574.	3.1	8
5	Analysis of a DC-DC Flyback Converter Variant for Thermoelectric Generators with Partial Energy Processing. <i>Electronics (Switzerland)</i> , 2021, 10, 619.	3.1	2
6	Analysis and Assessment of Use of Voltage and Current Inverters Applied to the Ozone Generation in High Frequency. <i>IEEE Transactions on Plasma Science</i> , 2021, 49, 1396-1405.	1.3	1
7	Implementation of the Three-Phase Inverter of Medium Power for Applications in Photovoltaic Pumping Systems Avoiding Oversizing. <i>European Journal of Electrical Engineering</i> , 2021, 23, 281-288.	0.3	0
8	A Novel High-Power-Factor Electrolytic-Capacitorless LED Driver Based on Ripple Port. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021, 9, 6248-6258.	5.4	17
9	Flyback Converter for Solid-State Lighting Applications with Partial Energy Processing. <i>Electronics (Switzerland)</i> , 2021, 10, 60.	3.1	9
10	Electrothermal Model for Power LEDs Based on the Equivalent Resistance Concept for LED Driver Design. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 6249-6254.	3.0	2
11	A Novel Dynamic Three-Level Tracking Controller for Mobile Robots Considering Actuators and Power Stage Subsystems: Experimental Assessment. <i>Sensors</i> , 2020, 20, 4959.	3.8	7
12	Comparative Performance and Assessment Study of a Current-Fed DC-DC Resonant Converter Combining Si, SiC, and GaN-Based Power Semiconductor Devices. <i>Electronics (Switzerland)</i> , 2020, 9, 1982.	3.1	4
13	Static technologies associated with pedaling energy harvesting through rotary transducers, a review. <i>Applied Energy</i> , 2020, 263, 114607.	10.1	0
14	Effects of the LED modelling on the output capacitance of power converters. <i>IET Power Electronics</i> , 2020, 13, 3467-3474.	2.1	5
15	Exponential Synchronization of Chaotic Xian System Using Linear Feedback Control. <i>Complexity</i> , 2019, 2019, 1-10.	1.6	15
16	The Ringer as an Inductive Power Source for a Reluctance Accelerator. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 2275-2281.	1.3	5
17	Starting Circuit Adapted to Stabilize HID Lamps and Reducing the Acoustic Resonances. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 7914-7921.	7.9	2
18	Power supply based on a multi-stage shunt class E amplifier applied to ozone generation with high efficiency. <i>International Journal of Circuit Theory and Applications</i> , 2019, 47, 254-274.	2.0	3

#	ARTICLE	IF	CITATIONS
19	Early fault detection in SiC-MOSFET with application in boost converter. Revista Facultad De IngenierÃa, 2018, , 7-14.	0.5	1
20	Resonant Half-Bridge Current-Inverter (RHBCI) used as Power Supply for Induction Lamps with High-Power-Factor and without Electrolytic Capacitors. , 2018, , .		1
21	Simplified electrical modelling of power LEDs for DCâ€“DC converter analysis and simulation. International Journal of Circuit Theory and Applications, 2017, 45, 1760-1772.	2.0	4
22	Techniques used to synchronize multi-phase AC-DC converters for energy harvesting applications, a review. Renewable and Sustainable Energy Reviews, 2017, 69, 123-128.	16.4	1
23	Passivity Based Control for the â€œBoost Converter-Inverter-DC Motorâ€•System. , 2017, , .		0
24	Impacto de la GeometrÃa en el Efecto Fin de Generadores Lineales. Informacion TecnolÃgica (discontinued), 2016, 27, 133-138.	0.3	1
25	Design and implementation of a test circuit for characterization of fluorescent lamps operated with the Dielectric Barrier Discharge. , 2016, , .		0
26	Experimental results concerning to the effects of the initial position of the projectile on the conversion efficiency of a reluctance accelerator. , 2016, , .		10
27	Assessment of the Bootstrap Technique in Single-Phase Current-Fed Full-Bridge Resonant Inverters with Reactive Energy. Journal of Circuits, Systems and Computers, 2016, 25, 1650141.	1.5	0
28	Efficiency optimization for radial permanent magnets electric generators. , 2016, , .		0
29	Simple test bench for characterisation of highâ€“intensity discharge lamps in the frequency domain. Electronics Letters, 2016, 52, 756-757.	1.0	0
30	Assessment of the Current-Source Full-Bridge Inverter (CSFBI) as Power Supply for Ozone Generators with High-Power-Factor in a Single Stage. IEEE Transactions on Power Electronics, 2016, , 1-1.	7.9	20
31	Use of active diodes in autonomous sensorless three-phase boost-rectifier for energy harvesting applications. , 2015, , .		1
32	Alternative definitions of energy for power meters in non-sinusoidal systems. International Journal of Electrical Power and Energy Systems, 2015, 64, 1206-1213.	5.5	3
33	Analysis and Design of a DC-DC Resonant Converter with a Class D Inverter and LCC Resonant Tank. , 2012, , .		2
34	Self-Oscillating DC-DC Resonant Converter. , 2012, , .		2
35	Analysis and Design Method for High-Frequency Self-Oscillating Electronic Ballasts. IEEE Transactions on Industry Applications, 2011, 47, 2430-2436.	4.9	9
36	Physical Modeling of SiC Power Diodes with Empirical Approximation. Journal of Power Electronics, 2011, 11, 381-388.	1.5	5

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37	HID Lamps Fed With Square Waveforms: Dimming and Frequency Effects on Stability, Current Crest Factor, and Power Factor. IEEE Transactions on Industry Applications, 2010, 46, 1667-1673.	4.9	10
38	Analysis and design method for high frequency self-oscillating electronic ballasts. , 2010, , .		5
39	Parallel-Resonant Inverter with Two Current Sources: Analysis and design methodology. , 2010, , .		1
40	Design of a ZVT DC-DC converter with stray components integration for a public-transport electric vehicle. , 2010, , .		1
41	Integrated square waveform electronic ballast with high efficiency and high power factor for high pressure sodium lamps. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	1
42	Stabilization of HID Lamps Using DC-DC Converters With an Open Loop Control. IEEE Transactions on Power Electronics, 2007, 22, 769-779.	7.9	6
43	High-efficient integrated electronic ballast for compact fluorescent lamps. IEEE Transactions on Power Electronics, 2006, 21, 532-542.	7.9	29
44	ANALYSIS AND DESIGN OF A QUASI-RESONANT FAST ON-LOAD TAP CHANGING REGULATOR. Journal of Circuits, Systems and Computers, 2004, 13, 877-899.	1.5	4
45	EVALUATION OF THE CLASS E AMPLIFIER WITH TWO CURRENT SOURCES USED AS A HIGH-POWER-FACTOR ELECTRONIC BALLAST FOR COMPACT FLUORESCENT LAMPS. Journal of Circuits, Systems and Computers, 2004, 13, 631-649.	1.5	1
46	Analysis of the class E amplifier used as electronic ballast with dimming capability for photovoltaic applications. International Journal of Electronics, 2001, 88, 831-846.	1.4	8