

Paulo Praca

List of Publications by Year in descending order

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66
papers

808
citations

932766

10
h-index

887659

17
g-index

66
all docs

66
docs citations

66
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-reported drug allergy in a general adult Portuguese population. <i>Clinical and Experimental Allergy</i> , 2004, 34, 1597-1601.	1.4	203
2	Interleaved-Boost Converter With High Voltage Gain. <i>IEEE Transactions on Power Electronics</i> , 2010, 25, 2753-2761.	5.4	127
3	High-Voltage Gain Boost Converter Based on Three-State Commutation Cell for Battery Charging Using PV Panels in a Single Conversion Stage. <i>IEEE Transactions on Power Electronics</i> , 2014, 29, 150-158.	5.4	80
4	Soft switching high-voltage gain dc-dc interleaved boost converter. <i>IET Power Electronics</i> , 2015, 8, 120-129.	1.5	47
5	A Single-Stage Three-Phase Bidirectional AC/DC Converter With High-Frequency Isolation and PFC. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 8298-8307.	5.4	39
6	Steady-State Analysis of a ZVS Bidirectional Isolated Three-Phase DC-DC Converter Using Dual Phase-Shift Control With Variable Duty Cycle. <i>IEEE Transactions on Power Electronics</i> , 2016, 31, 1863-1872.	5.4	36
7	Single-stage topologies integrating battery charging, high voltage step-up and photovoltaic energy extraction capabilities. <i>Electronics Letters</i> , 2011, 47, 49.	0.5	22
8	A bidirectional single stage AC-DC converter with high frequency isolation feasible to DC distributed power systems. , 2012, , .		22
9	An Interleaved-Stage AC-DC Modular Cascaded Multilevel Converter as a Solution for MV Railway Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 3008-3016.	5.2	22
10	Single stage high voltage gain boost converter with voltage Multiplier Cells for battery charging using photovoltaic panels. , 2012, , .		20
11	Soft-switching interleaved boost converter with high voltage gain. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008, , .	0.0	18
12	Integrated one-cycle control for three-leg universal active power filter. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008, , .	0.0	13
13	Five-level hybrid converter based on a Half-Bridge/ANPC cell. , 2011, , .		11
14	A two-stage AC/DC SST based on modular multilevel converter feasible to AC railway systems. , 2014, , .		10
15	Multi-port bidirectional three-phase AC-DC converter with high frequency isolation. , 2018, , .		10
16	High voltage gain boost converter battery charger applied to PV systems. , 2011, , .		9
17	Technical Performance Assessment of Urban Sewer Systems. <i>Journal of Performance of Constructed Facilities</i> , 2005, 19, 339-346.	1.0	8
18	A bidirectional single-stage three-phase rectifier with high-frequency isolation and power factor correction. , 2016, , .		8

#	ARTICLE	IF	CITATIONS
19	Voltage doubler boost rectifier based on three-state switching cell for UPS applications. , 2009, , .		6
20	A single-stage three-port boost converter with high voltage gain based on the bidirectional version of the three-state switching cell. , 2015, , .		6
21	A Bidirectional Isolated Integrated AC-DC Converter Based on an Interleaved 3-Level T-Type Power Converters. IEEE Access, 2021, 9, 142754-142767.	2.6	6
22	An Application of the Multi-Port Bidirectional Three-Phase AC-DC Converter in Electric Vehicle Charging Station Microgrid. , 2019, , .		5
23	Voltage doubler boost rectifier based on three-state switching cell for UPS applications. , 2009, , .		4
24	Carrier-based PWM modulation for THD and losses reduction on multilevel inverters. , 2012, , .		4
25	High voltage gain single stage DC-DC converter based on three-state commutation cell. , 2013, , .		4
26	Comparative analysis of performance for single-phase AC-DC converters using FPGA for UPS applications. , 2013, , .		4
27	THD analysis of a modulation technique applied for THD reduction. , 2013, , .		4
28	Low cost wind energy conversion system based on the discontinuous conduction mode three-phase semi-controlled rectifier. IET Power Electronics, 2015, 8, 851-859.	1.5	4
29	Multi-Port Single-Phase Converter Applied to Residential Microgeneration. , 2018, , .		4
30	Three-phase voltage doubler rectifier based on three-state switching cell for Uninterruptible Power Supply applications using FPGA. , 2010, , .		3
31	A single stage high voltage gain ZVS boost converter feasible to photovoltaic battery charger systems. , 2010, , .		3
32	Digital implementation of a modulation technique for a multilevel inverter on FPGA. , 2012, , .		3
33	Bidirectional modular multilevel PFC rectifier based on cascading full-bridge and interleaving technique suitable for SST applications. , 2016, , .		3
34	A New Multinivel Converter Based on the Use of Interleaving Technique and Cascade Association. , 2019, , .		3
35	Interleaving Technique Applied in an Active Filter Based on the Full-Bridge Cascaded Converter. , 2020, , .		3
36	Four-Port, Single-Stage, Multidirectional AC-AC Converter for Solid-State Transformer Applications. IEEE Transactions on Industrial Electronics, 2022, 69, 4596-4606.	5.2	3

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37	PID Digital Control Using Microcontroller and FPGA Applied to a Single-Phase Three-Level Inverter. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	2
38	PID digital control applied to a high voltage gain converter with soft-switching cells. , 2010, , .		2
39	Soft-switching bidirectional isolated three-phase DC-DC converter with dual phase-shift and variable duty cycle. , 2013, , .		2
40	Five-level hybrid half-bridge/ANPC back-to-back converter. , 2013, , .		2
41	Proposal of a control scheme for an active filter feasible to the Dc-link capacitor minimization of a PV micro-inverter. , 2015, , .		2
42	Proposal of a control scheme for an active filter on PV micro-inverter applications. , 2017, , .		2
43	Filtered smith predictor applied to a boost converter for minimizing the effect of non-minimal phase and rejection of disturbances. , 2017, , .		2
44	Isolated AC-DC Interleaved Converter for MVDC Collection Grid in HVDC Offshore Wind Farm. , 2019, , .		2
45	A Generalized Interleaved Approach Feasible to Static Synchronous Compensator Applications. IEEE Transactions on Industrial Electronics, 2022, 69, 7629-7638.	5.2	2
46	Investigation of a Circuit Model and a Control Strategy for the Generalized Cascaded Full-Bridge Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1337-1341.	2.2	2
47	Digital self-control technique applied to a high frequency isolated pre-regulator with power factor correction. , 2009, , .		1
48	Analysis and Design of a Bridgeless Power Factor Pre-Regulator Using Self-Tuning Strategy. , 2009, , .		1
49	Soft-switching interleaved boost converter with high voltage gain applied to a photovoltaic system. , 2010, , .		1
50	Final experimental results of three-level boost rectifier based on 3SSC with FPGA digital control for UPS applications. , 2011, , .		1
51	A bidirectional single stage DC-DC converter with high frequency isolation. , 2013, , .		1
52	A two-stage AC/DC SST based on modular multilevel converter. , 2013, , .		1
53	A single-phase isolated AC-DC converter using an interleaved MMC. , 2015, , .		1
54	A Space Vector PWM scheme for a Single-stage Ac-Dc Modular Cascaded Multilevel Converter. , 2015, , .		1

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55	Analysis of a modulation technique applied to FC inverter for THD reduction. , 2015, , .		1
56	A continuous actor-critic Maximum Power Point Tracker applied to low power wind turbine systems. , 2016, , .		1
57	High-Gain Bidirectional DC-DC Converter for Battery Charging in DC Nanogrid of Residential Prosumer. , 2019, , .		1
58	High frequency isolation pre-regulator with power factor correction applied to UPS using self-control technique on a DSPIC. , 2009, , .		0
59	Microinverter single phase derived of flyback topology for generating system fotovoltaic. , 2015, , .		0
60	A neural adaptative step size method for maximum power point tracking in low power wind turbine systems. , 2015, , .		0
61	DC-DC converter based on multistate switching cell capable to achieve current sharing. , 2016, , .		0
62	On the study of the interleaving technique using an interphase transformer considering the use of SIC. , 2017, , .		0
63	An Indirect AC-AC Converter With Power Factor Correction and High Frequency Insulation. , 2018, , .		0
64	Conversor CC-CC Bidirecional De Tr�s Portas, Est�gio �snico E Alto Ganho De Tens�o Para Aplica�es Em Sistemas Fotovoltaicos. Eletr�nica De Pot�ncia, 2024, 22, 258-268.	0.1	0
65	Comprehensive analysis of a three�phase DC�DC resonant converter with an open delta�wye transformer using variable frequency. Electronics Letters, 2021, 57, 77-80.	0.5	0
66	General Evaluation of Rectifier Arrangements for the Three-Phase DC/DC Converter. , 2021, , .		0