Pablo Quintana-Barcia

List of Publications by Year
in descending order

25 papers	111 citations	1936888 4 h-index	1473754 9 g-index
26 all docs	26 docs citations	26 times ranked	115 citing authors

#	Article	IF	Citations
1	Bidirectional Grid-Tie Flyback Converter Applied to Distributed Power Generation and Street Lighting Integrated System. IEEE Transactions on Industry Applications, 2015, 51, 4709-4717.	3.3	16
2	A Distributed Control Strategy for Islanded Single-Phase Microgrids with Hybrid Energy Storage Systems Based on Power Line Signaling. Energies, 2019, 12, 85.	1.6	13
3	LED Series Current Regulator Based on a Modified Class-E Resonant Inverter. IEEE Transactions on Industrial Electronics, 2018, 65, 9488-9497.	5.2	11
4	eWRE project: Overview and proposed modules. Workrooms Journal, 2016, 1, .	0.0	9
5	Optimizing LED lamps design for street lighting with staggered arrangement allowing energy saving strategies in a Lighting Smart Grid context. , 2015, , .		8
6	Smart control for Smart Grids: From lighting systems to Grid side management. , 2016, , .		7
7	Study of a flyback-based stage as grid interface topology for micro-generation applications. , 2012, , .		6
8	Control of single-phase islanded PV/battery streetlight cluster based on power-line signaling. , 2013, , .		5
9	Bidirectional Flyback converter connected to the grid and applied to a distributed microgeneration and street lighting system. , 2014, , .		4
10	Single-Switch LED Post-Regulator Based on a Modified Class-E Resonant Converter with Voltage Clamp. Electronics (Switzerland), 2019, 8, 798.	1.8	4
11	Optimization of a Series Converter for Low-Frequency Ripple Cancellation of an LED Driver. Electronics (Switzerland), 2019, 8, 664.	1.8	4
12	Permanent Emergency LED Lamp Based on a Series Single-Switch Resonant Converter With Battery Clamp. IEEE Transactions on Industrial Electronics, 2022, 69, 9992-10000.	5.2	4
13	Control of public dc street/road lighting microgrids with microgeneration and storage capability based on a power-line signaling dependent droop. , 2016, , .		3
14	Working in a smart grid for a sustainable gym. , 2016, , .		3
15	Improving current equalization in energy storage systems for lighting smart grids applications with the bidirectional one-leg converter. , 2016, , .		3
16	Closed Loop Control of a Series Class-E Voltage-Clamped Resonant Converter for LED Supply with Dimming Capability. Electronics (Switzerland), 2019, 8, 1380.	1.8	3
17	Minimization of current harmonics content in conventional lighting distribution lines without current sensing. , 2013, , .		2
18	Control of single-phase islanded PV/battery minigrids based on power-line signaling. , 2014, , .		2

#	Article	IF	Citations
19	A methodology for LED placement in luminaires without lenses for optimal illumination of complex target areas. Energy Efficiency, 2018, 11, 1041-1051.	1.3	2
20	A unified switching strategy in bidirectional grid interface DCM flyback stages for public street lighting systems with microgeneration capability. , 2015, , .		1
21	Active battery cell equalization using a Flyback converter with current mode control. , 2018, , .		1
22	Simple HPS lamp circuital model for both lineâ€frequency and highâ€frequency operations. Electronics Letters, 2014, 50, 699-701.	0.5	0
23	Fast dynamics current control of DCM flyback as PFC front converter for lighting applications. , 2015, , .		0
24	Improving current equalization in energy storage systems for lighting smart grids applications with the bidirectional one-leg converter. Workrooms Journal, 2017, 1, .	0.0	0
25	Aprendienco C con Arduino. Workrooms Journal, 2022, 1, .	0.0	0