LuÃ-s Fernando CorrÃªa Monteiro

List of Publications by Year
in descending order

47 papers	396 citations	1306789 7 h-index	1199166 12 g-index
47 all docs	47 docs citations	47 times ranked	272 citing authors

#	Article	IF	Citations
1	A control strategy for unified power quality conditioner. , 0, , .		38
2	3-phase 4-wire shunt active power filter with renewable energy interface. Renewable Energy and Power Quality Journal, 2007, 1, 625-630.	0.2	38
3	Instantaneous p–q power theory for control of compensators in micro-grids. , 2010, , .		31
4	Compensation algorithms based on the p-q and CPC theories for switching compensators in micro-grids. , 2009, , .		25
5	Control algorithms based on the active and nonâ€active currents for a UPQC without series transformers. IET Power Electronics, 2016, 9, 1985-1994.	1.5	24
6	A Review on Power Electronics Technologies for Power Quality Improvement. Energies, 2021, 14, 8585.	1.6	23
7	Control strategies for series and shunt active filters. , 0, , .		20
8	Comparison of current-source and voltage-source Shunt Active Power Filters for harmonic compensation and reactive power control. , 2012, , .		17
9	A control strategy for a three-phase four-wire shunt active filter. , 2008, , .		13
10	A Combined Series Active Filter and Passive Filters for Harmonics, Unbalances and Flicker Compensation. , 2007, , .		12
11	Control algorithms for a unified power quality conditioner based on three-level converters. International Transactions on Electrical Energy Systems, 2015, 25, 2394-2411.	1.2	12
12	The Role of Front-End AC/DC Converters in Hybrid AC/DC Smart Homes: Analysis and Experimental Validation. Electronics (Switzerland), 2021, 10, 2601.	1.8	12
13	Shunt Active Power Filter with Dynamic Output Current Limitation. , 2007, , .		10
14	A linearized small-signal ThÃ©venin-equivalent model of a voltage-controlled modular multilevel converter. Electric Power Systems Research, 2020, 182, 106231.	2.1	10
15	Experimental Results of a Single-Phase Shunt Active Filter Prototype with Different Switching Techniques. , 2007, , .		9
16	A Simplified Control Strategy for a Unified Power Quality Conditioner Prototype. , 2005, , .		8
17	Comparisons between synchronizing circuits to control algorithms for single-phase active converters. , 2009, , .		8
18	A novel selective control algorithm for the shunt active filter. , 2010, , .		8

#	Article	IF	Citations
19	Fault location in distribution systems from analysis of the energy of sequence component waveforms. IET Generation, Transmission and Distribution, 2018, 12, 1951-1960.	1.4	7
20	Single phase shunt active filter with digital control. Renewable Energy and Power Quality Journal, 2007, 1, 619-624.	0.2	7
21	Grid-Forming MMC: A Comparison Between Single- and Dual-Loop Control Approaches. , 2021, , .		6
22	A three-phase four-wire Unified Power Quality Conditioner without series transformers. , 2012, , .		5
23	Control algorithms for a transformerless hybrid active filter without current sensors. , 2014, , .		5
24	A novel concept of unidirectional bridgeless combined boost-buck converter for EV battery chargers. , 2015, , .		5
25	A novel current harmonic compensation based on resonant controllers for a selective active filter. , 2016, , .		5
26	New Trends in Active Power Filter for Modern Power Grids. , 2018, , .		4
27	Experimental Evaluation of a Control System Based on a Dual-DSP Architecture for a Unified Power Quality Conditioner. Energies, 2019, 12, 1694.	1.6	4
28	Power Electronics Converters for an Electric Vehicle Fast Charging Station with Storage Capability. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 119-130.	0.2	4
29	A comparative analysis of cascaded-multilevel hybrid filters applied in power transmission systems. Controle and Automacao, 2008, 19, 107-113.	0.2	3
30	A novel architecture of a bidirectional bridgeless interleaved converter for EV battery chargers. , 2015, , .		3
31	Improvements on the Incremental Conductance MPPT Method Applied to a PV String with Single-Phase to Three-Phase Converter for Rural Grid Applications. Advances in Electrical and Computer Engineering, 2019, 19, 63-70.	0.5	3
32	Power Electronics Converters for an Electric Vehicle Fast Charging Station with Energy Storage System and Renewable Energy Sources. EAI Endorsed Transactions on Energy Web, 2020, 7, 161749.	0.3	3
33	MPPT algorithm for PV array connected to a Hybrid Generation System. , 2015, , .		2
34	Selective harmonic elimination for modular 5-level MLC²topology based 7-level inverter by using genetic algorithms. , 2016, , .		2
35	A single-phase active filter with cascaded multilevel inverter modelled as a complementarity problem. , 2016, , .		2
36	Fast response one-cycle control strategy for three-phase shunt active power filter. , 2017, , .		2

#	Article	IF	Citations
37	Nineteen multilevel asymmetric cascaded with an improved modulation strategy. , 2010, , .		1
38	Novel control algorithm for a unified power quality conditioner connected to a radial grid. , 2015, , .		1
39	Considerations on one cycle control technique. , 2017, , .		1
40	Integration Control Strategy for Voltage Source Inverter. , 2018, , .		1
41	Mitigation of Low-Frequency Oscillations by Tuning Single-Phase Phase-Locked Loop Circuits. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 132-151.	0.2	1
42	On the effects of hyper-parameters adjustments to the PSO-GMPPT algorithm for a photovoltaic system under partial shading conditions. EAI Endorsed Transactions on Energy Web, 2020, 7, 160981.	0.3	1
43	Fast response one cycle control strategy for APF. , 2017, , .		0
44	Single-Phase to Thee-Phase Conversion System. , 2018, , .		0
45	A Selective Harmonic Compensation with Current Limiting Algorithm. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 103-118.	0.2	0
46	On the Effects of Parameter Adjustment on the Performance of PSO-Based MPPT of a PV-Energy Generation System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 175-192.	0.2	0
47	Developed power quality monitor used for shunt active power filter studies. Renewable Energy and Power Quality Journal, 2007, 1, 631-637.	0.2	0