

Adriano Silva Carvalho

List of Publications by Year in descending order

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44
papers

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all docs

44
docs citations

44
times ranked

947
citing authors

#	ARTICLE	IF	CITATIONS
1	Switching frequency imposition and ripple reduction in DTC drives by using a multilevel converter. IEEE Transactions on Power Electronics, 2002, 17, 286-297.	7.9	183
2	Multiport Hybrid HVDC Circuit Breaker. IEEE Transactions on Industrial Electronics, 2018, 65, 309-320.	7.9	86
3	A parameter optimized model of a Proton Exchange Membrane fuel cell including temperature effects. Journal of Power Sources, 2008, 185, 952-960.	7.8	78
4	Cooperative multi-robot systems. Robotics and Autonomous Systems, 2005, 53, 282-311.	5.1	70
5	Nonlinear control of the doubly-fed induction generator in wind power systems. Renewable Energy, 2010, 35, 1662-1670.	8.9	59
6	A new parameter extraction method for accurate modeling of PEM fuel cells. International Journal of Energy Research, 2009, 33, 978-988.	4.5	51
7	Current Flow Controlling Hybrid DC Circuit Breaker. IEEE Transactions on Power Electronics, 2018, 33, 1323-1334.	7.9	44
8	Application study of superconducting fault current limiters in meshed HVDC grids protected by fast protection relays. Electric Power Systems Research, 2017, 143, 292-302.	3.6	43
9	Controllable hybrid power system based on renewable energy sources for modern electrical grids. Renewable Energy, 2013, 53, 271-279.	8.9	39
10	Finite-Element Modeling and Optimization-Based Parameter Extraction Algorithm for NPT-IGBTs. IEEE Transactions on Power Electronics, 2009, 24, 1417-1427.	7.9	33
11	Estimation of the tensile strength of UHPFRC layers based on non-destructive assessment of the fibre content and orientation. Cement and Concrete Composites, 2017, 83, 222-238.	10.7	33
12	Non-destructive assessment of fibre content and orientation in UHPFRC layers based on a magnetic method. Cement and Concrete Composites, 2016, 72, 66-79.	10.7	26
13	A New Approach for Real Time Train Energy Efficiency Optimization. Energies, 2018, 11, 2660.	3.1	23
14	Design and implementation of fast current releasing DC circuit breaker. Electric Power Systems Research, 2017, 151, 218-232.	3.6	21
15	A new topology of fast solid-state HVDC circuit breaker for offshore wind integration applications. , 2015, , .		17
16	Trilateration for indoors positioning within the framework of wireless communications. , 2009, , .		16
17	A new approach for physical-based modelling of bipolar power semiconductor devices. Solid-State Electronics, 2008, 52, 1766-1772.	1.4	14
18	Complex state-space current controller for grid-connected converters with an LCL filter. , 2009, , .		11

#	ARTICLE	IF	CITATIONS
19	Position and Orientation Errors in Mobile Robot Absolute Self-Localization Using an Improved Version of the Generalized Geometric Triangulation Algorithm. , 2006, , .		10
20	New Reactive Power Compensation Strategies for Railway Infrastructure Capacity Increasing. Energies, 2020, 13, 4379.	3.1	10
21	A directional protection strategy for multi-terminal VSC-HVDC grids. , 2016, , .		9
22	Fault mode operation strategies for dual H-bridge current flow controller in meshed HVDC grid. Electric Power Systems Research, 2018, 160, 163-172.	3.6	9
23	Comparison of DSOGI-Based PLL for Phase Estimation in Three-Phase Weak Grids. Electricity, 2021, 2, 244-270.	2.8	9
24	A neural network approach for Radio Frequency based indoors localization. , 2012, , .		8
25	Design of a DC-DC converter with high voltage gain for photovoltaic-based microgeneration. , 2014, , .		8
26	Unidirectional Protection Strategy for Multi-terminal HVDC Grids. Transactions on Environment and Electrical Engineering, 2016, 1, 58.	0.5	8
27	Dynamic analysis of AGV control under dead-reckoning algorithm. Robotica, 2008, 26, 635-641.	1.9	6
28	Neural networks based power flow control of the doubly fed induction generator. , 2009, , .		4
29	Error analysis in indoors localization using ZigBee wireless networks. , 2010, , .		4
30	A DFIG-based Wind Turbine Operation under Balanced and Unbalanced Grid Voltage Conditions. IFAC-PapersOnLine, 2020, 53, 12835-12840.	0.9	4
31	A neural network approach for AGV localization using trilateration. , 2009, , .		3
32	Issues on performance of wind systems derived from exploitation data. , 2009, , .		3
33	Comparison of current control methods for grid-connected low-power single-phase converters. , 2014, , .		2
34	An integrated approach to design high performance controllers for PWM VSC converters. , 2009, , .		1
35	Indoors Localization Using Mobile Communications Radio Signal Strength. , 2011, , .		1
36	Low power interleaved DC-DC converter with high voltage gain for photovoltaic applications. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	Accurate modelling of DC-DC power converters for photovoltaic applications. , 2016, , .		1
38	Control architecture based on FPGA for a renewable energy system. , 2016, , .		1
39	Overview on the Impact, Interactions and Challenges faced by AC Transmission Protection Systems with HVDC Technology. , 2019, , .		1
40	Modelling, Control and Performance Evaluation of an AC/DC Microgrid. , 2019, , .		1
41	A Model Based on a Stochastic Petri Net Approach for Dependability Evaluation of Controller Area Networks. , 2006, , 150-157.		1
42	A physics-based power diode model optimized through experiment based parameter extraction. , 2007, , .		0
43	TESE — A tool for teaching semiconductor theory. , 2009, , .		0
44	Design of a bidirectional DC-DC converter with high-frequency isolation for battery applications. , 2015, , .		0