Eduardo GalvÃ¡n DÃez

List of Publications by Year
in descending order

48 papers	**5,526** citations	567144 **15** h-index	552653 **26** g-index
48 all docs	**48** docs citations	**48** times ranked	**4798** citing authors

#	Article	IF	Citations
1	Optimization-Based Capacitor Balancing Method with Customizable Switching Reduction for CHB Converters. Energies, 2022, 15, 1976.	1.6	2
2	Optimization-Based Capacitor Balancing Method with Selective DC Current Ripple Reduction for CHB Converters. Energies, 2022, 15, 243.	1.6	1
3	Multi P2P Energy Trading Market, Integrating Energy Storage Systems and Used for Optimal Scheduling. IEEE Access, 2022, 10, 64302-64315.	2.6	8
4	Sizing and Management of Energy Storage Systems in Large-Scale Power Plants Using Price Control and Artificial Intelligence. Energies, 2021, 14, 3296.	1.6	7
5	Optimal Switching Sequence Model Predictive Control for Single-Phase Cascaded H-Bridge. , 2021, , .		5
6	Energy Storage Systems Current Ripple Reduction for DC-Link Balancing Method in Hybrid CHB Topology. , 2020, , .		6
7	Optimal Scheduling of Energy Storage Using A New Priority-Based Smart Grid Control Method. Energies, 2019, 12, 579.	1.6	14
8	Optimal Modulation Method for DC-Link Control in Cascaded H-Bridge Multilevel Converters. , 2019, , .		3
9	Synchronous reluctance six-phase motor proved based EV powertrain as charger/discharger with redundant topology and ORS control. IET Electric Power Applications, 2019, 13, 1857-1870.	1.1	1
10	Powertrain EV synchronous reluctance motor design with redundant topology with novel control. IET Electric Power Applications, 2019, 13, 1647-1659.	1.1	4
11	Method for controlling voltage and frequency of the local offshore grid responsible for connecting large offshore commercial wind turbines with the rectifier diode-based HVDC-link applied to an external controller. IET Electric Power Applications, 2017, 11, 1509-1516.	1.1	3
12	Power Production Losses Study by Frequency Regulation in Weak-Grid-Connected Utility-Scale Photovoltaic Plants. Energies, 2016, 9, 317.	1.6	11
13	New Low-Distortion Q–f Droop Plus Correlation Anti-Islanding Detection Method for Power Converters in Distributed Generation Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 5072-5081.	5.2	24
14	A new fast peak current controller for transient voltage faults for power converters. , 2015, , .		0
15	Fast Response Energy Storage Systems. Green Energy and Technology, 2013, , 367-427.	0.4	1
16	New soft switched interface circuit with reduced switch count for stand-alone photovoltaic systems. , 2011, , .		0
17	Recent advances on Energy Storage Systems. , 2011, , .		27
18	Wind Turbine Applications. , 2011, , 791-822.		4

#	ARTICLE	IF	CITATIONS
19	Analysis of the Power Balance in the Cells of a Multilevel Cascaded H-Bridge Converter. IEEE Transactions on Industrial Electronics, 2010, 57, 2287-2296.	5.2	115
20	Energy Storage Systems for Transport and Grid Applications. IEEE Transactions on Industrial Electronics, 2010, 57, 3881-3895.	5.2	1,054
21	New fully soft switched bi-directional converter for Hybrid Electric Vehicles: Analysis and control. , 2010, , .		11
22	Direct Power Control for three-phase power converters under distorted input voltages. , 2009, , .		6
23	A Model-Based Direct Power Control for Three-Phase Power Converters. IEEE Transactions on Industrial Electronics, 2008, 55, 1647-1657.	5.2	168
24	Controller design for a single-phase two-cell multilevel cascade H-bridge converter. , 2008, , .		18
25	Wind Turbine Applications. , 2007, , 737-768.		0
26	Digital Implementation Issues for a Three-Phase Power Converter Development Using a Repetitive Control Scheme. , 2007, , .		6
27	Power conditioning of fuel cell systems in portable applications. International Journal of Hydrogen Energy, 2007, 32, 1559-1566.	3.8	25
28	Power Electronic Systems for the Grid Integration of Wind Turbines. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	27
29	Optimized Direct Power Control Strategy using Output Regulation Subspaces and Pulse Width Modulation. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	12
30	Power-Electronic Systems for the Grid Integration of Renewable Energy Sources: A Survey. IEEE Transactions on Industrial Electronics, 2006, 53, 1002-1016.	5.2	3,182
31	Modeling Strategy for Back-to-Back Three-Level Converters Applied to High-Power Wind Turbines. IEEE Transactions on Industrial Electronics, 2006, 53, 1483-1491.	5.2	191
32	A switching control strategy based on output regulation subspaces for the control of induction motors using a three-level inverter. IEEE Power Electronics Letters, 2003, 1, 29-32.	1.1	19
33	A 3-D space vector modulation generalized algorithm for multilevel converters. IEEE Power Electronics Letters, 2003, 1, 110-114.	1.1	87
34	A family of switching control strategies for the reduction of torque ripple in DTC. IEEE Transactions on Control Systems Technology, 2003, 11, 933-939.	3.2	20
35	Analysis and design of direct power control (DPC) for a three phase synchronous rectifier via output regulation subspaces. IEEE Transactions on Power Electronics, 2003, 18, 823-830.	5.4	166
36	Speed control of induction motors using a novel fuzzy sliding-mode structure. IEEE Transactions on Fuzzy Systems, 2002, 10, 375-383.	6.5	102

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37	Analysis and experimentation of nonlinear adaptive controllers for the series resonant converter. IEEE Transactions on Power Electronics, 2000, 15, 536-544.	5.4	44
38	ASIC implementation of a digital tachometer with high precision in a wide speed range. IEEE Transactions on Industrial Electronics, 1996, 43, 655-660.	5.2	39
39	Direct active and reactive power control (DPQ) for a three phase synchronous rectifier. , 0, , .		5
40	Direct force control for a three-phase double-sided linear induction machine with transverse magnetic flux. , 0, , .		6
41	A new power stabilization control system based on making use of mechanical inertia of a variable-speed wind-turbine for stand-alone wind-diesel applications. , 0, , .		13
42	A SVM-3D generalized algorithm for multilevel converters. , 0, , .		30
43	Control of a three level converter used as a synchronous rectifier. , 0, , .		15
44	Modeling of a three level converter used in a synchronous rectifier application. , 0, , .		18
45	DSP-based doubly fed induction generator test bench using a back-to-back PWM converter. , 0, , .		13
46	Simple and advanced three dimensional spacevector modulation algorithm for four-leg multilevel converters topology. , 0, , .		4
47	Modeling of Five-Level Converter Used in a Synchronous Rectifier Application. , 0, , .		9
48	Sistema de controle distribuÃdo para uma rede de turbinas eÃ³licas offshore conectado por um link HVDC baseado em retificador de diodo. , 0, , .		0