Alexis B Rey-Bou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21 papers	233 citations	9 h-index	15 g-index
28 ext. papers	305 ext. citations	5.6 avg, IF	3.29 L-index

#	Paper	IF	Citations
21	Enhanced Control of Three-Phase Grid-Connected Renewables with Fault Ride-Through Capability under Voltage Sags. *Electronics (Switzerland)*, **2022**, 11, 1404	2.6	
20	Frequency- adaptive control of a three-phase single-stage grid-connected photovoltaic system under grid voltage sags. *International Journal of Electrical Power and Energy Systems*, **2021**, 125, 106416	5.1	4
19	Modeling and Design of the Vector Control for a Three-Phase Single-Stage Grid-Connected PV System with LVRT Capability according to the Spanish Grid Code. *Energies*, **2019**, 12, 2899	3.1	9
18	Improved Control of Grid-connected DFIG-based Wind Turbine using Proportional-Resonant Regulators during Unbalanced Grid. *Energies*, **2019**, 12, 4041	3.1	6
17	Enhanced controller for grid-connected modular multilevel converters in distorted utility grids. *Electric Power Systems Research*, **2018**, 163, 310-327	3.5	6
16	Calculation of the number of modules and the switching frequency of a modular multilevel converter using near level control. *Electric Power Systems Research*, **2018**, 165, 68-83	3.5	2
15	Using PBL to Improve Educational Outcomes and Student Satisfaction in the Teaching of DC/DC and DC/AC Converters. *IEEE Transactions on Education*, **2017**, 60, 229-237	2.1	20
14	Overview and comparative study of two control strategies used in 3-phase grid-connected inverters for renewable systems. *Renewable Energy Focus*, **2017**, 19-20, 75-89	5.4	4
13	Synchronization algorithms for grid-connected renewable systems: Overview, tests and comparative analysis. *Renewable and Sustainable Energy Reviews*, **2017**, 75, 629-643	16.2	15
12	Modular Multilevel Converters: Control and Applications. *Energies*, **2017**, 10, 1709	3.1	47
11	Control and synchronization algorithms for a grid-connected photovoltaic system under harmonic distortions, frequency variations and unbalances. *Renewable Energy*, **2015**, 80, 380-395	8.1	7
10	Adaptive-frequency Resonant Harmonic-Compensator structure for a 3-phase grid-connected photovoltaic system. *Energy Conversion and Management*, **2014**, 87, 328-337	10.6	11
9	Performance study of a synchronization algorithm for a 3-phase photovoltaic grid-connected system under harmonic distortions and unbalances. *Electric Power Systems Research*, **2014**, 116, 252-265	3.5	23
8	Modelling, simulation and experimental verification for renewable agents connected to a distorted utility grid using a Real-Time Digital Simulation Platform. *Energy Conversion and Management*, **2014**, 84, 108-121	10.6	14
7	An integrative approach to the design methodology for 3-phase power conditioners in Photovoltaic Grid-Connected systems. *Energy Conversion and Management*, **2012**, 56, 80-95	10.6	34
6	Real time test benchmark design for photovoltaic grid-connected control systems. *Electric Power Systems Research*, **2011**, 81, 907-914	3.5	12
5	Encapsulating connections on SoC designs using ASM++ charts **2010**, 323-328		

List of Publications

4	Comparative Analysis of the Techniques of Current Commutation in Matrix Converters **2007**,	10
3	A simpler and faster method for SVM implementation **2007**,	5
2	**2005**,	1
1	A novel current control strategy for PWM inverters using the sliding mode techniques	2