

Alexis B Rey-Bou

List of Publications by Citations

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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	Modular Multilevel Converters: Control and Applications. <i>Energies</i> , 2017 , 10, 1709	3.1	47
20	An integrative approach to the design methodology for 3-phase power conditioners in Photovoltaic Grid-Connected systems. <i>Energy Conversion and Management</i> , 2012 , 56, 80-95	10.6	34
19	Performance study of a synchronization algorithm for a 3-phase photovoltaic grid-connected system under harmonic distortions and unbalances. <i>Electric Power Systems Research</i> , 2014 , 116, 252-265	3.5	23
18	Using PBL to Improve Educational Outcomes and Student Satisfaction in the Teaching of DC/DC and DC/AC Converters. <i>IEEE Transactions on Education</i> , 2017 , 60, 229-237	2.1	20
17	Synchronization algorithms for grid-connected renewable systems: Overview, tests and comparative analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 75, 629-643	16.2	15
16	Modelling, simulation and experimental verification for renewable agents connected to a distorted utility grid using a Real-Time Digital Simulation Platform. <i>Energy Conversion and Management</i> , 2014 , 84, 108-121	10.6	14
15	Real time test benchmark design for photovoltaic grid-connected control systems. <i>Electric Power Systems Research</i> , 2011 , 81, 907-914	3.5	12
14	Adaptive-frequency Resonant Harmonic-Compensator structure for a 3-phase grid-connected photovoltaic system. <i>Energy Conversion and Management</i> , 2014 , 87, 328-337	10.6	11
13	Comparative Analysis of the Techniques of Current Commutation in Matrix Converters 2007 ,		10
12	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. <i>Energies</i> , 2019 , 12, 2899	3.1	9
11	Control and synchronization algorithms for a grid-connected photovoltaic system under harmonic distortions, frequency variations and unbalances. <i>Renewable Energy</i> , 2015 , 80, 380-395	8.1	7
10	Enhanced controller for grid-connected modular multilevel converters in distorted utility grids. <i>Electric Power Systems Research</i> , 2018 , 163, 310-327	3.5	6
9	Improved Control of Grid-connected DFIG-based Wind Turbine using Proportional-Resonant Regulators during Unbalanced Grid. <i>Energies</i> , 2019 , 12, 4041	3.1	6
8	A simpler and faster method for SVM implementation 2007 ,		5
7	Overview and comparative study of two control strategies used in 3-phase grid-connected inverters for renewable systems. <i>Renewable Energy Focus</i> , 2017 , 19-20, 75-89	5.4	4
6	Frequency- adaptive control of a three-phase single-stage grid-connected photovoltaic system under grid voltage sags. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 125, 106416	5.1	4
5	A novel current control strategy for PWM inverters using the sliding mode techniques		2

4	Calculation of the number of modules and the switching frequency of a modular multilevel converter using near level control. <i>Electric Power Systems Research</i> , 2018 , 165, 68-83	3.5	2
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3	2005,		1
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2	Encapsulating connections on SoC designs using ASM++ charts 2010 , 323-328		
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1	Enhanced Control of Three-Phase Grid-Connected Renewables with Fault Ride-Through Capability under Voltage Sags. <i>Electronics (Switzerland)</i> , 2022 , 11, 1404	2.6	
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