Dionisio Ramirez

List of Publications by Year
in descending order

49	915	471509	454955
papers	citations	17	30
		h-index	g-index

49	49	49	965
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simple estimation of PV modules loss resistances for low error modelling. Renewable Energy, 2010, 35, 1103-1108.	8.9	101
2	Accurate and fast convergence method for parameter estimation of PV generators based on three main points of the I–V curve. Renewable Energy, 2011, 36, 2972-2977.	8.9	99
3	Low-Voltage Ride-Through Capability for Wind Generators Based on Dynamic Voltage Restorers. IEEE Transactions on Energy Conversion, 2011, 26, 195-203.	5.2	94
4	Modular Multilevel Converters: Control and Applications. Energies, 2017, 10, 1709.	3.1	76
5	Use of STATCOM in wind farms with fixed-speed generators for grid code compliance. Renewable Energy, 2012, 37, 202-212.	8.9	46
6	Characterization of the Rotor Magnetic Field in a Brushless Doubly-Fed Induction Machine. IEEE Transactions on Energy Conversion, 2009, 24, 599-607.	5.2	45
7	Distributed generation system with PEM fuel cell for electrical power quality improvement. International Journal of Hydrogen Energy, 2008, 33, 4433-4443.	7.1	39
8	Computer-Based Simulation and Scaled Laboratory Bench System for the Teaching and Training of Engineers on the Control of Doubly Fed Induction Wind Generators. IEEE Transactions on Power Systems, 2011, 26, 1534-1543.	6.5	29
9	Influence of Rotor Position in FRA Response for Detection of Insulation Failures in Salient-Pole Synchronous Machines. IEEE Transactions on Energy Conversion, 2011, 26, 671-676.	5.2	28
10	Emulation of an OWC Ocean Energy Plant With PMSG and Irregular Wave Model. IEEE Transactions on Sustainable Energy, 2015, 6, 1515-1523.	8.8	27
11	Four-Switch Three-Phase Operation of Grid-Side Converter of Doubly Fed Induction Generator With Three Vectors Predictive Direct Power Control Strategy. IEEE Transactions on Industrial Electronics, 2019, 66, 7741-7752.	7.9	26
12	Improvements in the grid connection of renewable generators with full power converters. Renewable Energy, 2012, 43, 90-100.	8.9	25
13	Three-Phase Four-Switch Converter for SPMS Generators Based on Model Predictive Current Control for Wave Energy Applications. IEEE Transactions on Power Electronics, 2020, 35, 289-302.	7.9	25
14	Assessment of a non linear current control technique applied to MMC-HVDC during grid disturbances. Renewable Energy, 2017, 101, 945-963.	8.9	23
15	Design Parameters Analysis of Point Absorber WEC via an evolutionary-algorithm-based Dimensioning Tool. Energies, 2015, 8, 11203-11233.	3.1	21
16	Fast Model-based Predictive Control (FMPC) for grid connected Modular Multilevel Converters (MMC). International Journal of Electrical Power and Energy Systems, 2020, 119, 105951.	5.5	21
17	Dimensioning of Point Absorbers for Wave Energy Conversion by Means of Differential Evolutionary Algorithms. IEEE Transactions on Sustainable Energy, 2019, 10, 1076-1085.	8.8	18
18	Multivector Model Predictive Power Control for Grid Connected Converters in Renewable Power Plants. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1466-1478.	5.4	16

#	Article	IF	Citations
19	Voltage dip generator for testing wind turbines connected to electrical networks. Renewable Energy, 2011, 36, 1588-1594.	8.9	14
20	Blackbox Large-Signal Modeling of Grid-Connected DC-AC Electronic Power Converters. Energies, 2019, 12, 989.	3.1	14
21	Model Predictive Control for PMSG-Based Wind Turbines With Overmodulation and Adjustable Dynamic Response Time. IEEE Transactions on Industrial Electronics, 2022, 69, 1573-1585.	7.9	13
22	Optimal Regulation of Electric Drives With Constant Load Torque. IEEE Transactions on Industrial Electronics, 2006, 53, 1762-1769.	7.9	12
23	Guidelines for the design and control of electrical generator systems for new grid connected wind turbine generators. , 0, , .		11
24	Adaptation of Floating Point DSP-Based Technology for Small Variable-Speed Wind Turbine. IEEE Transactions on Energy Conversion, 2007, 22, 376-382.	5.2	9
25	Predictive Direct Control of SPMS Generators Applied to the Machine Side Converter of an OWC Power Plant. IEEE Transactions on Power Electronics, 2020, 35, 6719-6731.	7.9	9
26	MMC as nonlinear vector current source for grid connection of wave energy generation. International Journal of Electrical Power and Energy Systems, 2019, 113, 686-698.	5.5	8
27	Switch Fault Tolerant Model-Based Predictive Control of a VSC Connected to the Grid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 949-960.	5.4	7
28	Dimensioning Methodology of an Energy Storage System Based on Supercapacitors for Grid Code Compliance of a Wave Power Plant. Energies, 2021, 14, 985.	3.1	7
29	Development System for Wireless Control Applied to Renewable Power Plants. IEEE Transactions on Sustainable Energy, 2018, 9, 1328-1336.	8.8	6
30	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.	3.6	6
31	Robust control of a floating OWC WEC under open€switch fault condition in one or in both VSCs. IET Renewable Power Generation, 2020, 14, 2538-2549.	3.1	6
32	Procedure for the Determination of the Student Workload and the Learning Environment Created in the Power Electronics Course Taught Through Project-Based Learning. IEEE Transactions on Education, 2022, 65, 428-439.	2.4	6
33	Non€linear vector current source for the control of permanent magnet synchronous generators in wave energy applications. IET Renewable Power Generation, 2019, 13, 2409-2417.	3.1	5
34	Dual multivector model predictive control for the power converters of a floating OWC WEC. International Journal of Electrical Power and Energy Systems, 2021, 133, 107263.	5.5	4
35	Analysis of the impact of charging of Plug-in Hybrid and Electric Vehicles in Spain. Renewable Energy and Power Quality Journal, 0, , 1457-1462.	0.2	4
36	STATCOM Control Strategies. Power Systems, 2015, , 147-186.	0.5	3

#	Article	IF	Citations
37	Predictive control of a permanent magnet synchronous generator connected to an MMC converter in an oscillating water column based power plant. IET Renewable Power Generation, 2020, 14, 275-285.	3.1	3
38	Comparison of current control strategies applied to a boost-rectifier connected to a direct drive wave energy converter. , 2015, , .		2
39	Design considerations for a voltage-boosting DC-AC Modular Multilevel Converter. , 2015, , .		2
40	Sensitivity analysis of loss resistances variations of PV generators applied to the assessment of maximum power point changes due to degradation. Renewable Energy, 2021, 173, 351-361.	8.9	2
41	Metaâ€heuristic optimisation approach for wave energy converter design by means of a stochastic hydrodynamic model. IET Renewable Power Generation, 2021, 15, 548-561.	3.1	1
42	Connection System for Small and Medium-Size Wind Generators through the Integration in an MMC and NLC Modulation. Energies, 2021, 14, 2681.	3.1	1
43	Impacts of Electric Mobility on the Electric Grid. Advances in Data Mining and Database Management Book Series, 2014, , 319-339.	0.5	1
44	A novel educational proposal: Devising an electric power system. , 2016, , .		0
45	SMOOTHING OF THE INTERMITTENT POWER PROVIDED BY WAVE POWER PLANTS USING ULTRACAPACITORS AND A NON-LINEAR VECTOR CURRENT CONTROLLED MMC. Dyna (Spain), 2021, 96, 61-66.	0.2	0
46	Linear multiâ€vector modelâ€based predictive control for grid side converters of renewable power plants under severe grid disturbances. IET Renewable Power Generation, 2021, 15, 964-979.	3.1	0
47	Brushless Doubly-Fed Asynchronous Generator Model for Variable Speed Wind Generation Systems. Renewable Energy and Power Quality Journal, 2005, 1, 320-327.	0.2	0
48	The Evolution from Electric Grid to Smart Grid. Advances in Data Mining and Database Management Book Series, 2014, , 259-281.	0.5	0
49	CYBER SECURITY IN INFRASTRUCTURES. APPLICATION TO THE COMPONENTS OF A SMART GRID. Dyna (Spain), 2019, 94, 518-522.	0.2	0