

Marcos Blanco

List of Publications by Year in descending order

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36
papers

340
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932766

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940134

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all docs

36
docs citations

36
times ranked

308
citing authors

#	ARTICLE	IF	CITATIONS
1	Grid Integration of Wave Energy Devices. <i>Ocean Engineering & Oceanography</i> , 2022, , 533-578.	0.1	1
2	Recent Advances in Direct-Drive Power Take-Off (DDPTO) Systems for Wave Energy Converters Based on Switched Reluctance Machines (SRM). <i>Ocean Engineering & Oceanography</i> , 2022, , 487-532.	0.1	4
3	Concept Design of a Novel Superconducting PTO Actuator for Wave Energy Extraction. <i>IEEE Transactions on Applied Superconductivity</i> , 2022, 32, 1-5.	1.1	3
4	Comparison and Influence of Flywheels Energy Storage System Control Schemes in the Frequency Regulation of Isolated Power Systems. <i>IEEE Access</i> , 2022, 10, 37892-37911.	2.6	16
5	Meta-heuristic optimisation approach for wave energy converter design by means of a stochastic hydrodynamic model. <i>IET Renewable Power Generation</i> , 2021, 15, 548-561.	1.7	1
6	Dimensioning Methodology of an Energy Storage System Based on Supercapacitors for Grid Code Compliance of a Wave Power Plant. <i>Energies</i> , 2021, 14, 985.	1.6	7
7	Asymmetrical Rotor Skewing Optimization in Switched Reluctance Machines Using Differential Evolutionary Algorithm. <i>Energies</i> , 2021, 14, 3194.	1.6	7
8	Present and Future of Supercapacitor Technology Applied to Powertrains, Renewable Generation and Grid Connection Applications. <i>Energies</i> , 2021, 14, 3060.	1.6	47
9	Battery Energy Storage System Dimensioning for Reducing the Fixed Term of the Electricity Access Rate in Industrial Consumptions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7395.	1.3	4
10	Dual multivector model predictive control for the power converters of a floating OWC WEC. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 133, 107263.	3.3	4
11	Design and Testing of a Modular Back-to-Back Power Electronics Converter for Wave Energy Harvesting. , 2021, , .		0
12	Dimensioning Methodology of Energy Storage Systems for Power Smoothing in a Wave Energy Conversion Plant Considering Efficiency Maps and Filtering Control Techniques. <i>Energies</i> , 2020, 13, 3380.	1.6	7
13	Power Supply Solution for Ultrahigh Speed Hyperloop Trains. <i>Smart Cities</i> , 2020, 3, 642-656.	5.5	12
14	New Type of Linear Switched Reluctance Generator for Wave Energy Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2020, , 1-1.	1.1	8
15	Development and Experimental Validation of a Supercapacitor Frequency Domain Model for Industrial Energy Applications Considering Dynamic Behaviour at High Frequencies. <i>Energies</i> , 2020, 13, 1156.	1.6	17
16	Energy Storage Systems for Power Supply of Ultrahigh Speed Hyperloop Trains. <i>Communications in Computer and Information Science</i> , 2020, , 244-255.	0.4	1
17	Robust control of a floating OWC WEC under open-switch fault condition in one or in both VSCs. <i>IET Renewable Power Generation</i> , 2020, 14, 2538-2549.	1.7	6
18	Design and Control of a Modular Power Electronic Back-to-Back Converter for Wave Energy Harvesting Applications. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	Dimensioning of Point Absorbers for Wave Energy Conversion by Means of Differential Evolutionary Algorithms. IEEE Transactions on Sustainable Energy, 2019, 10, 1076-1085.	5.9	18
20	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.	1.7	5
21	Wave farms grid code compliance in isolated small power systems. IET Renewable Power Generation, 2019, 13, 171-179.	1.7	11
22	Fast Energy Storage Systems Comparison in Terms of Energy Efficiency for a Specific Application. IEEE Access, 2018, 6, 40656-40672.	2.6	24
23	Dimensioning methodology for energy storage devices and wave energy converters supplying isolated loads. IET Renewable Power Generation, 2016, 10, 1468-1476.	1.7	10
24	Design methodology of a high speed switched reluctance generator drive for aircrafts. , 2016, , .		8
25	Design Parameters Analysis of Point Absorber WEC via an evolutionary-algorithm-based Dimensioning Tool. Energies, 2015, 8, 11203-11233.	1.6	21
26	Multifunctional test bench for the emulation and testing of electric vehicle fast-charging from urban railway power lines. , 2015, , .		5
27	Educational Project for the Teaching of Control of Electric Traction Drives. Energies, 2015, 8, 921-938.	1.6	10
28	Emulation of an OWC Ocean Energy Plant With PMSG and Irregular Wave Model. IEEE Transactions on Sustainable Energy, 2015, 6, 1515-1523.	5.9	27
29	Power smoothing system for wave energy converters by means of a supercapacitor-based energy storage system. , 2015, , .		8
30	Development of a laboratory test bench for the emulation of wave energy converters. , 2015, , .		3
31	Laboratory tests before sea trials of a wave energy converter. , 2015, , .		0
32	Technology description and characterization of a low-cost flywheel for energy management in microgrids. , 2015, , .		5
33	Wave energy converter dimensioning constrained by location, power take-off and control strategy. , 2012, , .		4
34	Energy Management in solar photovoltaic plants based on ESS. , 2008, , .		19
35	Passenger Exposure to Magnetic Fields in Electric Vehicles. , 0, , .		6
36	Switched Reluctance Drives with Degraded Mode for Electric Vehicles. , 0, , .		10