Miguel Santos-HerrÃ¡n

List of Publications by Year
in descending order

13 papers	149 citations	1477746 6 h-index	1199166 12 g-index
13 all docs	13 docs citations	13 times ranked	137 citing authors

#	Article	IF	Citations
1	Present and Future of Supercapacitor Technology Applied to Powertrains, Renewable Generation and Grid Connection Applications. Energies, 2021, 14, 3060.	1.6	47
2	Advances in the development of dielectric elastomer generators for wave energy conversion. Renewable and Sustainable Energy Reviews, 2020, 117, 109430.	8.2	38
3	Development and Experimental Validation of a Supercapacitor Frequency Domain Model for Industrial Energy Applications Considering Dynamic Behaviour at High Frequencies. Energies, 2020, 13, 1156.	1.6	17
4	Power Supply Solution for Ultrahigh Speed Hyperloop Trains. Smart Cities, 2020, 3, 642-656.	5.5	12
5	Dimensioning Methodology of Energy Storage Systems for Power Smoothing in a Wave Energy Conversion Plant Considering Efficiency Maps and Filtering Control Techniques. Energies, 2020, 13, 3380.	1.6	7
6	Dimensioning Methodology of an Energy Storage System Based on Supercapacitors for Grid Code Compliance of a Wave Power Plant. Energies, 2021, 14, 985.	1.6	7
7	Asymmetrical Rotor Skewing Optimization in Switched Reluctance Machines Using Differential Evolutionary Algorithm. Energies, 2021, 14, 3194.	1.6	7
8	Battery Energy Storage System Dimensioning for Reducing the Fixed Term of the Electricity Access Rate in Industrial Consumptions. Applied Sciences (Switzerland), 2021, 11, 7395.	1.3	4
9	Recent Advances in Direct-Drive Power Take-Off (DDPTO) Systems for Wave Energy Converters Based on Switched Reluctance Machines (SRM). Ocean Engineering & Oceanography, 2022, , 487-532.	0.1	4
10	Concept Design of a Novel Superconducting PTO Actuator for Wave Energy Extraction. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	3
11	Metaâ€heuristic optimisation approach for wave energy converter design by means of a stochastic hydrodynamic model. IET Renewable Power Generation, 2021, 15, 548-561.	1.7	1
12	Grid Integration of Wave Energy Devices. Ocean Engineering & Oceanography, 2022, , 533-578.	0.1	1
13	Design and Control of a Modular Power Electronic Back-to-Back Converter for Wave Energy Harvesting Applications. , 2020, , .		1