

Helena Martin

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Direct Power Sliding-Mode Control for Islanded AC Microgrids. IEEE Transactions on Industrial Electronics, 2022, 69, 9700-9710.	7.9	15
2	23 Years of Development of the Solar Power Generation Sector in Spain: A Comprehensive Review of the Period 1998â€“2020 from a Regulatory Perspective. Energies, 2022, 15, 1593.	3.1	4
3	Optimization Models under Uncertainty in Distributed Generation Systems: A Review. Energies, 2022, 15, 1932.	3.1	11
4	Methodology for obtaining simplified models for the long-term energy management of renewable assets under a high degree of uncertainty. Energy Reports, 2022, 8, 5764-5792.	5.1	1
5	Individual vs. Community: Economic Assessment of Energy Management Systems under Different Regulatory Frameworks. Energies, 2021, 14, 676.	3.1	8
6	MONTE-CARLO probabilistic valuation of concentrated solar power systems in Spain under the 2014 retroactive regulatory framework. Renewable and Sustainable Energy Reviews, 2021, 138, 110670.	16.4	5
7	Analysis of the Net Metering Schemes for PV Self-Consumption in Denmark. Energies, 2021, 14, 1990.	3.1	6
8	SOGI-FLL Grid Frequency Monitoring with an Error-Based Algorithm for a Better Response in Face of Voltage Sag and Swell Faults. Electronics (Switzerland), 2021, 10, 1414.	3.1	7
9	A New THD Measurement Method With Small Computational Burden Using a SOGI-FLL Grid Monitoring System. IEEE Transactions on Power Electronics, 2020, 35, 5797-5811.	7.9	25
10	Renewable Energy Auction Prices: Near Subsidy-Free?. Energies, 2020, 13, 3383.	3.1	12
11	HIL-Assessed Fast and Accurate Single-Phase Power Calculation Algorithm for Voltage Source Inverters Supplying to High Total Demand Distortion Nonlinear Loads. Electronics (Switzerland), 2020, 9, 1643.	3.1	10
12	A Comprehensive Model for the Design of a Microgrid under Regulatory Constraints Using Synthetical Data Generation and Stochastic Optimization. Energies, 2020, 13, 5590.	3.1	6
13	Impact of Different Regulatory Structures on the Management of Energy Communities. Energies, 2020, 13, 2892.	3.1	13
14	New SOGI-FLL Grid Frequency Monitoring with a Finite State Machine Approach for Better Response in the Face of Voltage Sag and Swell Faults. Electronics (Switzerland), 2020, 9, 612.	3.1	3
15	Regulatory-framework-embedded energy management system for microgrids: The case study of the Spanish self-consumption scheme. Applied Energy, 2019, 251, 113374.	10.1	14
16	A Power Calculation Algorithm for Single-Phase Droop-Operated-Inverters Considering Linear and Nonlinear Loads HIL-Assessed. Electronics (Switzerland), 2019, 8, 1366.	3.1	10
17	Assessing the 2014 retroactive regulatory framework applied to the concentrating solar power systems in Spain. Applied Energy, 2018, 212, 1377-1399.	10.1	7
18	Variable Structure Control in Natural Frame for Three-Phase Grid-Connected Inverters With LCL Filter. IEEE Transactions on Power Electronics, 2018, 33, 4512-4522.	7.9	43

#	ARTICLE	IF	CITATIONS
19	A Family of Gradient Descent Grid Frequency Estimators for the SOGI Filter. IEEE Transactions on Power Electronics, 2018, 33, 5796-5810.	7.9	72
20	Power Calculation Algorithm for Single-Phase. Renewable Energy and Power Quality Journal, 2018, 1, 19-24.	0.2	0
21	Evaluating the 2014 retroactive regulatory framework applied to the grid connected PV systems in Spain. Applied Energy, 2016, 170, 329-344.	10.1	27
22	Promotion of concentrating solar thermal power (CSP) in Spain: Performance analysis of the period 1998â€“2013. Renewable and Sustainable Energy Reviews, 2015, 50, 1052-1068.	16.4	35
23	Contribution to the PV-to-inverter sizing ratio determination using a custom flexible experimental setup. Applied Energy, 2015, 149, 35-45.	10.1	39
24	Evaluating the approach to reduce the overrun cost of grid connected PV systems for the Spanish electricity sector: Performance analysis of the period 2010â€“2012. Applied Energy, 2014, 121, 159-173.	10.1	19
25	Evaluating the new control structure for the promotion of grid connected photovoltaic systems in Spain: Performance analysis of the period 2008â€“2010. Renewable and Sustainable Energy Reviews, 2013, 19, 541-554.	16.4	15
26	Evaluating the impact of the administrative procedure and the landscape policy on grid connected PV systems (GCPVS) on-floor in Spain in the period 2004â€“2008: To which extent a limiting factor?. Energy Policy, 2013, 63, 147-167.	8.8	10
27	Comments on â€œEconomic analysis of different supporting policies for the production of electrical energy by solar photovoltaics in western European Union countriesâ€“by Luigi Dusonchet and Enrico Telaretti. Energy Policy, 2012, 48, 846-849.	8.8	4
28	Study of Reduced-order Models of Squirrel-cage Induction Motors. Electric Power Components and Systems, 2011, 39, 1542-1562.	1.8	5
29	Promotion of grid-connected photovoltaic systems in Spain: Performance analysis of the period 1998â€“2008. Renewable and Sustainable Energy Reviews, 2010, 14, 2547-2563.	16.4	27
30	Hierarchical control of power plants with microgrid operation. , 2010, , .		1
31	Voltage Waveforms Comparison for Different PWM Modulation Strategies. Renewable Energy and Power Quality Journal, 2004, 1, 258-261.	0.2	0
32	Proposal of Novel Single-Phase Power Quality Indicators considering subsynchronous frequency perturbations in Voltage and Current under non-sinusoidal conditions. Renewable Energy and Power Quality Journal, 0, 17, 530-535.	0.2	0
33	Assessment of the Royal Decree 244/2019 in the Spanish Electrical Regulatory Framework Considering Power Quality Issues related to Harmonic Distortion associated to Nonlinear loads in Grid-connected Microgrids. Renewable Energy and Power Quality Journal, 0, 18, 689-693.	0.2	0