

# Isabel M Moreno Garcia

## List of Publications by Year in descending order

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39  
papers

421  
citations

840119

11  
h-index

794141

19  
g-index

42  
all docs

42  
docs citations

42  
times ranked

600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of photovoltaic cell temperature losses: A review and a practice case in South Spain. Renewable and Sustainable Energy Reviews, 2018, 90, 70-89.	8.2	55
2	Real-Time Monitoring System for a Utility-Scale Photovoltaic Power Plant. Sensors, 2016, 16, 770.	2.1	52
3	Embedding Synchronized Measurement Technology for Smart Grid Development. IEEE Transactions on Industrial Informatics, 2013, 9, 52-61.	7.2	42
4	Streetlight Control System Based on Wireless Communication over DALI Protocol. Sensors, 2016, 16, 597.	2.1	35
5	A novel backtracking approach for two-axis solar PV tracking plants. Renewable Energy, 2020, 145, 1214-1221.	4.3	26
6	A stochastic modelling and simulation approach to heating and cooling electricity consumption in the residential sector. Energy, 2018, 144, 1080-1091.	4.5	24
7	Influence of the design variables of photovoltaic plants with two-axis solar tracking on the optimization of the tracking and backtracking trajectory. Solar Energy, 2020, 208, 89-100.	2.9	24
8	PV Hosting Capacity Analysis and Enhancement Using High Resolution Stochastic Modeling. Energies, 2017, 10, 1488.	1.6	20
9	Development and application of a smart grid test bench. Journal of Cleaner Production, 2017, 162, 45-60.	4.6	13
10	Microgrids Power Quality Enhancement Using Model Predictive Control. Electronics (Switzerland), 2021, 10, 328.	1.8	13
11	Graphical Diagnosis of Performances in Photovoltaic Systems: A Case Study in Southern Spain. Energies, 2017, 10, 1964.	1.6	11
12	An Embedded System in Smart Inverters for Power Quality and Safety Functionality. Energies, 2016, 9, 219.	1.6	8
13	Novel Segmentation Technique for Measured Three-Phase Voltage Dips. Energies, 2015, 8, 8319-8338.	1.6	7
14	Modeling human activity in Spain for different economic sectors: The potential link between occupancy and energy usage. Journal of Cleaner Production, 2018, 183, 1093-1109.	4.6	7
15	Design of an Intelligent Electronic Device to control a private microgrid. , 2012, , .		6
16	Implementation of a real time monitoring system for a grid-connected PV park. , 2015, , .		6
17	Synchrophasor integration in IEC 61850 standard for SmartGrid and synchronism with PTP-base system. , 2011, , .		5
18	Analysis of the Influence of Terrain Orientation on the Design of PV Facilities with Single-Axis Trackers. Applied Sciences (Switzerland), 2020, 10, 8531.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Deterministic Ethernet synchronism with PTP-base system for synchrophasor in Smart Grid. , 2011, , .		4
20	Intelligent electronic device for Smart Grid: Statistical approach applied to event detection. , 2012, , .		4
21	IEC 61850 GOOSE transfer time measurement in development stage. , 2013, , .		4
22	Performance monitoring of a solar photovoltaic power plant using an advanced real-time system. , 2016, , .		4
23	Educational platform for reliability assessment of power quality. , 2018, , .		4
24	Platform for Embedded Systems Design in the Smart Grid Framework. Advances in Intelligent and Soft Computing, 2012, , 593-600.	0.2	4
25	Synchronism with Software-Based IEEE 1588&#x2013;2008 for Smart Grid. , 2011, , .		3
26	Causal and Anti-Causal Segmentation of Voltage Dips in Power Distribution Networks. IEEE Latin America Transactions, 2016, 14, 3080-3086.	1.2	3
27	Smart community load matching using stochastic demand modeling and historical production data. , 2016, , .		3
28	Digitization of an Electronic Instrumentation Laboratory Practice: Measurement of an LDR with Arduino. , 2021, , .		3
29	A experimental IEEE1588-BASED system for synchronized phasor measurement in electric substation. , 2010, , .		2
30	Smart Grid Inverter Interface: Statistical approach applied to event detection. , 2012, , .		2
31	Implementation of an Educational Platform on Power Quality. , 2018, , .		2
32	Implementation of a Smart Grid Inverter through Embedded Systems. Elektronika Ir Elektrotechnika, 2013, 19, .	0.4	2
33	Influence of photovoltaic installation angles and geographical dispersion in the smoothing of photovoltaic fleet power fluctuations. , 2016, , .		1
34	An Approach for the Solar Energy Assessment using Weather Medium-Range Forecasting. , 2019, , .		1
35	Study of the Dependence of Solar Radiation Regarding Design Variables in Photovoltaic Solar Installations with Optimal Dual-Axis Tracking. Applied Sciences (Switzerland), 2021, 11, 3917.	1.3	1
36	Monitoring of Energy Data with Seamless Temporal Accuracy Based on the Time-Sensitive Networking Standard and Enhanced ÂµPMUs. Applied Sciences (Switzerland), 2021, 11, 9126.	1.3	1

#	ARTICLE	IF	CITATIONS
37	Electromagnetic compatibility test system. , 2011, , .		0
38	Appliances in the residential sector: Economic impact of harmonic losses. , 2017, , .		0
39	A new methodology to prevent shadows in two-axis solar tracking plants. , 2019, , .		0