Luis M FernÃ¡ndez-Ahumada

List of Publications by Year
in descending order

14 papers	203 citations	1306789 7 h-index	1281420 11 g-index
14 all docs	14 docs citations	14 times ranked	161 citing authors

#	Article	IF	Citations
1	Design and analysis of a tracking / backtracking strategy for PV plants with horizontal trackers after their conversion to agrivoltaic plants. Renewable Energy, 2022, 187, 537-550.	4.3	24
2	New Omnidirectional Sensor Based on Open-Source Software and Hardware for Tracking and Backtracking of Dual-Axis Solar Trackers in Photovoltaic Plants. Sensors, 2021, 21, 726.	2.1	5
3	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
4	Simulation of Self-Consumption Photovoltaic Installations: Profitability Thresholds. Applied Sciences (Switzerland), 2021, 11, 6517.	1.3	4
5	A novel backtracking approach for two-axis solar PV tracking plants. Renewable Energy, 2020, 145, 1214-1221.	4.3	26
6	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
7	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
8	Monitoring of Temperature in Retail Refrigerated Cabinets Applying IoT Over Open-Source Hardware and Software. Sensors, 2020, 20, 846.	2.1	26
9	An Approach for the Solar Energy Assessment using Weather Medium-Range Forecasting. , 2019, , .		1
10	A new methodology to prevent shadows in two-axis solar tracking plants. , 2019, , .		0
11	Proposal for the Design of Monitoring and Operating Irrigation Networks Based on IoT, Cloud Computing and Free Hardware Technologies. Sensors, 2019, 19, 2318.	2.1	49
12	A Methodology for Buildings Access to Solar Radiation in Sustainable Cities. Sustainability, 2019, 11, 6596.	1.6	9
13	Mathematical study of the movement of solar tracking systems based on rational models. Solar Energy, 2017, 150, 20-29.	2.9	29
14	OP0238â€...Measurement of spinal mobility in axial spondyloarthritis using inertial sensors: reliability and validation preliminary results. , 2017, , .		0