

# Luis M Fernández-Ahumada

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3523013/publications.pdf>

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14  
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times ranked

161  
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#	ARTICLE	IF	CITATIONS
1	Proposal for the Design of Monitoring and Operating Irrigation Networks Based on IoT, Cloud Computing and Free Hardware Technologies. <i>Sensors</i> , 2019, 19, 2318.	2.1	49
2	Mathematical study of the movement of solar tracking systems based on rational models. <i>Solar Energy</i> , 2017, 150, 20-29.	2.9	29
3	A novel backtracking approach for two-axis solar PV tracking plants. <i>Renewable Energy</i> , 2020, 145, 1214-1221.	4.3	26
4	Monitoring of Temperature in Retail Refrigerated Cabinets Applying IoT Over Open-Source Hardware and Software. <i>Sensors</i> , 2020, 20, 846.	2.1	26
5	Influence of the design variables of photovoltaic plants with two-axis solar tracking on the optimization of the tracking and backtracking trajectory. <i>Solar Energy</i> , 2020, 208, 89-100.	2.9	24
6	Design and analysis of a tracking / backtracking strategy for PV plants with horizontal trackers after their conversion to agrivoltaic plants. <i>Renewable Energy</i> , 2022, 187, 537-550.	4.3	24
7	A Methodology for Buildings Access to Solar Radiation in Sustainable Cities. <i>Sustainability</i> , 2019, 11, 6596.	1.6	9
8	Analysis of the Influence of Terrain Orientation on the Design of PV Facilities with Single-Axis Trackers. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8531.	1.3	5
9	New Omnidirectional Sensor Based on Open-Source Software and Hardware for Tracking and Backtracking of Dual-Axis Solar Trackers in Photovoltaic Plants. <i>Sensors</i> , 2021, 21, 726.	2.1	5
10	Simulation of Self-Consumption Photovoltaic Installations: Profitability Thresholds. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6517.	1.3	4
11	An Approach for the Solar Energy Assessment using Weather Medium-Range Forecasting. , 2019, , .		1
12	Study of the Dependence of Solar Radiation Regarding Design Variables in Photovoltaic Solar Installations with Optimal Dual-Axis Tracking. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3917.	1.3	1
13	OP0238â€¦Measurement of spinal mobility in axial spondyloarthritis using inertial sensors: reliability and validation preliminary results. , 2017, , .		0
14	A new methodology to prevent shadows in two-axis solar tracking plants. , 2019, , .		0