Nuria MartÃ-n-Chivelet

List of Publications by Year
in descending order

31 papers	873 citations	566801 15 h-index	525886 27 g-index
32 all docs	32 docs citations	32 times ranked	871 citing authors

#	Article	IF	Citations
1	Soiling forecasting of solar plants: A combined heuristic approach and autoregressive model. Energy, 2022, 239, 122442.	4.5	8
2	Assessment of PV Module Temperature Models for Building-Integrated Photovoltaics (BIPV). Sustainability, 2022, 14, 1500.	1.6	13
3	Soiling loss characterization for Photovoltaics in buildings: A systematic analysis for the Madrid region. Journal of Cleaner Production, 2022, 332, 130041.	4.6	4
4	BIPV Modeling with Artificial Neural Networks: Towards a BIPV Digital Twin. Energies, 2022, 15, 4173.	1.6	3
5	Design of a Low-Cost Multiplexer for the Study of the Impact of Soiling on PV Panel Performance. Energies, 2021, 14, 4186.	1.6	2
6	Photovoltaic generation on vertical façades in urban context from open satellite-derived solar resource data. Solar Energy, 2021, 224, 1396-1405.	2.9	9
7	Modeling soiling losses for rooftop PV systems in suburban areas with nearby forest in Madrid. Renewable Energy, 2021, 178, 420-428.	4.3	16
8	Typical Meteorological Year methodologies applied to solar spectral irradiance for PV applications. Energy, 2020, 190, 116453.	4.5	15
9	Influence of Pollen on Solar Photovoltaic Energy: Literature Review and Experimental Testing with Pollen. Applied Sciences (Switzerland), 2020, 10, 4733.	1.3	12
10	Economic Effect of Dust Particles on Photovoltaic Plant Production. Energies, 2020, 13, 6376.	1.6	22
11	Modeling I-V curves of photovoltaic modules at indoor and outdoor conditions by using the Lambert function. Energy Conversion and Management, 2019, 195, 1004-1011.	4.4	12
12	Modeling temperature and thermal transmittance of building integrated photovoltaic modules. Solar Energy, 2019, 184, 153-161.	2.9	35
13	Characterization of PV Soiling Losses in Urban Mediterranean Environment. , 2019, , .		2
14	Relevance Analysis of Atmospheric Variables in the Production of an Experimental PV Power Plant Considering Dust Deposition in the Mediterranean Coast. , 2019, , .		0
15	Effect of Cloudiness on Solar Radiation Forecasting. , 2019, , .		0
16	Measurement and Experimental Testing of Models for the Estimation of HourlySolar Radiation on Vertical Surfaces at Mexico City. International Journal of Engineering and Technology(UAE), 2018, 7, 129.	0.2	0
17	Building Retrofit with Photovoltaics: Construction and Performance of a BIPV Ventilated Façade. Energies, 2018, 11, 1719.	1.6	39
18	Comparative Performance of Semi-Transparent PV Modules and Electrochromic Windows for Improving Energy Efficiency in Buildings. Energies, 2018, 11, 1526.	1.6	26

#	Article	IF	Citations
19	Optimizing photovoltaic self-consumption in office buildings. Energy and Buildings, 2017, 150, 71-80.	3.1	40
20	Photovoltaic potential and land-use estimation methodology. Energy, 2016, 94, 233-242.	4.5	82
21	Luminous and solar characterization of PV modules for building integration. Energy and Buildings, 2015, 103, 326-337.	3.1	19
22	Energy saving potential of semi-transparent photovoltaic elements for building integration. Energy, 2014, 76, 572-583.	4.5	84
23	Comparison of conventional and accelerated lifetime testing of fluorescent lamps. Lighting Research and Technology, 2010, 42, 243-259.	1.2	7
24	Prediction of fluorescent lamp lifetimes with accelerated testing. Lighting Research and Technology, 2010, 42, 467-478.	1.2	3
25	Effects of electronic ballasts in fluorescent lamp lifetime. , 2009, , .		3
26	Lifetime prediction of fluorescent lamps used in photovoltaic systems. Lighting Research and Technology, 2009, 41, 183-197.	1.2	4
27	Optical performance analysis of V-trough PV concentrators. Progress in Photovoltaics: Research and Applications, 2008, 16, 339-348.	4.4	11
28	Annual angular reflection losses in PV modules. Progress in Photovoltaics: Research and Applications, 2005, 13, 75-84.	4.4	68
29	A new model for PV modules angular losses under field conditions. International Journal of Solar Energy, 2002, 22, 19-31.	0.2	24
30	Calculation of the PV modules angular losses under field conditions by means of an analytical model. Solar Energy Materials and Solar Cells, 2001, 70, 25-38.	3.0	249
31	A new method for the spectral characterisation of PV modules. Progress in Photovoltaics: Research and Applications, 1999, 7, 299-310.	4.4	45