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	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
2	Energy saving potential of semi-transparent photovoltaic elements for building integration. Energy, 2014, 76, 572-583.	4.5	84
3	Photovoltaic potential and land-use estimation methodology. Energy, 2016, 94, 233-242.	4.5	82
4	Annual angular reflection losses in PV modules. Progress in Photovoltaics: Research and Applications, 2005, 13, 75-84.	4.4	68
5	A new method for the spectral characterisation of PV modules. Progress in Photovoltaics: Research and Applications, 1999, 7, 299-310.	4.4	45
6	Optimizing photovoltaic self-consumption in office buildings. Energy and Buildings, 2017, 150, 71-80.	3.1	40
7	Building Retrofit with Photovoltaics: Construction and Performance of a BIPV Ventilated Façade. Energies, 2018, 11, 1719.	1.6	39
8	Modeling temperature and thermal transmittance of building integrated photovoltaic modules. Solar Energy, 2019, 184, 153-161.	2.9	35
9	Comparative Performance of Semi-Transparent PV Modules and Electrochromic Windows for Improving Energy Efficiency in Buildings. Energies, 2018, 11, 1526.	1.6	26
10	A new model for PV modules angular losses under field conditions. International Journal of Solar Energy, 2002, 22, 19-31.	0.2	24
11	Economic Effect of Dust Particles on Photovoltaic Plant Production. Energies, 2020, 13, 6376.	1.6	22
12	Luminous and solar characterization of PV modules for building integration. Energy and Buildings, 2015, 103, 326-337.	3.1	19
13	Modeling soiling losses for rooftop PV systems in suburban areas with nearby forest in Madrid. Renewable Energy, 2021, 178, 420-428.	4.3	16
14	Typical Meteorological Year methodologies applied to solar spectral irradiance for PV applications. Energy, 2020, 190, 116453.	4.5	15
15	Assessment of PV Module Temperature Models for Building-Integrated Photovoltaics (BIPV). Sustainability, 2022, 14, 1500.	1.6	13
16	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
17	Influence of Pollen on Solar Photovoltaic Energy: Literature Review and Experimental Testing with Pollen. Applied Sciences (Switzerland), 2020, 10, 4733.	1.3	12
18	Optical performance analysis of V-trough PV concentrators. Progress in Photovoltaics: Research and Applications, 2008, 16, 339-348.	4.4	11

#	Article	IF	Citations
19	Photovoltaic generation on vertical faÃ§ades in urban context from open satellite-derived solar resource data. Solar Energy, 2021, 224, 1396-1405.	2.9	9
20	Soiling forecasting of solar plants: A combined heuristic approach and autoregressive model. Energy, 2022, 239, 122442.	4.5	8
21	Comparison of conventional and accelerated lifetime testing of fluorescent lamps. Lighting Research and Technology, 2010, 42, 243-259.	1.2	7
22	Lifetime prediction of fluorescent lamps used in photovoltaic systems. Lighting Research and Technology, 2009, 41, 183-197.	1.2	4
23	Soiling loss characterization for Photovoltaics in buildings: A systematic analysis for the Madrid region. Journal of Cleaner Production, 2022, 332, 130041.	4.6	4
24	Effects of electronic ballasts in fluorescent lamp lifetime. , 2009, , .		3
25	Prediction of fluorescent lamp lifetimes with accelerated testing. Lighting Research and Technology, 2010, 42, 467-478.	1.2	3
26	BIPV Modeling with Artificial Neural Networks: Towards a BIPV Digital Twin. Energies, 2022, 15, 4173.	1.6	3
27	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
28	Characterization of PV Soiling Losses in Urban Mediterranean Environment. , 2019, , .		2
29	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
30	Relevance Analysis of Atmospheric Variables in the Production of an Experimental PV Power Plant Considering Dust Deposition in the Mediterranean Coast. , 2019, , .		0
31	Effect of Cloudiness on Solar Radiation Forecasting. , 2019, , .		0