Luis MartÃn-Pomares

List of Publications by Year
in descending order

21 papers	1,404 citations	471061 17 h-index	752256 20 g-index
21 all docs	21 docs citations	21 times ranked	1451 citing authors

#	Article	IF	Citations
1	Multi-year field assessment of seasonal variability of photovoltaic soiling and environmental factors in a desert environment. Solar Energy, 2020, 211, 1392-1402.	2.9	27
2	UV Index Forecasting under the Influence of Desert Dust: Evaluation against Surface and Satellite-Retrieved Data. Atmosphere, 2020, 11, 96.	1.0	16
3	Using fuzzy MCDM technique to find the best location in Qatar for exploiting wind and solar energy to generate hydrogen and electricity. International Journal of Hydrogen Energy, 2020, 45, 13862-13875.	3.8	98
4	Benchmarking on improvement and site-adaptation techniques for modeled solar radiation datasets. Solar Energy, 2020, 201, 469-479.	2.9	42
5	Feasibility study on the provision of electricity and hydrogen for domestic purposes in the south of Iran using grid-connected renewable energy plants. Energy Strategy Reviews, 2019, 23, 23-32.	3.3	76
6	Simulating global horizontal irradiance in the Arabian Peninsula: Sensitivity to explicit treatment of aerosols. Solar Energy, 2018, 163, 347-355.	2.9	18
7	Improved quality control protocols on solar radiation measurements. Solar Energy, 2018, 169, 425-433.	2.9	11
8	Analysis of the long-term solar potential for electricity generation in Qatar. Renewable and Sustainable Energy Reviews, 2017, 73, 1231-1246.	8.2	58
9	A through analysis of solar irradiation measurements in the region of Arica Parinacota, Chile. Renewable Energy, 2017, 112, 197-208.	4.3	17
10	Preliminary survey on site-adaptation techniques for satellite-derived and reanalysis solar radiation datasets. Solar Energy, 2016, 132, 25-37.	2.9	136
11	An adaptive multi-modeling approach to solar nowcasting. Solar Energy, 2016, 125, 77-85.	2.9	29
12	Nowcasting of Solar Irradiance with Autorregressive Models in Qatar. , 2016, , .		0
13	Correcting satellite derived DNI with systematic and seasonal deviations: Application to India. Renewable Energy, 2015, 80, 238-243.	4.3	38
14	Comparison of numerical weather prediction solar irradiance forecasts in the US, Canada and Europe. Solar Energy, 2013, 94, 305-326.	2.9	282
15	Angular dependence of the albedo estimated in models for solar radiation derived from geostationary satellites. Solar Energy, 2013, 93, 256-266.	2.9	18
16	Revision of ground albedo estimation in Heliosat scheme for deriving solar radiation from SEVIRI HRV channel of Meteosat satellite. Solar Energy, 2012, 86, 275-282.	2.9	17
17	Solar radiation estimations over India using Meteosat satellite images. Solar Energy, 2011, 85, 2395-2406.	2.9	50
18	Prediction of global solar irradiance based on time series analysis: Application to solar thermal power plants energy production planning. Solar Energy, 2010, 84, 1772-1781.	2.9	261

#	Article	IF	Citations
19	Analysis of different comparison parameters applied to solar radiation data from satellite and German radiometric stations. Solar Energy, 2009, 83, 118-125.	2.9	111
20	A new statistical approach for deriving global solar radiation from satellite images. Solar Energy, 2009, 83, 480-484.	2.9	65
21	Estimation of daily Linke turbidity factor by using global irradiance measurements at solar noon. Solar Energy, 2009, 83, 1177-1185.	2.9	34