Almudena Garcia Gorostiaga

List of Publications by Year
in descending order

19 papers	1,427 citations	686830 13 h-index	794141 19 g-index
19 all docs	19 docs citations	19 times ranked	1509 citing authors

#	Article	IF	Citations
1	Forecast of hourly average wind speed with ARMA models in Navarre (Spain). Solar Energy, 2005, 79, 65-77.	2.9	549
2	Selecting a suitable model for characterizing photovoltaic devices. Renewable Energy, 2002, 25, 371-380.	4.3	286
3	Fitting wind speed distributions: a case study. Solar Energy, 1998, 62, 139-144.	2.9	229
4	Comparative study of various models in estimating hourly diffuse solar irradiance. Renewable Energy, 2010, 35, 1325-1332.	4.3	73
5	Dielectric properties of grape juice at 0.2 and 3 GHz. Journal of Food Engineering, 2001, 48, 203-211.	2.7	47
6	Development and testing of a prototype of low-power waterâ€Âammonia absorption equipment for solar energy applications. Renewable Energy, 2002, 25, 537-544.	4.3	42
7	Dielectric Characteristics of Grape Juice and Wine. Biosystems Engineering, 2004, 88, 343-349.	1.9	38
8	Sky luminance distribution in Pamplona (Spain) during the summer period. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 382-388.	0.6	24
9	Effects of the model selected for the power curve on the site effectiveness and the capacity factor of a pitch regulated wind turbine. Solar Energy, 2003, 74, 93-102.	2.9	22
10	A refrigeration facility for milk cooling powered by photovoltaic solar energy. Progress in Photovoltaics: Research and Applications, 2003, 11, 467-479.	4.4	22
11	Sky luminance distribution in the North of Iberian Peninsula during winter. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 1147-1154.	0.6	20
12	Characterization of wind speed data according to wind direction. Solar Energy, 1999, 66, 57-64.	2.9	19
13	Dynamic simulation and modelling of stand-alone PV systems by using state equations and numerical integration methods. Applied Energy, 2014, 135, 440-449.	5.1	19
14	Comparison of four luminance and radiance angular distribution models for radiance estimation. Solar Energy, 2011, 85, 2202-2216.	2.9	12
15	Characterisation of an Electric Motor Directly coupled to a Photovoltaic Solar Array in a Refrigeration Facility for Milk Cooling. Biosystems Engineering, 2006, 95, 461-471.	1.9	8
16	Calculation of the horizon brightness irradiance in the model of Perez using the unit-sphere method. Renewable Energy, 2008, 33, 149-154.	4.3	7
17	New equations for the calculation of the horizon brightness irradiance in the model of Perez. Solar Energy, 2006, 80, 746-750.	2.9	6
18	A study of zenith radiance in Pamplona under different sky conditions. Renewable Energy, 2010, 35, 830-838.	4.3	2

#	Article	IF	Citations
19	Synthetic generation of standard sky types series using Markov Transition Matrices. Renewable Energy, 2014, 62, 731-736.	4.3	2