Joaquin Tovar-Pescador

List of Publications by Year
in descending order

38	2,134	257357	360920
papers	citations	24	35
		h-index	g-index

39	39	39	2335
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rainfall-Induced Landslides and Erosion Processes in the Road Network of the Jaén Province (Southern Spain). Hydrology, 2021, 8, 100.	1.3	3
2	Short-term solar radiation forecasting by advecting and diffusing MSG cloud index. Solar Energy, 2017, 155, 1092-1103.	2.9	59
3	Assessing the Surface Solar Radiation Budget in the WRF Model: A Spatiotemporal Analysis of the Bias and Its Causes. Monthly Weather Review, 2016, 144, 703-711.	0.5	41
4	Closure to "One-Day-Ahead Streamflow Forecasting Using Artificial Neural Networks and a Meteorological Mesoscale Model" by Alvaro Linares-Rodriguez, Vicente Lara-Fanego, David Pozo-Vazquez, and Joaquin Tovar-Pescador. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	1
5	Macroscopic cloud properties in the WRF NWP model: An assessment using sky camera and ceilometer data. Journal of Geophysical Research D: Atmospheres, 2015, 120, 10,297.	1.2	16
6	Influence of land-use misrepresentation on the accuracy of WRF wind estimates: Evaluation of GLCC and CORINE land-use maps in southern Spain. Atmospheric Research, 2015, 157, 17-28.	1.8	46
7	One-Day-Ahead Streamflow Forecasting Using Artificial Neural Networks and a Meteorological Mesoscale Model. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	15
8	An advanced ANN-based method to estimate hourly solar radiation from multi-spectral MSG imagery. Solar Energy, 2015, 115, 494-504.	2.9	36
9	An evolutionary artificial neural network ensemble model for estimating hourly direct normal irradiances from meteosat imagery. Energy, 2015, 91, 264-273.	4.5	22
10	Combining wind farms with concentrating solar plants to provide stable renewable power. Renewable Energy, 2015, 76, 539-550.	4.3	98
11	Cloud-tracking methodology for intra-hour DNI forecasting. Solar Energy, 2014, 102, 267-275.	2.9	132
12	A methodology for evaluating the spatial variability of wind energy resources: Application to assess the potential contribution of wind energy to baseload power. Renewable Energy, 2014, 69, 147-156.	4.3	56
13	Analysis of WRF Model Wind Estimate Sensitivity to Physics Parameterization Choice and Terrain Representation in Andalusia (Southern Spain). Journal of Applied Meteorology and Climatology, 2013, 52, 1592-1609.	0.6	84
14	An artificial neural network ensemble model for estimating global solar radiation from Meteosat satellite images. Energy, 2013, 61, 636-645.	4.5	125
15	Evaluation of DNI forecast based on the WRF mesoscale atmospheric model for CPV applications. AIP Conference Proceedings, 2012, , .	0.3	20
16	Evaluation of the WRF model solar irradiance forecasts in Andalusia (southern Spain). Solar Energy, 2012, 86, 2200-2217.	2.9	209
17	A topographic geostatistical approach for mapping monthly mean values of daily global solar radiation: A case study in southern Spain. Agricultural and Forest Meteorology, 2011, 151, 1812-1822.	1.9	30
18	Generation of synthetic daily global solar radiation data based on ERA-Interim reanalysis and artificial neural networks. Energy, 2011, 36, 5356-5365.	4.5	82

#	Article	IF	Citations
19	A High-Resolution Topographic Correction Method for Clear-Sky Solar Irradiance Derived with a Numerical Weather Prediction Model. Journal of Applied Meteorology and Climatology, 2011, 50, 2460-2472.	0.6	42
20	Proposal of a regressive model for the hourly diffuse solar radiation under all sky conditions. Energy Conversion and Management, 2010, 51, 881-893.	4.4	117
21	Spatial disaggregation of satellite-derived irradiance using a high-resolution digital elevation model. Solar Energy, 2010, 84, 1644-1657.	2.9	62
22	A Study on the Balancing of the Wind and Solar Energy Resources in Andalusia (Southern Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		0
23	Forecasting Solar Irradiance Using NWP Models: An Evaluation Study in Andalusia (Southern Spain). , 2010, , .		1
24	A comparative study of ordinary and residual kriging techniques for mapping global solar radiation over southern Spain. Agricultural and Forest Meteorology, 2009, 149, 1343-1357.	1.9	118
25	A comparative analysis of DEMâ€based models to estimate the solar radiation in mountainous terrain. International Journal of Geographical Information Science, 2009, 23, 1049-1076.	2.2	92
26	A new simple parameterization of daily clear-sky global solar radiation including horizon effects. Energy Conversion and Management, 2007, 48, 226-233.	4.4	21
27	North Atlantic Winter SLP Anomalies Based on the Autumn ENSO State. Journal of Climate, 2005, 18, 97-103.	1.2	29
28	Selection of input parameters to model direct solar irradiance by using artificial neural networks. Energy, 2005, 30, 1675-1684.	4.5	133
29	El NiÃ±o-southern oscillation events and associated European winter precipitation anomalies. International Journal of Climatology, 2005, 25, 17-31.	1.5	85
30	The use of satellite measurements to estimate photosynthetically active radiation. Physics and Chemistry of the Earth, 2005, 30, 159-164.	1.2	21
31	NAO and solar radiation variability in the European North Atlantic region. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	52
32	Performance reduction of solar irradiance parametric models due to limitations in required aerosol data: case of the CPCR2 model. Theoretical and Applied Climatology, 2001, 69, 253-263.	1.3	12
33	Dependence of one-minute global irradiance probability density distributions on hourly irradiation. Energy, 2001, 26, 659-668.	4.5	23
34	Empirical modeling of hourly direct irradiance by means of hourly global irradiance. Energy, 2000, 25, 675-688.	4.5	84
35	Comparison of Cloudless Sky Parameterizations of Solar Irradianceat Various Spanish Midlatitude Locations. Theoretical and Applied Climatology, 2000, 66, 81-93.	1.3	51
36	A comparison of ground level solar radiative effects of recent volcanic eruptions. Atmospheric Environment, 1999, 33, 4589-4596.	1.9	20

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37	One-minute global irradiance probability density distributions conditioned to the optical air mass. Solar Energy, 1998, 62, 387-393.	2.9	72
38	Modelling the Statistical Properties of Solar Radiation and Proposal of a Technique Based on Boltzmann Statistics. , 0, , 55-91.		14