

# Christophe Paoli

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

2,925  
citations

394421

19  
h-index

552781

26  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2766  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning methods for solar radiation forecasting: A review. <i>Renewable Energy</i> , 2017, 105, 569-582.	8.9	1,141
2	Forecasting of preprocessed daily solar radiation time series using neural networks. <i>Solar Energy</i> , 2010, 84, 2146-2160.	6.1	384
3	Intermittent and stochastic character of renewable energy sources: Consequences, cost of intermittence and benefit of forecasting. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 87, 96-105.	16.4	270
4	Numerical weather prediction (NWP) and hybrid ARMA/ANN model to predict global radiation. <i>Energy</i> , 2012, 39, 341-355.	8.8	207
5	Optimization of an artificial neural network dedicated to the multivariate forecasting of daily global radiation. <i>Energy</i> , 2011, 36, 348-359.	8.8	141
6	Solar irradiation prediction with machine learning: Forecasting models selection method depending on weather variability. <i>Energy</i> , 2018, 165, 620-629.	8.8	109
7	Estimation of hourly global solar irradiation on tilted planes from horizontal one using artificial neural networks. <i>Energy</i> , 2012, 39, 166-179.	8.8	76
8	Estimation of 5-min time-step data of tilted solar global irradiation using ANN (Artificial Neural) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46.	8.8	73
9	Hybrid methodology for hourly global radiation forecasting in Mediterranean area. <i>Renewable Energy</i> , 2013, 53, 1-11.	8.9	66
10	Multi-horizon solar radiation forecasting for Mediterranean locations using time series models. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 28, 44-52.	16.4	66
11	Bayesian rules and stochastic models for high accuracy prediction of solar radiation. <i>Applied Energy</i> , 2014, 114, 218-226.	10.1	58
12	Neural network approach to estimate 10-min solar global irradiation values on tilted planes. <i>Renewable Energy</i> , 2013, 50, 576-584.	8.9	52
13	Hybridization of Air Quality Forecasting Models Using Machine Learning and Clustering: An Original Approach to Detect Pollutant Peaks. <i>Aerosol and Air Quality Research</i> , 2016, 16, 405-416.	2.1	38
14	Uncertainties in global radiation time series forecasting using machine learning: The multilayer perceptron case. <i>Energy</i> , 2017, 125, 248-257.	8.8	33
15	Time series modeling and large scale global solar radiation forecasting from geostationary satellites data. <i>Solar Energy</i> , 2014, 102, 131-142.	6.1	31
16	Twenty four hours ahead global irradiation forecasting using multi-layer perceptron. <i>Meteorological Applications</i> , 2014, 21, 644-655.	2.1	30
17	Solar Radiation Forecasting Using Ad-Hoc Time Series Preprocessing and Neural Networks. <i>Lecture Notes in Computer Science</i> , 2009, , 898-907.	1.3	29
18	Time series forecasting on multivariate solar radiation data using deep learning (LSTM). <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2020, 28, 211-223.	1.4	21

#	ARTICLE	IF	CITATIONS
19	Forecasting method for global radiation time series without training phase: Comparison with other well-known prediction methodologies. Energy, 2017, 120, 199-208.	8.8	20
20	Multilayer Perceptron approach for estimating 5-min and hourly horizontal global irradiation from exogenous meteorological data in locations without solar measurements. Renewable Energy, 2016, 90, 267-282.	8.9	19
21	Estimation of Tilted Solar Irradiation Using Artificial Neural Networks. Energy Procedia, 2013, 42, 33-42.	1.8	15
22	A Neural Network model forecasting for prediction of hourly ozone concentration in Corsica. , 2011, , .		14
23	Short-term solar irradiance and irradiation forecasts via different time series techniques: A preliminary study. , 2014, , .		7
24	Multi-horizon Irradiation Forecasting for Mediterranean Locations Using Time Series Models. Energy Procedia, 2014, 57, 1354-1363.	1.8	5
25	Numerical weather prediction or stochastic modelling: an objective criterion of choice for the global radiation forecasting. International Journal of Energy Technology and Policy, 2016, 12, 209.	0.2	5
26	Use of exogenous data to improve an Artificial Neural Networks dedicated to daily global radiation forecasting. , 2010, , .		4
27	On meteorological forecasts for energy management and large historical data: A first look. Renewable Energy and Power Quality Journal, 0, , 7-12.	0.2	4
28	Urban Ozone Concentration Forecasting with Artificial Neural Network in Corsica. Mathematical Modelling in Civil Engineering, 2014, 10, 29-37.	0.1	3
29	Time series modeling with pruned multi-layer perceptron and 2-stage damped least-squares method. Journal of Physics: Conference Series, 2014, 490, 012040.	0.4	2
30	Meteorological time series forecasting with pruned multi-layer perceptron and two-stage Levenberg-Marquardt method. International Journal of Modelling, Identification and Control, 2015, 23, 287.	0.2	1
31	Bounded global irradiation prediction based on multilayer perceptron and time series formalism. , 2017, , .		1
32	Participative and Multicriteria Localization of Wind Farm Projects in Corsica Island: Decision Aid Process and Result. , 2015, , 253-282.		0