

Marie-Laure Nivet

List of Publications by Year in descending order

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28
papers

2,933
citations

394421

19
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

2795
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	Some Applications of ANN to Solar Radiation Estimation and Forecasting for Energy Applications. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 209.	2.5	67
10	Hybrid methodology for hourly global radiation forecasting in Mediterranean area. <i>Renewable Energy</i> , 2013, 53, 1-11.	8.9	66
11	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
12	Bayesian rules and stochastic models for high accuracy prediction of solar radiation. <i>Applied Energy</i> , 2014, 114, 218-226.	10.1	58
13	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
14	Prediction intervals for global solar irradiation forecasting using regression trees methods. <i>Renewable Energy</i> , 2018, 126, 332-340.	8.9	39
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	An Advanced Forecasting System for the Optimum Energy Management of Island Microgrids. <i>Energy Procedia</i> , 2019, 159, 111-116.	1.8	24

#	ARTICLE	IF	CITATIONS
19	Forecasting method for global radiation time series without training phase: Comparison with other well-known prediction methodologies. <i>Energy</i> , 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. <i>Renewable Energy</i> , 2016, 90, 267-282.	8.9	19
21	Short-term solar irradiance and irradiation forecasts via different time series techniques: A preliminary study. , 2014, , .		7
22	Playing with design intents: integrating physical and urban constraints in CAD. <i>Automation in Construction</i> , 2000, 9, 93-105.	9.8	6
23	Multi-horizon Irradiation Forecasting for Mediterranean Locations Using Time Series Models. <i>Energy Procedia</i> , 2014, 57, 1354-1363.	1.8	5
24	Numerical weather prediction or stochastic modelling: an objective criterion of choice for the global radiation forecasting. <i>International Journal of Energy Technology and Policy</i> , 2016, 12, 209.	0.2	5
25	Trade-Off between Precision and Resolution of a Solar Power Forecasting Algorithm for Micro-Grid Optimal Control. <i>Energies</i> , 2020, 13, 3565.	3.1	5
26	Time series modeling with pruned multi-layer perceptron and 2-stage damped least-squares method. <i>Journal of Physics: Conference Series</i> , 2014, 490, 012040.	0.4	2
27	Tilos, an autonomous Greek island thanks to a PV/Wind/Zebra battery plant and a smart Energy Management System. , 2020, , .		1
28	Forecasting of Three Components of Solar irradiation for Building Applications. <i>E3S Web of Conferences</i> , 2019, 111, 05012.	0.5	0