Fernando Antonanzas-Torres

List of Publications by Year
in descending order

44 papers	1,997 citations	393982 19 h-index	264894 42 g-index
45 all docs	45 docs citations	45 times ranked	1934 citing authors

#	Article	IF	Citations
1	State-of-the-Art of Mini Grids for Rural Electrification in West Africa. Energies, 2021, 14, 990.	1.6	32
2	Environmental Impact of Solar Home Systems in Sub-Saharan Africa. Sustainability, 2021, 13, 9708.	1.6	5
3	Environmental life cycle impact of off-grid rural electrification with mini grids in West Africa. Sustainable Energy Technologies and Assessments, 2021, 47, 101471.	1.7	2
4	Solar E-Cooking with Low-Power Solar Home Systems for Sub-Saharan Africa. Sustainability, 2021, 13, 12241.	1.6	3
5	Influence of electricity market structures on deterministic solar forecasting verification. Solar Energy, 2020, 210, 44-46.	2.9	13
6	Verification of deterministic solar forecasts. Solar Energy, 2020, 210, 20-37.	2.9	142
7	Clear sky solar irradiance models: A review of seventy models. Renewable and Sustainable Energy Reviews, 2019, 107, 374-387.	8.2	110
8	Evaluation of a novel GA-based methodology for model structure selection: The GA-PARSIMONY. Neurocomputing, 2018, 271, 9-17.	3.5	16
9	Evaluation of classical parametric models for estimating solar radiation in the Eastern Mediterranean region of Turkey. Renewable and Sustainable Energy Reviews, 2018, 82, 2053-2065.	8.2	19
10	State of the art and future prospects for solar PV development in Chile. Renewable and Sustainable Energy Reviews, 2018, 92, 701-727.	8.2	44
11	Effect of soiling in bifacial PV modules and cleaning schedule optimization. Energy Conversion and Management, 2018, 174, 615-625.	4.4	61
12	Estimation methods for global solar radiation: Case study evaluation of five different approaches in central Spain. Renewable and Sustainable Energy Reviews, 2017, 77, 1098-1113.	8.2	53
13	Extensive validation of CM SAF surface radiation products over Europe. Remote Sensing of Environment, 2017, 199, 171-186.	4.6	80
14	Estimation of Daily Global Horizontal Irradiation Using Extreme Gradient Boosting Machines. Advances in Intelligent Systems and Computing, 2017, , 105-113.	0.5	1
15	Benchmark of algorithms for solar clear-sky detection. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	13
16	Review of photovoltaic power forecasting. Solar Energy, 2016, 136, 78-111.	2.9	828
17	Impact of atmospheric components on solar clear-sky models at different elevation: Case study Canary Islands. Energy Conversion and Management, 2016, 109, 122-129.	4.4	18
18	Smart baseline models for solar irradiation forecasting. Energy Conversion and Management, 2016, 108, 539-548.	4.4	42

#	ARTICLE	IF	CITATIONS
19	Dynamic model and experimental validation for a gas cooler of a CO2heat pump for heating residential water. Science and Technology for the Built Environment, 2016, 22, 30-40.	0.8	10
20	Hybrid Modelling of Multilayer Perceptron Ensembles for Predicting the Response of Bolted Lap Joints. Logic Journal of the IGPL, 2015, 23, 451-462.	1.3	0
21	Estimation of solar global irradiation in remote areas. Journal of Renewable and Sustainable Energy, 2015, 7, 023136.	0.8	14
22	Solar irradiation mapping with exogenous data from support vector regression machines estimations. Energy Conversion and Management, 2015, 100, 380-390.	4.4	48
23	Towards the hybridization of gas-fired power plants: A case study of Algeria. Renewable and Sustainable Energy Reviews, 2015, 51, 116-124.	8.2	15
24	GA-PARSIMONY: A GA-SVR approach with feature selection and parameter optimization to obtain parsimonious solutions for predicting temperature settings in a continuous annealing furnace. Applied Soft Computing Journal, 2015, 35, 13-28.	4.1	42
25	Generation of daily global solar irradiation with support vector machines for regression. Energy Conversion and Management, 2015, 96, 277-286.	4.4	59
26	Towards the optimization of convective losses in photovoltaic–thermal panels. Solar Energy, 2015, 116, 323-336.	2.9	24
27	A numerical-informational approach for characterising the ductile behaviour of the T-stub component. Part 1: Refined finite element model and test validation. Engineering Structures, 2015, 82, 236-248.	2.6	20
28	A numerical-informational approach for characterising the ductile behaviour of the T-stub component. Part 2: Parsimonious soft-computing-based metamodel. Engineering Structures, 2015, 82, 249-260.	2.6	26
29	Current Status and Future Trends of the Evaluation of Solar Global Irradiation using Soft-Computing-Based Models. Advances in Environmental Engineering and Green Technologies Book Series, 2015, , 1-22.	0.3	0
30	Downscaling of Solar Irradiation from Satellite Estimates. Lecture Notes in Management and Industrial Engineering, 2015, , 197-205.	0.3	2
31	Downscaling of global solar irradiation in complex areas in R. Journal of Renewable and Sustainable Energy, 2014, 6, 063105.	0.8	21
32	Overall models based on ensemble methods for predicting continuous annealing furnace temperature settings. Ironmaking and Steelmaking, 2014, 41, 51-60.	1.1	11
33	Towards downscaling of aerosol gridded dataset for improving solar resource assessment, an application to Spain. Renewable Energy, 2014, 71, 534-544.	4.3	10
34	Sensitivity of satellite-based methods for deriving solar radiation to different choice of aerosol input and models. Renewable Energy, 2014, 68, 785-792.	4.3	62
35	Potential solar thermal integration in Spanish combined cycle gas turbines. Renewable and Sustainable Energy Reviews, 2014, 37, 36-46.	8.2	39
36	Parsimonious Support Vector Machines Modelling for Set Points in Industrial Processes Based on Genetic Algorithm Optimization. Advances in Intelligent Systems and Computing, 2014, , 1-10.	0.5	6

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37	Optimization of Solar Integration in Combined Cycle Gas Turbines (ISCC). Advances in Intelligent Systems and Computing, 2014, , 31-40.	0.5	1
38	An Overall Performance Comparative of GA-PARSIMONY Methodology with Regression Algorithms. Advances in Intelligent Systems and Computing, 2014, , 53-62.	0.5	1
39	Evaluation and improvement of empirical models of global solar irradiation: Case study northern Spain. Renewable Energy, 2013, 60, 604-614.	4.3	43
40	Comparative assessment of global irradiation from a satellite estimate model (CM SAF) and on-ground measurements (SIAR): A Spanish case study. Renewable and Sustainable Energy Reviews, 2013, 21, 248-261.	8.2	36
41	Improving daily output of global to direct solar irradiance models with ground measurements. Journal of Renewable and Sustainable Energy, 2013, 5, .	0.8	18
42	Multilayer-Perceptron Network Ensemble Modeling with Genetic Algorithms for the Capacity of Bolted Lap Joint. Lecture Notes in Computer Science, 2012, , 545-556.	1.0	2
43	Application of Genetic Algorithms to Optimize a Truncated Mean k-Nearest Neighbours Regressor for Hotel Reservation Forecasting. Lecture Notes in Computer Science, 2012, , 79-90.	1.0	1
44	Methodology based on micro-projects in DIY desktop machines for educational purposes in engineering degrees. , 0, , .		1