Fermín Rodríguez Lalanne

List of Publications by Year
in descending order

15 papers	**386** citations	1163117 **8** h-index
1199594 **12** g-index		

15 all docs	**15** docs citations	**15** times ranked
322 citing authors		

#	Article	IF	Citations
1	Predicting solar energy generation through artificial neural networks using weather forecasts for microgrid control. Renewable Energy, 2018, 126, 855-864.	8.9	188
2	Very short-term wind power density forecasting through artificial neural networks for microgrid control. Renewable Energy, 2020, 145, 1517-1527.	8.9	56
3	Ensemble of machine learning and spatiotemporal parameters to forecast very short-term solar irradiation to compute photovoltaic generators' output power. Energy, 2021, 229, 120647.	8.8	30
4	Using deep learning and meteorological parameters to forecast the photovoltaic generators intra-hour output power interval for smart grid control. Energy, 2022, 239, 122116.	8.8	27
5	Forecasting intra-hour solar photovoltaic energy by assembling wavelet based time-frequency analysis with deep learning neural networks. International Journal of Electrical Power and Energy Systems, 2022, 137, 107777.	5.5	25
6	An analysis of different deep learning neural networks for intra-hour solar irradiation forecasting to compute solar photovoltaic generators' energy production. Energy for Sustainable Development, 2022, 68, 1-17.	4.5	23
7	Very short-term temperature forecaster using MLP and N-nearest stations for calculating key control parameters in solar photovoltaic generation. Sustainable Energy Technologies and Assessments, 2021, 45, 101085.	2.7	11
8	Very Short-Term Load Forecaster Based on a Neural Network Technique for Smart Grid Control. Energies, 2020, 13, 5210.	3.1	8
9	Non-intrusive, self-supplying and wireless sensor for monitoring grounding cable in smart grids. Sensors and Actuators A: Physical, 2020, 316, 112417.	4.1	6
10	Novel Modular Device for a Decentralised Electric Power System Architecture for More Electric Aircraft. IEEE Access, 2022, 10, 19356-19364.	4.2	5
11	A Very Short-Term Probabilistic Prediction Interval Forecaster for Reducing Load Uncertainty Level in Smart Grids. Applied Sciences (Switzerland), 2021, 11, 2538.	2.5	4
12	Increasing the safety of more electric aircraft through a novel algorithm in the DC power system. International Journal of Electrical Power and Energy Systems, 2021, 126, 106566.	5.5	3
13	Optimization of a solar irradiation forecasting tool based on artificial intelligence. Renewable Energy and Power Quality Journal, 0, 17, 62-67.	0.2	0
14	Very short-term parametric ambient temperature confidence interval forecasting to compute key control parameters for photovoltaic generators. Sustainable Energy Technologies and Assessments, 2022, 51, 101931.	2.7	0
15	Algorithm for the Optimal Design of a Fault-Tolerant Aircraft Power Transmission Network. IEEE Transactions on Transportation Electrification, 2022, 8, 4219-4228.	7.8	0