Alessandro Massi Pavan

List of Publications by Year
in descending order

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22 papers	1,288 citations	1163117 8 h-index	1125743 13 g-index
22 all docs	22 docs citations	22 times ranked	1500 citing authors

#	Article	IF	Citations
1	A Machine Learning and Internet of Things-Based Online Fault Diagnosis Method for Photovoltaic Arrays. Sustainability, 2021, 13, 13203.	3.2	7
2	How to avoid the perfect storm: The role of energy and photovoltaics. MRS Energy & Sustainability, 2020, 7, 1.	3.0	5
3	Modeling the Total Cost of Ownership of an Electric Car Using a Residential Photovoltaic Generator and a Battery Storage Unitâ€"An Italian Case Study. Energies, 2020, 13, 2584.	3.1	8
4	Advanced Methods for Photovoltaic Output Power Forecasting: A Review. Applied Sciences (Switzerland), 2020, 10, 487.	2.5	158
5	Experimental Evidence of PID Effect on CIGS Photovoltaic Modules. Energies, 2020, 13, 537.	3.1	22
6	A Power Hardware-In-The-Loop Simulation Facility for Testing Grid-Connected Storage Systems. , 2019, , .		6
7	ANNâ€based grid voltage and frequency forecaster. Journal of Engineering, 2019, 2019, 3687-3691.	1.1	4
8	The effect of ambient temperature on the yield of a 3 MWp PV plant installed in Ecuador. , 2019, , .		2
9	Total Cost of Ownership of electric vehicles using energy from a renewable-based microgrid. , 2019, , .		7
10	Day-Ahead Photovoltaic Forecasting: A Comparison of the Most Effective Techniques. Energies, 2019, 12, 1621.	3.1	131
11	Error Assessment of Solar Irradiance Forecasts and AC Power from Energy Conversion Model in Grid-Connected Photovoltaic Systems. Energies, 2016, 9, 8.	3.1	19
12	Adaptive Neural Network-Based Control of a Hybrid AC/DC Microgrid. IEEE Transactions on Smart Grid, 2016, , 1-13.	9.0	55
13	Evolution of the main economic parameters for photovoltaic plants installed in Italy. , 2014, , .		1
14	The Photovoltaic Laboratory at the University of Trieste, Italy. , 2014, , .		3
15	Assessment of photovoltaic systems for electric power generation using EROEI (energy return on) Tj ETQq1 1 0.784314 rgBT /Overlock 0		
16	A study on the mismatch effect due to the use of different photovoltaic modules classes in largeâ€scale solar parks. Progress in Photovoltaics: Research and Applications, 2014, 22, 332-345.	8.1	34
17	On the impact of photovoltaic module characterization on the prediction of PV plant productivity. , 2014, , .		4
18	Grid parity in the Italian commercial and industrial electricity market. , 2013, , .		9

#	Article	IF	Citations
19	Photovoltaics in Italy: Toward grid parity in the residential electricity market. , 2012, , .		17
20	Application of Artificial Neural Networks for the Prediction of a 20-kWp Grid-Connected Photovoltaic Plant Power Output. Studies in Fuzziness and Soft Computing, 2011, , 261-283.	0.8	5
21	Performance prediction of 20kWp grid-connected photovoltaic plant at Trieste (Italy) using artificial neural network. Energy Conversion and Management, 2010, 51, 2431-2441.	9.2	89
22	A 24-h forecast of solar irradiance using artificial neural network: Application for performance prediction of a grid-connected PV plant at Trieste, Italy. Solar Energy, 2010, 84, 807-821.	6.1	702