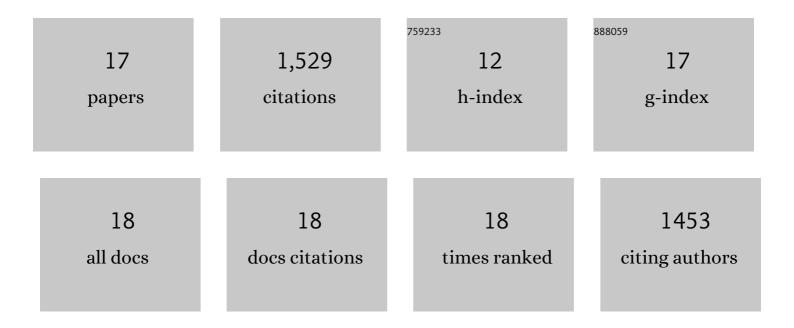
Elke Lorenz

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	High resolution measurement network of global horizontal and tilted solar irradiance in southern Germany with a new quality control scheme. Solar Energy, 2022, 231, 593-606.	6.1	8
2	Impact of Irradiance Data on the Energy Yield Modeling of Dual-Junction Solar Module Stacks for One-Sun Applications. IEEE Journal of Photovoltaics, 2021, 11, 692-698.	2.5	3
3	Verification of deterministic solar forecasts. Solar Energy, 2020, 210, 20-37.	6.1	142
4	Solar and PV forecasting for large PV power plants using numerical weather models, satellite data and ground measurements. , 2019, , .		8
5	The impact of different PV module configurations on storage and additional balancing needs for a fully renewable European power system. Renewable Energy, 2017, 113, 176-189.	8.9	31
6	Comparison of global horizontal irradiance forecasts based on numerical weather prediction models with different spatioâ€ŧemporal resolutions. Progress in Photovoltaics: Research and Applications, 2016, 24, 1626-1640.	8.1	34
7	Evaluating the spatio-temporal performance of sky-imager-based solar irradiance analysis and forecasts. Atmospheric Chemistry and Physics, 2016, 16, 3399-3412.	4.9	57
8	Comparing support vector regression for PV power forecasting to a physical modeling approach using measurement, numerical weather prediction, and cloud motion data. Solar Energy, 2016, 135, 197-208.	6.1	171
9	Forecast for surface solar irradiance at the Brazilian Northeastern region using NWP model and artificial neural networks. Renewable Energy, 2016, 87, 807-818.	8.9	106
10	Modeling the maximum power output of a distributed PV fleet. Progress in Photovoltaics: Research and Applications, 2015, 23, 1164-1181.	8.1	12
11	Short-Term Forecasting of Surface Solar Irradiance Based on Meteosat-SEVIRI Data Using a Nighttime Cloud Index. Remote Sensing, 2015, 7, 9070-9090.	4.0	20
12	Comparison of numerical weather prediction solar irradiance forecasts in the US, Canada and Europe. Solar Energy, 2013, 94, 305-326.	6.1	282
13	Solar spectral irradiance derived from satellite data: A tool to improve thin film PV performance estimations?. Solar Energy, 2013, 98, 100-110.	6.1	22
14	Spectrally resolved DNI measurements: Results of a field comparison of spectroradiometers, component cells and the SOLIS satellite model. AIP Conference Proceedings, 2012, , .	0.4	2
15	Local and regional photovoltaic power prediction for large scale grid integration: Assessment of a new algorithm for snow detection. Progress in Photovoltaics: Research and Applications, 2012, 20, 760-769.	8.1	65
16	Regional PV power prediction for improved grid integration. Progress in Photovoltaics: Research and Applications, 2011, 19, 757-771.	8.1	202
17	Solar energy assessment using remote sensing technologies. Remote Sensing of Environment, 2003, 86, 423-432.	11.0	363