

Silvana Ovaitt

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

318
citations

1307594

7
h-index

1474206

9
g-index

21
all docs

21
docs citations

21
times ranked

237
citing authors

#	ARTICLE	IF	CITATIONS
1	Model and Validation of Single-Axis Tracking With Bifacial PV. IEEE Journal of Photovoltaics, 2019, 9, 715-721.	2.5	78
2	Comparison of Bifacial Solar Irradiance Model Predictions With Field Validation. IEEE Journal of Photovoltaics, 2019, 9, 82-88.	2.5	78
3	Estimating and parameterizing mismatch power loss in bifacial photovoltaic systems. Progress in Photovoltaics: Research and Applications, 2020, 28, 691-703.	8.1	39
4	Glass/glass photovoltaic module reliability and degradation: a review. Journal Physics D: Applied Physics, 2021, 54, 413002.	2.8	34
5	Broadband Gerchberg-Saxton algorithm for freeform diffractive spectral filter design. Optics Express, 2015, 23, A1512.	3.4	18
6	bifacial_radiance: a python package for modeling bifacial solar photovoltaic systems. Journal of Open Source Software, 2020, 5, 1865.	4.6	18
7	PV in the circular economy, a dynamic framework analyzing technology evolution and reliability impacts. IScience, 2022, 25, 103488.	4.1	16
8	Effect of torque-tube parameters on rear-irradiance and rear-shading loss for bifacial PV performance on single-axis tracking systems. , 2019, , .		10
9	Dynamic material flow analysis of silicon photovoltaic modules to support a circular economy transition. Progress in Photovoltaics: Research and Applications, 2022, 30, 784-805.	8.1	7
10	Measuring Irradiance for Bifacial PV Systems. , 2021, , .		6
11	Field-Array Benchmark of Commercial Bifacial PV Technologies with Publicly Available Data. , 2020, , .		4
12	Three junction holographic micro-scale PV system. Proceedings of SPIE, 2016, , .	0.8	2
13	PV Evolution in the light of Circular Economy. , 2021, , .		2
14	Environmental stability study of holographic solar spectrum splitting materials. , 2016, , .		1
15	Holographic cap collectors for enhanced mid-day energy production of vertically mounted bifacial photovoltaic modules. , 2018, , .		1
16	Design of a holographic micro-scale spectrum-splitting photovoltaic system. , 2015, , .		0
17	Corrections to "Model and Validation of Single-Axis Tracking With Bifacial PV" IEEE Journal of Photovoltaics, 2019, 9, 1880-1880.	2.5	0
18	Design and optimization of cascaded DCG based holographic elements for spectrum-splitting PV systems. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Increased power collection efficiency of conventional silicon photovoltaic modules with holographic light management techniques. , 2018, , .		0