

Christopher Sansom

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

564
citations

759233

12
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

748
citing authors

#	ARTICLE	IF	CITATIONS
1	Coatings for concentrating solar systems – A review. Renewable and Sustainable Energy Reviews, 2015, 45, 113-122.	16.4	127
2	Light source selection for a solar simulator for thermal applications: A review. Renewable and Sustainable Energy Reviews, 2018, 90, 802-813.	16.4	101
3	Techno-economic analysis of solar integrated hydrothermal liquefaction of microalgae. Applied Energy, 2016, 166, 19-26.	10.1	53
4	Equipment and methods for measuring reflectance of concentrating solar reflector materials. Solar Energy Materials and Solar Cells, 2017, 167, 28-52.	6.2	45
5	Theoretical and experimental analysis of an innovative dual-axis tracking linear Fresnel lenses concentrated solar thermal collector. Solar Energy, 2017, 153, 679-690.	6.1	45
6	Enhancing thermoelectric properties of NaCo ₂ O ₄ ceramics through Na pre-treatment induced nano-decoration. Journal of Alloys and Compounds, 2019, 788, 91-101.	5.5	24
7	Reflectometer comparison for assessment of back-silvered glass solar mirrors. Solar Energy, 2017, 155, 496-505.	6.1	19
8	A Through-Life Cost Analysis Model to Support Investment Decision-Making in Concentrated Solar Power Projects. Energies, 2020, 13, 1553.	3.1	19
9	Adopting machine learning and condition monitoring P-F curves in determining and prioritizing high-value assets for life extension. Expert Systems With Applications, 2021, 176, 114897.	7.6	18
10	Soiling and Cleaning of Polymer Film Solar Reflectors. Energies, 2016, 9, 1006.	3.1	17
11	Synthesis and characterization of Mn _{0.5} Zn _{0.5} Fe ₂ O ₄ and Fe ₃ O ₄ nanoparticle ferrofluids for thermo-electric conversion. Journal of Magnetism and Magnetic Materials, 2013, 335, 159-162.	2.3	15
12	A Comparison of Polymer Film and Glass Collectors for Concentrating Solar Power. Energy Procedia, 2014, 49, 209-219.	1.8	14
13	Statistical and economic analysis of solar radiation and climatic data for the development of solar PV system in Nigeria. Energy Reports, 2020, 6, 309-316.	5.1	13
14	Airborne sand and dust soiling of solar collecting mirrors. AIP Conference Proceedings, 2017, , .	0.4	12
15	Parabolic Trough Surface form Mapping Using Photogrammetry and its Validation with a Large Coordinate Measuring Machine. Energy Procedia, 2014, 49, 118-125.	1.8	11
16	Training ultra precision engineers for UK manufacturing industry. Journal of Intelligent Manufacturing, 2013, 24, 423-432.	7.3	8
17	Contact cleaning of polymer film solar reflectors. AIP Conference Proceedings, 2016, , .	0.4	5
18	Photogrammetry for Concentrating Solar Collector Form Measurement, Validated Using a Coordinate Measuring Machine. Sustainability, 2020, 12, 196.	3.2	5

#	ARTICLE	IF	CITATIONS
19	Cleaning concentrating solar power mirrors without water. AIP Conference Proceedings, 2020, , .	0.4	4
20	The design of dust barriers to reduce collector mirror soiling in CSP plants. , 2018, , .		3
21	Design of a novel CSP/MED desalination system. AIP Conference Proceedings, 2022, , .	0.4	3
22	Concentrating Fresnel lens technology for thermal desalination. AIP Conference Proceedings, 2019, , .	0.4	2
23	An experimental investigation into factors affecting the soiling of glass mirrors. AIP Conference Proceedings, 2019, , .	0.4	1
24	Precision engineering for optical applications: knowledge transfer into UK industry. Proceedings of SPIE, 2009, , .	0.8	0
25	Simulation of the effect of dust barriers on the reduction of mirror soiling in CSP plants. AIP Conference Proceedings, 2020, , .	0.4	0