

# 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	Design of a novel CSP/MED desalination system. AIP Conference Proceedings, 2022, , .	0.4	3
2	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
3	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
4	Photogrammetry for Concentrating Solar Collector Form Measurement, Validated Using a Coordinate Measuring Machine. Sustainability, 2020, 12, 196.	3.2	5
5	A Through-Life Cost Analysis Model to Support Investment Decision-Making in Concentrated Solar Power Projects. Energies, 2020, 13, 1553.	3.1	19
6	Cleaning concentrating solar power mirrors without water. AIP Conference Proceedings, 2020, , .	0.4	4
7	Simulation of the effect of dust barriers on the reduction of mirror soiling in CSP plants. AIP Conference Proceedings, 2020, , .	0.4	0
8	An experimental investigation into factors affecting the soiling of glass mirrors. AIP Conference Proceedings, 2019, , .	0.4	1
9	Concentrating Fresnel lens technology for thermal desalination. AIP Conference Proceedings, 2019, , .	0.4	2
10	Enhancing thermoelectric properties of NaCo <sub>2</sub> O <sub>4</sub> ceramics through Na pre-treatment induced nano-decoration. Journal of Alloys and Compounds, 2019, 788, 91-101.	5.5	24
11	Light source selection for a solar simulator for thermal applications: A review. Renewable and Sustainable Energy Reviews, 2018, 90, 802-813.	16.4	101
12	The design of dust barriers to reduce collector mirror soiling in CSP plants. , 2018, , .		3
13	Equipment and methods for measuring reflectance of concentrating solar reflector materials. Solar Energy Materials and Solar Cells, 2017, 167, 28-52.	6.2	45
14	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
15	Airborne sand and dust soiling of solar collecting mirrors. AIP Conference Proceedings, 2017, , .	0.4	12
16	Reflectometer comparison for assessment of back-silvered glass solar mirrors. Solar Energy, 2017, 155, 496-505.	6.1	19
17	Soiling and Cleaning of Polymer Film Solar Reflectors. Energies, 2016, 9, 1006.	3.1	17
18	Contact cleaning of polymer film solar reflectors. AIP Conference Proceedings, 2016, , .	0.4	5

#	ARTICLE	IF	CITATIONS
19	Techno-economic analysis of solar integrated hydrothermal liquefaction of microalgae. Applied Energy, 2016, 166, 19-26.	10.1	53
20	Coatings for concentrating solar systems – A review. Renewable and Sustainable Energy Reviews, 2015, 45, 113-122.	16.4	127
21	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
22	A Comparison of Polymer Film and Glass Collectors for Concentrating Solar Power. Energy Procedia, 2014, 49, 209-219.	1.8	14
23	Training ultra precision engineers for UK manufacturing industry. Journal of Intelligent Manufacturing, 2013, 24, 423-432.	7.3	8
24	Synthesis and characterization of Mn <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> and Fe <sub>3</sub> O <sub>4</sub> nanoparticle ferrofluids for thermo-electric conversion. Journal of Magnetism and Magnetic Materials, 2013, 335, 159-162.	2.3	15
25	Precision engineering for optical applications: knowledge transfer into UK industry. Proceedings of SPIE, 2009, , .	0.8	0