

# Werner Platzer

## List of Publications by Year in descending order

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45  
papers

1,179  
citations

430754

18  
h-index

377752

34  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Linear Fresnel and Parabolic Trough Collector power plants. <i>Solar Energy</i> , 2012, 86, 1-12.	2.9	290
2	Latent thermal energy storage for solar process heat applications at medium-high temperatures – A review. <i>Solar Energy</i> , 2019, 192, 3-34.	2.9	115
3	High temperature latent heat storage with a screw heat exchanger: Design of prototype. <i>Applied Energy</i> , 2013, 109, 462-469.	5.1	79
4	Directional-hemispherical solar transmittance data for plastic honeycomb-type structures. <i>Solar Energy</i> , 1992, 49, 359-369.	2.9	52
5	Solar transmission of transparent insulation material. <i>Solar Energy Materials and Solar Cells</i> , 1987, 16, 275-287.	0.4	46
6	Facade systems with variable solar control using thermotropic polymer blends. <i>Solar Energy</i> , 2002, 72, 31-42.	2.9	41
7	Total heat transport data for plastic honeycomb-type structures. <i>Solar Energy</i> , 1992, 49, 351-358.	2.9	40
8	Linear Fresnel Collector Receiver: Heat Loss and Temperatures. <i>Energy Procedia</i> , 2014, 49, 386-397.	1.8	39
9	Calculation procedure for collectors with a honeycomb cover of rectangular cross section. <i>Solar Energy</i> , 1992, 48, 381-393.	2.9	33
10	Long-Term Soiling Analysis for Three Photovoltaic Technologies in Santiago Region. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 1755-1760.	1.5	32
11	Color rendering properties of interior lighting influenced by a switchable window. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005, 22, 416.	0.8	28
12	Electro – optical simulation of diffraction in solar cells. <i>Optics Express</i> , 2010, 18, A584.	1.7	27
13	Structure–property correlations of polymeric films for transparent insulation wall applications. Part 1: Solar optical properties. <i>Solar Energy</i> , 2005, 79, 583-592.	2.9	24
14	Guidelines for CSP Yield Analysis – Optical Losses of Line Focusing Systems; Definitions, Sensitivity Analysis and Modeling Approaches. <i>Energy Procedia</i> , 2014, 49, 1318-1327.	1.8	24
15	Structure–property correlations of polymeric films for transparent insulation wall applications. Part 2: Infrared optical properties. <i>Solar Energy</i> , 2005, 79, 593-602.	2.9	23
16	Potential for solar thermal energy in the heap bioleaching of chalcopyrite in Chilean copper mining. <i>Minerals Engineering</i> , 2017, 100, 75-82.	1.8	23
17	Comparison of Two Different (Quasi-) Dynamic Testing Methods for the Performance Evaluation of a Linear Fresnel Process Heat Collector. <i>Energy Procedia</i> , 2015, 69, 84-95.	1.8	22
18	PV–Enhanced Solar Thermal Power. <i>Energy Procedia</i> , 2014, 57, 477-486.	1.8	21

#	ARTICLE	IF	CITATIONS
19	Control of solar insolation via thermochromic light-switching gels. Solar Energy Materials and Solar Cells, 1995, 36, 339-347.	3.0	19
20	Manufacture, solar transmission, and heat transfer characteristics of large-celled honeycomb transparent insulation. Solar Energy, 1992, 49, 381-385.	2.9	18
21	Bulk and surface light scattering from transparent silica aerogel. Solar Energy Materials and Solar Cells, 1993, 31, 243-251.	3.0	15
22	Hybrid PV-thermal Collector Development: Concepts, Experiences, Results and Research Needs. Energy Procedia, 2014, 48, 37-47.	1.8	15
23	Optical properties of polymer films for transparent insulation. Macromolecular Symposia, 2002, 181, 399-410.	0.4	14
24	IR emission spectroscopy of silica aerogel. Journal of Non-Crystalline Solids, 1995, 186, 256-263.	1.5	13
25	Solar energy transmittance of translucent samples: A comparison between large and small integrating sphere measurements. Solar Energy Materials and Solar Cells, 1998, 54, 197-202.	3.0	13
26	Hemispherical Reflectance Results of the SolarPACES Reflectance Round Robin. Energy Procedia, 2015, 69, 1904-1910.	1.8	13
27	Large Scale Solar Plants Integration in Electro-winning Copper Recuperation Process. Energy Procedia, 2015, 70, 605-614.	1.8	13
28	Assessment of Different PCM Storage Configurations in a 50 MWel CSP Plant with Screw Heat Exchangers in a Combined Sensible and Latent Storage " Simulation Results. Energy Procedia, 2015, 69, 1078-1088.	1.8	11
29	State of the art of performance evaluation methods for concentrating solar collectors. AIP Conference Proceedings, 2016, , .	0.3	11
30	Improved in situ performance testing of line-concentrating solar collectors: Comprehensive uncertainty analysis for the selection of measurement instrumentation. Applied Energy, 2016, 184, 298-312.	5.1	11
31	The thermal performance of advanced glazing materials. Renewable Energy, 1996, 8, 540-545.	4.3	8
32	Integration enhancements of a solar parabolic trough system in a Chilean juice industry: Methodology and case study. Solar Energy, 2021, 224, 593-606.	2.9	8
33	Optical characterization of silica xerogel with spectral and angle-dependent resolution. Solar Energy Materials and Solar Cells, 1998, 54, 181-188.	3.0	6
34	Solar Thermal Systems " Towards a Systematic Characterization of Building Integration. Energy Procedia, 2016, 91, 897-906.	1.8	5
35	Transparent thermal insulation materials and systems: state of the art and potential for the future. High Temperatures - High Pressures, 2000, 32, 143-158.	0.3	5
36	A technique for measuring thermal radiation properties of semi-transparent materials. Solar Energy Materials and Solar Cells, 1990, 21, 43-50.	0.4	4

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37	Confidence interval computation method for dynamic performance evaluations of solar thermal collectors. Solar Energy, 2018, 162, 585-596.	2.9	4
38	Enhanced dynamic performance evaluation method of line-concentrating solar collectors. AIP Conference Proceedings, 2018, , .	0.3	4
39	Extended Heat Loss and Temperature Analysis of Three Linear Fresnel Receiver Designs. Energy Procedia, 2015, 69, 424-433.	1.8	3
40	<title>Transparent insulation materials: a review</title>. , 1994, , .		2
41	High Temperatures in Line Focusing Systems: Dual Loop Cycle Efficiency and Heat Losses. Energy Procedia, 2015, 69, 1461-1470.	1.8	2
42	Dynamic performance evaluation of line-concentrating steam collectors. AIP Conference Proceedings, 2018, , .	0.3	2
43	Numerical Investigation of a High Temperature Stratified Storage with Integrated Steam Generator. Energy Procedia, 2014, 49, 1003-1014.	1.8	1
44	<title>Optical characterization platform for transparent insulation materials in solar energy</title>. , 1994, 2255, 673.		0
45	<title>Spectral radiant heat emitted by honeycomb-type solar collector covers</title>. , 1994, , .		0