Runsheng Tang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1468568/publications.pdf

Version: 2024-02-01

53	1,697	257450	289244
papers	citations	24 h-index	40 g-index

54	54	54	1290
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical efficiency and performance optimization of a two-stage secondary reflection hyperbolic solar concentrator using machine learning. Renewable Energy, 2022, 188, 437-449.	8.9	7
2	A note on estimation of diffuse radiation collected by allâ€glass evacuated solar tube collectors. International Journal of Energy Research, 2021, 45, 15586-15594.	4.5	0
3	Numerical calculation of the intercept factor for parabolic trough solar collector with secondary mirror. Energy, 2021, 233, 121175.	8.8	15
4	Geometric characteristics and optical performance of ACPCs for integration with roofing structure of buildings. Energy Reports, 2021, 7, 2043-2056.	5.1	5
5	Performance and Design Optimization of Two-Mirror Composite Concentrating PV Systems. Energies, 2020, 13, 2875.	3.1	2
6	Performance and design optimization of single-axis multi-position sun-tracking PV panels. Journal of Renewable and Sustainable Energy, 2019, 11, .	2.0	8
7	A mathematical procedure to predict optical efficiency of CPCs with tubular absorbers. Energy, 2019, 182, 187-200.	8.8	13
8	Performance and Design Optimization of a One-Axis Multiple Positions Sun-Tracked V-trough for Photovoltaic Applications. Energies, 2019, 12, 1141.	3.1	10
9	A Theoretical Study on Performance and Design Optimization of Linear Dielectric Compound Parabolic Concentrating Photovoltaic Systems. Energies, 2018, 11, 2454.	3.1	2
10	A note on design of linear dielectric compound parabolic concentrators. Solar Energy, 2018, 171, 500-507.	6.1	6
11	A Three-Dimensional Radiation Transfer Model to Evaluate Performance of Compound Parabolic Concentrator-Based Photovoltaic Systems. Energies, 2018, 11, 896.	3.1	9
12	Solar Collectors and Solar Hot Water Systems. , 2018, , 95-144.		0
13	Solar Collectors and Solar Hot Water Systems. , 2018, , 1-51.		1
14	Design and Optical Performance of Compound Parabolic Solar Concentrators with Evacuated Tube as Receivers. Energies, 2016, 9, 795.	3.1	16
15	Design and optical performance of CPC based compound plane concentrators. Renewable Energy, 2016, 95, 140-151.	8.9	27
16	Angular distribution of annual collectible radiation on solar cells of CPC based photovoltaic systems. Solar Energy, 2016, 135, 827-839.	6.1	9
17	Improvement of Energy Comprehensive Utilization in a Solar Trough Concentrating PV/T System. Journal of Energy Engineering - ASCE, 2016, 142, 04016013.	1.9	1
18	Diffuse reflections within CPCs and its effect on energy collection. Solar Energy, 2015, 120, 44-54.	6.1	18

#	Article	IF	Citations
19	Performance comparison of CPCs with and without exit angle restriction for concentrating radiation on solar cells. Applied Energy, 2015, 155, 284-293.	10.1	32
20	Nocturnal reverse flow in water-in-glass evacuated tube solar water heaters. Energy Conversion and Management, 2014, 80, 173-177.	9.2	39
21	Optical performance of CPCs for concentrating solar radiation on flat receivers with a restricted incidence angle. Renewable Energy, 2014, 62, 679-688.	8.9	14
22	A note on multiple reflections of radiation within CPCs and its effect on calculations of energy collection. Renewable Energy, 2013, 57, 490-496.	8.9	39
23	On the Suitability of Test Method of GB/T 18708 for Water-in-Glass Evacuated Tube Solar Water Heaters. , 2012, , .		0
24	On the Estimation of Daily Beam Radiation on Tilted Surfaces. Energy Procedia, 2012, 16, 1570-1578.	1.8	11
25	Optical Performance of Horizontal Single-Axis Tracked Solar Panels. Energy Procedia, 2012, 16, 1744-1752.	1.8	18
26	Optical performance of inclined southâ€“north axis three-positions tracked solar panels. Energy, 2011, 36, 1171-1179.	8.8	26
27	Optical performance of vertical axis three azimuth angles tracked solar panels. Applied Energy, 2011, 88, 1784-1791.	10.1	31
28	Optical performance of vertical single-axis tracked solar panels. Renewable Energy, 2011, 36, 64-68.	8.9	64
29	Comparative studies on thermal performance of water-in-glass evacuated tube solar water heaters with different collector tilt-angles. Solar Energy, 2011, 85, 1381-1389.	6.1	138
30	Optical performance and design optimization of V-trough concentrators for photovoltaic applications. Solar Energy, 2011, 85, 2154-2166.	6.1	52
31	Experimental and modeling studies on thermosiphon domestic solar water heaters with flat-plate collectors at clear nights. Energy Conversion and Management, 2010, 51, 2548-2556.	9.2	46
32	Optical performance of fixed eastâ€“west aligned CPCs used in China. Renewable Energy, 2010, 35, 1837-1841.	8.9	33
33	Feasibility and optical performance of one axis three positions sun-tracking polar-axis aligned CPCs for photovoltaic applications. Solar Energy, 2010, 84, 1666-1675.	6.1	29
34	Optical performance of inclined south-north single-axis tracked solar panels. Energy, 2010, 35, 2511-2516.	8.8	66
35	Design optimization of fixed V-trough concentrators. , 2010, , .		4
36	Installation Design of Solar Panels with Seasonal Adjustment of Tilt-Angles. , 2010, , .		5

#	Article	IF	Citations
37	A mathematical procedure to estimate solar absorptance of shallow water ponds. Energy Conversion and Management, 2009, 50, 1828-1833.	9.2	15
38	Optimal tilt-angles of all-glass evacuated tube solar collectors. Energy, 2009, 34, 1387-1395.	8.8	88
39	Experimental investigation on thermal performance of flat plate collectors at night. Energy Conversion and Management, 2008, 49, 2642-2646.	9.2	24
40	Thermal performance of non air-conditioned buildings with vaulted roofs in comparison with flat roofs. Building and Environment, 2006, 41, 268-276.	6.9	37
41	Experimental investigation on solar drying of salted greengages. Renewable Energy, 2006, 31, 837-847.	8.9	22
42	On the extraction and separation of iodide complex of cadmium(II) in propyl-alcohol ammonium sulfate aqueous biphasic system. Separation and Purification Technology, 2006, 50, 263-266.	7.9	10
43	Assessment of uncertainty in mean heat loss coefficient of all glass evacuated solar collector tube testing. Energy Conversion and Management, 2006, 47, 60-67.	9.2	52
44	Towards green rural energy in Yunnan, China. Renewable Energy, 2005, 30, 99-108.	8.9	38
45	Cooling performance of roof ponds with gunny bags floating on water surface as compared with a movable insulation. Renewable Energy, 2005, 30, 1373-1385.	8.9	30
46	Year round test of a solar adsorption ice maker in Kunming, China. Energy Conversion and Management, 2005, 46, 2032-2041.	9.2	22
47	Estimates of clear night sky emissivity in the Negev Highlands, Israel. Energy Conversion and Management, 2004, 45, 1831-1843.	9.2	76
48	Solar thermal utilization in China. Renewable Energy, 2004, 29, 1549-1556.	8.9	78
49	Comparative studies on the water evaporation rate from a wetted surface and that from a free water surface. Building and Environment, 2004, 39, 77-86.	6.9	80
50	On thermal performance of an improved roof pond for cooling buildings. Building and Environment, 2004, 39, 201-209.	6.9	41
51	Optimal tilt-angles for solar collectors used in China. Applied Energy, 2004, 79, 239-248.	10.1	196
52	Thermal behavior of buildings with curved roofs as compared with flat roofs. Solar Energy, 2003, 74, 273-286.	6.1	21
53	Heat storage performance of the binary systems neopentyl glycol/pentaerythritol and neopentyl glycol/trihydroxy methyl-aminomethane as solidâ€“solid phase change materials. Energy Conversion and Management, 2000, 41, 129-134.	9.2	71