

# Runsheng Tang

## List of Publications by Year in descending order

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53  
papers

1,697  
citations

257450

24  
h-index

289244

40  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal tilt-angles for solar collectors used in China. <i>Applied Energy</i> , 2004, 79, 239-248.	10.1	196
2	Comparative studies on thermal performance of water-in-glass evacuated tube solar water heaters with different collector tilt-angles. <i>Solar Energy</i> , 2011, 85, 1381-1389.	6.1	138
3	Optimal tilt-angles of all-glass evacuated tube solar collectors. <i>Energy</i> , 2009, 34, 1387-1395.	8.8	88
4	Comparative studies on the water evaporation rate from a wetted surface and that from a free water surface. <i>Building and Environment</i> , 2004, 39, 77-86.	6.9	80
5	Solar thermal utilization in China. <i>Renewable Energy</i> , 2004, 29, 1549-1556.	8.9	78
6	Estimates of clear night sky emissivity in the Negev Highlands, Israel. <i>Energy Conversion and Management</i> , 2004, 45, 1831-1843.	9.2	76
7	Heat storage performance of the binary systems neopentyl glycol/pentaerythritol and neopentyl glycol/trihydroxy methyl-aminomethane as solid phase change materials. <i>Energy Conversion and Management</i> , 2000, 41, 129-134.	9.2	71
8	Optical performance of inclined south-north single-axis tracked solar panels. <i>Energy</i> , 2010, 35, 2511-2516.	8.8	66
9	Optical performance of vertical single-axis tracked solar panels. <i>Renewable Energy</i> , 2011, 36, 64-68.	8.9	64
10	Assessment of uncertainty in mean heat loss coefficient of all glass evacuated solar collector tube testing. <i>Energy Conversion and Management</i> , 2006, 47, 60-67.	9.2	52
11	Optical performance and design optimization of V-trough concentrators for photovoltaic applications. <i>Solar Energy</i> , 2011, 85, 2154-2166.	6.1	52
12	Experimental and modeling studies on thermosiphon domestic solar water heaters with flat-plate collectors at clear nights. <i>Energy Conversion and Management</i> , 2010, 51, 2548-2556.	9.2	46
13	On thermal performance of an improved roof pond for cooling buildings. <i>Building and Environment</i> , 2004, 39, 201-209.	6.9	41
14	A note on multiple reflections of radiation within CPCs and its effect on calculations of energy collection. <i>Renewable Energy</i> , 2013, 57, 490-496.	8.9	39
15	Nocturnal reverse flow in water-in-glass evacuated tube solar water heaters. <i>Energy Conversion and Management</i> , 2014, 80, 173-177.	9.2	39
16	Towards green rural energy in Yunnan, China. <i>Renewable Energy</i> , 2005, 30, 99-108.	8.9	38
17	Thermal performance of non air-conditioned buildings with vaulted roofs in comparison with flat roofs. <i>Building and Environment</i> , 2006, 41, 268-276.	6.9	37
18	Optical performance of fixed east-west aligned CPCs used in China. <i>Renewable Energy</i> , 2010, 35, 1837-1841.	8.9	33

#	ARTICLE	IF	CITATIONS
19	Performance comparison of CPCs with and without exit angle restriction for concentrating radiation on solar cells. <i>Applied Energy</i> , 2015, 155, 284-293.	10.1	32
20	Optical performance of vertical axis three azimuth angles tracked solar panels. <i>Applied Energy</i> , 2011, 88, 1784-1791.	10.1	31
21	Cooling performance of roof ponds with gunny bags floating on water surface as compared with a movable insulation. <i>Renewable Energy</i> , 2005, 30, 1373-1385.	8.9	30
22	Feasibility and optical performance of one axis three positions sun-tracking polar-axis aligned CPCs for photovoltaic applications. <i>Solar Energy</i> , 2010, 84, 1666-1675.	6.1	29
23	Design and optical performance of CPC based compound plane concentrators. <i>Renewable Energy</i> , 2016, 95, 140-151.	8.9	27
24	Optical performance of inclined south-north axis three-positions tracked solar panels. <i>Energy</i> , 2011, 36, 1171-1179.	8.8	26
25	Experimental investigation on thermal performance of flat plate collectors at night. <i>Energy Conversion and Management</i> , 2008, 49, 2642-2646.	9.2	24
26	Year round test of a solar adsorption ice maker in Kunming, China. <i>Energy Conversion and Management</i> , 2005, 46, 2032-2041.	9.2	22
27	Experimental investigation on solar drying of salted greengages. <i>Renewable Energy</i> , 2006, 31, 837-847.	8.9	22
28	Thermal behavior of buildings with curved roofs as compared with flat roofs. <i>Solar Energy</i> , 2003, 74, 273-286.	6.1	21
29	Optical Performance of Horizontal Single-Axis Tracked Solar Panels. <i>Energy Procedia</i> , 2012, 16, 1744-1752.	1.8	18
30	Diffuse reflections within CPCs and its effect on energy collection. <i>Solar Energy</i> , 2015, 120, 44-54.	6.1	18
31	Design and Optical Performance of Compound Parabolic Solar Concentrators with Evacuated Tube as Receivers. <i>Energies</i> , 2016, 9, 795.	3.1	16
32	A mathematical procedure to estimate solar absorptance of shallow water ponds. <i>Energy Conversion and Management</i> , 2009, 50, 1828-1833.	9.2	15
33	Numerical calculation of the intercept factor for parabolic trough solar collector with secondary mirror. <i>Energy</i> , 2021, 233, 121175.	8.8	15
34	Optical performance of CPCs for concentrating solar radiation on flat receivers with a restricted incidence angle. <i>Renewable Energy</i> , 2014, 62, 679-688.	8.9	14
35	A mathematical procedure to predict optical efficiency of CPCs with tubular absorbers. <i>Energy</i> , 2019, 182, 187-200.	8.8	13
36	On the Estimation of Daily Beam Radiation on Tilted Surfaces. <i>Energy Procedia</i> , 2012, 16, 1570-1578.	1.8	11

#	ARTICLE	IF	CITATIONS
37	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
38	Performance and Design Optimization of a One-Axis Multiple Positions Sun-Tracked V-trough for Photovoltaic Applications. Energies, 2019, 12, 1141.	3.1	10
39	Angular distribution of annual collectible radiation on solar cells of CPC based photovoltaic systems. Solar Energy, 2016, 135, 827-839.	6.1	9
40	A Three-Dimensional Radiation Transfer Model to Evaluate Performance of Compound Parabolic Concentrator-Based Photovoltaic Systems. Energies, 2018, 11, 896.	3.1	9
41	Performance and design optimization of single-axis multi-position sun-tracking PV panels. Journal of Renewable and Sustainable Energy, 2019, 11, .	2.0	8
42	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
43	A note on design of linear dielectric compound parabolic concentrators. Solar Energy, 2018, 171, 500-507.	6.1	6
44	Installation Design of Solar Panels with Seasonal Adjustment of Tilt-Angles. , 2010, , .		5
45	Geometric characteristics and optical performance of ACPCs for integration with roofing structure of buildings. Energy Reports, 2021, 7, 2043-2056.	5.1	5
46	Design optimization of fixed V-trough concentrators. , 2010, , .		4
47	A Theoretical Study on Performance and Design Optimization of Linear Dielectric Compound Parabolic Concentrating Photovoltaic Systems. Energies, 2018, 11, 2454.	3.1	2
48	Performance and Design Optimization of Two-Mirror Composite Concentrating PV Systems. Energies, 2020, 13, 2875.	3.1	2
49	Improvement of Energy Comprehensive Utilization in a Solar Trough Concentrating PV/T System. Journal of Energy Engineering - ASCE, 2016, 142, 04016013.	1.9	1
50	Solar Collectors and Solar Hot Water Systems. , 2018, , 1-51.		1
51	On the Suitability of Test Method of GB/T 18708 for Water-in-Glass Evacuated Tube Solar Water Heaters. , 2012, , .		0
52	Solar Collectors and Solar Hot Water Systems. , 2018, , 95-144.		0
53	A note on estimation of diffuse radiation collected by all-glass evacuated solar tube collectors. International Journal of Energy Research, 2021, 45, 15586-15594.	4.5	0