

# Fei Cao

## List of Publications by Year in descending order

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34  
papers

918  
citations

516710

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454955

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34  
all docs

34  
docs citations

34  
times ranked

778  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient Performance and Distribution Strategy Analysis of Solar Water Heating Systems. Heat Transfer Engineering, 2022, 43, 771-784.	1.9	4
2	An LBM-Based Investigation on the Mixing Mechanism of Double Rows Film Cooling with the Combination of Forward and Backward Jets. Energies, 2022, 15, 4848.	3.1	1
3	Numerical simulation of the temperature distribution of elliptical cavity tube receivers in the parabolic trough solar collector. IOP Conference Series: Earth and Environmental Science, 2021, 844, 012001.	0.3	1
4	Performance simulation and distribution strategy of solar and wind coupled power generation systems in Northwest China. , 2020, , .		1
5	Experimental Study of a Humidification-Dehumidification Seawater Desalination System Combined with the Chimney. International Journal of Photoenergy, 2020, 2020, 1-9.	2.5	5
6	Design of a Humidification-Dehumidification Seawater Desalination System Combined with Solar Chimneys. Environmental Science and Engineering, 2019, , 181-187.	0.2	1
7	Experimental study on direct solar photocatalytic water splitting for hydrogen production using surface uniform concentrators. International Journal of Hydrogen Energy, 2018, 43, 13745-13753.	7.1	20
8	Development of the direct solar photocatalytic water splitting system for hydrogen production in Northwest China: Design and evaluation of photoreactor. Renewable Energy, 2018, 121, 153-163.	8.9	25
9	Experimental study of direct solar photocatalytic water splitting for hydrogen production under natural circulation conditions. International Journal of Hydrogen Energy, 2018, 43, 13727-13737.	7.1	17
10	Full-year simulation of solar chimney power plants in Northwest China. Renewable Energy, 2018, 119, 421-428.	8.9	35
11	Transient Performance Analysis of the Solar Optical Guide Lighting System in Building Groups. Energies, 2018, 11, 2898.	3.1	1
12	Design and Simulation of a Solar Chimney PV/T Power Plant in Northwest China. International Journal of Photoenergy, 2018, 2018, 1-12.	2.5	21
13	Design and simulation of a solar double-chimney power plant. Renewable Energy, 2017, 113, 764-773.	8.9	16
14	Direct solar photocatalytic hydrogen generation with CPC photoreactors: System development. Solar Energy, 2017, 153, 215-223.	6.1	45
15	Comparison of the daily global solar radiation from different data sources in Northwest China climate. International Journal of Green Energy, 2017, 14, 548-554.	3.8	8
16	Evaluation of diffuse solar radiation models in Northern China: New model establishment and radiation sources comparison. Renewable Energy, 2017, 103, 708-720.	8.9	40
17	TRNSYS simulation of solar chimney power plants with a heat storage layer. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 2719-2726.	1.4	3
18	Design and Optimization of Elliptical Cavity Tube Receivers in the Parabolic Trough Solar Collector. International Journal of Photoenergy, 2017, 2017, 1-7.	2.5	13

#	ARTICLE	IF	CITATIONS
19	Thermal performance and stress analyses of the cavity receiver tube in the parabolic trough solar collector. IOP Conference Series: Earth and Environmental Science, 2016, 40, 012067.	0.3	5
20	Numerical Modeling of Turbulent Convective Heat Transfer for Supercritical Pressure Fluids Cooled in Horizontal Tubes. , 2016, , .		0
21	Models for calculating daily global solar radiation from air temperature in humid regions-A case study. Environmental Progress and Sustainable Energy, 2015, 34, 595-599.	2.3	23
22	Characteristic output of PV systems under partial shading or mismatch conditions. Solar Energy, 2015, 112, 41-54.	6.1	141
23	A Temperature-Based Model for Estimating Monthly Average Daily Global Solar Radiation in China. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	17
24	Optimization of the concentration field in a suspended photocatalytic reactor. Energy, 2014, 74, 140-146.	8.8	17
25	Performance characteristics of R1234yf ejector-expansion refrigeration cycle. Applied Energy, 2014, 121, 96-103.	10.1	153
26	Design and simulation of a geothermal solar combined chimney power plant. Energy Conversion and Management, 2014, 84, 186-195.	9.2	55
27	Redesign of a Water Heating System Using Evacuated Tube Solar Collectors: TRNSYS Simulation and Techno-Economic Evaluation. Heat Transfer Engineering, 2014, 35, 556-566.	1.9	12
28	Design and simulation of the solar chimney power plants with TRNSYS. Solar Energy, 2013, 98, 23-33.	6.1	47
29	Performance analysis of conventional and sloped solar chimney power plants in China. Applied Thermal Engineering, 2013, 50, 582-592.	6.0	74
30	Economic analysis of solar chimney power plants in Northwest China. Journal of Renewable and Sustainable Energy, 2013, 5, 021406.	2.0	22
31	Numerical Simulation and Comparison of Conventional and Sloped Solar Chimney Power Plants: The Case for Lanzhou. Scientific World Journal, The, 2013, 2013, 1-8.	2.1	13
32	Study on the Radiation Distribution in A Fluidized Tubular Reactor for Heterogeneous Photocatalytic Hydrogen Production. Procedia Environmental Sciences, 2012, 12, 285-292.	1.4	4
33	Simulation of a sloped solar chimney power plant in Lanzhou. Energy Conversion and Management, 2011, 52, 2360-2366.	9.2	78
34	Solar collector angle optimization for maximum air flow rate in the solar chimney. , 0, , .		0