

# Xing Ju

## List of Publications by Year in descending order

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34  
papers

1,717  
citations

361296  
20  
h-index

377752  
34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1313  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation to study the effect of spectral division of solar irradiance on the spectral splitting photovoltaic/thermal system. <i>Renewable Energy</i> , 2022, 182, 634-646.	4.3	4
2	Investigation of two-stage concentrating splitting photovoltaic/thermal system with a flexible heat-electricity ratio based on nanofluid. <i>Energy Conversion and Management</i> , 2022, 258, 115531.	4.4	13
3	Numerical investigation on manifold immersion cooling scheme for lithium ion battery thermal management application. <i>International Journal of Heat and Mass Transfer</i> , 2022, 190, 122750.	2.5	27
4	Three-dimensional multiphase modeling of a proton exchange membrane electrolysis cell with a new interdigitated-jet hole flow field. <i>Science China Technological Sciences</i> , 2022, 65, 1179-1192.	2.0	17
5	Experimental investigation on the optical properties of ag nanofluids under high temperatures. <i>International Communications in Heat and Mass Transfer</i> , 2022, 135, 106059.	2.9	1
6	Investigation of bubbles on the performance of an optical water filter for a photovoltaic/thermal system. <i>Applied Thermal Engineering</i> , 2022, 213, 118643.	3.0	6
7	Influence of thermal and optical criteria of spectral fluid filters for hybrid concentrated photovoltaic/thermal systems. <i>International Journal of Heat and Mass Transfer</i> , 2021, 174, 121303.	2.5	11
8	Review on gas-solid fluidized bed particle solar receivers applied in concentrated solar applications: Materials, configurations and methodologies. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111479.	8.2	25
9	Division methods and selection principles for the ideal optical window of spectral beam splitting photovoltaic/thermal systems. <i>Energy Conversion and Management</i> , 2021, 247, 114736.	4.4	13
10	Three-dimensional numerical investigation of a hybrid low concentrated photovoltaic/thermal system. <i>Energy</i> , 2020, 190, 116436.	4.5	39
11	High temperature stability and optical properties investigation of a novel ITO-Therminol 66 nanofluid for spectral splitting PV/T systems. <i>Optical Materials</i> , 2020, 109, 110373.	1.7	11
12	A fully coupled numerical simulation of a hybrid concentrated photovoltaic/thermal system that employs a therminol VP-1 based nanofluid as a spectral beam filter. <i>Applied Energy</i> , 2020, 264, 114701.	5.1	58
13	Effect of temperature on the stability and optical properties of SiO <sub>2</sub> -water nanofluids for hybrid photovoltaic/thermal applications. <i>Applied Thermal Engineering</i> , 2020, 175, 115394.	3.0	29
14	Dynamic analysis of a concentrating photovoltaic/concentrating solar power (CPV/CSP) hybrid system. <i>Science China Technological Sciences</i> , 2019, 62, 1987-1998.	2.0	7
15	A comprehensive review on solid particle receivers of concentrated solar power. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 116, 109463.	8.2	79
16	Theoretical investigation of different CPVT configurations based on liquid absorption spectral beam filter. <i>Energy</i> , 2019, 189, 116259.	4.5	25
17	Multi-physics effects on the performance of Dense-array Concentrator Photovoltaic System. <i>Energy Procedia</i> , 2019, 158, 388-393.	1.8	1
18	Thermal and electrical performance of the dense-array concentrating photovoltaic (DA-CPV) system under non-uniform illumination. <i>Applied Energy</i> , 2019, 250, 904-915.	5.1	16

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19	Dynamic output characteristics of a photovoltaic-wind-concentrating solar power hybrid system integrating an electric heating device. <i>Energy Conversion and Management</i> , 2019, 193, 86-98.	4.4	23
20	A novel rotational symmetry (RS) connection approach for dense-array concentrator photovoltaic (DA-CPV) modules. <i>Energy Conversion and Management</i> , 2019, 181, 359-371.	4.4	10
21	Ca(NO <sub>3</sub> ) <sub>2</sub> -NaNO <sub>3</sub> /expanded graphite composite as a novel shape-stable phase change material for mid- to high-temperature thermal energy storage. <i>Energy Conversion and Management</i> , 2018, 163, 50-58.	4.4	128
22	Efficiency analyses of high temperature thermal energy storage systems of rocks only and rock-PCM capsule combination. <i>Solar Energy</i> , 2018, 162, 153-164.	2.9	49
23	Selection principles and thermophysical properties of high temperature phase change materials for thermal energy storage: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1771-1786.	8.2	233
24	Cyclic performance analysis of a high temperature flat plate thermal energy storage unit with phase change material. <i>Applied Thermal Engineering</i> , 2018, 144, 1126-1136.	3.0	5
25	Numerical study of a photovoltaic/thermal hybrid system with nanofluid based spectral beam filters. <i>Energy Conversion and Management</i> , 2018, 174, 686-704.	4.4	44
26	Numerical investigation of a novel manifold micro-pin-fin heat sink combining chessboard nozzle-jet concept for ultra-high heat flux removal. <i>International Journal of Heat and Mass Transfer</i> , 2018, 126, 1206-1218.	2.5	44
27	A review of the concentrated photovoltaic/thermal (CPVT) hybrid solar systems based on the spectral beam splitting technology. <i>Applied Energy</i> , 2017, 187, 534-563.	5.1	221
28	Parametric analysis of a hybrid solar concentrating photovoltaic/concentrating solar power (CPV/CSP) system. <i>Applied Energy</i> , 2017, 189, 520-533.	5.1	56
29	A review on the development of photovoltaic/concentrated solar power (PV-CSP) hybrid systems. <i>Solar Energy Materials and Solar Cells</i> , 2017, 161, 305-327.	3.0	165
30	A review of concentrated photovoltaic-thermal (CPVT) hybrid solar systems with waste heat recovery (WHR). <i>Science Bulletin</i> , 2017, 62, 1388-1426.	4.3	85
31	Parameter optimization of a hybrid solar concentrating photovoltaic/concentrating solar power (CPV/CSP) system. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	2
32	Energy analysis of a hybrid solar concentrating photovoltaic/concentrating solar power (CPV/CSP) system. <i>Science Bulletin</i> , 2015, 60, 460-469.	4.3	36
33	An improved temperature estimation method for solar cells operating at high concentrations. <i>Solar Energy</i> , 2013, 93, 80-89.	2.9	42
34	Numerical analysis and optimization of a spectrum splitting concentration photovoltaic-thermoelectric hybrid system. <i>Solar Energy</i> , 2012, 86, 1941-1954.	2.9	192