

Yunfeng Wang

List of Publications by Year in descending order

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50
papers

1,023
citations

394421

19
h-index

454955

30
g-index

50
all docs

50
docs citations

50
times ranked

811
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal performance of indirect forced convection solar dryer and kinetics analysis of mango. <i>Applied Thermal Engineering</i> , 2018, 134, 310-321.	6.0	110
2	Numerical study on the performance of a solar chimney power plant. <i>Energy Conversion and Management</i> , 2015, 105, 197-205.	9.2	83
3	Performance and operation mode analysis of a heat recovery and thermal storage solar-assisted heat pump drying system. <i>Solar Energy</i> , 2016, 137, 225-235.	6.1	75
4	Evaluation of the optimal turbine pressure drop ratio for a solar chimney power plant. <i>Energy Conversion and Management</i> , 2016, 108, 14-22.	9.2	53
5	The effect of temperature and light on strawberry production in a solar greenhouse. <i>Solar Energy</i> , 2020, 195, 318-328.	6.1	50
6	Experimental study of solar photovoltaic/thermal (PV/T) air collector drying performance. <i>Solar Energy</i> , 2020, 208, 978-989.	6.1	50
7	Experimental investigation of solar photovoltaic operated ice thermal storage air-conditioning system. <i>International Journal of Refrigeration</i> , 2018, 86, 258-272.	3.4	40
8	Thermal analysis of a high concentration photovoltaic/thermal system. <i>Solar Energy</i> , 2014, 107, 372-379.	6.1	37
9	Comparative study on energy and exergy properties of solar photovoltaic/thermal air collector based on amorphous silicon cells. <i>Applied Thermal Engineering</i> , 2021, 185, 116376.	6.0	33
10	Preparation of tobacco-stem activated carbon from using response surface methodology and its application for water vapor adsorption in solar drying system. <i>Solar Energy</i> , 2019, 177, 324-336.	6.1	31
11	Impedance matching control strategy for a solar cooling system directly driven by distributed photovoltaics. <i>Energy</i> , 2019, 168, 953-965.	8.8	31
12	Experimental study of the effect of enhanced mass transfer on the performance improvement of a solar-driven adsorption refrigeration system. <i>Applied Energy</i> , 2018, 224, 417-425.	10.1	27
13	Heat transfer performance investigation on a finned tube adsorbent bed with a compound parabolic concentrator (CPC) for solar adsorption refrigeration. <i>Applied Thermal Engineering</i> , 2019, 152, 391-401.	6.0	26
14	Performance analysis of a secondary heat recovery solar-assisted heat pump drying system for mango. <i>Energy Exploration and Exploitation</i> , 2019, 37, 1377-1387.	2.3	26
15	The Theoretical and Experimental Research on Thermal Performance of Solar Air Collector with Finned Absorber. <i>Energy Procedia</i> , 2015, 70, 13-22.	1.8	24
16	Experimental investigation of a solar-powered adsorption refrigeration system with the enhancing desorption. <i>Energy Conversion and Management</i> , 2018, 155, 253-261.	9.2	24
17	Study on heating performance of solar-assisted heat pump drying system under large temperature difference. <i>Solar Energy</i> , 2021, 229, 148-161.	6.1	23
18	Characterization of MgCl ₂ /AC composite adsorbent and its water vapor adsorption for solar drying system application. <i>Renewable Energy</i> , 2019, 138, 1087-1095.	8.9	22

#	ARTICLE	IF	CITATIONS
19	Simulation and Experimental Study on the Optical Performance of a Fixed-Focus Fresnel Lens Solar Concentrator Using Polar-Axis Tracking. <i>Energies</i> , 2018, 11, 887.	3.1	19
20	Effects of drying variables on the characteristic of the hot air drying for <i>gastrodia elata</i> : Experiments and multi-variable model. <i>Energy</i> , 2021, 222, 119982.	8.8	19
21	Study on matching characteristics of photovoltaic disturbance and refrigeration compressor in solar photovoltaic direct-drive air conditioning system. <i>Renewable Energy</i> , 2021, 172, 1145-1153.	8.9	19
22	Analysis of drying kinetics, energy and microstructural properties of turnips using a solar drying system. <i>Solar Energy</i> , 2021, 230, 721-731.	6.1	18
23	Performance comparative study of a solar-powered adsorption refrigerator with a CPC collector/adsorbent bed. <i>Energy Conversion and Management</i> , 2018, 173, 499-507.	9.2	17
24	Performance investigation of a solar hot water driven adsorption ice-making system. <i>Energy Conversion and Management</i> , 2015, 106, 759-765.	9.2	16
25	Design of a solar-driven methanol steam reforming receiver/reactor with a thermal storage medium and its performance analysis. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33076-33087.	7.1	15
26	Experimental study of a solar adsorption refrigeration system integrated with a compound parabolic concentrator based on an enhanced mass transfer cycle in Kunming, China. <i>Solar Energy</i> , 2020, 195, 37-46.	6.1	14
27	Effect of carbonization temperature on characterization and water vapor adsorption of coffee-shell activated carbon. <i>Adsorption Science and Technology</i> , 2020, 38, 377-392.	3.2	14
28	Performance analysis of solar cell arrays in concentrating light intensity. <i>Journal of Semiconductors</i> , 2009, 30, 084011.	3.7	11
29	Grid-Connected Semitransparent Building-Integrated Photovoltaic System: The Comprehensive Case Study of the 120kWp Plant in Kunming, China. <i>International Journal of Photoenergy</i> , 2018, 2018, 1-13.	2.5	11
30	Impact of three different enhancing mass transfer operating characteristics on a solar adsorption refrigeration system with compound parabolic concentrator. <i>Renewable Energy</i> , 2020, 152, 1354-1366.	8.9	11
31	Dynamic energy efficiency characteristics analysis of a distributed solar photovoltaic direct-drive solar cold storage. <i>Building and Environment</i> , 2021, 206, 108324.	6.9	9
32	Quality study on different parts of <i>Panax notoginseng</i> root drying with a hybrid drying system powered by a solar photovoltaic/thermal air collector and wind turbine. <i>Energy</i> , 2022, 245, 123216.	8.8	9
33	A JET IMPINGEMENT/CHANNEL RECEIVER FOR COOLING DENSELY PACKED PHOTOVOLTAIC CELLS UNDER A PARABOLOIDAL DISH SOLAR CONCENTRATOR. <i>Heat Transfer Research</i> , 2012, 43, 767-778.	1.6	7
34	Effect of Installation of Solar Collector on Performance of Balcony Split Type Solar Water Heaters. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-9.	2.5	7
35	Online extraction of physical parameters of photovoltaic modules in a building-integrated photovoltaic system. <i>Energy Conversion and Management</i> , 2019, 199, 112028.	9.2	7
36	Experimental investigation of a novel hybrid drying system powered by a solar photovoltaic/thermal air collector and wind turbine. <i>Renewable Energy</i> , 2022, 194, 705-718.	8.9	6

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37	Performance characteristics of photovoltaic cold storage under composite control of maximum power tracking and constant voltage per frequency. <i>Applied Energy</i> , 2022, 305, 117840.	10.1	5
38	Performance Analysis on Solar Cell Modules of Flat-Plate and Trough Concentrating Photovoltaic System. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2009, 29, 2287-2292.	1.2	4
39	Modeling and experimental investigation on a direct steam generation solar collector with flat plate thermal concentration. <i>Energy Exploration and Exploitation</i> , 2020, 38, 1879-1892.	2.3	3
40	Performance testing of a heat pump system with auxiliary hot water under different ambient temperatures. <i>Energy and Built Environment</i> , 2022, 3, 316-326.	5.9	3
41	Preliminary investigation on pilot-scale photovoltaic-driven cold storage with ice thermal storage based on vapor compression refrigeration cycle. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101187.	2.7	3
42	Investigation of Performance on Trough Concentrating Solar Photovoltaic/Thermal System Based on Super Cells. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2009, 29, 482-489.	1.2	3
43	Performance Analysis and Design of Paraboloidal Dish Solar Concentrators. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2012, 32, 0122002.	1.2	2
44	Performance Analysis and Design of Multi-Plane Mirrors Linear Combination Solar Concentrator. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2016, 36, 0422002.	1.2	2
45	Analysis of Output Characteristics of Super Cells Serial Module with Partial Shading. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2011, 31, 0125001.	1.2	2
46	Experimental investigation of static ice refrigeration air conditioning system driven by distributed photovoltaic energy system. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 40, 012027.	0.3	1
47	Improvement of Energy Comprehensive Utilization in a Solar Trough Concentrating PV/T System. <i>Journal of Energy Engineering - ASCE</i> , 2016, 142, 04016013.	1.9	1
48	Design of solar adsorption refrigeration system with CPC and study on the heat and mass transfer performance. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 93, 012005.	0.3	0
49	Study on Optical Efficiency Characteristics of Receivers in a Solar Parabolic Trough Concentrator. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2016, 36, 0122002.	1.2	0
50	Thermal design of a plate receiver for cooling densely packed photovoltaic cells with a point focusing solar concentrator. <i>Thermal Science</i> , 2018, 22, 469-479.	1.1	0