

Jing Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/680394/publications.pdf>

Version: 2024-02-01

86
papers

2,647
citations

196777
29
h-index

232693
48
g-index

86
all docs

86
docs citations

86
times ranked

1913
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and analysis of a novel dual source vapor injection heat pump using exhaust and ambient air. <i>Energy and Built Environment</i> , 2022, 3, 95-104.	2.9	9
2	Parametric Analysis of a Novel Photovoltaic/Thermal System Using Amorphous Silicon Cells and Micro-Channel Loop Heat Pipes. <i>Heat Transfer Engineering</i> , 2022, 43, 1149-1170.	1.2	5
3	Experimental investigation and annual performance mathematical-prediction on a novel LT-PV/T system using spiral-descent concentric copper tube heat exchanger as the condenser for large-scale application. <i>Renewable Energy</i> , 2022, 187, 257-270.	4.3	6
4	A proof-of-concept study of a novel ventilation heat recovery vapour injection air source heat pump. <i>Energy Conversion and Management</i> , 2022, 256, 115404.	4.4	13
5	Experimental investigation of a novel vertical loop-heat-pipe PV/T heat and power system under different height differences. <i>Energy</i> , 2022, 254, 124193.	4.5	8
6	An innovative concentrated solar power system driven by high-temperature cascade organic Rankine cycle. <i>Journal of Energy Storage</i> , 2022, 52, 104999.	3.9	6
7	Analysis of a direct vapor generation system using cascade steam-organic Rankine cycle and two-tank oil storage. <i>Energy</i> , 2022, 257, 124776.	4.5	6
8	Analysis of a novel photovoltaic/thermal system using InGaN/GaN MQWs cells in high temperature applications. <i>Renewable Energy</i> , 2021, 168, 11-20.	4.3	19
9	Design and analysis of an innovative concentrated solar power system using cascade organic Rankine cycle and two-tank water/steam storage. <i>Energy Conversion and Management</i> , 2021, 237, 114108.	4.4	15
10	An innovative approach to recovery of fluctuating industrial exhaust heat sources using cascade Rankine cycle and two-stage accumulators. <i>Energy</i> , 2021, 228, 120587.	4.5	4
11	Scientific and technological progress and future perspectives of the solar assisted heat pump (SAHP) system. <i>Energy</i> , 2021, 229, 120719.	4.5	41
12	Mathematical and experimental evaluation of a mini-channel PV/T and thermal panel in summer mode. <i>Solar Energy</i> , 2021, 224, 401-410.	2.9	10
13	Operational performance of a novel heat pump coupled with mini-channel PV/T and thermal panel in low solar radiation. <i>Energy and Built Environment</i> , 2020, 1, 50-59.	2.9	48
14	Assessment of the cost reduction potential of a novel loop-heat-pipe solar photovoltaic/thermal system by employing the distributed parameter model. <i>Energy</i> , 2020, 190, 116338.	4.5	40
15	Numerical simulation and experimental validation of a micro-channel PV/T modules based direct-expansion solar heat pump system. <i>Renewable Energy</i> , 2020, 145, 1992-2004.	4.3	65
16	Operational performance of a novel fast-responsive heat storage/exchanging unit (HSEU) for solar heating systems. <i>Renewable Energy</i> , 2020, 151, 137-151.	4.3	2
17	Performance investigation of solar tower system using cascade supercritical carbon dioxide Brayton-steam Rankine cycle. <i>Energy Conversion and Management</i> , 2020, 225, 113430.	4.4	28
18	Experimental research on a solar air-source heat pump system with phase change energy storage. <i>Energy and Buildings</i> , 2020, 228, 110451.	3.1	11

#	ARTICLE	IF	CITATIONS
19	Potential of performance improvement of concentrated solar power plants by optimizing the parabolic trough receiver. <i>Frontiers in Energy</i> , 2020, 14, 867-881.	1.2	2
20	A chronological review of advances in solar assisted heat pump technology in 21st century. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110132.	8.2	49
21	Investigation of an innovative PV/T-ORC system using amorphous silicon cells and evacuated flat plate solar collectors. <i>Energy</i> , 2020, 203, 117873.	4.5	16
22	Feasibility research on a hybrid solar tower system using steam and molten salt as heat transfer fluid. <i>Energy</i> , 2020, 205, 118094.	4.5	11
23	Effect of regenerator on the direct steam generation solar power system characterized by prolonged thermal storage and stable power conversion. <i>Renewable Energy</i> , 2020, 159, 1099-1116.	4.3	6
24	Temperature-dependent performance of amorphous silicon photovoltaic/thermal systems in the long term operation. <i>Applied Energy</i> , 2020, 275, 115156.	5.1	10
25	Economic and environmental analysis of a novel rural house heating and cooling system using a solar-assisted vapour injection heat pump. <i>Applied Energy</i> , 2020, 275, 115323.	5.1	27
26	Evaluate the validity of the empirical correlations of clearance and friction coefficients to improve a scroll expander semi-empirical model. <i>Energy</i> , 2020, 202, 117723.	4.5	8
27	Can whole building energy models outperform numerical models, when forecasting performance of indirect evaporative cooling systems?. <i>Energy Conversion and Management</i> , 2020, 213, 112886.	4.4	13
28	A novel integrated solar tri-generation system for cooling, freshwater and electricity production purpose: Energy, economic and environmental performance analysis. <i>Solar Energy</i> , 2020, 198, 139-150.	2.9	16
29	The study of a seasonal solar CCHP system based on evacuated flat-plate collectors and organic Rankine cycle. <i>Thermal Science</i> , 2020, 24, 915-924.	0.5	4
30	Approach to fabricating high-performance cooler with near-ideal emissive spectrum for above-ambient air temperature radiative cooling. <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 110013.	3.0	25
31	Experimental Investigation of a Novel Solar Micro-Channel Loop-Heat-Pipe Photovoltaic/Thermal (MC-LHP-PV/T) System for Heat and Power Generation. <i>Applied Energy</i> , 2019, 256, 113929.	5.1	57
32	Performance analysis of integrated linear fresnel reflector with a conventional cooling, heat, and power tri-generation plant. <i>Renewable Energy</i> , 2019, 138, 639-650.	4.3	20
33	Feasibility of an innovative amorphous silicon photovoltaic/thermal system for medium temperature applications. <i>Applied Energy</i> , 2019, 252, 113427.	5.1	27
34	Novel parabolic trough power system integrating direct steam generation and molten salt systems: Preliminary thermodynamic study. <i>Energy Conversion and Management</i> , 2019, 195, 909-926.	4.4	16
35	A study on heat storage sizing and flow control for a domestic scale solar-powered organic Rankine cycle-vapour compression refrigeration system. <i>Renewable Energy</i> , 2019, 143, 301-312.	4.3	31
36	Design of steam condensation temperature for an innovative solar thermal power generation system using cascade Rankine cycle and two-stage accumulators. <i>Energy Conversion and Management</i> , 2019, 184, 389-401.	4.4	19

#	ARTICLE	IF	CITATIONS
37	Performance evaluation and analyses of novel parabolic trough evacuated collector tubes with spectrum-selective glass envelope. <i>Renewable Energy</i> , 2019, 138, 793-804.	4.3	33
38	Energetic and exergetic analyses on structural optimized parabolic trough solar receivers in a concentrated solarâ€“thermal collector system. <i>Energy</i> , 2019, 171, 611-623.	4.5	33
39	Thermo-economic evaluation of an innovative direct steam generation solar power system using screw expanders in a tandem configuration. <i>Applied Thermal Engineering</i> , 2019, 148, 1007-1017.	3.0	20
40	A novel approach to thermal storage of direct steam generation solar power systems through two-step heat discharge. <i>Applied Energy</i> , 2019, 236, 81-100.	5.1	30
41	Effect of non-condensable gas on the behaviours of a controllable loop thermosyphon under active control. <i>Applied Thermal Engineering</i> , 2019, 146, 288-294.	3.0	16
42	Annual performance simulation of a solar cogeneration plant with sensible heat storage to provide electricity demand for a small community: A transient model. <i>Hittite Journal of Science & Engineering</i> , 2019, 6, 75-81.	0.2	3
43	Performance study and comparative analysis of traditional and double-selective-coated parabolic trough receivers. <i>Energy</i> , 2018, 145, 206-216.	4.5	40
44	Numerical investigation and experimental validation of the impacts of an inner radiation shield on parabolic trough solar receivers. <i>Applied Thermal Engineering</i> , 2018, 132, 381-392.	3.0	40
45	Experimental study of organic Rankine cycle in the presence of non-condensable gases. <i>Energy</i> , 2018, 142, 739-753.	4.5	10
46	Experimental study on a novel photovoltaic thermal system using amorphous silicon cells deposited on stainless steel. <i>Energy</i> , 2018, 159, 786-798.	4.5	16
47	Development and assessment of integrating parabolic trough collectors with gas turbine trigeneration system for producing electricity, chilled water, and freshwater. <i>Energy</i> , 2018, 162, 364-379.	4.5	31
48	Off-design performance modelling of a solar organic Rankine cycle integrated with pressurized hot water storage unit for community level application. <i>Energy Conversion and Management</i> , 2018, 166, 132-145.	4.4	25
49	Preliminary performance study of a high-temperature parabolic trough solar evacuated receiver with an inner transparent radiation shield. <i>Solar Energy</i> , 2018, 173, 640-650.	2.9	23
50	Preliminary thermal analysis of a combined photovoltaicâ€“photothermicâ€“nocturnal radiative cooling system. <i>Energy</i> , 2017, 137, 419-430.	4.5	60
51	Modeling and optimization of solar-powered cascade Rankine cycle system with respect to the characteristics of steam screw expander. <i>Renewable Energy</i> , 2017, 112, 398-412.	4.3	26
52	Thermodynamic and economic investigation of a screw expander-based direct steam generation solar cascade Rankine cycle system using water as thermal storage fluid. <i>Applied Energy</i> , 2017, 195, 137-151.	5.1	41
53	Thermodynamic comparison and dynamic simulation of direct and indirect solar organic Rankine cycle systems with PCM storage. <i>Energy Procedia</i> , 2017, 129, 716-723.	1.8	14
54	A numerical and experimental study of micro-channel heat pipe solar photovoltaics thermal system. <i>Applied Energy</i> , 2017, 206, 708-722.	5.1	69

#	ARTICLE	IF	CITATIONS
55	Experimental investigation on controllable loop thermosyphon with a reservoir. <i>Applied Thermal Engineering</i> , 2017, 126, 322-329.	3.0	14
56	Performance analysis on a high-temperature solar evacuated receiver with an inner radiation shield. <i>Energy</i> , 2017, 139, 447-458.	4.5	40
57	Preliminary study on variable conductance loop thermosyphons. <i>Energy Conversion and Management</i> , 2017, 147, 66-74.	4.4	20
58	A novel concentrated solar power system using cascade steam-organic Rankine cycle and two-stage accumulators. <i>Energy Procedia</i> , 2017, 142, 386-394.	1.8	5
59	Performance evaluation of controllable separate heat pipes. <i>Applied Thermal Engineering</i> , 2016, 100, 518-527.	3.0	23
60	Field test and preliminary analysis of a combined diurnal solar heating and nocturnal radiative cooling system. <i>Applied Energy</i> , 2016, 179, 899-908.	5.1	110
61	Modelling of organic Rankine cycle efficiency with respect to the equivalent hot side temperature. <i>Energy</i> , 2016, 115, 668-683.	4.5	21
62	Experimental study of the effect of inclination angle on the thermal performance of heat pipe photovoltaic/thermal (PV/T) systems with wickless heat pipe and wire-meshed heat pipe. <i>Applied Thermal Engineering</i> , 2016, 106, 651-660.	3.0	99
63	Effect of working fluids on the performance of a novel direct vapor generation solar organic Rankine cycle system. <i>Applied Thermal Engineering</i> , 2016, 98, 786-797.	3.0	49
64	A cascade organic Rankine cycle power generation system using hybrid solar energy and liquefied natural gas. <i>Solar Energy</i> , 2016, 127, 136-146.	2.9	79
65	Numerical simulation and experimental validation of a high concentration photovoltaic/thermal module based on point-focus Fresnel lens. <i>Applied Energy</i> , 2016, 168, 269-281.	5.1	51
66	Analysis of a novel solar electricity generation system using cascade Rankine cycle and steam screw expander. <i>Applied Energy</i> , 2016, 165, 627-638.	5.1	72
67	Structural Optimization and Experimental Investigation of the Organic Rankine Cycle for Solar Thermal Power Generation. <i>Springer Theses</i> , 2015, , .	0.0	9
68	Experimental Study of the ORC Under Variable Condensation Temperature. <i>Springer Theses</i> , 2015, , 71-99.	0.0	0
69	Structural Optimization of the ORC-Based Solar Thermal Power System. <i>Springer Theses</i> , 2015, , 31-70.	0.0	0
70	Gradual Progress in the Organic Rankine Cycle and Solar Thermal Power Generation. <i>Springer Theses</i> , 2015, , 1-29.	0.0	2
71	Examination of Key Issues in Designing the ORC Condensation Temperature. <i>Springer Theses</i> , 2015, , 101-130.	0.0	0
72	Design of the ORC (organic Rankine cycle) condensation temperature with respect to the expander characteristics for domestic CHP (combined heat and power) applications. <i>Energy</i> , 2014, 77, 579-590.	4.5	27

#	ARTICLE	IF	CITATIONS
73	Analysis of a novel gravity driven organic Rankine cycle for small-scale cogeneration applications. Applied Energy, 2013, 108, 34-44.	5.1	32
74	Examination of the expander leaving loss in variable organic Rankine cycle operation. Energy Conversion and Management, 2013, 65, 66-74.	4.4	25
75	Energetic and exergetic investigation of an organic Rankine cycle at different heat source temperatures. Energy, 2012, 38, 85-95.	4.5	99
76	Evaluation of external heat loss from a small-scale expander used in organic Rankine cycle. Applied Thermal Engineering, 2011, 31, 2694-2701.	3.0	34
77	Performance evaluation of a micro turbo-expander for application in low-temperature solar electricity generation. Journal of Zhejiang University: Science A, 2011, 12, 207-213.	1.3	17
78	Construction and dynamic test of a small-scale organic rankine cycle. Energy, 2011, 36, 3215-3223.	4.5	189
79	Design and analysis of a novel low-temperature solar thermal electric system with two-stage collectors and heat storage units. Renewable Energy, 2011, 36, 2324-2333.	4.3	59
80	Analysis of working fluid for Organic Rankine Cycle. , 2011, , .		2
81	Analysis of low temperature solar thermal electric generation using regenerative Organic Rankine Cycle. Applied Thermal Engineering, 2010, 30, 998-1004.	3.0	177
82	Optimization of low temperature solar thermal electric generation with Organic Rankine Cycle in different areas. Applied Energy, 2010, 87, 3355-3365.	5.1	155
83	Working Fluid Selection for Low Temperature Solar Thermal Power Generation with Two-Stage Collectors and Heat Storage Units. , 2010, , .		2
84	Novel design and simulation of a hybrid solar electricity system with organic Rankine cycle and PV cells. International Journal of Low-Carbon Technologies, 2010, 5, 223-230.	1.2	8
85	Design and Performance Analysis of Low Temperature Solar Thermal Electric Generation Integrated PV Cells. , 2010, , .		3
86	An experimental study of a micro high-speed turbine that applied in Organic Rankine Cycle. , 2010, , .		1