

Tai-lu Li

List of Publications by Year in descending order

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papers

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421
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic and economic evaluation of the organic Rankine cycle (ORC) and two-stage series organic Rankine cycle (TSORC) for flue gas heat recovery. <i>Energy Conversion and Management</i> , 2019, 183, 816-829.	9.2	112
2	Two-stage evaporation strategy to improve system performance for organic Rankine cycle. <i>Applied Energy</i> , 2015, 150, 323-334.	10.1	100
3	Cascade utilization of low temperature geothermal water in oilfield combined power generation, gathering heat tracing and oil recovery. <i>Applied Thermal Engineering</i> , 2012, 40, 27-35.	6.0	70
4	Techno-economic performance comparison of enhanced geothermal system with typical cycle configurations for combined heating and power. <i>Energy Conversion and Management</i> , 2020, 205, 112409.	9.2	51
5	Techno-economic performance of two-stage series evaporation organic Rankine cycle with dual-level heat sources. <i>Applied Thermal Engineering</i> , 2020, 171, 115078.	6.0	37
6	Strengthening mechanisms of two-stage evaporation strategy on system performance for organic Rankine cycle. <i>Energy</i> , 2016, 101, 532-540.	8.8	36
7	Thermodynamic and techno-economic performance comparison of two-stage series organic Rankine cycle and organic Rankine flash cycle for geothermal power generation from hot dry rock. <i>Applied Thermal Engineering</i> , 2022, 200, 117715.	6.0	36
8	Experimental comparison of R245fa and R245fa/R601a for organic Rankine cycle using scroll expander. <i>International Journal of Energy Research</i> , 2015, 39, 202-214.	4.5	35
9	Comparative analysis of series and parallel geothermal systems combined power, heat and oil recovery in oilfield. <i>Applied Thermal Engineering</i> , 2013, 50, 1132-1141.	6.0	31
10	Performance enhancement of organic Rankine cycle with two-stage evaporation using energy and exergy analyses. <i>Geothermics</i> , 2017, 65, 126-134.	3.4	31
11	Energetic and exergetic performance of a novel polygeneration energy system driven by geothermal energy and solar energy for power, hydrogen and domestic hot water. <i>Renewable Energy</i> , 2021, 175, 318-336.	8.9	22
12	Synergetic cascade-evaporation mechanism of a novel building distributed energy supply system with cogeneration and temperature and humidity independent control characteristics. <i>Energy Conversion and Management</i> , 2020, 209, 112620.	9.2	21
13	Techno-economic performance of multi-generation energy system driven by associated mixture of oil and geothermal water for oilfield in high water cut. <i>Geothermics</i> , 2021, 89, 101991.	3.4	20
14	Entransy dissipation/loss-based optimization of two-stage organic Rankine cycle (TSORC) with R245fa for geothermal power generation. <i>Science China Technological Sciences</i> , 2016, 59, 1524-1536.	4.0	19
15	Performance improvement of two-stage serial organic Rankine cycle (TSORC) integrated with absorption refrigeration (AR) for geothermal power generation. <i>Geothermics</i> , 2017, 69, 110-118.	3.4	15
16	Thermodynamic, economic, and environmental performance comparison of typical geothermal power generation systems driven by hot dry rock. <i>Energy Reports</i> , 2022, 8, 2762-2777.	5.1	13
17	Performance analysis and improvement of geothermal binary cycle power plant in oilfield. <i>Journal of Central South University</i> , 2013, 20, 457-465.	3.0	12
18	Thermodynamic optimization and fluid selection of organic Rankine cycle driven by a latent heat source. <i>Journal of Central South University</i> , 2017, 24, 2829-2841.	3.0	12

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19	Energy, economic and environmental evaluation of a novel combined cooling and power system characterized by temperature and humidity independent control. <i>Energy Conversion and Management</i> , 2020, 215, 112929.	9.2	12
20	Thermodynamic performance comparison of series and parallel two-stage evaporation vapor compression refrigeration cycle. <i>Energy Reports</i> , 2021, 7, 1616-1626.	5.1	12
21	Structural improvement and thermodynamic optimization of a novel supercritical CO ₂ cycle driven by hot dry rock for power generation. <i>Energy Conversion and Management</i> , 2021, 235, 114014.	9.2	9
22	Experimental Investigation on Characteristics of Evaporator Vaporization and Pressure Drops in an Organic Rankine Cycle (ORC). <i>Energy Procedia</i> , 2015, 75, 1631-1638.	1.8	7
23	Coupling effect of evaporation and condensation processes of organic Rankine cycle for geothermal power generation improvement. <i>Journal of Central South University</i> , 2019, 26, 3372-3387.	3.0	7
24	A thermodynamics comparison of subcritical and transcritical organic Rankine cycle system for power generation. <i>Journal of Central South University</i> , 2015, 22, 3641-3649.	3.0	6
25	Arrangement strategy of ground heat exchanger with groundwater. <i>Transactions of Tianjin University</i> , 2012, 18, 291-297.	6.4	5
26	Parametric optimization of organic Rankine cycle with R245fa/R601a as working fluid. <i>Transactions of Tianjin University</i> , 2015, 21, 69-75.	6.4	3
27	Evaluation of the Integrated Characteristics on Combustion and Drying Using Element Analysis. <i>Energy & Fuels</i> , 2014, 28, 4421-4430.	5.1	1
28	The Coupled Effects of Dryness and Non-Condensable Gas Content of Geothermal Fluid on the Power Generation Potential of an Enhanced Geothermal System. <i>Acta Geologica Sinica</i> , 2021, 95, 1948-1957.	1.4	1
29	Series and Parallel Strategies of Combined Heating, Power and Oil Recovery for Oilfields in High Water Cut Period. <i>Mathematical Geosciences</i> , 2020, 52, 565-592.	2.4	0