Tai-lu Li

List of Publications by Year
in descending order

29 papers	736 citations	567281 15 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	421 citing authors

#	Article	IF	Citations
1	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. Applied Thermal Engineering, 2022, 200, 117715.	6.0	36
2	Thermodynamic, economic, and environmental performance comparison of typical geothermal power generation systems driven by hot dry rock. Energy Reports, 2022, 8, 2762-2777.	5.1	13
3	Techno-economic performance of multi-generation energy system driven by associated mixture of oil and geothermal water for oilfield in high water cut. Geothermics, 2021, 89, 101991.	3.4	20
4	Structural improvement and thermodynamic optimization of a novel supercritical CO2 cycle driven by hot dry rock for power generation. Energy Conversion and Management, 2021, 235, 114014.	9.2	9
5	Energetic and exergetic performance of a novel polygeneration energy system driven by geothermal energy and solar energy for power, hydrogen and domestic hot water. Renewable Energy, 2021, 175, 318-336.	8.9	22
6	Thermodynamic performance comparison of series and parallel two-stage evaporation vapor compression refrigeration cycle. Energy Reports, 2021, 7, 1616-1626.	5.1	12
7	The Coupled Effects of Dryness and Nonâ€condensable Gas Content of Geothermal Fluid on the Power Generation Potential of an Enhanced Geothermal System. Acta Geologica Sinica, 2021, 95, 1948-1957.	1.4	1
8	Series and Parallel Strategies of Combined Heating, Power and Oil Recovery for Oilfields in High Water Cut Period. Mathematical Geosciences, 2020, 52, 565-592.	2.4	0
9	Techno-economic performance comparison of enhanced geothermal system with typical cycle configurations for combined heating and power. Energy Conversion and Management, 2020, 205, 112409.	9.2	51
10	Energy, economic and environmental evaluation of a novel combined cooling and power system characterized by temperature and humidity independent control. Energy Conversion and Management, 2020, 215, 112929.	9.2	12
11	Synergetic cascade-evaporation mechanism of a novel building distributed energy supply system with cogeneration and temperature and humidity independent control characteristics. Energy Conversion and Management, 2020, 209, 112620.	9.2	21
12	Techno-economic performance of two-stage series evaporation organic Rankine cycle with dual-level heat sources. Applied Thermal Engineering, 2020, 171, 115078.	6.0	37
13	Coupling effect of evaporation and condensation processes of organic Rankine cycle for geothermal power generation improvement. Journal of Central South University, 2019, 26, 3372-3387.	3.0	7
14	Thermodynamic and economic evaluation of the organic Rankine cycle (ORC) and two-stage series organic Rankine cycle (TSORC) for flue gas heat recovery. Energy Conversion and Management, 2019, 183, 816-829.	9.2	112
15	Performance improvement of two-stage serial organic Rankine cycle (TSORC) integrated with absorption refrigeration (AR) for geothermal power generation. Geothermics, 2017, 69, 110-118.	3.4	15
16	Performance enhancement of organic Rankine cycle with two-stage evaporation using energy and exergy analyses. Geothermics, 2017, 65, 126-134.	3.4	31
17	Thermodynamic optimization and fluid selection of organic Rankine cycle driven by a latent heat source. Journal of Central South University, 2017, 24, 2829-2841.	3.0	12
18	Strengthening mechanisms of two-stage evaporation strategy on system performance for organic Rankine cycle. Energy, 2016, 101, 532-540.	8.8	36

#	Article	IF	Citations
19	Entransy dissipation/loss-based optimization of two-stage organic Rankine cycle (TSORC) with R245fa for geothermal power generation. Science China Technological Sciences, 2016, 59, 1524-1536.	4.0	19
20	Experimental Investigation on Characteristics of Evaporator Vaporization and Pressure Drops in an Organic Rankine Cycle (ORC). Energy Procedia, 2015, 75, 1631-1638.	1.8	7
21	Two-stage evaporation strategy to improve system performance for organic Rankine cycle. Applied Energy, 2015, 150, 323-334.	10.1	100
22	A thermodynamics comparison of subcritical and transcritical organic Rankine cycle system for power generation. Journal of Central South University, 2015, 22, 3641-3649.	3.0	6
23	Experimental comparison of R245fa and R245fa/R601a for organic Rankine cycle using scroll expander. International Journal of Energy Research, 2015, 39, 202-214.	4.5	35
24	Parametric optimization of organic Rankine cycle with R245fa/R601a as working fluid. Transactions of Tianjin University, 2015, 21, 69-75.	6.4	3
25	Evaluation of the Integrated Characteristics on Combustion and Drying Using Element Analysis. Energy & Fuels, 2014, 28, 4421-4430.	5.1	1
26	Comparative analysis of series and parallel geothermal systems combined power, heat and oil recovery in oilfield. Applied Thermal Engineering, 2013, 50, 1132-1141.	6.0	31
27	Performance analysis and improvement of geothermal binary cycle power plant in oilfield. Journal of Central South University, 2013, 20, 457-465.	3.0	12
28	Arrangement strategy of ground heat exchanger with groundwater. Transactions of Tianjin University, 2012, 18, 291-297.	6.4	5
29	Cascade utilization of low temperature geothermal water in oilfield combined power generation, gathering heat tracing and oil recovery. Applied Thermal Engineering, 2012, 40, 27-35.	6.0	70