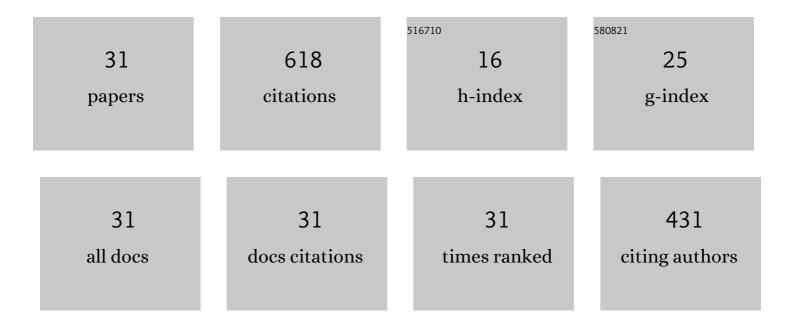
Xiaoye Dai

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Influence of thermal stability on organic Rankine cycle systems using siloxanes as working fluids. Applied Thermal Engineering, 2022, 200, 117639.	6.0	7
2	Comprehensive comparison of the applicability of internally ribbed and microfin tubes for TORC systems. International Journal of Heat and Mass Transfer, 2022, 186, 122470.	4.8	2
3	Image-based modelling of coke combustion in a multiscale porous medium using a micro-continuum framework. Journal of Fluid Mechanics, 2022, 932, .	3.4	6
4	Experimental study of the heat transfer of supercritical R1234yf as a substitute for R134a in a horizontal micro-fin tube. International Journal of Refrigeration, 2022, 144, 1-13.	3.4	4
5	Coupling effect between heat flux distribution and buoyancy of supercritical CO2 heat transfer with nonuniform heat flux in parabolic-trough collector. International Journal of Heat and Mass Transfer, 2022, 195, 123197.	4.8	5
6	A Comprehensive Experimental Study on Immiscible Displacements in Porous Media: Effects of Capillary Forces, Viscous Forces, Wettability and Pore Geometries. Journal of Thermal Science, 2021, 30, 2137-2149.	1.9	4
7	Pore-scale study of multicomponent multiphase heat and mass transfer mechanism during methane hydrate dissociation process. Chemical Engineering Journal, 2021, 423, 130206.	12.7	19
8	Material Compatibility of Hexamethyldisiloxane as Organic Rankine Cycle Working Fluids at High Temperatures. Journal of Thermal Science, 2020, 29, 25-31.	1.9	3
9	Standard thermodynamic properties for the energy grade evaluation of fossil fuels and renewable fuels. Renewable Energy, 2020, 147, 2160-2170.	8.9	44
10	Feasibility Analysis of the Operation Strategies for Combined Cooling, Heating and Power Systems (CCHP) based on the Energy-Matching Regime. Journal of Thermal Science, 2020, 29, 1149-1164.	1.9	4
11	Performance and parameter sensitivity comparison of CSP power cycles under wide solar energy temperature ranges and multiple working conditions. Energy Conversion and Management, 2020, 218, 112996.	9.2	7
12	Heat transfer of R134a in a horizontal internally ribbed tube and in a smooth tube under super critical pressure. Applied Thermal Engineering, 2020, 173, 115208.	6.0	7
13	Analysis of energy-matching performance and suitable users of conventional CCHP systems coupled with different energy storage systems. Energy Conversion and Management, 2019, 200, 112093.	9.2	29
14	Buoyancy effect on the mixed convection flow and heat transfer of supercritical R134a in heated horizontal tubes. International Journal of Heat and Mass Transfer, 2019, 144, 118607.	4.8	17
15	Review of the Working Fluid Thermal Stability for Organic Rankine Cycles. Journal of Thermal Science, 2019, 28, 597-607.	1.9	31
16	Performance assessment of CCHP systems with different cooling supply modes and operation strategies. Energy Conversion and Management, 2019, 192, 188-201.	9.2	36
17	Analysis of simplified CCHP users and energy-matching relations between system provision and user demands. Applied Thermal Engineering, 2019, 152, 532-542.	6.0	18
18	Comparison of capacity design modes and operation strategies and calculation of thermodynamic boundaries of energy-saving for CCHP systems in different energy supply scenarios. Energy Conversion and Management, 2019, 188, 296-309.	9.2	28

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#	ARTICLE	IF	CITATIONS
19	Experimental investigation of the heat transfer of supercritical R134a in a horizontal micro-fin tube. International Journal of Thermal Sciences, 2019, 138, 536-549.	4.9	13
20	Thermal stability of hexamethyldisiloxane (MM) as a working fluid for organic Rankine cycle. International Journal of Energy Research, 2019, 43, 896-904.	4.5	24
21	Analysis of energy matching performance between CCHP systems and users based on different operation strategies. Energy Conversion and Management, 2019, 182, 60-71.	9.2	35
22	Experimental study of R134a flow boiling in a horizontal tube for evaporator design under typical Organic Rankine Cycle pressures. International Journal of Heat and Fluid Flow, 2018, 71, 210-219.	2.4	12
23	Fluid-to-fluid scaling of heat transfer to mixed convection flow of supercritical pressure fluids. International Journal of Energy Research, 2018, 42, 3361-3377.	4.5	2
24	Thermal stability of some hydrofluorocarbons as supercritical ORCs working fluids. Applied Thermal Engineering, 2018, 128, 1095-1101.	6.0	59
25	Experimental Study on Sharp Increase of Wall Temperature in Vapor Generator for Organic Rankine Cycle. , 2018, , .		0
26	Study of Variable Turbulent Prandtl Number Model for Heat Transfer to Supercritical Fluids in Vertical Tubes. Journal of Thermal Science, 2018, 27, 213-222.	1.9	25
27	Influence of alkane working fluid decomposition on supercritical organic Rankine cycle systems. Energy, 2018, 153, 422-430.	8.8	19
28	Screening of working fluids and metal materials for high temperature organic Rankine cycles by compatibility. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	17
29	Exploration and Analysis of CO 2 + Hydrocarbons Mixtures as Working Fluids for Trans-critical ORC. Energy Procedia, 2017, 129, 145-151.	1.8	10
30	Screening of hydrocarbons as supercritical ORCs working fluids by thermal stability. Energy Conversion and Management, 2016, 126, 632-637.	9.2	82
31	Chemical kinetics method for evaluating the thermal stability of Organic Rankine Cycle working fluids. Applied Thermal Engineering, 2016, 100, 708-713.	6.0	49