

# Fang Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

158  
citations

1307594

7  
h-index

1199594

12  
g-index

24  
all docs

24  
docs citations

24  
times ranked

120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experiment and simulation study on performances of heat pump water heater using blend of R744/R290. <i>Energy and Buildings</i> , 2018, 169, 148-156.	6.7	38
2	Effects of structural parameters on fluid flow and heat transfer in a serpentine microchannel with fan-shaped reentrant cavities. <i>Applied Thermal Engineering</i> , 2019, 151, 406-416.	6.0	29
3	Experimental study on an inverter heat pump with HFC125 operating near the refrigerant critical point. <i>Applied Thermal Engineering</i> , 2012, 39, 1-7.	6.0	20
4	Thermal and hydraulic performances of the wavy microchannel heat sink with fan-shaped ribs on the sidewall. <i>International Journal of Thermal Sciences</i> , 2022, 179, 107688.	4.9	16
5	An investigation of a heat pump system using CO <sub>2</sub> /propane mixture as a working fluid. <i>International Journal of Green Energy</i> , 2017, 14, 105-111.	3.8	14
6	Performance assessment of heat pumps using HFC125/HCs mixtures. <i>International Journal of Energy Research</i> , 2012, 36, 1005-1014.	4.5	7
7	Parametric investigation of thermal-hydrodynamic performance in the innovative helically coiled heat exchangers in the heat pump system. <i>Energy and Buildings</i> , 2020, 216, 109961.	6.7	7
8	Flow behavior and film thickness of gas-oil two-phase flow in the single screw expander. <i>International Journal of Mechanical Sciences</i> , 2022, 216, 106971.	6.7	6
9	Theoretical study of heat pump system using CO <sub>2</sub> /dimethylether as refrigerant. <i>Thermal Science</i> , 2013, 17, 1261-1268.	1.1	5
10	Thermodynamic comparison of R744/R600a and R744/R600 used in mid-high temperature heat pump system. <i>Thermal Science</i> , 2014, 18, 1655-1659.	1.1	4
11	Performance Research on Heat Pump Using Blends of R744 with Eco-friendly Working Fluid. <i>Procedia Engineering</i> , 2017, 205, 2297-2302.	1.2	4
12	Energy and exergy analysis of heat pump using R744/R32 refrigerant mixture. <i>Thermal Science</i> , 2014, 18, 1649-1654.	1.1	4
13	Solar ejector refrigerant system in China's residential buildings. <i>Thermal Science</i> , 2014, 18, 1643-1647.	1.1	2
14	Experimental investigation on optimal temperature lift of an inverter heat pump system. <i>Thermal Science</i> , 2013, 17, 1459-1465.	1.1	1
15	Research on Condensation Pressure and Temperature of Heat Pumps Using Blends of CO <sub>2</sub> with Butane and Isobutane. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 791-797.	0.4	1
16	Thermodynamic Analysis of Refrigeration Cycle Performance with R125/R600a Mixtures. <i>Key Engineering Materials</i> , 0, 474-476, 1643-1647.	0.4	0
17	Experimental Study of the Compressor for the HFC125 Heat Pump. <i>Advanced Materials Research</i> , 2011, 374-377, 524-529.	0.3	0
18	Heating Performance of Zeotropic Mixture and Temperature Glide Matching with Secondary Fluid. <i>Key Engineering Materials</i> , 2011, 474-476, 1657-1660.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Performance Assessment of Blends of CO <sub>2</sub> With Eco-Friendly Working Fluids for Heat Pump Applications. , 2013, , .		0
20	Characteristics of a micro-fin evaporator: Theoretical analysis and experimental verification. Thermal Science, 2013, 17, 1443-1447.	1.1	0
21	Behavior and Performance of Refrigerant Mixture HFC125/HC290 in Heat Pumps. , 2013, , .		0
22	A Ventilation Cooling Solution to Improve Thermal Environment of High Energy Density Li-Ion Battery Packs. , 2015, , .		0
23	Influences of Variable Mass Flowrate of Refrigerant Blend R125/R290 on Heat Pump Performance. , 2015, , .		0
24	Binary blend of carbon dioxide and fluoro ethane as working fluid in transcritical heat pump systems. Thermal Science, 2015, 19, 1317-1321.	1.1	0