Wen-Tao Ji

List of Publications by Year
in descending order

56 papers	1,367 citations	279798 23 h-index	361022 35 g-index
56 all docs	56 docs citations	56 times ranked	558 citing authors

#	Article	IF	Citations
1	Numerical investigation of tube bundle arrangement effect on falling film fluid flow and heat transfer. Applied Thermal Engineering, 2022, 201, 117828.	6.0	20
2	A comprehensive review on computational studies of falling film hydrodynamics and heat transfer on the horizontal tube and tube bundle. Applied Thermal Engineering, 2022, 202, 117869.	6.0	35
3	The effect of gas streams on the hydrodynamics, heat and mass transfer in falling film evaporation, absorption, cooling and dehumidification: A comprehensive review. Building and Environment, 2022, 219, 109183.	6.9	13
4	Effect of subsurface tunnel on the nucleate pool boiling heat transfer of R1234ze(E), R1233zd(E) and R134a. International Journal of Refrigeration, 2021, 122, 122-133.	3.4	10
5	Effect of shape and distribution of pin-fins on the flow and heat transfer characteristics in the rectangular cooling channel. International Journal of Thermal Sciences, 2021, 161, 106758.	4.9	27
6	Liquid film boiling on plain and structured tubular surfaces with and without hydrophobic coating. International Communications in Heat and Mass Transfer, 2021, 125, 105284.	5.6	10
7	Effect of wettability on nucleate pool boiling heat transfer of a low surface tension fluid outside horizontal finned tubes. International Communications in Heat and Mass Transfer, 2021, 125, 105340.	5.6	9
8	Topology optimization of the manifold microchannels with triple-objective functions. Numerical Heat Transfer, Part B: Fundamentals, 2021, 80, 89-114.	0.9	7
9	Deposition of nano-scale polymer film on micro-fins to enhance the film-wise condensation of very low surface tension substances. International Journal of Heat and Mass Transfer, 2021, 177, 121499.	4.8	4
10	Peripheral heat transfer prediction of the subcooled falling liquid film on a horizontal smooth tube. Physics of Fluids, 2021, 33, .	4.0	6
11	Bioactivities and Structureâ€"Activity Relationships of Fusidic Acid Derivatives: A Review. Frontiers in Pharmacology, 2021, 12, 759220.	3.5	15
12	Film-wise condensation of R-134a, R-1234ze(E) and R-1233zd(E) outside the finned tubes with different fin thickness. International Journal of Heat and Mass Transfer, 2020, 146, 118829.	4.8	15
13	Falling film evaporation in a triangular tube bundle under the influence of cross vapor stream. International Journal of Refrigeration, 2020, 112, 44-55.	3.4	15
14	Experimental investigation on the ice melting heat transfer with a steam jet impingement method. International Communications in Heat and Mass Transfer, 2020, 118, 104901.	5.6	3
15	Numerical study on flow and heat transfer in a multi-jet microchannel heat sink. International Journal of Heat and Mass Transfer, 2020, 157, 119982.	4.8	32
16	Synthesis, antifungal activity and potential mechanism of fusidic acid derivatives possessing amino-terminal groups. Future Medicinal Chemistry, 2020, 12, 763-774.	2.3	8
17	Experimental study of falling film evaporation in tube bundles of doubly-enhanced, horizontal tubes. Applied Thermal Engineering, 2020, 170, 115006.	6.0	14
18	Effect of Fin Structure on the Condensation of R-134a, R-1234ze(E), and R-1233zd(E) Outside the Titanium Tubes. Journal of Heat Transfer, 2020, 142, .	2.1	3

#	ARTICLE	IF	CITATIONS
19	Numerical investigation on the nucleate pool boiling heat transfer of R134a outside the plain tube. Numerical Heat Transfer; Part A: Applications, 2019, 76, 889-908.	2.1	5
20	Discovery and synthesis of 3- and 21-substituted fusidic acid derivatives as reversal agents of P-glycoprotein-mediated multidrug resistance. European Journal of Medicinal Chemistry, 2019, 182, 111668.	5.5	11
21	Numerical and experimental investigation on the condensing heat transfer of R134a outside plain and integral-fin tubes. Applied Thermal Engineering, 2019, 159, 113878.	6.0	12
22	A revised performance evaluation method for energy saving effectiveness of heat transfer enhancement techniques. International Journal of Heat and Mass Transfer, 2019, 138, 1142-1153.	4.8	36
23	Effects of magnetic field on the pool boiling heat transfer of water-based Î±-Fe2O3 and Î³-Fe2O3 nanofluids. International Journal of Heat and Mass Transfer, 2019, 128, 762-772.	4.8	33
24	Heat transfer correlations of refrigerant falling film evaporation on a single horizontal smooth tube. International Journal of Heat and Mass Transfer, 2019, 133, 96-106.	4.8	39
25	Falling film evaporation and nucleate pool boiling heat transfer of R134a on the same enhanced tube. Applied Thermal Engineering, 2019, 147, 113-121.	6.0	30
26	A comprehensive numerical study on the subcooled falling film heat transfer on a horizontal smooth tube. International Journal of Heat and Mass Transfer, 2018, 119, 259-270.	4.8	66
27	Hydrodynamic behaviors of the falling film flow on a horizontal tube and construction of new film thickness correlation. International Journal of Heat and Mass Transfer, 2018, 119, 564-576.	4.8	63
28	Effect of downward vapor stream on falling film evaporation of R134a in a tube bundle. International Journal of Refrigeration, 2018, 89, 112-121.	3.4	22
29	Experimental investigation of R410A and R32 falling film evaporation on horizontal enhanced tubes. Applied Thermal Engineering, 2018, 137, 739-748.	6.0	44
30	Cross Vapor Stream Effect on Falling Film Evaporation in Horizontal Tube Bundle Using R134a. Heat Transfer Engineering, 2018, 39, 724-737.	1.9	16
31	Experimental study of the local and average falling film evaporation coefficients in a horizontal enhanced tube bundle using R134a. Applied Thermal Engineering, 2018, 129, 502-511.	6.0	44
32	Experimental Characterization of the Thermal Conductivity and Microstructure of Opacifier-Fiber-Aerogel Composite. Molecules, 2018, 23, 2198.	3.8	25
33	Pool boiling heat transfer of water and nanofluid outside the surface with higher roughness and different wettability. Nanoscale and Microscale Thermophysical Engineering, 2018, 22, 296-323.	2.6	26
34	Condensation heat transfer of R134a, R1234ze(E) and R290 on horizontal plain and enhanced titanium tubes. International Journal of Refrigeration, 2018, 93, 259-268.	3.4	21
35	Condensation of R134a and R22 in Shell and Tube Condensers Mounted With High-Density Low-Fin Tubes. Journal of Heat Transfer, 2018, 140, .	2.1	11
36	COMPARATIVE STUDY ON THE POOL BOILING AND FALLING FILM EVAPORATION OF REFRIGERANT R134A OUTSIDE THE SAME TUBES. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Experimental investigations of R134a and R123 falling film evaporation on enhanced horizontal tubes. International Journal of Refrigeration, 2017, 75, 190-203.	3.4	56
38	Summary and evaluation on the heat transfer enhancement techniques of gas laminar and turbulent pipe flow. International Journal of Heat and Mass Transfer, 2017, 111, 467-483.	4.8	32
39	Pool boiling heat transfer of R134a outside reentrant cavity tubes at higher heat flux. Applied Thermal Engineering, 2017, 127, 1364-1371.	6.0	22
40	The influence of surface structure and thermal conductivity of the tube on the condensation heat transfer of R134a and R404A over single horizontal enhanced tubes. Applied Thermal Engineering, 2017, 125, 1114-1122.	6.0	24
41	An example for the effect of round-off errors on numerical heat transfer. Numerical Heat Transfer, Part B: Fundamentals, 2017, 72, 21-32.	0.9	2
42	Heat transfer correlation of the falling film evaporation on a single horizontal smooth tube. Applied Thermal Engineering, 2016, 103, 177-186.	6.0	72
43	Effect of vapor flow on the falling film evaporation of R134a outside a horizontal tube bundle. International Journal of Heat and Mass Transfer, 2016, 92, 1171-1181.	4.8	51
44	Experimental validation of Cooper correlation at higher heat flux. International Journal of Heat and Mass Transfer, 2015, 90, 1241-1243.	4.8	10
45	Summary and evaluation on single-phase heat transfer enhancement techniques of liquid laminar and turbulent pipe flow. International Journal of Heat and Mass Transfer, 2015, 88, 735-754.	4.8	85
46	Film condensing heat transfer of R134a on single horizontal tube coated with open cell copper foam. Applied Thermal Engineering, 2015, 76, 335-343.	6.0	30
47	Nucleate pool boiling and filmwise condensation heat transfer of R134a on the same horizontal tubes. International Journal of Heat and Mass Transfer, 2015, 86, 744-754.	4.8	31
48	Condensation of R134a outside single horizontal titanium, cupronickel (B10 and B30), stainless steel and copper tubes. International Journal of Heat and Mass Transfer, 2014, 77, 194-201.	4.8	35
49	Experimental Study of Water Cooled Condenser Made of Three Dimensional and High Fin Density Integral-Finned Tubes. , 2014, , .		0
50	Parameter Comparison of Condensation Heat Transfer of R134a Outside Horizontal Low-Finned Tubes. , 2014, , .		1
51	Thermally stimulated current and dielectric studies of liquid crystal composites. , 2013, , .		0
52	Prediction of fully developed turbulent heat transfer of internal helically ribbed tubes ? An extension of Gnielinski equation. International Journal of Heat and Mass Transfer, 2012, 55, 1375-1384.	4.8	63
53	Influence of condensate inundation on heat transfer of R134a condensing on three dimensional enhanced tubes and integral-fin tubes with high fin density. Applied Thermal Engineering, 2012, 38, 151-159.	6.0	22
54	Pool boiling heat transfer of R134a on single horizontal tube surfaces sintered with open-celled copper foam. International Journal of Thermal Sciences, 2011, 50, 2248-2255.	4.9	27

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55	Nucleate Pool Boiling Heat Transfer of R134a and R134a-PVE Lubricant Mixtures on Smooth and Five Enhanced Tubes. Journal of Heat Transfer, 2010, 132, .	2.1	35
56	Condensation heat transfer of HFC134a on horizontal low thermal conductivity tubes. International Communications in Heat and Mass Transfer, 2007, 34, 917-923.	5.6	19