

Mitsuhiro Fukuta

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

279
citations

933447

10
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

192
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of 25kHz ultrasound from single and double transducers on thermal and friction characteristics of laminar flows in water or water-based Al ₂ O ₃ nanofluids. International Journal of Thermal Sciences, 2022, 178, 107604.	4.9	9
2	Quality measurement of refrigerant two-phase flow in refrigeration cycles. Flow Measurement and Instrumentation, 2021, 77, 101880.	2.0	4
3	Leakage and friction characteristics at sliding surface of tip seal in scroll compressors. International Journal of Refrigeration, 2021, 125, 104-112.	3.4	11
4	Thermal characterization of a heating cylinder under ultrasonic effects. International Journal of Heat and Mass Transfer, 2021, 175, 121393.	4.8	10
5	Experimental study on contribution of clustering structure to surface tension change of magnetic fluid under magnetic field. Journal of Magnetism and Magnetic Materials, 2020, 499, 166285.	2.3	3
6	Wettability of metal surface with oil/refrigerant mixture. International Journal of Refrigeration, 2020, 119, 131-138.	3.4	6
7	A review on expanders and their performance in vapour compression refrigeration systems. International Journal of Refrigeration, 2019, 106, 427-446.	3.4	54
8	Measurement of time series variation of thermal diffusivity of magnetic fluid under magnetic field by forced Rayleigh scattering method. Journal of Magnetism and Magnetic Materials, 2017, 428, 229-234.	2.3	2
9	Surface tension measurement of oil/refrigerant mixture by maximum bubble pressure method. International Journal of Refrigeration, 2017, 73, 125-133.	3.4	21
10	Suppression of heat transfer of turbulent magnetic fluid flow by applying uniform magnetic field. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 113-120.	0.6	2
11	Performance of radial piston type reciprocating expander for CO ₂ refrigeration cycle. International Journal of Refrigeration, 2014, 42, 48-56.	3.4	24
12	Characteristics of CO ₂ transcritical expansion process. HVAC and R Research, 2013, 19, 767-778.	0.6	7
13	Refrigerant concentration measurement at compressor oil sump by refractive index (concentration) Tj ETQq1 1 0.784314 rgBT /Overl	3.4	15
14	Performance of Vane-Type CO ₂ Expander and Characteristics of Transcritical Expansion Process. HVAC and R Research, 2009, 15, 711-727.	0.6	25
15	Real-time measurement of mixing ratio of refrigerant/refrigeration oil mixture. International Journal of Refrigeration, 2006, 29, 1058-1065.	3.4	18
16	Mixing and separation characteristics of isobutane with refrigeration oil. International Journal of Refrigeration, 2005, 28, 997-1005.	3.4	26
17	Concentration measurement of refrigerant/refrigeration oil mixture by refractive index. International Journal of Refrigeration, 2004, 27, 346-352.	3.4	23
18	Study on fundamental performance of scroll expander.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1988, 54, 2798-2803.	0.2	19