Mitsuhiro Fukuta

List of Publications by Year
in descending order

18	279	933447 10	888059 17
papers	citations	h-index	g-index

18	18	18	192
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review on expanders and their performance in vapour compression refrigeration systems. International Journal of Refrigeration, 2019, 106, 427-446.	3.4	54
2	Mixing and separation characteristics of isobutane with refrigeration oil. International Journal of Refrigeration, 2005, 28, 997-1005.	3.4	26
3	Performance of Vane-Type CO ₂ Expander and Characteristics of Transcritical Expansion Process. HVAC and R Research, 2009, 15, 711-727.	0.6	25
4	Performance of radial piston type reciprocating expander for CO2 refrigeration cycle. International Journal of Refrigeration, 2014, 42, 48-56.	3.4	24
5	Concentration measurement of refrigerant/refrigeration oil mixture by refractive index. International Journal of Refrigeration, 2004, 27, 346-352.	3.4	23
6	Surface tension measurement of oil/refrigerant mixture by maximum bubble pressure method. International Journal of Refrigeration, 2017, 73, 125-133.	3.4	21
7	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
8	Real-time measurement of mixing ratio of refrigerant/refrigeration oil mixture. International Journal of Refrigeration, 2006, 29, 1058-1065.	3.4	18
9	Refrigerant concentration measurement at compressor oil sump by refractive index (concentration) Tj ETQq1 1 0.784314 rgBT /Overl	3.4	15
10	Leakage and friction characteristics at sliding surface of tip seal in scroll compressors. International Journal of Refrigeration, 2021, 125, 104-112.	3.4	11
11	Thermal characterization of a heating cylinder under ultrasonic effects. International Journal of Heat and Mass Transfer, 2021, 175, 121393.	4.8	10
12	Effects of 25ÂkHz ultrasound from single and double transducers on thermal and friction characteristics of laminar flows in water or water-based Al2O3 nanofluids. International Journal of Thermal Sciences, 2022, 178, 107604.	4.9	9
13	Characteristics of CO ₂ transcritical expansion process. HVAC and R Research, 2013, 19, 767-778.	0.6	7
14	Wettability of metal surface with oil/refrigerant mixture. International Journal of Refrigeration, 2020, 119, 131-138.	3.4	6
15	Quality measurement of refrigerant two-phase flow in refrigeration cycles. Flow Measurement and Instrumentation, 2021, 77, 101880.	2.0	4
16	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
17	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
18	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