

Seungwhan Baek

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thermal performance evaluation and analysis of helium heat exchanger for cryogenic propellant launch vehicle. <i>Cryogenics</i> , 2022, 124, 103492.	0.9	1
2	A new method for heat transfer coefficient measurements of single-phase fluids during laminar flow in microchannels. <i>International Journal of Heat and Mass Transfer</i> , 2020, 157, 119891.	2.5	10
3	Investigation of the ejector application in the cryogenic Joule-Thomson refrigeration system. <i>Energy</i> , 2018, 165, 269-280.	4.5	22
4	Design of high-efficiency Joule-Thomson cycles for high-temperature superconductor power cable cooling. <i>Cryogenics</i> , 2018, 93, 17-25.	0.9	6
5	Flow boiling heat transfer of R123/R134a mixture in a microchannel. <i>Experimental Thermal and Fluid Science</i> , 2018, 99, 474-486.	1.5	16
6	Heat transfer coefficient measurement of LN2 and GN2 in a microchannel at low Reynolds flow. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 222-233.	2.5	11
7	Investigation of ejector-equipped Joule-Thomson refrigerator operating below 77 K. <i>International Journal of Refrigeration</i> , 2017, 78, 93-107.	1.8	15
8	Effect of flow maldistribution and axial conduction on compact microchannel heat exchanger. <i>Cryogenics</i> , 2014, 60, 49-61.	0.9	58
9	Heat and mass transfer of submerged helium injection in liquid oxygen vessel. <i>Cryogenics</i> , 2014, 64, 272-282.	0.9	13
10	Development of a closed-loop J-T cryoablation device with a long cooling area and multiple expansion parts. <i>Medical Engineering and Physics</i> , 2014, 36, 1464-1472.	0.8	6
11	Investigation of two-phase heat transfer coefficients of argon-freon cryogenic mixed refrigerants. <i>Cryogenics</i> , 2014, 64, 29-39.	0.9	9
12	Microchannel heat exchanger for two-phase Mixed Refrigerant Joule Thomson process. , 2014, , .		0
13	Investigation of Two Phase Heat Transfer Coefficients of Cryogenic Mixed Refrigerants. , 2013, , .		0
14	Elongating axial conduction path design to enhance performance of cryogenic compact pche (printed) Tj ETQq0 0 0 rgBT /Overlock 10 T		3
15	Experimental approach to suppress two-phase flow in cryogenic liquid transfer process with the inverted U-bend pipe. <i>Experimental Thermal and Fluid Science</i> , 2012, 42, 116-124.	1.5	2
16	Development of highly effective cryogenic printed circuit heat exchanger (PCHE) with low axial conduction. <i>Cryogenics</i> , 2012, 52, 366-374.	0.9	55
17	Pressure drop characteristics of cryogenic mixed refrigerant at macro and micro channel heat exchangers. <i>Cryogenics</i> , 2012, 52, 689-694.	0.9	10
18	Partial flow compensation by transverse bypass configuration in multi-channel cryogenic compact heat exchanger. <i>Cryogenics</i> , 2012, 52, 19-26.	0.9	9

#	ARTICLE	IF	CITATIONS
19	Novel design of LNG (liquefied natural gas) reliquefaction process. Energy Conversion and Management, 2011, 52, 2807-2814.	4.4	21
20	The Tests of 1kW Diesel Reformer and Solid Oxide Fuel Cell System. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	3
21	Hydraulic performance of a microchannel PCHE. Applied Thermal Engineering, 2010, 30, 2157-2162.	3.0	45
22	Characterization of PSCF3737 for Intermediate Temperature-Operating Solid Oxide Fuel Cell (IT-SOFC). , 2008, , .		0
23	Preparatory Tests for 1kW Diesel-Powered SOFC Systems. , 2008, , .		1