Chiwoong Choi

List of Publications by Year
in descending order

21 papers	396 citations	1040056 9 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	351 citing authors

#	Article	IF	Citations
1	Flow boiling behaviors in hydrophilic and hydrophobic microchannels. Experimental Thermal and Fluid Science, 2011, 35, 816-824.	2.7	91
2	Adiabatic two-phase flow in rectangular microchannels with different aspect ratios: Part I â€“ Flow pattern, pressure drop and void fraction. International Journal of Heat and Mass Transfer, 2011, 54, 616-624.	4.8	73
3	Surface wettability effect on flow pattern and pressure drop in adiabatic two-phase flows in rectangular microchannels with T-junction mixer. Experimental Thermal and Fluid Science, 2011, 35, 1086-1096.	2.7	56
4	Flow pattern based correlations of two-phase pressure drop in rectangular microchannels. International Journal of Heat and Fluid Flow, 2011, 32, 1199-1207.	2.4	43
5	Adiabatic two-phase flow in rectangular microchannels with different aspect ratios: Part II â€“ bubble behaviors and pressure drop in single bubble. International Journal of Heat and Mass Transfer, 2010, 53, 5242-5249.	4.8	36
6	Design Concept of Advanced Sodium-Cooled Fast Reactor and Related R&D in Korea. Science and Technology of Nuclear Installations, 2013, 2013, 1-18.	0.8	18
7	Code validation and development for MHD analysis of liquid metal flow in Korean TBM. Fusion Engineering and Design, 2012, 87, 951-955.	1.9	17
8	Pressure drop and dynamic contact angle of triple-line motion in a hydrophobic microchannel. Experimental Thermal and Fluid Science, 2012, 39, 60-70.	2.7	15
9	The fabrication of a single glass microchannel to study the hydrophobicity effect on two-phase flow boiling of water. Journal of Micromechanics and Microengineering, 2008, 18, 105016.	2.6	12
10	Thermal-hydraulic analyses of passive reactor vault cooling system (RVCS) in PGSFR using MARS-LMR. Annals of Nuclear Energy, 2018, 117, 333-342.	1.8	9
11	Wettability Effects on Heat Transfer. , 0, , .		8
12	Performance test of MARS-LMR code with benchmark analysis of EBR-II SHRT-17. Annals of Nuclear Energy, 2016, 94, 376-391.	1.8	8
13	The sensitivity analysis for IHTS and SG due to the Large-scale Sodium-Water Reaction event in PGSFR. Annals of Nuclear Energy, 2018, 118, 26-34.	1.8	5
14	Validation of the finned sodiumâ€“air heat exchanger model in MARS-LMR. Annals of Nuclear Energy, 2016, 94, 213-222.	1.8	2
15	Bubble Dynamics and Pressure Drop of a Single Bubble in a Rectangular Microchannel. , 2009, , .		1
16	Analyses of UTOP events for the design of control rod stop system in PGSFR using MARS-LMR. Annals of Nuclear Energy, 2016, 96, 422-431.	1.8	1
17	Analyses of LOFT LP-FW-1 using SPACE code. Annals of Nuclear Energy, 2020, 135, 107001.	1.8	1
18	Wettability Effect on Flow Boiling in an MEMS-Based Single Glass Microchannel. , 2008, , .		0

#	Article	IF	Citations
19	Aspect Ratio Effect on Adiabatic Two-Phase Flow in Rectangular Microchannels. , 2009, , .		0
20	The Pressure Drop and Dynamic Contact Angle of Motion of Triple-Lines in Hydrophobic Microchannels. , 2010, , .		0
21	MATRA-LMR-FB assessment with THORS bundle 2B experiments. Nuclear Engineering and Design, 2015, 282, 15-27.	1.7	0