

Sang Yong Lee

List of Publications by Year in descending order

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31
papers

1,341
citations

430874

18
h-index

477307

29
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31
all docs

31
docs citations

31
times ranked

808
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure drop correlations for two-phase flow within horizontal rectangular channels with small heights. International Journal of Multiphase Flow, 2001, 27, 783-796.	3.4	303
2	Heat transfer correlation for boiling flows in small rectangular horizontal channels with low aspect ratios. International Journal of Multiphase Flow, 2001, 27, 2043-2062.	3.4	298
3	Influence of surface wettability on transition of two-phase flow pattern in round mini-channels. International Journal of Multiphase Flow, 2008, 34, 706-711.	3.4	103
4	Maximum spreading of a shear-thinning liquid drop impacting on dry solid surfaces. Experimental Thermal and Fluid Science, 2012, 38, 140-148.	2.7	53
5	Pressure drop of two-phase plug flow in round mini-channels: Influence of surface wettability. Experimental Thermal and Fluid Science, 2008, 32, 1716-1722.	2.7	52
6	Linear analysis of flow instabilities in an open two-phase natural circulation loop. Nuclear Engineering and Design, 1991, 128, 317-330.	1.7	48
7	Experimental observations on flow characteristics in an open two-phase natural circulation loop. Nuclear Engineering and Design, 1994, 150, 163-176.	1.7	48
8	Sizing of spray particles using image processing technique. Journal of Mechanical Science and Technology, 2004, 18, 879-894.	0.4	44
9	Periodic flow excursion in an open two-phase natural circulation loop. Nuclear Engineering and Design, 1996, 162, 233-244.	1.7	37
10	Recent progress of spray-wall interaction research. Journal of Mechanical Science and Technology, 2006, 20, 1101-1117.	1.5	34
11	Size prediction of drops formed by dripping at a micro T-junction in liquid-liquid mixing. Experimental Thermal and Fluid Science, 2011, 35, 387-394.	2.7	33
12	Observation of the spreading and receding behavior of a shear-thinning liquid drop impacting on dry solid surfaces. Experimental Thermal and Fluid Science, 2012, 37, 37-45.	2.7	33
13	Experimental observation of flow instability in a semi-closed two-phase natural circulation loop. Nuclear Engineering and Design, 2000, 196, 359-367.	1.7	32
14	Microchannel Heat Exchanger Design for Evaporator and Condenser Applications. Advances in Heat Transfer, 2003, 37, 297-429.	0.9	31
15	Optimization of heat recovery steam generator through exergy analysis for combined cycle gas turbine power plants. International Journal of Energy Research, 2008, 32, 859-869.	4.5	25
16	Behavior of a water drop impinging on heated porous surfaces. Experimental Thermal and Fluid Science, 2014, 55, 62-70.	2.7	23
17	Split of two-phase plug flow with elongated bubbles at a microscale branching T-junction. Chemical Engineering Science, 2015, 134, 119-128.	3.8	21
18	Pressure drop of two-phase dry-plug flow in round mini-channels: Effect of moving contact line. Experimental Thermal and Fluid Science, 2010, 34, 1-9.	2.7	19

#	ARTICLE	IF	CITATIONS
19	Characteristics of two-phase natural circulation in freon-113 boiling loop. Nuclear Engineering and Design, 1990, 121, 69-81.	1.7	18
20	A simple technique for sizing and counting spray drops using digital image processing. Experimental Thermal and Fluid Science, 1990, 3, 214-221.	2.7	12
21	Effect of liquid level on flow behaviors inside a multi-stage flash evaporator " A numerical prediction. Desalination, 1992, 85, 161-177.	8.2	12
22	An analytical investigation of role of expansion tank in semi-closed two-phase natural circulation loop. Nuclear Engineering and Design, 1999, 190, 353-360.	1.7	11
23	Numerical predictions of evaporative behaviors of horizontal stream inside a multi-stage-flash distillator. Desalination, 1990, 79, 13-35.	8.2	9
24	Thermally induced flow oscillation in vertical two-phase natural circulation loop. Nuclear Engineering and Design, 1990, 122, 119-132.	1.7	9
25	Measurement of Fluid Temperature Across Microscale Gap Using Two-Color Ratiometric Laser-Induced Fluorescence Technique in Combination With Confocal Microscopy. Journal of Heat Transfer, 2009, 131, .	2.1	8
26	Dependence of micro-drop generation performance on dispenser geometry. Experimental Thermal and Fluid Science, 2011, 35, 1565-1574.	2.7	8
27	Examination of transient characteristics of two-phase natural circulation within a Freon-113 boiling/condensation loop. Nuclear Engineering and Design, 1998, 183, 77-95.	1.7	6
28	ONE-DIMENSIONAL MODEL FOR THE PREDICTION OF IMPACT DYNAMICS OF A SHEAR-THINNING LIQUID DROP ON DRY SOLID SURFACES. Atomization and Sprays, 2012, 22, 371-389.	0.8	6
29	Droplet Formation by Dripping at Micro T-Junction in Liquid-Liquid Mixing. , 2010, , .		3
30	DROP-IMPINGING BEHAVIOR ON STRUCTURED SURFACES-A SHORT REVIEW. Atomization and Sprays, 2014, 24, 801-825.	0.8	1
31	Pressure Drop of Two-Phase Dry-Plug Flow in Round Mini-Channels. , 2008, , .		1