Liangxing Li

List of Publications by Year
in descending order

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41 papers	631 citations	687363 13 h-index	580821 25 g-index
41 all docs	41 docs citations	41 times ranked	459 citing authors

#	Article	IF	Citations
1	Flow and heat transfer characteristics of liquid metal and supercritical CO2 in a twisted tube heat exchanger. International Journal of Thermal Sciences, 2022, 174, 107453.	4.9	12
2	Identification of two-phase flow pattern in porous media based on signal feature extraction. Flow Measurement and Instrumentation, 2022, 83, 102123.	2.0	4
3	Experimental and numerical studies on the two-dimensional flow characteristics in the radially stratified porous bed. International Communications in Heat and Mass Transfer, 2022, 133, 105940.	5.6	0
4	Experimental study and analysis on the interfacial drag of two-phase flow in porous media. Annals of Nuclear Energy, 2022, 172, 109085.	1.8	0
5	Design and hydraulic performance studies on an axial <scp>leadâ€bismuth</scp> pump for <scp>GENâ€IV</scp> reactors. International Journal of Energy Research, 2021, 45, 11822-11836.	4.5	4
6	Three-dimensional modeling and loss-of-coolant accident analysis of high temperature gas cooled reactor. Annals of Nuclear Energy, 2021, 150, 107840.	1.8	2
7	Pressure Drops and Dryout Heat Fluxes of Packed Beds with Cylindrical Particles. Heat Transfer Engineering, 2020, 41, 1014-1025.	1.9	3
8	A sensitivity analysis of bubble departure behavior in vertical channel nucleate boiling. International Journal of Thermal Sciences, 2020, 157, 106497.	4.9	4
9	Pressure drop in packed beds with horizontally or vertically stratified structure. Nuclear Engineering and Technology, 2020, 52, 2491-2498.	2.3	7
10	Experimental study of bubble formation process on the micro-orifice in mini channels. Experimental Thermal and Fluid Science, 2020, 117, 110144.	2.7	8
11	EXPERIMENTAL INVESTIGATION ON PRESSURE DROPS IN FIXED POROUS BEDS PACKED WITH SAND PARTICLES. Journal of Porous Media, 2020, 23, 267-281.	1.9	0
12	Development of Heat Transfer Correlation for Supercritical Water in Vertical Upward Tubes. Heat Transfer Engineering, 2019, 40, 652-666.	1.9	11
13	THREE-DIMENSIONAL MODELING AND THERMAL HYDRAULIC ANALYSIS OF HIGH TEMPERATURE GAS-COOLED REACTOR CORE. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2019, 2019.27, 1788.	0.0	0
14	THE THEORETICAL AND NUMERICAL ANALYSIS ON A MULTI-BLADE LIQUID LEAD PUMP. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2019, 2019.27, 1785.	0.0	0
15	Investigations on two-phase flow resistances and its model modifications in a packed bed. International Journal of Multiphase Flow, 2018, 101, 24-34.	3.4	19
16	An improved model on flow distributions of supercritical pressure water in parallel heated pipes. Applied Thermal Engineering, 2018, 130, 793-803.	6.0	11
17	Flow resistances characteristics in a particulate bed with the configurations of uniform mixture and stratification. Annals of Nuclear Energy, 2018, 112, 62-70.	1.8	5
18	An experimental study on two-phase flow resistances and interfacial drag in packed porous beds. Nuclear Engineering and Technology, 2018, 50, 842-848.	2.3	5

#	Article	IF	Citations
19	Numerical study on the effect of pipe wall heat storage on density wave instability of supercritical water. Nuclear Engineering and Design, 2018, 335, 106-115.	1.7	12
20	Pressure losses and interfacial drag for two-phase flow in porous beds with coarse particles. Annals of Nuclear Energy, 2017, 101, 481-488.	1.8	16
21	Pressure Drops and Model Modification for Two-Phase Flow in Porous Beds With Coarse Particles. , 2017, , .		0
22	Investigation of the effect of magnetic field on melting of solid gallium in a bottom-heated rectangular cavity using the lattice Boltzmann method. Numerical Heat Transfer; Part A: Applications, 2016, 69, 1263-1279.	2.1	30
23	Effect of fluid temperature on the frictional coefficient of supercritical pressure water flowing in adiabatic horizontal tubes. Experimental Thermal and Fluid Science, 2016, 75, 189-198.	2.7	6
24	Pressure drops of single/two-phase flows through porous beds with multi-sizes spheres and sands particles. Annals of Nuclear Energy, 2015, 85, 290-295.	1.8	17
25	Experimental study on heat transfer to the supercritical water upward flow in a vertical tube with internal helical ribs. International Journal of Heat and Mass Transfer, 2015, 89, 1044-1053.	4.8	35
26	A new model for studying the density wave instabilities of supercritical water flows in tubes. Applied Thermal Engineering, 2015, 75, 397-409.	6.0	42
27	Numerical investigation on the melting of nanoparticle-enhanced phase change materials (NEPCM) in a bottom-heated rectangular cavity using lattice Boltzmann method. International Journal of Heat and Mass Transfer, 2015, 81, 415-425.	4.8	131
28	Study on two-phase flow instabilities in internally-ribbed tubes by using frequency domain method. Applied Thermal Engineering, 2014, 65, 1-13.	6.0	26
29	An experimental study on coolability of a particulate bed with radial stratification or triangular shape. Nuclear Engineering and Design, 2014, 276, 54-63.	1.7	20
30	Bubble behavior of flow boiling in horizontal rectangular channels with inclined ribs. International Journal of Heat and Mass Transfer, 2014, 75, 514-522.	4.8	10
31	A numerical analysis on hydrodynamic deformation of molten droplets in a water pool. Annals of Nuclear Energy, 2013, 53, 228-237.	1.8	19
32	An experimental study on the effect of liquid film thickness on bubble dynamics. Applied Thermal Engineering, 2013, 51, 459-467.	6.0	8
33	Validation of TRACE Code Against ROSA/LSTF Test for SBLOCA of Pressure Vessel Upper-Head Small Break. , 2013, , .		0
34	Experimental Study of Two-Phase Flow Regime and Pressure Drop in a Particulate Bed Packed with Multidiameter Particles. Nuclear Technology, 2012, 177, 107-118.	1.2	9
35	An experimental study on pressure drop and dryout heat flux of two-phase flow in packed beds of multi-sized and irregular particles. Nuclear Engineering and Design, 2012, 242, 369-378.	1.7	28
36	Experimental Study on the Effective Particle Diameter of a Packed Bed with Non-Spherical Particles. Transport in Porous Media, 2011, 89, 35-48.	2.6	81

#	Article	IF	Citations
37	Experimental characterization of the effective particle diameter of a particulate bed packed with multi-diameter spheres. Nuclear Engineering and Design, 2011, 241, 1736-1745.	1.7	38
38	Dynamic characteristics of molten droplets and hot particles falling in liquid pool. Frontiers of Energy and Power Engineering in China, 2010, 4, 246-251.	0.4	0
39	Evaluation of the void fraction in the crescent-shape moderator cell of the CARR-CNS. Physica B: Condensed Matter, 2008, 403, 2036-2042.	2.7	0
40	Experimental investigation on the moving characteristics of molten metal droplets impacting coolant. Experimental Thermal and Fluid Science, 2008, 32, 962-972.	2.7	5
41	Study on void fraction distribution in the moderator cell of Cold Neutron Source systems in China Advanced Research Reactor. Physica B: Condensed Matter, 2007, 393, 336-346.	2.7	3