

Vijayan Pallippattu Krishnan

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

812
citations

759233

12
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental observations on the general trends of the steady state and stability behaviour of single-phase natural circulation loops. Nuclear Engineering and Design, 2002, 215, 139-152.	1.7	210
2	Steady state and stability characteristics of single-phase natural circulation in a rectangular loop with different heater and cooler orientations. Experimental Thermal and Fluid Science, 2007, 31, 925-945.	2.7	141
3	A generalized flow equation for single phase natural circulation loops obeying multiple friction laws. International Journal of Heat and Mass Transfer, 2011, 54, 2618-2629.	4.8	90
4	Steady state flow and static instability of supercritical natural circulation loops. Nuclear Engineering and Design, 2012, 245, 99-112.	1.7	73
5	Steady state and stability characteristics of natural circulation loops operating with carbon dioxide at supercritical pressures for open and closed loop boundary conditions. Nuclear Engineering and Design, 2013, 265, 737-754.	1.7	51
6	Steady state and linear stability analysis of a supercritical water natural circulation loop. Nuclear Engineering and Design, 2010, 240, 588-597.	1.7	49
7	Experimental and theoretical studies on the natural circulation behavior of molten salt loop. Applied Thermal Engineering, 2016, 98, 513-521.	6.0	43
8	Role of thorium in the Indian nuclear power programme. Progress in Nuclear Energy, 2017, 101, 43-52.	2.9	36
9	Natural circulation studies in a lead bismuth eutectic loop. Progress in Nuclear Energy, 2011, 53, 308-319.	2.9	35
10	Natural convective flow and heat transfer studies for supercritical water in a rectangular circulation loop. Nuclear Engineering and Design, 2014, 273, 304-320.	1.7	22
11	Parameters Affecting Efficient Solid Circulation Rate in Draft Tube Spouted Bed. Industrial & Engineering Chemistry Research, 2018, 57, 8605-8611.	3.7	22
12	Natural circulation studies in a LBE loop for a wide range of temperature. Nuclear Engineering and Design, 2016, 300, 358-375.	1.7	12
13	Critical Assessment of Performance of a Draft Tube Configured in a Spouted Bed for Various Fluids—Particle Properties. Industrial & Engineering Chemistry Research, 2019, 58, 19670-19680.	3.7	9
14	SCADOP: Phenomenological modeling of dryout in nuclear fuel rod bundles. Nuclear Engineering and Design, 2015, 293, 127-137.	1.7	8
15	Novel Porous Draft Tube To Manipulate Fluid Throughput from Spout to Annulus in a Spouted Bed. Industrial & Engineering Chemistry Research, 2020, 59, 3229-3237.	3.7	8
16	1-D Model for Mass Transfer Calculation in Vortex Tube using Heat and Mass Transfer Analogy. American Journal of Heat and Mass Transfer, 0, , .	0.0	2
17	Analytical model for performance verification of liquid poison injection system of a nuclear reactor. Nuclear Engineering and Design, 2014, 275, 329-335.	1.7	1
18	Estimation of swirl velocity of gas in Ranque-Hilsch vortex tube using a combined thermal and species separation model. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-17.	2.3	0