

Vijayan Pallippattu Krishnan

List of Publications by Year in descending order

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18
papers

812
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759233

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18
docs citations

18
times ranked

323
citing authors

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