

Gayatri Paul

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

764
citations

11
h-index

23
g-index

23
ext. papers

876
ext. citations

4.8
avg, IF

4.24
L-index

#	Paper	IF	Citations
19	Techniques for measuring the thermal conductivity of nanofluids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2010 , 14, 1913-1924	16.2	234
18	Synthesis, characterization, and thermal property measurement of nano-Al ₉₅ Zn ₀₅ dispersed nanofluid prepared by a two-step process. <i>International Journal of Heat and Mass Transfer</i> , 2011 , 54, 3783-3788 ¹³⁵	4.9	135
17	Thermo-physical property measurement of nano-gold dispersed water based nanofluids prepared by chemical precipitation technique. <i>Journal of Colloid and Interface Science</i> , 2010 , 349, 434-7	9.3	82
16	Nanolubricants dispersed with graphene and its derivatives: an assessment and review of the tribological performance. <i>Nanoscale</i> , 2019 , 11, 3458-3483	7.7	68
15	Concentration and size dependence of nano-silver dispersed water based nanofluids. <i>Journal of Colloid and Interface Science</i> , 2012 , 371, 20-7	9.3	59
14	Tribological behavior of dodecylamine functionalized graphene nanosheets dispersed engine oil nanolubricants. <i>Tribology International</i> , 2019 , 131, 605-619	4.9	38
13	Assessment of the process of boiling heat transfer during rewetting of a vertical tube bottom flooded by alumina nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 94, 390-402	4.9	33
12	Enhanced thermal conductivity of nano-SiC dispersed water based nanofluid. <i>Bulletin of Materials Science</i> , 2012 , 35, 707-712	1.7	28
11	Synthesis, characterization and studies on magneto-viscous properties of magnetite dispersed water based nanofluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 404, 29-39	2.8	26
10	Droplet oscillation and pattern formation during Leidenfrost phenomenon. <i>Experimental Thermal and Fluid Science</i> , 2015 , 60, 346-353	3	14
9	Formation, growth, and eruption cycle of vapor domes beneath a liquid puddle during Leidenfrost phenomena. <i>Applied Physics Letters</i> , 2013 , 103, 084101	3.4	12
8	Rewetting of Vertical Pipes by Bottom Flooding Using Nanofluid as a Coolant. <i>Journal of Heat Transfer</i> , 2015 , 137,	1.8	10
7	Nd:YAG laser micromachining of alumina aluminium interpenetrating phase composite using response surface methodology. <i>International Journal of Machining and Machinability of Materials</i> , 2006 , 1, 432	0.7	8
6	Maneuvering the chain agglomerates of colloidal superparamagnetic nanoparticles by tunable magnetic fields. <i>Applied Physics Letters</i> , 2014 , 105, 183108	3.4	7
5	Nanoparticle deposition from nanofluid droplets during Leidenfrost phenomenon and consequent rise in transition temperature. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 148, 119110	4.9	5
4	Motion, deformation and pearling of ferrofluid droplets due to a tunable moving magnetic field. <i>Soft Matter</i> , 2020 , 16, 1642-1652	3.6	4
3	Thermal Conductivity and Rheological Behaviour of Al-alloy Dispersed Ethylene Glycol Based Nanofluids. <i>Journal of ASTM International</i> , 2012 , 9, 104435		1

- 2 Leidenfrost Phenomenon and Rewetting of Hot Vertical Tubes by Bottom Flooding Using Nanofluids. *Heat Transfer Engineering*, **2021**, 42, 1332-1347 1.7 ○
- 1 Thermal Conductivity and Rheological Behaviour of Al-alloy Dispersed Ethylene Glycol Based Nanofluids **2012**, 104-121