Gayatri Paul

List of Publications by Year in Descending Order

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	Leidenfrost Phenomenon and Rewetting of Hot Vertical Tubes by Bottom Flooding Using Nanofluids. *Heat Transfer Engineering*, **2021**, 42, 1332-1347	1.7	0
18	Motion, deformation and pearling of ferrofluid droplets due to a tunable moving magnetic field. *Soft Matter*, **2020**, 16, 1642-1652	3.6	4
17	Nanoparticle deposition from nanofluid droplets during Leidenfrost phenomenon and consequent rise in transition temperature. *International Journal of Heat and Mass Transfer*, **2020**, 148, 119110	4.9	5
16	Nanolubricants dispersed with graphene and its derivatives: an assessment and review of the tribological performance. *Nanoscale*, **2019**, 11, 3458-3483	7.7	68
15	Tribological behavior of dodecylamine functionalized graphene nanosheets dispersed engine oil nanolubricants. *Tribology International*, **2019**, 131, 605-619	4.9	38
14	Assessment of the process of boiling heat transfer during rewetting of a vertical tube bottom flooded by alumina nanofluid. *International Journal of Heat and Mass Transfer*, **2016**, 94, 390-402	4.9	33
13	Synthesis, characterization and studies on magneto-viscous properties of magnetite dispersed water based nanofluids. *Journal of Magnetism and Magnetic Materials*, **2016**, 404, 29-39	2.8	26
12	Droplet oscillation and pattern formation during Leidenfrost phenomenon. *Experimental Thermal and Fluid Science*, **2015**, 60, 346-353	3	14
11	Rewetting of Vertical Pipes by Bottom Flooding Using Nanofluid as a Coolant. *Journal of Heat Transfer*, **2015**, 137,	1.8	10
10	Maneuvering the chain agglomerates of colloidal superparamagnetic nanoparticles by tunable magnetic fields. *Applied Physics Letters*, **2014**, 105, 183108	3.4	7
9	Formation, growth, and eruption cycle of vapor domes beneath a liquid puddle during Leidenfrost phenomena. *Applied Physics Letters*, **2013**, 103, 084101	3.4	12
8	Concentration and size dependence of nano-silver dispersed water based nanofluids. *Journal of Colloid and Interface Science*, **2012**, 371, 20-7	9.3	59
7	Enhanced thermal conductivity of nano-SiC dispersed water based nanofluid. *Bulletin of Materials Science*, **2012**, 35, 707-712	1.7	28
6	Thermal Conductivity and Rheological Behaviour of Al-alloy Dispersed Ethylene Glycol Based Nanofluids. *Journal of ASTM International*, **2012**, 9, 104435		1
5	Thermal Conductivity and Rheological Behaviour of Al-alloy Dispersed Ethylene Glycol Based Nanofluids **2012**, 104-121		
4	Synthesis, characterization, and thermal property measurement of nano-Al95Zn05 dispersed nanofluid prepared by a two-step process. *International Journal of Heat and Mass Transfer*, **2011**, 54, 3783-3788	4.9	135
3	Techniques for measuring the thermal conductivity of nanofluids: A review. *Renewable and Sustainable Energy Reviews*, **2010**, 14, 1913-1924	16.2	234

2	Thermo-physical property measurement of nano-gold dispersed water based nanofluids prepared by chemical precipitation technique. *Journal of Colloid and Interface Science*, **2010**, 349, 434-7	9.3	82
1	Nd:YAG laser micromachining of alumina aluminium interpenetrating phase composite using response surface methodology. *International Journal of Machining and Machinability of Materials*, **2006**, 1, 432	0.7	8