Prem Gunnasegaran

List of Publications by Year in Descending Order

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Version: 2024-04-26

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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.

23 papers	859 citations	11 h-index	24 g-index
24 ext. papers	1,033 ext. citations	3.3 avg, IF	4.47 L-index

#	Paper	IF	Citations
23	Recent Advances on Thermally Conductive Adhesive in Electronic Packaging: A Review. *Polymers*, **2021**, 13,	4.5	6
22	Preliminary study to determine the maximum settling velocity and model parameter of Cu nanoparticle by settling method. *IOP Conference Series: Materials Science and Engineering*, **2020**, 785, 012026	0.4	
21	Thermophysical properties of Al2O3-CuO hybrid nanofluid at different nanoparticle mixture ratio: An experimental approach. *Journal of Molecular Liquids*, **2020**, 313, 113458	6	20
20	A new method of acquiring perquisites of recirculation and vortex flow in sudden expansion solar water collector using vortex generator to augment heat transfer. *International Journal of Thermal Sciences*, **2020**, 153, 106346	4.1	3
19	Numerical and experimental investigations of hybrid nanofluids on pulsating heat pipe performance. *International Journal of Heat and Mass Transfer*, **2020**, 146, 118887	4.9	39
18	A new method of enhancing heat transfer in sudden expansion channel using vortex generators with toe-out and toe-in configurations by acquiring perquisites of recirculation and secondary vortex flow. *Journal of Mechanical Science and Technology*, **2019**, 33, 3913-3925	1.6	3
17	Heat Transfer in a Loop Heat Pipe using Diamond-H2O Nanofluid. *Heat Transfer Engineering*, **2018**, 39, 1117-1131	1.7	9
16	Heat transfer enhancement with nanofluids: A review of recent applications and experiments. *International Journal of Heat and Technology*, **2018**, 36, 1350-1361	2.2	3
15	Influence of the oblique fin arrangement on the fluid flow and thermal performance of liquid cold plate. *Case Studies in Thermal Engineering*, **2018**, 12, 717-727	5.6	20
14	Heat Transfer in a Loop Heat Pipe Using Fe2NiO4-H2O Nanofluid. *MATEC Web of Conferences*, **2017**, 109, 05001	0.3	2
13	Intelligent monitoring system of unburned carbon of fly ash for coal fired power plant boiler. *MATEC Web of Conferences*, **2017**, 131, 02003	0.3	0
12	Development and implementation of Intelligent Soot Blowing Optimization System for TNB Janamanjung. *MATEC Web of Conferences*, **2017**, 131, 01006	0.3	
11	Influence of low concentration of diamond water nanofluid in loop heat pipe. *International Journal of Heat and Technology*, **2017**, 35, 539-548	2.2	5
10	Optimization of SiO2 nanoparticle mass concentration and heat input on a loop heat pipe. *Case Studies in Thermal Engineering*, **2015**, 6, 238-250	5.6	15
9	Experimental Analysis and FEM Simulation of Novel Finned Loop Heat Pipe. *Advanced Materials Research*, **2014**, 925, 481-485	0.5	1
8	Influence of nanofluid on heat transfer in a loop heat pipe. *International Communications in Heat and Mass Transfer*, **2013**, 47, 82-91	5.8	33
7	Influence of Various Nanofluid Types on Wavy Microchannels Heat Sink Cooling Performance. *Applied Mechanics and Materials*, **2013**, 420, 118-122	0.3	2

6	Numerical simulation of heat transfer enhancement in wavy microchannel heat sink. *International Communications in Heat and Mass Transfer*, **2011**, 38, 63-68	5.8	189
5	Influence of various base nanofluids and substrate materials on heat transfer in trapezoidal microchannel heat sinks. *International Communications in Heat and Mass Transfer*, **2011**, 38, 194-201	5.8	60
4	Influence of channel shape on the thermal and hydraulic performance of microchannel heat sink. *International Communications in Heat and Mass Transfer*, **2011**, 38, 474-480	5.8	113
3	The impact of various nanofluid types on triangular microchannels heat sink cooling performance. *International Communications in Heat and Mass Transfer*, **2011**, 38, 767-773	5.8	72
2	Heat transfer in rectangular microchannels heat sink using nanofluids. *International Communications in Heat and Mass Transfer*, **2010**, 37, 1496-1503	5.8	97
1	The effect of geometrical parameters on heat transfer characteristics of microchannels heat sink with different shapes. *International Communications in Heat and Mass Transfer*, **2010**, 37, 1078-1086	5.8	167